```
MACCS2 11/13/2012 11:45:58   Version 3.7.0.0   : 11/9/12    114558.093
P1:  ATMOS USER INPUT (UNIT 24) = C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\Late 30-mile evac\2.4 HighDensity\Input\Atmos2.inp
P2:  EARLY USER INPUT (UNIT 25) = C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\Late 30-mile evac\2.4 HighDensity\Input\Early2.inp
P3: CHRONC USER INPUT (UNIT 26) = C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\Late 30-mile evac\2.4 HighDensity\Input\Chronc2.inp
P4:  METEOROLOGY DATA (UNIT 28) = C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\Late 30-mile evac\2.4 HighDensity\Data\PB MACCS2 2006 Met Data 64WD.inp
P5:   SITE DATA INPUT (UNIT 29) = C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\Late 30-mile evac\2.4 HighDensity\Input\Sumpop_site.inp
P6:       LIST OUTPUT (UNIT 06) = C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\Late 30-mile evac\2.4 HighDensity\Output\Model2.out



USER INPUT IS READ FROM UNIT 24
RECORD IDENTIFIER FIELDS  11 CHARACTERS LONG ARE EXPECTED.
THE FIRST 499 COLUMNS OF EACH INPUT RECORD ARE PROCESSED.

RECORD
NUMBER                              RECORD

     * File created using WinMACCS version 3.7.0 11/13/2012 11:00:22 AM
     *
     * MACCS2 Cyclical File: C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\Late 30-mile evac\2.4 HighDensity\Data\T620mrem.txt
     *
     * Peach Bottom Revision 7 for Spent Fuel Pool Scoping Study
     *
     * The initial WinMACCS file for the seismic runs was created May 12, 2009 using the Jan 21 2009 file for the PB STSBO.
     *
     * Identifies this MACCS calculation
  1  RIATNAM1001      'OCP2 high density no spray'
     *
     * NUMRAD, Number of Radial Spatial Elements
  2  GENUMRAD001      26
     *
     * SPAEND, Spatial Endpoint Distances (km)
  3  GESPAEND001      0.16
  4  GESPAEND002      0.52
  5  GESPAEND003      1.21
  6  GESPAEND004      1.61
  7  GESPAEND005      2.13
  8  GESPAEND006      3.22
  9  GESPAEND007      4.02
 10  GESPAEND008      4.83
 11  GESPAEND009      5.63
 12  GESPAEND010      8.05
 13  GESPAEND011      11.27
 14  GESPAEND012      16.09
 15  GESPAEND013      20.92
 16  GESPAEND014      25.75
 17  GESPAEND015      32.19
 18  GESPAEND016      40.23
 19  GESPAEND017      48.28
 20  GESPAEND018      64.37
 21  GESPAEND019      80.47
 22  GESPAEND020      112.65
 23  GESPAEND021      160.93
 24  GESPAEND022      241.14
 25  GESPAEND023      321.87
 26  GESPAEND024      563.27
 27  GESPAEND025      804.67
 28  GESPAEND026      1609.34
     *
     * Form 'Site File' Comment:
     * Updated to 2011 using Census Bureau data and CPI data.
     *
     * NUMCOR, Number of angular compass directions
 29  GENUMCOR001      64
     *
     * Form 'Radionuclides' Comment:
     * From ORIGEN, and updated to correct for isotope-by-isotope release fractions (which cannot be done in the chemical group release fractions).
     *
     * NUMISO, Number of Nuclides
 30  ISNUMISO001      69
     *
     * Form 'Chemical Names' Comment:
     * Group names are imported from MELMACCS.
     *
     * MAXGRP, Number of Element Groups
 31  ISMAXGRP001      9
     *
     * Form 'Wet/Dry Depos Flags' Comment:
     * No change
     *
     * WETDEP, DRYDEP, Wet and Dry Deposition Flags for Each Nuclide Group
 32  ISDEPFLA001      .FALSE. .FALSE.
 33  ISDEPFLA002      .TRUE.  .TRUE.
 34  ISDEPFLA003      .TRUE.  .TRUE.
 35  ISDEPFLA004      .TRUE.  .TRUE.
 36  ISDEPFLA005      .TRUE.  .TRUE.
 37  ISDEPFLA006      .TRUE.  .TRUE.
 38  ISDEPFLA007      .TRUE.  .TRUE.
 39  ISDEPFLA008      .TRUE.  .TRUE.
 40  ISDEPFLA009      .TRUE.  .TRUE.
     *
     * NUMSTB_ZERO = 0
 41  ISNUMSTB001      0
     *
     * Form 'Pseudostable Radionuclides' Comment:
     * Come in thru MELMACCS.
     *
     * NUMSTB, Number of Pseudostable Radionuclides
 42  ISNUMSTB001      16
********   RECORD NUMBER    42 REPLACES RECORD NUMBER    41   ********
     *
     * NAMSTB, List of Pseudostable Radionuclides
 43  ISNAMSTB001      I-129
 44  ISNAMSTB002      Xe-131m
 45  ISNAMSTB003      Xe-133m
 46  ISNAMSTB004      Cs-135
 47  ISNAMSTB005      Sm-147
 48  ISNAMSTB006      U-234
 49  ISNAMSTB007      U-235
 50  ISNAMSTB008      U-236
 51  ISNAMSTB009      U-237
 52  ISNAMSTB010      Np-237
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53  ISNAMSTB011      Rb-87
54  ISNAMSTB012      Zr-93
55  ISNAMSTB013      Nb-93m
56  ISNAMSTB014      Nb-95m
57  ISNAMSTB015      Tc-99
58  ISNAMSTB016      Pm-147
    *
    * NUCNAM, IGROUP, Chemical group associated with each nuclide
59  ISOTPGRP001      Kr-85   1
60  ISOTPGRP002      Kr-85m  1
61  ISOTPGRP003      Kr-87   1
62  ISOTPGRP004      Kr-88   1
63  ISOTPGRP005      Xe-133  1
64  ISOTPGRP006      Xe-135  1
65  ISOTPGRP007      Xe-135m 1
66  ISOTPGRP008      Cs-134  2
67  ISOTPGRP009      Cs-136  2
68  ISOTPGRP010      Cs-137  2
69  ISOTPGRP011      Rb-86   2
70  ISOTPGRP012      Rb-88   2
71  ISOTPGRP013      Ba-139  3
72  ISOTPGRP014      Ba-140  3
73  ISOTPGRP015      Sr-89   3
74  ISOTPGRP016      Sr-90   3
75  ISOTPGRP017      Sr-91   3
76  ISOTPGRP018      Sr-92   3
77  ISOTPGRP019      Ba-137m 3
78  ISOTPGRP020      I-131   4
79  ISOTPGRP021      I-132   4
80  ISOTPGRP022      I-133   4
81  ISOTPGRP023      I-134   4
82  ISOTPGRP024      I-135   4
83  ISOTPGRP025      Te-127  5
84  ISOTPGRP026      Te-127m 5
85  ISOTPGRP027      Te-129  5
86  ISOTPGRP028      Te-129m 5
87  ISOTPGRP029      Te-131m 5
88  ISOTPGRP030      Te-132  5
89  ISOTPGRP031      Te-131  5
90  ISOTPGRP032      Rh-105  6
91  ISOTPGRP033 Ru-103  6
92  ISOTPGRP034      Ru-105  6
93  ISOTPGRP035      Ru-106  6
94  ISOTPGRP036      Rh-103m 6
95  ISOTPGRP037      Rh-106  6
96  ISOTPGRP038      Nb-95   7
97  ISOTPGRP039      Co-58   7
98  ISOTPGRP040      Co-60   7
99  ISOTPGRP041      Mo-99   7
100 ISOTPGRP042      Tc-99m  7
101 ISOTPGRP043      Nb-97   7
102 ISOTPGRP044      Nb-97m  7
103 ISOTPGRP045      Ce-141  8
104 ISOTPGRP046      Ce-143  8
105 ISOTPGRP047      Ce-144  8
106 ISOTPGRP048      Np-239  8
107 ISOTPGRP049      Pu-238  8
108 ISOTPGRP050      Pu-239  8
109 ISOTPGRP051      Pu-240  8
110 ISOTPGRP052      Pu-241  8
111 ISOTPGRP053      Zr-95   8
112 ISOTPGRP054      Zr-97   8
113 ISOTPGRP055      Am-241  9
114 ISOTPGRP056      Cm-242  9
115 ISOTPGRP057      Cm-244  9
116 ISOTPGRP058      La-140  9
117 ISOTPGRP059      La-141  9
118 ISOTPGRP060      La-142  9
119 ISOTPGRP061      Nd-147  9
120 ISOTPGRP062      Pr-143  9
121 ISOTPGRP063      Y-90    9
122 ISOTPGRP064      Y-91    9
123 ISOTPGRP065      Y-92    9
124 ISOTPGRP066      Y-93    9
125 ISOTPGRP067      Y-91m   9
126 ISOTPGRP068      Pr-144  9
127 ISOTPGRP069      Pr-144m 9
    *
    * Form 'Wet Deposition' Comment:
    * Values from Nate et al's report, table 7, page 64 (April 2007).  Derived  assuming 1 micrometer particles.  Do not change.
    *
    * CWASH1, Washout Coefficient Number One, Linear Factor
128 WDCWASH1001      1.89E-05
    *
    * CWASH2, Washout Coefficient Number Two, Exponential Factor
129 WDCWASH2001      .664
    *
    * Form 'Dry Deposition' Comment:
    * Value Given by Nate.  MELMACCS cannot currently calculate a DDV based on a surface roughness greater than 20 cm
    *
    * NPSGRP, Number of Particle Size Groups
130 DDNPSGRP001      10
    *
    * VDEPOS, Dry Deposition Velocities for Each Particle Size Group (m/sec)
131 DDVDEPOS001      0.0011
132 DDVDEPOS002      0.001
133 DDVDEPOS003      0.0014
134 DDVDEPOS004      0.0023
135 DDVDEPOS005      0.0045
136 DDVDEPOS006      0.0092
137 DDVDEPOS007      0.0177
138 DDVDEPOS008      0.0291
139 DDVDEPOS009      0.0367
140 DDVDEPOS010      0.0367
    *
    * Form 'Dispersion Function' Comment:
    * From Nate's draft report (April 2007).
    *
    * CYSIGA, Dispersion function parameter
141 DPCYSIGA001      .7507
142 DPCYSIGA002      .7507
143 DPCYSIGA003      .4063
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144  DPCYSIGA004      .2779
145  DPCYSIGA005      .2158
146  DPCYSIGA006      .2158
     *
     * CYSIGB, Dispersion function parameter
147  DPCYSIGB001      .866
148  DPCYSIGB002      .866
149  DPCYSIGB003      .865
150  DPCYSIGB004      .881
151  DPCYSIGB005      .866
152  DPCYSIGB006      .866
     *
     * CZSIGA, Dispersion function parameter
153  DPCZSIGA001      .0361
154  DPCZSIGA002      .0361
155  DPCZSIGA003      .2036
156  DPCZSIGA004      .2636
157  DPCZSIGA005      .2463
158  DPCZSIGA006      .2463
     *
     * CZSIGB, Dispersion function parameter
159  DPCZSIGB001      1.277
160  DPCZSIGB002      1.277
161  DPCZSIGB003      .859
162  DPCZSIGB004      .751
163  DPCZSIGB005      .619
164  DPCZSIGB006      .619
     *
     * Form 'Scaling Factors' Comment:
     * ZSCALE correspond to a surface roughness of 60 cm.  The formula for calculating it is in the NUREG/CR-4691.
     *
     * YSCALE, linear scaling factor for sigma-y
165  DPYSCALE001      1.
     *
     * ZSCALE, linear scaling factor for sigma-z
166  DPZSCALE001      1.82
     *
     * DISPMD - dispersion long-range model
167  DPDISPMD001      LRDIST
     *
     * MNDMOD, plume meander model
168  PMMNDMOD001      NEW
     *
     * WINSP1, wind speed where the meander factor changes from constant to decreasing
169  PMWINSP1001      2.
     *
     * WINSP2, wind speed where the meander factor reaches one
170  PMWINSP2001      6.
     *
     * MNDIST, distance, for use in 1.145
171  PMMNDIST001      800.
     *
     * MNDFAC, plume meander stability class factors, for use in 1.145
172  PMMNDFAC001      1.
173  PMMNDFAC002      1.
174  PMMNDFAC003      1.
175  PMMNDFAC004      2.
176  PMMNDFAC005      3.
177  PMMNDFAC006      4.
     *
     * Form 'Plume Rise Scale Factor' Comment:
     * Using standard modeling options.
     *
     * SCLCRW, scaling factor for entrainment of buoyant plume
178  PRSCLCRW001      1.
     *
     * SCLADP, scaling factor for the a–d stability plume rise formula
179  PRSCLADP001      1.
     *
     * SCLEFP, scaling factor for the e–f stability plume rise formula
180  PRSCLEFP001      1.
     *
     * Form 'Wake Effect Data' Comment:
     * Data for Peach Bottom from NUREG-1150.
     *
     * BUILDH, building height (meters)
181  WEBUILDH001      50.
182  WEBUILDH002      50.
183  WEBUILDH003      50.
184  WEBUILDH004      50.
185  WEBUILDH005      50.
186  WEBUILDH006      50.
187  WEBUILDH007      50.
188  WEBUILDH008      50.
189  WEBUILDH009      50.
190  WEBUILDH010      50.
191  WEBUILDH011      50.
192  WEBUILDH012      50.
193  WEBUILDH013      50.
194  WEBUILDH014      50.
195  WEBUILDH015      50.
196  WEBUILDH016      50.
197  WEBUILDH017      50.
198  WEBUILDH018      50.
199  WEBUILDH019      50.
200  WEBUILDH020      50.
201  WEBUILDH021      50.
202  WEBUILDH022      50.
203  WEBUILDH023      50.
     *
     * SIGYINIT, initial value of sigma-y for each of the plumes (meters)
204  SIGYINIT001      11.6
205  SIGYINIT002      11.6
206  SIGYINIT003      11.6
207  SIGYINIT004      11.6
208  SIGYINIT005      11.6
209  SIGYINIT006      11.6
210  SIGYINIT007      11.6
211  SIGYINIT008      11.6
212  SIGYINIT009      11.6
213  SIGYINIT010      11.6
214  SIGYINIT011      11.6
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215  SIGYINIT012      11.6
216  SIGYINIT013      11.6
217  SIGYINIT014      11.6
218  SIGYINIT015      11.6
219  SIGYINIT016      11.6
220  SIGYINIT017      11.6
221  SIGYINIT018      11.6
222  SIGYINIT019      11.6
223  SIGYINIT020      11.6
224  SIGYINIT021      11.6
225  SIGYINIT022      11.6
226  SIGYINIT023      11.6
     *
     * SIGZINIT, initial value of sigma-z for each of the plumes (meters)
227  SIGZINIT001      23.3
228  SIGZINIT002      23.3
229  SIGZINIT003      23.3
230  SIGZINIT004      23.3
231  SIGZINIT005      23.3
232  SIGZINIT006      23.3
233  SIGZINIT007      23.3
234  SIGZINIT008      23.3
235  SIGZINIT009      23.3
236  SIGZINIT010      23.3
237  SIGZINIT011      23.3
238  SIGZINIT012      23.3
239  SIGZINIT013      23.3
240  SIGZINIT014      23.3
241  SIGZINIT015      23.3
242  SIGZINIT016      23.3
243  SIGZINIT017      23.3
244  SIGZINIT018      23.3
245  SIGZINIT019      23.3
246  SIGZINIT020      23.3
247  SIGZINIT021      23.3
248  SIGZINIT022      23.3
249  SIGZINIT023      23.3
     *
     * ATNAM2, specific descriptive text describing this particular source term
250  RDATNAM2001      'OCP2 high density no spray'
     *
     * OALARM, time after accident initiation that off-site alarm is initiated (sec)
251  RDOALARM001      0.
     *
     * Form 'Plume Parameters' Comment:
     * These values come from MELCOR PTF file.  Plume discretization is done by user.
     *
     * NUMREL, number of plumes
252  RDNUMREL001      23
     *
     * MAXRIS, selection of risk-dominant plume segment
253  RDMAXRIS001      4
     *
     * REFTIM, representative time point for dispersion and radioactive decay
254  RDREFTIM001      0.
255  RDREFTIM002      0.5
256  RDREFTIM003      0.5
257  RDREFTIM004      0.5
258  RDREFTIM005      0.5
259  RDREFTIM006      0.5
260  RDREFTIM007      0.5
261  RDREFTIM008      0.5
262  RDREFTIM009      0.5
263  RDREFTIM010      0.5
264  RDREFTIM011      0.5
265  RDREFTIM012      0.5
266  RDREFTIM013      0.5
267  RDREFTIM014      0.5
268  RDREFTIM015      0.5
269  RDREFTIM016      0.5
270  RDREFTIM017      0.5
271  RDREFTIM018      0.5
272  RDREFTIM019      0.5
273  RDREFTIM020      0.5
274  RDREFTIM021      0.5
275  RDREFTIM022      0.5
276  RDREFTIM023      0.5
     *
     * PLM_DEN, plume rise model density
277  RDPLMMOD001      DENSITY
     *
     * Form 'Density and Flow' Comment:
     * Come in thru MELMACCS.
     *
     * PLMFLO, Heat by Density
278  RDPLMFLA001      0.27188
279  RDPLMFLA002      0.32376
280  RDPLMFLA003      0.30704
281  RDPLMFLA004      0.29205
282  RDPLMFLA005      0.29197
283  RDPLMFLA006      0.29377
284  RDPLMFLA007      0.29523
285  RDPLMFLA008      0.29782
286  RDPLMFLA009      41.03
287  RDPLMFLA010      81.322
288  RDPLMFLA011      81.702
289  RDPLMFLA012      83.183
290  RDPLMFLA013      86.771
291  RDPLMFLA014      93.08
292  RDPLMFLA015      97.577
293  RDPLMFLA016      98.784
294  RDPLMFLA017      95.464
295  RDPLMFLA018      87.492
296  RDPLMFLA019      81.41
297  RDPLMFLA020      79.662
298  RDPLMFLA021      79.696
299  RDPLMFLA022      79.519
300  RDPLMFLA023      78.849
     *
     * PLMDEN, Heat by Density
301  RDPLMDEN001      0.90356
302  RDPLMDEN002      0.8593
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303  RDPLMDEN003      0.80129
304  RDPLMDEN004      0.77247
305  RDPLMDEN005      0.7515
306  RDPLMDEN006      0.73326
307  RDPLMDEN007      0.71467
308  RDPLMDEN008      0.69113
309  RDPLMDEN009      0.81553
310  RDPLMDEN010      0.96545
311  RDPLMDEN011      0.97487
312  RDPLMDEN012      0.96784
313  RDPLMDEN013      0.95095
314  RDPLMDEN014      0.9177
315  RDPLMDEN015      0.8897
316  RDPLMDEN016      0.88402
317  RDPLMDEN017      0.89236
318  RDPLMDEN018      0.93132
319  RDPLMDEN019      0.97385
320  RDPLMDEN020      0.98529
321  RDPLMDEN021      0.98507
322  RDPLMDEN022      0.98538
323  RDPLMDEN023      0.98849
     *
     * BRGSMD, Briggs plume rise model
324  RDBRGSMD001      IMPROVED
     *
     * PLHITE, height of each plume segment at release (meters)
325  RDPLHITE001      50.
326  RDPLHITE002      50.
327  RDPLHITE003      50.
328  RDPLHITE004      50.
329  RDPLHITE005      50.
330  RDPLHITE006      50.
331  RDPLHITE007      50.
332  RDPLHITE008      50.
333  RDPLHITE009      50.
334  RDPLHITE010      50.
335  RDPLHITE011      50.
336  RDPLHITE012      50.
337  RDPLHITE013      50.
338  RDPLHITE014      50.
339  RDPLHITE015      50.
340  RDPLHITE016      50.
341  RDPLHITE017      50.
342  RDPLHITE018      50.
343  RDPLHITE019      50.
344  RDPLHITE020      50.
345  RDPLHITE021    50.
346  RDPLHITE022      50.
347  RDPLHITE023      50.
     *
     * PLUDUR, duration of each plume segment (sec)
348  RDPLUDUR001      1680.
349  RDPLUDUR002      1800.
350  RDPLUDUR003      1800.
351  RDPLUDUR004      1800.
352  RDPLUDUR005      1800.
353  RDPLUDUR006      1800.
354  RDPLUDUR007      1800.
355  RDPLUDUR008      1800.
356  RDPLUDUR009      1800.
357  RDPLUDUR010      1800.
358  RDPLUDUR011      1800.
359  RDPLUDUR012      1800.
360  RDPLUDUR013      1800.
361  RDPLUDUR014      1800.
362  RDPLUDUR015      1800.
363  RDPLUDUR016      1800.
364  RDPLUDUR017      1800.
365  RDPLUDUR018      1800.
366  RDPLUDUR019      1800.
367  RDPLUDUR020      1800.
368  RDPLUDUR021      1800.
369  RDPLUDUR022      1800.
370  RDPLUDUR023      1800.
     *
     * PDELAY, time of release for each plume from xxxx (sec)
371  RDPDELAY001      2.17920E+05
372  RDPDELAY002      2.19600E+05
373  RDPDELAY003      2.21400E+05
374  RDPDELAY004      2.23200E+05
375  RDPDELAY005      2.25000E+05
376  RDPDELAY006      2.26800E+05
377  RDPDELAY007      2.28600E+05
378  RDPDELAY008      2.30400E+05
379  RDPDELAY009      2.32200E+05
380  RDPDELAY010      2.34000E+05
381  RDPDELAY011      2.35800E+05
382  RDPDELAY012      2.37600E+05
383  RDPDELAY013      2.39400E+05
384  RDPDELAY014      2.41200E+05
385  RDPDELAY015      2.43000E+05
386  RDPDELAY016      2.44800E+05
387  RDPDELAY017      2.46600E+05
388  RDPDELAY018      2.48400E+05
389  RDPDELAY019      2.50200E+05
390  RDPDELAY020      2.52000E+05
391  RDPDELAY021      2.53800E+05
392  RDPDELAY022      2.55600E+05
393  RDPDELAY023      2.57400E+05
     *
     * Form 'Particle Size Distribution' Comment:
     * Particle size distribution from MELMACCS.
     *
     * PSDIST, particle size distribution of each element group
394  RDPSDIST001      1.E-01  1.E-01  1.E-01  1.E-01  1.E-01  1.E-01  1.E-01  1.E-01  1.E-01  1.E-01
395  RDPSDIST002      1.3599E-02      5.8326E-02      1.6606E-01      2.3357E-01      1.6198E-01      1.1414E-01      5.3087E-02      1.8889E-02      6.5087E-03      1.7385E-01
396  RDPSDIST003      1.0132E-02      3.0014E-02      9.2986E-02      2.7462E-01      3.142E-01       1.6315E-01      6.3065E-02      1.7253E-02      1.9524E-03      3.2623E-02
397  RDPSDIST004      1.3563E-02      5.8102E-02      1.6783E-01      2.3604E-01      1.627E-01       1.1173E-01      5.0762E-02      1.8119E-02      6.212E-03       1.7494E-01
398  RDPSDIST005      1.3685E-02      5.8285E-02      1.6607E-01      2.3157E-01      1.6263E-01      1.1322E-01      5.1485E-02      1.8097E-02      6.051E-03       1.7891E-01
399  RDPSDIST006      1.4016E-02      6.4709E-02      1.711E-01       1.7527E-01      1.2046E-01      1.123E-01       4.9917E-02      1.7189E-02      6.2534E-03      2.6879E-01
400  RDPSDIST007      1.4001E-02      6.1571E-02      1.7436E-01      2.2888E-01      1.4452E-01      1.0861E-01      5.2042E-02      1.9107E-02      7.0458E-03      1.8986E-01
401  RDPSDIST008      1.416E-02       6.0857E-02      1.7567E-01      2.3745E-01      1.4948E-01      1.1088E-01      5.5246E-02      2.1307E-02      8.0647E-03      1.6689E-01
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402 RDPSDIST009     1.411E-02     6.0577E-02     1.7568E-01     2.3915E-01     1.504E-01     1.1109E-01     5.5637E-02     2.1553E-02     8.1833E-03     1.6362E-01
    *
    * CORINV, inventory of each radionuclide present in the facility at the time of accident initiation (becquerels)
403 RDCORINV001     Kr-85  1.11E+17
404 RDCORINV002     Kr-85m  2.1E-04
405 RDCORINV003     Kr-87  0.
406 RDCORINV004     Kr-88  3.39E-16
407 RDCORINV005     Xe-133  5.59E+17
408 RDCORINV006     Xe-135  3.1E+08
409 RDCORINV007     Xe-135m 1590.
410 RDCORINV008     Cs-134  8.31E+17
411 RDCORINV009     Cs-136  7.37E+16
412 RDCORINV010     Cs-137  2.13E+18
413 RDCORINV011     Rb-86  2.83E+15
414 RDCORINV012     Rb-88  0.
415 RDCORINV013     Ba-139  0.
416 RDCORINV014     Ba-140  1.01E+18
417 RDCORINV015     Sr-89  7.93E+17
418 RDCORINV016     Sr-90  1.53E+18
419 RDCORINV017     Sr-91  1.43E+08
420 RDCORINV018     Sr-92  1.62E-17
421 RDCORINV019     Ba-137m 2.07E+18
422 RDCORINV020     I-131  4.14E+17
423 RDCORINV021     I-132  1.1E+17
424 RDCORINV022     I-133  7.07E+13
425 RDCORINV023     I-134  0.
426 RDCORINV024     I-135  9230.
427 RDCORINV025     Te-127  2.99E+16
428 RDCORINV026     Te-127m 1.96E+16
429 RDCORINV027     Te-129  3.3E+16
430 RDCORINV028     Te-129m 5.15E+16
431 RDCORINV029     Te-131m 1.74E+14
432 RDCORINV030     Te-132  1.07E+17
433 RDCORINV031     Te-131  3.93E+13
434 RDCORINV032     Rh-105  3.76E+15
435 RDCORINV033     Ru-103  1.78E+18
436 RDCORINV034     Ru-105  8.28E-04
437 RDCORINV035     Ru-106  1.17E+18
438 RDCORINV036     Rh-103m 1.78E+18
439 RDCORINV037     Rh-106  1.17E+18
440 RDCORINV038     Nb-95  1.88E+18
441 RDCORINV039     Co-58  2.6E+14
442 RDCORINV040     Co-60  2.5E+15
443 RDCORINV041     Mo-99  8.18E+16
444 RDCORINV042     Tc-99m  7.93E+16
445 RDCORINV043     Nb-97  5.02E+12
446 RDCORINV044     Nb-97m  4.75E+12
447 RDCORINV045     Ce-141  1.62E+18
448 RDCORINV046     Ce-143  2.64E+15
449 RDCORINV047     Ce-144  1.91E+18
450 RDCORINV048     Np-239  6.19E+17
451 RDCORINV049     Pu-238  5.44E+16
452 RDCORINV050     Pu-239  4.26E+15
453 RDCORINV051     Pu-240  8.75E+15
454 RDCORINV052     Pu-241  1.24E+18
455 RDCORINV053     Zr-95  1.81E+18
456 RDCORINV054     Zr-97  5.51E+12
457 RDCORINV055     Am-241  2.22E+16
458 RDCORINV056     Cm-242  1.42E+17
459 RDCORINV057     Cm-244  5.4E+16
460 RDCORINV058     La-140  1.28E+18
461 RDCORINV059     La-141  1.64E-06
462 RDCORINV060     La-142  0.
463 RDCORINV061     Nd-147  3.79E+17
464 RDCORINV062     Pr-143  1.08E+18
465 RDCORINV063     Y-90  1.13E+18
466 RDCORINV064     Y-91  1.22E+18
467 RDCORINV065     Y-92  1.18E-08
468 RDCORINV066     Y-93  7.56E+08
469 RDCORINV067     Y-91m  9.89E+07
470 RDCORINV068     Pr-144  1.9E+18
471 RDCORINV069     Pr-144m 2.65E+16
    *
    * Form 'Inventory Scale Factor' Comment:
    * Set by MELMACCS.
    *
    * CORSCA, scaling factor to adjust the core inventory
472 RDCORSCA001     1.0
    *
    * APLFRC, Specifies how release fractions are applied to daughter ingrowth products
473 RDAPLFRC001     PARENT
    *
    * GRPNAM, user assigned name of each chemical group.  May have been imported from MelMACCS
    *ISGRPNAM001     Xe
    *ISGRPNAM002     Cs
    *ISGRPNAM003     Ba
    *ISGRPNAM004     I
    *ISGRPNAM005     Te
    *ISGRPNAM006     Ru
    *ISGRPNAM007     Mo
    *ISGRPNAM008     Ce
    *ISGRPNAM009     La
    *
    * Form 'Release Fractions' Comment:
    * These values come from MELCOR PTF file.  Plume discretization is done by user.  MACCS2 Radionuclide Inventory will account for the correct release magnitude on a isotope-by-isotope basis .
    *
    * RELFRC, release fractions for each of the plume segments for each chemical group
474 RDRELFRC001     3.8429E-04     4.2578E-04     1.4551E-04     0.0017891     0.0017367     3.6179E-09     3.9074E-07     2.0475E-13     2.062E-13
475 RDRELFRC002     0.0012397     5.5631E-04     1.9083E-04     0.0022032     0.002249     7.909E-09     8.5256E-07     1.6143E-12     1.6257E-12
476 RDRELFRC003     5.617E-04     5.4315E-04     1.8643E-04     0.0020884     0.0021869     1.7592E-08     1.8949E-06     4.6588E-12     4.6916E-12
477 RDRELFRC004     4.1395E-04     0.002257     4.3499E-04     0.0011371     0.0011932     1.9925E-08     2.1448E-06     4.9835E-12     5.0183E-12
478 RDRELFRC005     2.0986E-04     7.5587E-04     1.9681E-04     0.0014154     0.0014987     2.7654E-08     2.9672E-06     1.0403E-11     1.0473E-11
479 RDRELFRC006     0.0029978     0.0024485     8.7176E-04     0.0097373     0.010014     4.197E-08     5.4408E-06     3.2842E-11     3.3061E-11
480 RDRELFRC007     6.4557E-04     0.0029283     5.7109E-04     6.65E-04     6.935E-04     8.7494E-08     1.804E-05     4.0218E-11     4.0484E-11
481 RDRELFRC008     6.0946E-04     4.2857E-04     1.424E-04     9.805E-04     0.0010136     9.2249E-08     3.2921E-05     1.3202E-11     1.3271E-11
482 RDRELFRC009     0.046427     0.0090258     0.0012002     0.015653     0.015762     3.6089E-06     0.0023758     3.1528E-10     3.1721E-10
483 RDRELFRC010     0.0064426     0.0029527     5.309E-05     0.004177     0.0042203     1.2063E-06     0.0014919     2.1073E-10     2.1193E-10
484 RDRELFRC011 0.0095668     0.0042655     1.01E-05     0.0071827     0.0072379     3.3985E-06     0.0027777     3.9287E-10     3.9533E-10
485 RDRELFRC012     0.010069     0.010313     6.4285E-04     0.0074646     0.0074999     8.8464E-06     0.0027778     4.232E-10     4.2588E-10
486 RDRELFRC013     0.016457     0.019887     0.0021743     0.011401     0.011381     1.5232E-05     0.0033213     5.6646E-10     5.69E-10
487 RDRELFRC014     0.011812     0.0094943     6.239E-05     0.0087849     0.0087942     1.6823E-05     0.0030048     6.1233E-10     6.1345E-10
488 RDRELFRC015     0.015025     0.011563     1.503E-05     0.01103 0.01106 2.7062E-05     0.0038511     8.2942E-10     8.3239E-10
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489  RDRELFRC016     0.02118 0.014657       1.71E-05       0.016614       0.016284       5.6656E-05      0.0061061       1.2069E-09      1.2119E-09
490  RDRELFRC017     0.017985       0.018091       1.987E-05       0.014324       0.017629       7.4723E-05      0.0067655       8.642E-10       8.5281E-10
491  RDRELFRC018     0.026636       0.018641       9.219E-05       0.019722       0.018821       7.642E-05       0.005605        1.3547E-09      1.3105E-09
492  RDRELFRC019     0.024186       0.015864       1.5698E-04      0.01391 0.013591       5.5957E-05      0.0037899       6.2942E-10      6.2615E-10
493  RDRELFRC020     0.010281       0.007575       8.42E-06        0.005766       0.005701       2.3198E-05      0.0013974       2.7631E-10      2.5571E-10
494  RDRELFRC021     0.007322       0.006357       4.88E-06        0.004707       0.00566 2.3909E-05      0.0015286       2.4591E-10      2.2821E-10
495  RDRELFRC022     0.005087       0.005421       3.84E-06        0.004614       0.004661       2.2399E-05      0.0014128       2.0749E-10      1.9274E-10
496  RDRELFRC023     0.005904       0.006433       4.6E-06 0.005682   0.006315       2.8848E-05      0.0017694       2.5149E-10      2.3765E-10
     *
     * ENDAT1, flag indicating whether only atmos is run
497  OCENDAT1001     .FALSE.
     *
     * IDEBUG, specifies set of debug results to report
498  OCIDEBUG001     0
     *
     * NUCOUT, name of the nuclide to be listed on the dispersion listings
499  OCNUCOUT001     Cs-137
     *
     * METCOD, meteorological sampling option code
500  M1METCOD001     2
     *
     * Form 'Boundary Limit' Comment:
     * From NUREG-1150.
     *
     * LIMSPA, last spatial interval for measured weather
501  M2LIMSPA001     25
     *
     * Form 'Constant or Boundary Conditions' Comment:
     * Stability class 5 is the most prevalent in the PB data.  2.2 is average speed data, and other values are from NUREG-1150 data.
     *
     * BNDMXH, boundary weather mixing layer height (meters)
502  M2BNDMXH001     1000.
     *
     * IBDSTB, boundary weather stability class index
503  M2IBDSTB001     4
     *
     * BNDRAN, boundary weather rain rate (mm/hr)
504  M2BNDRAN001     5.
     *
     * BNDWND, boundary weather wind speed (m/sec)
505  M2BNDWND001     2.2
     *
     * MAXHGT, if equal DAY_AND_NIGHT, then time of sunrise/sunset is used to calculate max mixing height. DAY_ONLY uses MACCS2 1.12 model
506  M1MAXHGT001     DAY_AND_NIGHT
     *
     * Form 'Site Location' Comment:
     * Consistent with PB site file.
     *
     * LATITUDE_DEG, LATITUDE_MIN, LATITUDE_SEC, indicates latitude of site, used with longitude
507  M1LATITU001     39.
     *
     * LATITU_MIN minutes portion of latitude
508  M1LATITU002     45.
     *
     * LATITU_SEC, seconds portion of latitude
509  M1LATITU003     32.
     *
     * LONGIT_DEG, LONGIT_MIN, LONGIT_SEC, indicates longitude of site, used with latitude
510  M1LONGIT001     76.
     *
     * LONGIT_MIN, minutes portion of longitude
511  M1LONGIT002     16.
     *
     * LONGIT_SEC, seconds portion of longitude
512  M1LONGIT003     9.
     *
     * Form 'Rain Distances' Comment:
     * From NUREG-1150.
     *
     * NRNINT, number of rain distance intervals for binning
513  M4NRNINT001     5
     *
     * RNDSTS, endpoints of the rain distance intervals (km)
514  M4RNDSTS001     3.22
515  M4RNDSTS002     5.63
516  M4RNDSTS003     11.27
517  M4RNDSTS004     20.92
518  M4RNDSTS005     32.19
     *
     * Form 'Rain Intensities' Comment:
     * From NUREG-1150.
     *
     * NRINTN, number of rain intensity breakpoints
519  M4NRINTN001     3
     *
     * RNRATE, rain intensity breakpoints for weather binning (mm/hr)
520  M4RNRATE001     2.
521  M4RNRATE002     4.
522  M4RNRATE003     6.
     *
     * IRSEED, initial seed for random number generator
523  M4IRSEED001     79
     *
     * Form 'Bins' Comment:
     * Minimum of 12 or 10% of samples in bin.
     *
     * NSBINS, number of bins to be sampled when NSMPLS = 0
524  M4NSBINS001     36
     *
     * INDXBN, INWGHT, number of weather sequences to be selected from specific weather bins
525  M4SMPLDF001     1       71
526  M4SMPLDF002     2       42
527  M4SMPLDF003     3       12
528  M4SMPLDF004     4       52
529  M4SMPLDF005     5       57
530  M4SMPLDF006     6       74
531  M4SMPLDF007     7       21
532  M4SMPLDF008     8       12
533  M4SMPLDF009     9       49
534  M4SMPLDF010     10      103
535  M4SMPLDF011     11      77
536  M4SMPLDF012     12      35
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  537  M4SMPLDF013      13      51
  538  M4SMPLDF014      14      75
  539  M4SMPLDF015      15      14
  540  M4SMPLDF016      16      4
  541  M4SMPLDF017      17      44
  542  M4SMPLDF018      18      12
  543  M4SMPLDF019      19      17
  544  M4SMPLDF020      20      24
  545  M4SMPLDF021      21      24
  546  M4SMPLDF022      22      12
  547  M4SMPLDF023      23      4
  548  M4SMPLDF024      24      8
  549  M4SMPLDF025      25      12
  550  M4SMPLDF026      26      12
  551  M4SMPLDF027      27      12
  552  M4SMPLDF028      28      1
  553  M4SMPLDF029      29      3
  554  M4SMPLDF030      30      5
  555  M4SMPLDF031      31      4
  556  M4SMPLDF032      32      12
  557  M4SMPLDF033      33      1
  558  M4SMPLDF034      34      7
  559  M4SMPLDF035      35      9
  560  M4SMPLDF036      36      12
       *
       * ATMOS_ZERO = 0
  561  TYPE0NUMBER      0
       *
       * NUM0, number of results
  562  TYPE0NUMBER      14
********   RECORD NUMBER   562 REPLACES RECORD NUMBER   561   ********
       *
       * INDREL, INDRAD, CCDF, ATMOS release and spatial interval
  563  TYPE0OUT001      1       1       NONE
  564  TYPE0OUT002      1       2       NONE
  565  TYPE0OUT003      1       3       NONE
  566  TYPE0OUT004      1       4       NONE
  567  TYPE0OUT005      1       5       NONE
  568  TYPE0OUT006      1       6       NONE
  569  TYPE0OUT007      1       7       NONE
  570  TYPE0OUT008      1       8       NONE
  571  TYPE0OUT009      1       9       NONE
  572  TYPE0OUT010      1       10      NONE
  573  TYPE0OUT011      1       11      NONE
  574  TYPE0OUT012      1       12      NONE
  575  TYPE0OUT013      1       19      NONE
  576  TYPE0OUT014      1       21      NONE
       *
       * NUM_DIST2, used for Dispersion Power Law (always 0)
  577  NUM_DIST001      0
       *
       * NSMPLS2, used for non-uniform Bin Sampling (always 0)
  578  M4NSMPLS001      0
       .
******** TERMINATOR RECORD ENCOUNTERED -- END OF BASE CASE USER INPUT ********


USER INPUT PROCESSING SUMMARY - BASE CASE

NUMBER OF RECORDS READ                          =  819
NUMBER OF BLANK OR COMMENT RECORDS READ         =  240
NUMBER OF TERMINATOR RECORDS                    =    1
NUMBER OF RECORDS PROCESSED                     =  578
    NUMBER OF PROCESSED RECORDS DUPLICATED      =    2
    NUMBER OF PROCESSED RECORDS SORTED          =  576
*****************************************************************************************************



Decay Chain #  Ba-139

Decay Chain #  Ba-140   La-140
Fraction of Ba-140  going to La-140  in this chain = 1.000000

Decay Chain #  Ce-143   Pr-143
Fraction of Ce-143  going to Pr-143  in this chain = 1.000000

Decay Chain #  Ce-144   Pr-144
Fraction of Ce-144  going to Pr-144  in this chain = 0.982200

Decay Chain #  Ce-144   Pr-144m  Pr-144
Fraction of Ce-144  going to Pr-144m in this chain = 0.017800
Fraction of Ce-144  going to Pr-144  in this chain = 0.017782
Fraction of Pr-144m going to Pr-144  in this chain = 0.999000

Decay Chain #  Cm-242   Pu-238
Fraction of Cm-242  going to Pu-238  in this chain = 1.000000

Decay Chain #  Cm-244   Pu-240
Fraction of Cm-244  going to Pu-240  in this chain = 1.000000

Decay Chain #  Co-58

Decay Chain #  Co-60

Decay Chain #  Cs-134

Decay Chain #  Cs-136

Decay Chain #  Cs-137   Ba-137m
Fraction of Cs-137  going to Ba-137m in this chain = 0.946000

Decay Chain #  I-133    Xe-133
Fraction of I-133   going to Xe-133  in this chain = 0.971000

Decay Chain #  I-134

Decay Chain #  I-135    Xe-135
Fraction of I-135   going to Xe-135  in this chain = 0.846000

Decay Chain #  I-135    Xe-135m  Xe-135
Fraction of I-135   going to Xe-135m in this chain = 0.154000
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Fraction of I-135 going to Xe-135 in this chain = 0.153985
Fraction of Xe-135m going to Xe-135 in this chain = 0.999900

Decay Chain # Kr-85m Kr-85
Fraction of Kr-85m going to Kr-85 in this chain = 0.211000

Decay Chain # Kr-87

Decay Chain # Kr-88 Rb-88
Fraction of Kr-88 going to Rb-88 in this chain = 1.000000

Decay Chain # La-141 Ce-141
Fraction of La-141 going to Ce-141 in this chain = 1.000000

Decay Chain # La-142

Decay Chain # Mo-99 Tc-99m
Fraction of Mo-99 going to Tc-99m in this chain = 0.876000

Decay Chain # Nd-147

Decay Chain # Np-239 Pu-239
Fraction of Np-239 going to Pu-239 in this chain = 1.000000

Decay Chain # Pu-241 Am-241
Fraction of Pu-241 going to Am-241 in this chain = 1.000000

Decay Chain # Rb-86

Decay Chain # Ru-103 Rh-103m
Fraction of Ru-103 going to Rh-103m in this chain = 0.997000

Decay Chain # Ru-105 Rh-105
Fraction of Ru-105 going to Rh-105 in this chain = 1.000000

Decay Chain # Ru-106 Rh-106
Fraction of Ru-106 going to Rh-106 in this chain = 1.000000

Decay Chain # Sr-89

Decay Chain # Sr-90 Y-90
Fraction of Sr-90 going to Y-90 in this chain = 1.000000

Decay Chain # Sr-91 Y-91
Fraction of Sr-91 going to Y-91 in this chain = 0.422000

Decay Chain # Sr-91 Y-91m Y-91
Fraction of Sr-91 going to Y-91m in this chain = 0.578000
Fraction of Sr-91 going to Y-91 in this chain = 0.578000
Fraction of Y-91m going to Y-91 in this chain = 1.000000

Decay Chain # Sr-92 Y-92
Fraction of Sr-92 going to Y-92 in this chain = 1.000000

Decay Chain # Te-127m Te-127
Fraction of Te-127m going to Te-127 in this chain = 0.976000

Decay Chain # Te-129m Te-129
Fraction of Te-129m going to Te-129 in this chain = 0.650000

Decay Chain # Te-131m I-131
Fraction of Te-131m going to I-131 in this chain = 0.778000

Decay Chain # Te-131m Te-131 I-131
Fraction of Te-131m going to Te-131 in this chain = 0.222000
Fraction of Te-131m going to I-131 in this chain = 0.222000
Fraction of Te-131 going to I-131 in this chain = 1.000000

Decay Chain # Te-132 I-132
Fraction of Te-132 going to I-132 in this chain = 1.000000

Decay Chain # Y-93

Decay Chain # Zr-95 Nb-95
Fraction of Zr-95 going to Nb-95 in this chain = 0.993000

Decay Chain # Zr-97 Nb-97
Fraction of Zr-97 going to Nb-97 in this chain = 0.053000

Decay Chain # Zr-97 Nb-97m Nb-97
Fraction of Zr-97 going to Nb-97m in this chain = 0.947000
Fraction of Zr-97 going to Nb-97 in this chain = 0.947000
Fraction of Nb-97m going to Nb-97 in this chain = 1.000000

Using distance dispersion model for sigma-y/sigma-z

Using NEW Plume Meander model for sigma-y

THE DENSITY PLUME BUOYANCY MODEL IS IN EFFECT

RELEASED INVENTORY OF ALL PLUMES

| Rel # | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kr-85 | 4.26E+13 | 1.38E+14 | 6.23E+13 | 4.59E+13 | 2.33E+13 | 3.33E+14 | 7.16E+13 | 6.76E+13 | 5.15E+15 | 7.15E+14 | 1.06E+15 | 1.12E+15 | 1.83E+15 | 1.31E+15 | 1.67E+15 | 2.35E+15 | 2.00E+15 | 2.96E+15 | 2.68E+15 | 1.14E+15 | 8.12E+14 | 5.64E+14 | 6.55E+14 |
| Kr-85m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Kr-87 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Kr-88 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Xe-133 | 1.54E+14 | 4.95E+14 | 2.24E+14 | 1.64E+14 | 8.30E+13 | 1.18E+15 | 2.54E+14 | 2.39E+14 | 1.82E+16 | 2.51E+15 | 3.72E+15 | 3.91E+15 | 6.37E+15 | 4.56E+15 | 5.78E+15 | 8.13E+15 | 6.89E+15 | 1.02E+16 | 9.21E+15 | 3.90E+15 | 2.77E+15 | 1.92E+15 | 2.22E+15 |
| Xe-135 | 1.18E+03 | 3.60E+03 | 1.57E+03 | 1.11E+03 | 5.44E+02 | 7.48E+03 | 1.55E+03 | 1.41E+03 | 1.03E+05 | 1.38E+04 | 1.97E+04 | 2.00E+04 | 3.14E+04 | 2.17E+04 | 2.66E+04 | 3.61E+04 | 2.95E+04 | 4.20E+04 | 3.67E+04 | 1.50E+04 | 1.03E+04 | 6.89E+03 | 7.70E+03 |
| Xe-135m | 4.63E-03 | 5.29E-03 | 4.76E-03 | 2.46E-03 | 2.90E-03 | 1.90E-02 | 1.23E-03 | 1.72E-03 | 2.60E-02 | 6.59E-03 | 1.08E-02 | 1.06E-02 | 1.54E-02 | 1.12E-02 | 1.34E-02 | 1.91E-02 | 1.57E-02 | 2.05E-02 | 1.37E-02 | 5.39E-03 | 4.17E-03 | 3.88E-03 | 4.54E-03 |
| Cs-134 | 3.53E+14 | 4.61E+14 | 4.50E+14 | 1.87E+15 | 6.27E+14 | 2.03E+15 | 2.43E+15 | 3.55E+14 | 7.48E+15 | 2.45E+15 | 3.54E+15 | 8.55E+15 | 1.65E+16 | 7.87E+15 | 9.58E+15 | 1.21E+16 | 1.50E+16 | 1.54E+16 | 1.31E+16 | 6.28E+15 | 5.27E+15 | 4.49E+15 | 5.33E+15 |
| Cs-136 | 2.75E+13 | 3.58E+13 | 3.49E+13 | 1.45E+14 | 4.85E+13 | 1.57E+14 | 1.88E+14 | 2.74E+13 | 5.77E+14 | 1.88E+14 | 2.72E+14 | 6.57E+14 | 1.27E+15 | 6.03E+14 | 7.34E+14 | 9.29E+14 | 1.15E+15 | 1.18E+15 | 1.00E+15 | 4.78E+14 | 4.01E+14 | 3.41E+14 | 4.05E+14 |
| Cs-137 | 9.07E+14 | 1.18E+15 | 1.16E+15 | 4.81E+15 | 1.61E+15 | 5.21E+15 | 6.24E+15 | 9.13E+14 | 1.92E+16 | 6.29E+15 | 9.08E+15 | 2.20E+16 | 4.24E+16 | 2.02E+16 | 2.46E+16 | 3.12E+16 | 3.85E+16 | 3.97E+16 | 3.38E+16 | 1.61E+16 | 1.35E+16 | 1.15E+16 | 1.37E+16 |
| Rb-86 | 1.10E+12 | 1.43E+12 | 1.40E+12 | 5.80E+12 | 1.94E+12 | 6.28E+12 | 7.51E+12 | 1.10E+12 | 2.31E+13 | 7.55E+12 | 1.09E+13 | 2.63E+13 | 5.08E+13 | 2.42E+13 | 2.95E+13 | 3.73E+13 | 4.60E+13 | 4.74E+13 | 4.03E+13 | 1.92E+13 | 1.61E+13 | 1.37E+13 | 1.63E+13 |
| Rb-88 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Ba-139 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Ba-140 | 1.28E+14 | 1.68E+14 | 1.64E+14 | 3.82E+14 | 1.72E+14 | 7.63E+14 | 4.99E+14 | 1.24E+14 | 1.05E+15 | 4.62E+13 | 8.79E+12 | 5.59E+14 | 1.89E+15 | 5.41E+13 | 1.30E+13 | 1.48E+13 | 1.72E+13 | 7.96E+13 | 1.35E+14 | 7.25E+12 | 4.20E+12 | 3.30E+12 | 3.95E+12 |
| Sr-89 | 1.11E+14 | 1.46E+14 | 1.43E+14 | 3.33E+14 | 1.51E+14 | 6.67E+14 | 4.37E+14 | 1.09E+14 | 9.17E+14 | 4.06E+13 | 7.71E+12 | 4.91E+14 | 1.66E+15 | 4.76E+13 | 1.15E+13 | 1.30E+13 | 1.51E+13 | 7.03E+13 | 1.20E+14 | 6.41E+12 | 3.72E+12 | 2.92E+12 | 3.50E+12 |
| Sr-90 | 2.23E+14 | 2.92E+14 | 2.85E+14 | 6.65E+14 | 3.01E+14 | 1.33E+15 | 8.74E+14 | 2.18E+14 | 1.84E+15 | 8.12E+13 | 1.55E+13 | 9.83E+14 | 3.33E+15 | 9.54E+13 | 2.30E+13 | 2.62E+13 | 3.04E+13 | 1.41E+14 | 2.40E+14 | 1.29E+13 | 7.46E+12 | 5.87E+12 | 7.04E+12 |
| Sr-91 | 2.51E+02 | 3.13E+02 | 2.95E+02 | 6.63E+02 | 2.89E+02 | 1.23E+03 | 7.80E+02 | 1.87E+02 | 1.52E+03 | 6.50E+01 | 1.19E+01 | 7.31E+02 | 2.39E+03 | 6.60E+01 | 1.53E+01 | 1.68E+01 | 1.88E+01 | 8.43E+01 | 1.38E+02 | 7.16E+00 | 4.00E+00 | 3.03E+00 | 3.50E+00 |
| Sr-92 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ba-137m | 8.58E+14 | 1.12E+15 | 1.09E+15 | 4.55E+15 | 1.52E+15 | 4.93E+15 | 5.90E+15 | 8.63E+14 | 1.82E+16 | 5.95E+15 | 8.59E+15 | 2.08E+16 | 4.01E+16 | 1.91E+16 | 2.33E+16 | 2.95E+16 | 3.64E+16 | 3.76E+16 | 3.20E+16 | 1.53E+16 | 1.28E+16 | 1.09E+16 | 1.30E+16 |
| I-131 | 5.96E+14 | 7.32E+14 | 6.93E+14 | 3.76E+14 | 4.68E+14 | 3.21E+15 | 2.19E+14 | 3.22E+14 | 5.14E+15 | 1.37E+15 | 2.35E+15 | 2.44E+15 | 3.71E+15 | 2.86E+15 | 3.58E+15 | 5.38E+15 | 4.63E+15 | 6.37E+15 | 4.48E+15 | 1.85E+15 | 1.51E+15 | 1.48E+15 | 1.82E+15 |
| I-132 | 1.12E+14 | 1.44E+14 | 1.39E+14 | 7.58E+13 | 9.47E+13 | 6.30E+14 | 4.35E+13 | 6.32E+13 | 9.79E+14 | 2.61E+14 | 4.46E+14 | 4.60E+14 | 6.94E+14 | 5.34E+14 | 6.69E+14 | 9.80E+14 | 1.06E+15 | 1.12E+15 | 8.07E+14 | 3.37E+14 | 3.33E+14 | 2.73E+14 | 3.69E+14 |
| I-133 | 1.68E+10 | 2.02E+10 | 1.89E+10 | 1.01E+10 | 1.24E+10 | 8.37E+10 | 5.62E+09 | 8.15E+09 | 1.28E+11 | 3.36E+10 | 5.68E+10 | 5.80E+10 | 8.72E+10 | 6.61E+10 | 8.16E+10 | 1.21E+11 | 1.02E+11 | 1.39E+11 | 9.62E+10 | 3.92E+10 | 3.15E+10 | 3.04E+10 | 3.68E+10 |
| I-134 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| I-135 | 2.89E-02 | 3.30E-02 | 2.97E-02 | 1.53E-02 | 1.81E-02 | 1.18E-01 | 7.67E-03 | 1.07E-02 | 1.63E-01 | 4.12E-02 | 6.72E-02 | 6.62E-02 | 9.60E-02 | 7.02E-02 | 8.36E-02 | 1.20E-01 | 9.78E-02 | 1.28E-01 | 8.55E-02 | 3.36E-02 | 2.61E-02 | 2.42E-02 | 2.83E-02 |
| Te-127 | 3.30E+13 | 4.27E+13 | 4.15E+13 | 2.27E+13 | 2.85E+13 | 1.90E+14 | 1.32E+13 | 1.92E+13 | 2.99E+14 | 8.00E+13 | 1.37E+14 | 1.42E+14 | 2.16E+14 | 1.66E+14 | 2.09E+14 | 3.08E+14 | 3.33E+14 | 3.56E+14 | 2.57E+14 | 1.08E+14 | 1.07E+14 | 8.81E+13 | 1.19E+14 |
| Te-127m | 3.35E+13 | 4.34E+13 | 4.22E+13 | 2.30E+13 | 2.89E+13 | 1.93E+14 | 1.34E+13 | 1.95E+13 | 3.04E+14 | 8.13E+13 | 1.39E+14 | 1.44E+14 | 2.19E+14 | 1.69E+14 | 2.13E+14 | 3.13E+14 | 3.39E+14 | 3.62E+14 | 2.62E+14 | 1.10E+14 | 1.09E+14 | 8.96E+13 | 1.21E+14 |
| Te-129 | 5.53E+13 | 7.15E+13 | 6.95E+13 | 3.79E+13 | 4.76E+13 | 3.18E+14 | 2.20E+13 | 3.22E+13 | 5.00E+14 | 1.34E+14 | 2.29E+14 | 2.38E+14 | 3.60E+14 | 2.78E+14 | 3.50E+14 | 5.15E+14 | 5.57E+14 | 5.94E+14 | 4.29E+14 | 1.80E+14 | 1.79E+14 | 1.47E+14 | 1.99E+14 |
| Te-129m | 8.49E+13 | 1.10E+14 | 1.07E+14 | 5.82E+13 | 7.31E+13 | 4.88E+14 | 3.38E+13 | 4.94E+13 | 7.68E+14 | 2.05E+14 | 3.52E+14 | 3.65E+14 | 5.53E+14 | 4.27E+14 | 5.37E+14 | 7.91E+14 | 8.56E+14 | 9.13E+14 | 6.59E+14 | 2.76E+14 | 2.74E+14 | 2.26E+14 | 3.06E+14 |
| Te-131m | 7.46E+10 | 9.50E+10 | 9.14E+10 | 4.93E+10 | 6.12E+10 | 4.04E+11 | 2.77E+10 | 4.00E+10 | 6.14E+11 | 1.63E+11 | 2.76E+11 | 2.82E+11 | 4.24E+11 | 3.24E+11 | 4.02E+11 | 5.85E+11 | 6.26E+11 | 6.61E+11 | 4.72E+11 | 1.96E+11 | 1.92E+11 | 1.56E+11 | 2.09E+11 |
| Te-132 | 1.09E+14 | 1.40E+14 | 1.35E+14 | 7.35E+13 | 9.19E+13 | 6.12E+14 | 4.22E+13 | 6.14E+13 | 9.50E+14 | 2.53E+14 | 4.32E+14 | 4.46E+14 | 6.74E+14 | 5.18E+14 | 6.49E+14 | 9.52E+14 | 1.03E+15 | 1.09E+15 | 7.84E+14 | 3.27E+14 | 3.23E+14 | 2.65E+14 | 3.58E+14 |
| Te-131 | 1.68E+10 | 2.14E+10 | 2.06E+10 | 1.11E+10 | 1.38E+10 | 9.10E+10 | 6.23E+09 | 9.00E+09 | 1.38E+11 | 3.66E+10 | 6.21E+10 | 6.36E+10 | 9.54E+10 | 7.28E+10 | 9.06E+10 | 1.32E+11 | 1.41E+11 | 1.49E+11 | 1.06E+11 | 4.41E+10 | 4.32E+10 | 3.52E+10 | 4.71E+10 |
| Rh-105 | 4.15E+06 | 8.95E+06 | 1.97E+07 | 2.21E+07 | 3.04E+07 | 4.57E+07 | 9.43E+07 | 9.84E+07 | 3.81E+09 | 1.26E+09 | 3.52E+09 | 9.08E+09 | 1.55E+10 | 1.69E+10 | 2.70E+10 | 5.59E+10 | 7.30E+10 | 7.39E+10 | 5.36E+10 | 2.20E+10 | 2.25E+10 | 2.08E+10 | 2.66E+10 |
| Ru-103 | 6.16E+09 | 1.35E+10 | 2.99E+10 | 3.39E+10 | 4.70E+10 | 7.13E+10 | 1.49E+11 | 1.57E+11 | 6.13E+12 | 2.05E+12 | 5.76E+12 | 1.50E+13 | 2.58E+13 | 2.85E+13 | 4.58E+13 | 9.59E+13 | 1.26E+14 | 1.29E+14 | 9.46E+13 | 3.92E+13 | 4.04E+13 | 3.78E+13 | 4.87E+13 |
| Ru-105 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Ru-106 | 4.21E+09 | 9.21E+09 | 2.05E+10 | 2.32E+10 | 3.22E+10 | 4.89E+10 | 1.02E+11 | 1.07E+11 | 4.20E+12 | 1.40E+12 | 3.96E+12 | 1.03E+13 | 1.77E+13 | 1.96E+13 | 3.15E+13 | 6.59E+13 | 8.70E+13 | 8.89E+13 | 6.51E+13 | 2.70E+13 | 2.78E+13 | 2.61E+13 | 3.36E+13 |
| Rh-103m | 6.15E+09 | 1.34E+10 | 2.99E+10 | 3.38E+10 | 4.69E+10 | 7.12E+10 | 1.48E+11 | 1.56E+11 | 6.11E+12 | 2.04E+12 | 5.75E+12 | 1.50E+13 | 2.58E+13 | 2.84E+13 | 4.57E+13 | 9.57E+13 | 1.26E+14 | 1.29E+14 | 9.44E+13 | 3.91E+13 | 4.03E+13 | 3.78E+13 | 4.86E+13 |
| Rh-106 | 4.21E+09 | 9.21E+09 | 2.05E+10 | 2.32E+10 | 3.22E+10 | 4.89E+10 | 1.02E+11 | 1.07E+11 | 4.20E+12 | 1.40E+12 | 3.96E+12 | 1.03E+13 | 1.77E+13 | 1.96E+13 | 3.15E+13 | 6.59E+13 | 8.70E+13 | 8.89E+13 | 6.51E+13 | 2.70E+13 | 2.78E+13 | 2.61E+13 | 3.36E+13 |
| Nb-95 | 6.99E+11 | 1.52E+12 | 3.39E+12 | 3.83E+12 | 5.30E+12 | 9.71E+12 | 3.22E+13 | 5.87E+13 | 4.24E+15 | 2.66E+15 | 4.95E+15 | 4.95E+15 | 5.91E+15 | 5.35E+15 | 6.85E+15 | 1.09E+16 | 1.20E+16 | 9.95E+15 | 6.73E+15 | 2.48E+15 | 2.71E+15 | 2.51E+15 | 3.14E+15 |
| Co-58 | 9.91E+07 | 2.16E+08 | 4.80E+08 | 5.44E+08 | 7.52E+08 | 1.38E+09 | 4.57E+09 | 8.34E+09 | 6.02E+11 | 3.78E+11 | 7.03E+11 | 7.03E+11 | 8.40E+11 | 7.60E+11 | 9.74E+11 | 1.54E+12 | 1.71E+12 | 1.42E+12 | 9.58E+11 | 3.53E+11 | 3.86E+11 | 3.57E+11 | 4.47E+11 |
| Co-60 | 9.76E+08 | 2.13E+09 | 4.73E+09 | 5.36E+09 | 7.41E+09 | 1.36E+10 | 4.51E+10 | 8.22E+10 | 5.93E+12 | 3.73E+12 | 6.94E+12 | 6.94E+12 | 8.29E+12 | 7.50E+12 | 9.62E+12 | 1.52E+13 | 1.69E+13 | 1.40E+13 | 9.46E+12 | 3.49E+12 | 3.82E+12 | 3.53E+12 | 4.42E+12 |
| Mo-99 | 1.69E+10 | 3.67E+10 | 8.10E+10 | 9.12E+10 | 1.26E+11 | 2.29E+11 | 7.55E+11 | 1.37E+12 | 9.85E+13 | 6.15E+13 | 1.14E+14 | 1.13E+14 | 1.35E+14 | 1.21E+14 | 1.55E+14 | 2.44E+14 | 2.69E+14 | 2.22E+14 | 1.49E+14 | 5.47E+13 | 5.95E+13 | 5.47E+13 | 6.81E+13 |
| Tc-99m | 1.63E+10 | 3.53E+10 | 7.81E+10 | 8.80E+10 | 1.21E+11 | 2.21E+11 | 7.28E+11 | 1.32E+12 | 9.49E+13 | 5.93E+13 | 1.10E+14 | 1.09E+14 | 1.30E+14 | 1.17E+14 | 1.49E+14 | 2.35E+14 | 2.59E+14 | 2.14E+14 | 1.44E+14 | 5.27E+13 | 5.73E+13 | 5.27E+13 | 6.57E+13 |
| Nb-97 | 1.02E-01 | 7.77E-01 | 2.20E+00 | 2.30E+00 | 4.71E+00 | 1.46E+01 | 1.75E+01 | 5.62E+00 | 1.32E+02 | 8.61E+01 | 1.57E+02 | 1.66E+02 | 2.18E+02 | 2.31E+02 | 3.06E+02 | 4.36E+02 | 3.06E+02 | 4.70E+02 | 2.14E+02 | 9.20E+01 | 8.02E+01 | 6.63E+01 | 7.87E+01 |
| Nb-97m | 8.93E-02 | 6.84E-01 | 1.93E+00 | 2.03E+00 | 4.14E+00 | 1.28E+01 | 1.54E+01 | 4.94E+00 | 1.16E+02 | 7.58E+01 | 1.38E+02 | 1.46E+02 | 1.91E+02 | 2.03E+02 | 2.69E+02 | 3.84E+02 | 2.69E+02 | 4.13E+02 | 1.88E+02 | 8.09E+01 | 7.05E+01 | 5.83E+01 | 6.92E+01 |
| Ce-141 | 3.14E+05 | 2.48E+06 | 7.14E+06 | 7.64E+06 | 1.59E+07 | 5.03E+07 | 6.16E+07 | 2.02E+07 | 4.82E+08 | 3.22E+08 | 6.00E+08 | 6.46E+08 | 8.65E+08 | 9.34E+08 | 1.27E+09 | 1.84E+09 | 1.32E+09 | 2.06E+09 | 9.58E+08 | 4.21E+08 | 3.74E+08 | 3.16E+08 | 3.82E+08 |
| Ce-143 | 1.52E+02 | 1.18E+03 | 3.36E+03 | 3.56E+03 | 7.35E+03 | 2.30E+04 | 2.78E+04 | 9.04E+03 | 2.14E+05 | 1.41E+05 | 2.61E+05 | 2.78E+05 | 3.68E+05 | 3.94E+05 | 5.28E+05 | 7.60E+05 | 5.38E+05 | 8.35E+05 | 3.84E+05 | 1.67E+05 | 1.47E+05 | 1.23E+05 | 1.47E+05 |
| Ce-144 | 3.89E+05 | 3.06E+06 | 8.84E+06 | 9.46E+06 | 1.97E+07 | 6.23E+07 | 7.63E+07 | 2.51E+07 | 5.98E+08 | 4.00E+08 | 7.45E+08 | 8.03E+08 | 1.07E+09 | 1.16E+09 | 1.57E+09 | 2.29E+09 | 1.64E+09 | 2.57E+09 | 1.19E+09 | 5.24E+08 | 4.66E+08 | 3.93E+08 | 4.77E+08 |
| Np-239 | 6.03E+04 | 4.71E+05 | 1.35E+06 | 1.44E+06 | 2.98E+06 | 9.36E+06 | 1.14E+07 | 3.72E+06 | 8.82E+07 | 5.86E+07 | 1.09E+08 | 1.16E+08 | 1.55E+08 | 1.66E+08 | 2.24E+08 | 3.23E+08 | 2.30E+08 | 3.59E+08 | 1.66E+08 | 7.23E+07 | 6.39E+07 | 5.36E+07 | 6.46E+07 |
| Pu-238 | 1.11E+04 | 8.78E+04 | 2.53E+05 | 2.71E+05 | 5.66E+05 | 1.79E+06 | 2.19E+06 | 7.18E+05 | 1.72E+07 | 1.15E+07 | 2.14E+07 | 2.30E+07 | 3.08E+07 | 3.33E+07 | 4.51E+07 | 6.57E+07 | 4.70E+07 | 7.37E+07 | 3.42E+07 | 1.50E+07 | 1.34E+07 | 1.13E+07 | 1.37E+07 |
| Pu-239 | 8.72E+02 | 6.88E+03 | 1.98E+04 | 2.12E+04 | 4.43E+04 | 1.40E+05 | 1.71E+05 | 5.62E+04 | 1.34E+06 | 8.98E+05 | 1.67E+06 | 1.80E+06 | 2.41E+06 | 2.61E+06 | 3.53E+06 | 5.14E+06 | 3.68E+06 | 5.77E+06 | 2.68E+06 | 1.18E+06 | 1.05E+06 | 8.84E+05 | 1.07E+06 |
| Pu-240 | 1.79E+03 | 1.41E+04 | 4.08E+04 | 4.36E+04 | 9.10E+04 | 2.87E+05 | 3.52E+05 | 1.16E+05 | 2.76E+06 | 1.84E+06 | 3.44E+06 | 3.70E+06 | 4.96E+06 | 5.36E+06 | 7.26E+06 | 1.06E+07 | 7.56E+06 | 1.19E+07 | 5.51E+06 | 2.42E+06 | 2.15E+06 | 1.82E+06 | 2.20E+06 |
| Pu-241 | 2.54E+05 | 2.00E+06 | 5.77E+06 | 6.18E+06 | 1.29E+07 | 4.07E+07 | 4.99E+07 | 1.64E+07 | 3.91E+08 | 2.61E+08 | 4.87E+08 | 5.25E+08 | 7.02E+08 | 7.59E+08 | 1.03E+09 | 1.50E+09 | 1.07E+09 | 1.68E+09 | 7.80E+08 | 3.42E+08 | 3.05E+08 | 2.57E+08 | 3.12E+08 |
| Zr-95 | 3.61E+05 | 2.84E+06 | 8.20E+06 | 8.77E+06 | 1.83E+07 | 5.78E+07 | 7.07E+07 | 2.32E+07 | 5.54E+08 | 3.70E+08 | 6.90E+08 | 7.43E+08 | 9.95E+08 | 1.08E+09 | 1.46E+09 | 2.12E+09 | 1.52E+09 | 2.38E+09 | 1.10E+09 | 4.85E+08 | 4.31E+08 | 3.64E+08 | 4.41E+08 |
| Zr-97 | 9.42E-02 | 7.21E-01 | 2.04E+00 | 2.14E+00 | 4.37E+00 | 1.35E+01 | 1.62E+01 | 5.22E+00 | 1.22E+02 | 7.99E+01 | 1.46E+02 | 1.54E+02 | 2.02E+02 | 2.14E+02 | 2.84E+02 | 4.05E+02 | 2.84E+02 | 4.36E+02 | 1.98E+02 | 8.54E+01 | 7.44E+01 | 6.15E+01 | 7.31E+01 |
| Am-241 | 4.58E+03 | 3.61E+04 | 1.04E+05 | 1.11E+05 | 2.33E+05 | 7.34E+05 | 8.99E+05 | 2.95E+05 | 7.05E+06 | 4.71E+06 | 8.78E+06 | 9.46E+06 | 1.26E+07 | 1.36E+07 | 1.85E+07 | 2.69E+07 | 1.89E+07 | 2.91E+07 | 1.39E+07 | 5.68E+06 | 5.07E+06 | 4.28E+06 | 5.28E+06 |
| Cm-242 | 2.90E+04 | 2.28E+05 | 6.59E+05 | 7.05E+05 | 1.47E+06 | 4.64E+06 | 5.68E+06 | 1.86E+06 | 4.45E+07 | 2.97E+07 | 5.55E+07 | 5.98E+07 | 7.98E+07 | 8.61E+07 | 1.17E+08 | 1.70E+08 | 1.20E+08 | 1.84E+08 | 8.78E+07 | 3.59E+07 | 3.20E+07 | 2.70E+07 | 3.33E+07 |
| Cm-244 | 1.11E+04 | 8.78E+04 | 2.53E+05 | 2.71E+05 | 5.65E+05 | 1.78E+06 | 2.19E+06 | 7.16E+05 | 1.71E+07 | 1.14E+07 | 2.13E+07 | 2.30E+07 | 3.07E+07 | 3.31E+07 | 4.49E+07 | 6.54E+07 | 4.60E+07 | 7.07E+07 | 3.38E+07 | 1.38E+07 | 1.23E+07 | 1.04E+07 | 1.28E+07 |
| La-140 | 8.78E+13 | 1.16E+14 | 1.14E+14 | 2.66E+14 | 1.21E+14 | 5.37E+14 | 3.53E+14 | 8.84E+13 | 7.47E+14 | 3.32E+13 | 6.33E+12 | 4.04E+14 | 1.37E+15 | 3.95E+13 | 9.55E+12 | 1.09E+13 | 1.27E+13 | 5.91E+13 | 1.01E+14 | 5.43E+12 | 3.16E+12 | 2.49E+12 | 2.99E+12 |
| La-141 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| La-142 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Nd-147 | 6.66E+04 | 5.24E+05 | 1.51E+06 | 1.61E+06 | 3.37E+06 | 1.06E+07 | 1.30E+07 | 4.25E+06 | 1.01E+08 | 6.77E+07 | 1.26E+08 | 1.36E+08 | 1.81E+08 | 1.95E+08 | 2.64E+08 | 3.84E+08 | 2.70E+08 | 4.14E+08 | 1.98E+08 | 8.06E+07 | 7.18E+07 | 6.06E+07 | 7.46E+07 |
| Pr-143 | 1.96E+05 | 1.54E+06 | 4.44E+06 | 4.75E+06 | 9.90E+06 | 3.12E+07 | 3.82E+07 | 1.25E+07 | 2.99E+08 | 1.99E+08 | 3.71E+08 | 3.99E+08 | 5.33E+08 | 5.74E+08 | 7.78E+08 | 1.13E+09 | 7.96E+08 | 1.22E+09 | 5.83E+08 | 2.38E+08 | 2.12E+08 | 1.79E+08 | 2.20E+08 |
| Y-90 | 1.07E+14 | 1.42E+14 | 1.39E+14 | 3.26E+14 | 1.48E+14 | 6.61E+14 | 4.36E+14 | 1.09E+14 | 9.25E+14 | 4.12E+13 | 7.87E+12 | 5.04E+14 | 1.71E+15 | 4.94E+13 | 1.20E+13 | 1.37E+13 | 1.60E+13 | 7.44E+13 | 1.27E+14 | 6.86E+12 | 4.00E+12 | 3.16E+12 | 3.80E+12 |
| Y-91 | 2.44E+05 | 1.92E+06 | 5.55E+06 | 5.94E+06 | 1.24E+07 | 3.91E+07 | 4.79E+07 | 1.57E+07 | 3.75E+08 | 2.50E+08 | 4.67E+08 | 5.03E+08 | 6.72E+08 | 7.24E+08 | 9.82E+08 | 1.43E+09 | 1.01E+09 | 1.55E+09 | 7.38E+08 | 3.01E+08 | 2.69E+08 | 2.27E+08 | 2.80E+08 |
| Y-92 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Y-93 | 2.45E-06 | 1.84E-05 | 5.12E-05 | 5.29E-05 | 1.07E-04 | 3.26E-04 | 3.85E-04 | 1.22E-04 | 2.82E-03 | 1.82E-03 | 3.28E-03 | 3.41E-03 | 4.41E-03 | 4.59E-03 | 6.02E-03 | 8.47E-03 | 5.76E-03 | 8.55E-03 | 3.95E-03 | 1.56E-03 | 1.34E-03 | 1.10E-03 | 1.31E-03 |
| Y-91m | 1.59E+02 | 1.98E+02 | 1.87E+02 | 4.20E+02 | 1.83E+02 | 7.82E+02 | 4.94E+02 | 1.19E+02 | 9.65E+02 | 4.11E+01 | 7.55E+00 | 4.63E+02 | 1.51E+03 | 4.18E+01 | 9.71E+00 | 1.06E+01 | 1.19E+01 | 5.34E+01 | 8.76E+01 | 4.53E+00 | 2.53E+00 | 1.92E+00 | 2.22E+00 |
| Pr-144 | 3.89E+05 | 3.06E+06 | 8.84E+06 | 9.46E+06 | 1.97E+07 | 6.23E+07 | 7.63E+07 | 2.51E+07 | 5.98E+08 | 4.00E+08 | 7.45E+08 | 8.03E+08 | 1.07E+09 | 1.16E+09 | 1.57E+09 | 2.29E+09 | 1.64E+09 | 2.57E+09 | 1.19E+09 | 5.24E+08 | 4.66E+08 | 3.93E+08 | 4.77E+08 |
| Pr-144m | 6.92E+03 | 5.45E+04 | 1.57E+05 | 1.68E+05 | 3.51E+05 | 1.11E+06 | 1.36E+06 | 4.46E+05 | 1.06E+07 | 7.12E+06 | 1.33E+07 | 1.43E+07 | 1.91E+07 | 2.07E+07 | 2.80E+07 | 4.07E+07 | 2.92E+07 | 4.57E+07 | 2.12E+07 | 9.33E+06 | 8.30E+06 | 7.00E+06 | 8.49E+06 |

MAXIMUM HEIGHT PLUME RISE FLAG = DAY_AND_NIGHT

READING FROM A WEATHER FILE WITH THE FOLLOWING HEADER:
Peach Bottom MACCS2 2006 Data
64 WD for SOAR CA Trials
Weather file uses 60 minute intervals
Weather file uses 64 wind directions
METEOROLOGICAL DATA FILE CONTAINS 602 PERIODS OF OBSERVED RAIN DATA.
ACCUMULATED RAIN MEASUREMENTS TOTALED 44.42 INCHES FOR THE YEAR.
MORNING LID HEIGHTS (M) FOR 4 SEASONS = 760 650 500 570
AFTERNOON LID HEIGHTS (M) FOR 4 SEASONS = 770 1450 1620 1140
NON-ZERO WINDSPEEDS LESS THAN 0.5 M/S ARE SET TO 0.5 M/S
NUMTRI= 984

* * * * METEOROLOGICAL BIN SUMMARY * * * *

BIN PRIORITIES
RI XX - RAIN INTENSITY I WITHIN THE INTERVAL ENDING AT XX
INTERVAL ENDPOINTS ARE IN KILOMETERS FROM THE ACCIDENT SITE, THE 5 INTERVAL ENDPOINTS ARE 3 6 11 21 32
RAIN INTENSITIES ARE IN MILLIMETERS OF RAIN PER HOUR, THE 3 INTENSITY BREAKPOINTS ARE 2.0 4.0 6.0
S V - INITIAL WEATHER CONDITIONS WITH STABILITY CLASS S AND WIND SPEED INTERVAL V
STABILITY CLASSES ARE B = A/B, D = C/D, E = E, AND F = F
WIND SPEED INTERVALS ARE IN METERS PER SECOND, 1 (0-1), 2 (1-2), 3 (2-3), 4 (3-5), 5 (5-7), 6 (GT 7)

WIND DIRECTION

| METBIN | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 B | 3 | 0.017 | 0.010 | 0.004 | 0.011 | 0.004 | 0.000 | 0.003 | 0.008 | 0.004 | 0.010 | 0.010 | 0.007 | 0.004 | 0.007 | 0.011 | 0.016 |
| 2 B | 4 | 0.017 | 0.014 | 0.012 | 0.017 | 0.005 | 0.007 | 0.014 | 0.017 | 0.010 | 0.012 | 0.005 | 0.017 | 0.010 | 0.014 | 0.026 | 0.029 |
| 3 D | 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.011 | 0.011 | 0.011 | 0.000 | 0.022 | 0.011 | 0.022 | 0.022 | 0.000 | 0.000 | 0.033 |
| 4 D | 2 | 0.017 | 0.021 | 0.013 | 0.010 | 0.011 | 0.010 | 0.010 | 0.008 | 0.006 | 0.008 | 0.008 | 0.011 | 0.011 | 0.021 | 0.019 | 0.013 |
| 5 D | 3 | 0.012 | 0.021 | 0.011 | 0.012 | 0.011 | 0.007 | 0.009 | 0.005 | 0.011 | 0.005 | 0.009 | 0.005 | 0.012 | 0.007 | 0.012 | 0.027 |
| 6 D | 4 | 0.004 | 0.005 | 0.003 | 0.004 | 0.008 | 0.003 | 0.003 | 0.005 | 0.011 | 0.004 | 0.008 | 0.011 | 0.013 | 0.011 | 0.013 | 0.015 |
| 7 D | 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.005 | 0.000 | 0.010 | 0.005 | 0.038 | 0.072 |
| 8 D | 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 E | 1 | 0.023 | 0.029 | 0.031 | 0.004 | 0.008 | 0.037 | 0.012 | 0.006 | 0.016 | 0.010 | 0.019 | 0.014 | 0.004 | 0.008 | 0.010 | 0.010 |
| 10 E | 2 | 0.028 | 0.030 | 0.021 | 0.011 | 0.014 | 0.011 | 0.012 | 0.014 | 0.010 | 0.014 | 0.017 | 0.025 | 0.022 | 0.015 | 0.022 | 0.030 |
| 11 E | 3 | 0.010 | 0.013 | 0.008 | 0.009 | 0.005 | 0.004 | 0.004 | 0.005 | 0.009 | 0.022 | 0.027 | 0.030 | 0.031 | 0.023 | 0.034 | 0.040 |
| 12 E | 4 | 0.008 | 0.011 | 0.003 | 0.006 | 0.006 | 0.000 | 0.008 | 0.006 | 0.011 | 0.008 | 0.011 | 0.008 | 0.028 | 0.017 | 0.034 | 0.056 |
| 13 F | 1 | 0.018 | 0.012 | 0.041 | 0.022 | 0.014 | 0.024 | 0.031 | 0.010 | 0.027 | 0.031 | 0.025 | 0.024 | 0.020 | 0.022 | 0.027 | 0.025 |
| 14 F | 2 | 0.005 | 0.004 | 0.016 | 0.005 | 0.009 | 0.019 | 0.012 | 0.027 | 0.029 | 0.057 | 0.060 | 0.077 | 0.096 | 0.055 | 0.067 | 0.056 |
| 15 F | 3 | 0.000 | 0.007 | 0.000 | 0.000 | 0.007 | 0.000 | 0.007 | 0.000 | 0.022 | 0.058 | 0.080 | 0.066 | 0.117 | 0.139 | 0.095 | 0.102 |
| 16 F | 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.250 | 0.250 | 0.000 | 0.250 | 0.000 | 0.250 | 0.000 |
| 17 R1 | 3 | 0.018 | 0.018 | 0.009 | 0.007 | 0.007 | 0.005 | 0.009 | 0.002 | 0.009 | 0.018 | 0.014 | 0.011 | 0.005 | 0.002 | 0.014 | 0.009 |
| 18 R1 | 6 | 0.000 | 0.000 | 0.016 | 0.016 | 0.032 | 0.032 | 0.016 | 0.016 | 0.000 | 0.032 | 0.032 | 0.000 | 0.048 | 0.016 | 0.000 | 0.016 |
| 19 R1 | 11 | 0.018 | 0.042 | 0.024 | 0.012 | 0.000 | 0.024 | 0.024 | 0.018 | 0.006 | 0.018 | 0.006 | 0.012 | 0.024 | 0.036 | 0.012 | 0.024 |
| 20 R1 | 21 | 0.021 | 0.034 | 0.004 | 0.004 | 0.004 | 0.008 | 0.004 | 0.025 | 0.000 | 0.021 | 0.021 | 0.008 | 0.000 | 0.013 | 0.000 | 0.021 |
| 21 R1 | 32 | 0.008 | 0.021 | 0.000 | 0.004 | 0.030 | 0.017 | 0.034 | 0.008 | 0.004 | 0.004 | 0.030 | 0.004 | 0.008 | 0.004 | 0.021 | 0.030 |
| 22 R2 | 3 | 0.026 | 0.000 | 0.017 | 0.035 | 0.000 | 0.000 | 0.009 | 0.009 | 0.009 | 0.000 | 0.009 | 0.009 | 0.009 | 0.009 | 0.000 | 0.009 |
| 23 R2 | 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 R2 | 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.125 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 R2 | 21 | 0.000 | 0.000 | 0.000 | 0.062 | 0.000 | 0.000 | 0.125 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 R2 | 32 | 0.080 | 0.040 | 0.040 | 0.000 | 0.000 | 0.040 | 0.000 | 0.000 | 0.000 | 0.200 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 R3 | 3 | 0.026 | 0.000 | 0.051 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.051 | 0.051 | 0.000 | 0.000 | 0.000 |
| 28 R3 | 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 R3 | 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 R3 | 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.400 | 0.000 | 0.000 | 0.000 |
| 31 R3 | 32 | 0.000 | 0.250 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.250 | 0.000 |
| 32 R4 | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.029 | 0.029 | 0.029 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 33 R4 | 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 34 R4 | 11 | 0.143 | 0.143 | 0.000 | 0.000 | 0.143 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.143 | 0.000 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35 | R4 | 21 | 0.000 | 0.222 | 0.111 | 0.222 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.111 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | | | | | | |
| 36 | R4 | 32 | 0.067 | 0.000 | 0.133 | 0.000 | 0.067 | 0.067 | 0.067 | 0.000 | 0.067 | 0.000 | 0.000 | 0.000 | 0.000 | 0.067 | 0.000 | 0.000 | | | | | | | | | | | | | | | |
| 37 | ALL | | 0.015 | 0.016 | 0.013 | 0.009 | 0.009 | 0.010 | 0.011 | 0.010 | 0.012 | 0.018 | 0.020 | 0.021 | 0.024 | 0.019 | 0.024 | 0.029 | | | | | | | | | | | | | | | |

| METBIN | | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | B | 3 | 0.003 | 0.013 | 0.007 | 0.006 | 0.010 | 0.010 | 0.007 | 0.006 | 0.007 | 0.016 | 0.010 | 0.027 | 0.040 | 0.035 | 0.023 | 0.038 |
| 2 | B | 4 | 0.005 | 0.021 | 0.024 | 0.038 | 0.055 | 0.043 | 0.041 | 0.060 | 0.036 | 0.050 | 0.074 | 0.088 | 0.064 | 0.019 | 0.014 | 0.005 |
| 3 | D | 1 | 0.033 | 0.022 | 0.000 | 0.022 | 0.000 | 0.000 | 0.022 | 0.022 | 0.011 | 0.011 | 0.000 | 0.022 | 0.011 | 0.011 | 0.000 | 0.033 |
| 4 | D | 2 | 0.015 | 0.011 | 0.019 | 0.011 | 0.025 | 0.015 | 0.017 | 0.021 | 0.025 | 0.010 | 0.023 | 0.019 | 0.025 | 0.029 | 0.017 | 0.029 |
| 5 | D | 3 | 0.011 | 0.016 | 0.018 | 0.021 | 0.039 | 0.034 | 0.032 | 0.018 | 0.019 | 0.048 | 0.060 | 0.055 | 0.046 | 0.032 | 0.028 | 0.048 |
| 6 | D | 4 | 0.017 | 0.023 | 0.057 | 0.035 | 0.058 | 0.048 | 0.085 | 0.071 | 0.065 | 0.081 | 0.062 | 0.039 | 0.057 | 0.030 | 0.009 | 0.011 |
| 7 | D | 5 | 0.019 | 0.024 | 0.034 | 0.053 | 0.072 | 0.077 | 0.058 | 0.115 | 0.125 | 0.072 | 0.096 | 0.034 | 0.034 | 0.014 | 0.000 | 0.000 |
| 8 | D | 6 | 0.031 | 0.000 | 0.031 | 0.031 | 0.031 | 0.000 | 0.000 | 0.000 | 0.000 | 0.469 | 0.375 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | E | 1 | 0.006 | 0.006 | 0.014 | 0.012 | 0.008 | 0.004 | 0.012 | 0.019 | 0.014 | 0.016 | 0.008 | 0.004 | 0.004 | 0.014 | 0.004 | 0.035 |
| 10 | E | 2 | 0.023 | 0.019 | 0.026 | 0.021 | 0.020 | 0.013 | 0.022 | 0.020 | 0.012 | 0.021 | 0.026 | 0.010 | 0.017 | 0.009 | 0.013 | 0.023 |
| 11 | E | 3 | 0.045 | 0.050 | 0.058 | 0.044 | 0.039 | 0.044 | 0.031 | 0.025 | 0.021 | 0.040 | 0.028 | 0.031 | 0.021 | 0.014 | 0.025 | 0.016 |
| 12 | E | 4 | 0.031 | 0.023 | 0.045 | 0.025 | 0.068 | 0.071 | 0.065 | 0.054 | 0.054 | 0.045 | 0.028 | 0.011 | 0.011 | 0.020 | 0.014 | 0.025 |
| 13 | F | 1 | 0.016 | 0.016 | 0.014 | 0.022 | 0.010 | 0.016 | 0.022 | 0.014 | 0.020 | 0.016 | 0.033 | 0.002 | 0.000 | 0.002 | 0.002 | 0.031 |
| 14 | F | 2 | 0.031 | 0.031 | 0.028 | 0.017 | 0.029 | 0.011 | 0.020 | 0.015 | 0.023 | 0.013 | 0.013 | 0.012 | 0.013 | 0.001 | 0.004 | 0.025 |
| 15 | F | 3 | 0.044 | 0.044 | 0.015 | 0.015 | 0.022 | 0.007 | 0.007 | 0.029 | 0.000 | 0.015 | 0.000 | 0.007 | 0.007 | 0.000 | 0.007 | 0.007 |
| 16 | F | 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 | R1 | 3 | 0.005 | 0.007 | 0.007 | 0.014 | 0.009 | 0.009 | 0.009 | 0.011 | 0.016 | 0.018 | 0.025 | 0.027 | 0.020 | 0.018 | 0.007 | 0.039 |
| 18 | R1 | 6 | 0.000 | 0.000 | 0.016 | 0.000 | 0.016 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.016 | 0.000 | 0.032 | 0.000 | 0.016 | 0.032 |
| 19 | R1 | 11 | 0.000 | 0.018 | 0.006 | 0.006 | 0.006 | 0.006 | 0.000 | 0.018 | 0.012 | 0.024 | 0.006 | 0.000 | 0.012 | 0.012 | 0.012 | 0.006 |
| 20 | R1 | 21 | 0.004 | 0.008 | 0.000 | 0.017 | 0.013 | 0.004 | 0.021 | 0.013 | 0.021 | 0.017 | 0.034 | 0.013 | 0.021 | 0.017 | 0.008 | 0.025 |
| 21 | R1 | 32 | 0.008 | 0.017 | 0.008 | 0.000 | 0.013 | 0.008 | 0.021 | 0.000 | 0.013 | 0.021 | 0.004 | 0.004 | 0.017 | 0.021 | 0.034 | 0.021 |
| 22 | R2 | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 | 0.009 | 0.000 | 0.009 | 0.035 | 0.009 | 0.009 | 0.009 | 0.000 | 0.017 |
| 23 | R2 | 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | R2 | 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.125 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | R2 | 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.063 | 0.000 | 0.000 | 0.063 | 0.000 | 0.000 | 0.000 |
| 26 | R2 | 32 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | R3 | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.026 | 0.000 | 0.000 | 0.103 | 0.026 | 0.026 | 0.026 | 0.051 | 0.000 | 0.103 |
| 28 | R3 | 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | R3 | 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.333 | 0.000 | 0.000 | 0.000 | 0.000 | 0.333 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | R3 | 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.200 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | R3 | 32 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 32 | R4 | 3 | 0.029 | 0.000 | 0.000 | 0.000 | 0.000 | 0.029 | 0.000 | 0.000 | 0.000 | 0.059 | 0.088 | 0.029 | 0.000 | 0.029 | 0.059 | 0.000 |
| 33 | R4 | 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 34 | R4 | 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 35 | R4 | 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 36 | R4 | 32 | 0.000 | 0.000 | 0.000 | 0.133 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 37 | ALL | | 0.018 | 0.020 | 0.025 | 0.021 | 0.028 | 0.023 | 0.028 | 0.026 | 0.025 | 0.032 | 0.032 | 0.024 | 0.025 | 0.017 | 0.013 | 0.025 |

| METBIN | | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | B | 3 | 0.024 | 0.048 | 0.045 | 0.049 | 0.021 | 0.018 | 0.017 | 0.008 | 0.007 | 0.020 | 0.024 | 0.018 | 0.024 | 0.020 | 0.023 | 0.028 |
| 2 | B | 4 | 0.000 | 0.019 | 0.010 | 0.010 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | D | 1 | 0.000 | 0.022 | 0.000 | 0.044 | 0.033 | 0.022 | 0.033 | 0.011 | 0.000 | 0.022 | 0.033 | 0.022 | 0.044 | 0.022 | 0.044 | 0.056 |
| 4 | D | 2 | 0.019 | 0.044 | 0.040 | 0.031 | 0.029 | 0.013 | 0.015 | 0.006 | 0.006 | 0.015 | 0.010 | 0.008 | 0.013 | 0.004 | 0.013 | 0.013 |
| 5 | D | 3 | 0.027 | 0.016 | 0.032 | 0.007 | 0.007 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | D | 4 | 0.011 | 0.012 | 0.024 | 0.001 | 0.001 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | D | 5 | 0.000 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | D | 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | E | 1 | 0.012 | 0.008 | 0.010 | 0.023 | 0.006 | 0.004 | 0.006 | 0.006 | 0.008 | 0.012 | 0.008 | 0.004 | 0.027 | 0.019 | 0.029 | 0.025 |
| 10 | E | 2 | 0.011 | 0.011 | 0.017 | 0.006 | 0.009 | 0.008 | 0.003 | 0.002 | 0.000 | 0.005 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | 0.008 |
| 11 | E | 3 | 0.009 | 0.004 | 0.008 | 0.006 | 0.004 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | E | 4 | 0.017 | 0.011 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | F | 1 | 0.000 | 0.006 | 0.002 | 0.018 | 0.002 | 0.000 | 0.002 | 0.000 | 0.000 | 0.002 | 0.008 | 0.002 | 0.014 | 0.004 | 0.016 | 0.022 |
| 14 | F | 2 | 0.001 | 0.000 | 0.000 | 0.003 | 0.001 | 0.001 | 0.000 | 0.001 | 0.000 | 0.000 | 0.001 | 0.004 | 0.000 | 0.000 | 0.001 | 0.004 |
| 15 | F | 3 | 0.007 | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 | F | 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 | R1 | 3 | 0.025 | 0.075 | 0.018 | 0.011 | 0.020 | 0.011 | 0.016 | 0.007 | 0.005 | 0.020 | 0.020 | 0.011 | 0.011 | 0.011 | 0.005 | 0.016 |
| 18 | R1 | 6 | 0.000 | 0.016 | 0.032 | 0.000 | 0.000 | 0.016 | 0.000 | 0.032 | 0.032 | 0.000 | 0.048 | 0.032 | 0.016 | 0.000 | 0.032 | 0.016 |
| 19 | R1 | 11 | 0.036 | 0.018 | 0.018 | 0.012 | 0.012 | 0.006 | 0.006 | 0.006 | 0.012 | 0.006 | 0.012 | 0.006 | 0.006 | 0.006 | 0.012 | 0.018 |
| 20 | R1 | 21 | 0.017 | 0.034 | 0.013 | 0.017 | 0.004 | 0.008 | 0.004 | 0.008 | 0.004 | 0.004 | 0.013 | 0.004 | 0.013 | 0.008 | 0.025 | 0.030 |
| 21 | R1 | 32 | 0.008 | 0.025 | 0.021 | 0.013 | 0.008 | 0.000 | 0.008 | 0.013 | 0.004 | 0.004 | 0.000 | 0.008 | 0.004 | 0.000 | 0.021 | 0.030 |
| 22 | R2 | 3 | 0.000 | 0.017 | 0.035 | 0.026 | 0.026 | 0.017 | 0.017 | 0.026 | 0.000 | 0.017 | 0.009 | 0.009 | 0.009 | 0.017 | 0.043 | 0.052 |
| 23 | R2 | 6 | 0.250 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.250 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 24 | R2 | 11 | 0.000 | 0.000 | 0.125 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 25 | R2 | 21 | 0.000 | 0.063 | 0.000 | 0.000 | 0.063 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 26 | R2 | 32 | 0.000 | 0.040 | 0.000 | 0.040 | 0.040 | 0.040 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 27 | R3 | 3 | 0.026 | 0.000 | 0.000 | 0.000 | 0.026 | 0.000 | 0.026 | 0.000 | 0.000 | 0.026 | 0.000 | 0.026 | 0.000 | 0.000 | 0.000 | 0.000 |
| 28 | R3 | 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 29 | R3 | 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 30 | R3 | 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 31 | R3 | 32 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 32 | R4 | 3 | 0.000 | 0.029 | 0.029 | 0.000 | 0.029 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 33 | R4 | 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 34 | R4 | 11 | 0.000 | 0.000 | 0.143 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.143 | 0.000 |
| 35 | R4 | 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.111 | 0.111 | 0.000 | 0.000 | 0.000 |
| 36 | R4 | 32 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 37 | ALL | | 0.012 | 0.019 | 0.017 | 0.013 | 0.009 | 0.006 | 0.005 | 0.003 | 0.002 | 0.006 | 0.006 | 0.005 | 0.007 | 0.005 | 0.008 | 0.011 |

| METBIN | | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | TOTAL | PER CENT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | B | 3 | 0.011 | 0.031 | 0.021 | 0.010 | 0.020 | 0.007 | 0.017 | 0.010 | 0.013 | 0.010 | 0.010 | 0.014 | 0.008 | 0.016 | 0.008 | 0.016 | 708 | 8.0822 |
| 2 | B | 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.002 | 0.000 | 0.000 | 0.002 | 0.000 | 0.005 | 0.005 | 0.019 | 0.036 | 0.026 | 419 | 4.7831 |
| 3 | D | 1 | 0.000 | 0.044 | 0.022 | 0.011 | 0.011 | 0.011 | 0.033 | 0.011 | 0.000 | 0.011 | 0.022 | 0.011 | 0.022 | 0.000 | 0.011 | 0.000 | 90 | 1.0274 |
| 4 | D | 2 | 0.017 | 0.006 | 0.002 | 0.010 | 0.010 | 0.011 | 0.017 | 0.015 | 0.011 | 0.011 | 0.017 | 0.019 | 0.019 | 0.015 | 0.013 | 0.019 | 524 | 5.9817 |
| 5 | D | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.005 | 0.009 | 0.000 | 0.016 | 0.027 | 0.021 | 0.023 | 0.028 | 0.018 | 0.028 | 0.030 | 565 | 6.4498 |
| 6 | D | 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.003 | 0.000 | 0.008 | 0.001 | 0.001 | 0.009 | 0.020 | 0.015 | 0.020 | 743 | 8.4817 |
| 7 | D | 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.010 | 0.005 | 0.014 | 0.010 | 208 | 2.3744 |
| 8 | D | 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.031 | 0.000 | 0.000 | 32 | 0.3653 |
| 9 | E | 1 | 0.031 | 0.027 | 0.021 | 0.019 | 0.014 | 0.016 | 0.031 | 0.023 | 0.010 | 0.016 | 0.041 | 0.023 | 0.027 | 0.027 | 0.031 | 0.010 | 486 | 5.5479 |
| 10 | E | 2 | 0.005 | 0.017 | 0.011 | 0.011 | 0.010 | 0.012 | 0.016 | 0.021 | 0.020 | 0.020 | 0.029 | 0.025 | 0.031 | 0.028 | 0.031 | 0.033 | 1029 | 11.7466 |
| 11 | E | 3 | 0.000 | 0.003 | 0.000 | 0.000 | 0.003 | 0.003 | 0.001 | 0.001 | 0.010 | 0.018 | 0.019 | 0.019 | 0.019 | 0.025 | 0.025 | 0.016 | 773 | 8.8242 |
| 12 | E | 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.003 | 0.003 | 0.000 | 0.006 | 0.003 | 0.003 | 0.008 | 0.014 | 0.014 | 0.034 | 0.065 | 354 | 4.0411 |
| 13 | F | 1 | 0.045 | 0.035 | 0.043 | 0.006 | 0.061 | 0.012 | 0.025 | 0.004 | 0.000 | 0.008 | 0.012 | 0.024 | 0.006 | 0.006 | 0.012 | 0.000 | 510 | 5.8219 |
| 14 | F | 2 | 0.004 | 0.013 | 0.009 | 0.007 | 0.011 | 0.005 | 0.009 | 0.004 | 0.001 | 0.009 | 0.000 | 0.005 | 0.007 | 0.005 | 0.007 | 0.003 | 750 | 8.5616 |
| 15 | F | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.015 | 0.000 | 0.000 | 0.015 | 0.007 | 0.007 | 0.007 | 137 | 1.5639 |
| 16 | F | 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 4 | 0.0457 |
| 17 | R1 | 3 | 0.007 | 0.005 | 0.005 | 0.023 | 0.020 | 0.011 | 0.011 | 0.023 | 0.018 | 0.023 | 0.029 | 0.027 | 0.034 | 0.025 | 0.039 | 0.020 | 441 | 5.0342 |
| 18 | R1 | 6 | 0.063 | 0.000 | 0.016 | 0.016 | 0.000 | 0.000 | 0.000 | 0.063 | 0.000 | 0.000 | 0.048 | 0.032 | 0.016 | 0.016 | 0.032 | 0.016 | 63 | 0.7192 |
| 19 | R1 | 11 | 0.030 | 0.006 | 0.018 | 0.018 | 0.018 | 0.018 | 0.012 | 0.030 | 0.030 | 0.012 | 0.042 | 0.030 | 0.024 | 0.018 | 0.018 | 0.024 | 165 | 1.8836 |
| 20 | R1 | 21 | 0.025 | 0.013 | 0.013 | 0.017 | 0.021 | 0.004 | 0.025 | 0.013 | 0.038 | 0.059 | 0.017 | 0.013 | 0.017 | 0.017 | 0.030 | 0.042 | 236 | 2.6941 |
| 21 | R1 | 32 | 0.025 | 0.017 | 0.008 | 0.013 | 0.038 | 0.021 | 0.021 | 0.017 | 0.038 | 0.051 | 0.038 | 0.017 | 0.008 | 0.021 | 0.034 | 0.025 | 237 | 2.7055 |
| 22 | R2 | 3 | 0.000 | 0.000 | 0.009 | 0.017 | 0.035 | 0.000 | 0.017 | 0.052 | 0.043 | 0.017 | 0.009 | 0.052 | 0.070 | 0.026 | 0.043 | 0.043 | 115 | 1.3128 |
| 23 | R2 | 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.250 | 0.000 | 0.000 | 4 | 0.0457 |
| 24 | R2 | 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.125 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.250 | 0.000 | 8 | 0.0913 |
| 25 | R2 | 21 | 0.000 | 0.000 | 0.000 | 0.000 | 0.063 | 0.063 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.188 | 0.125 | 0.063 | 0.063 | 16 | 0.1826 |
| 26 | R2 | 32 | 0.000 | 0.000 | 0.040 | 0.000 | 0.000 | 0.000 | 0.000 | 0.080 | 0.000 | 0.000 | 0.000 | 0.080 | 0.120 | 0.040 | 0.000 | 0.080 | 25 | 0.2854 |
| 27 | R3 | 3 | 0.000 | 0.000 | 0.051 | 0.000 | 0.000 | 0.026 | 0.026 | 0.051 | 0.000 | 0.077 | 0.000 | 0.000 | 0.000 | 0.051 | 0.026 | 0.026 | 39 | 0.4452 |
| 28 | R3 | 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.000 | 1 | 0.0114 |
| 29 | R3 | 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.333 | 0.000 | 0.000 | 3 | 0.0342 |

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30 R3 21  0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.200 0.000 0.000 0.200 0.000      5    0.0571
31 R3 32  0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.250 0.000 0.000      4    0.0457
32 R4  3  0.059 0.000 0.000 0.000 0.000 0.000 0.029 0.029 0.029 0.000 0.029 0.088 0.000 0.029 0.147 0.059     34    0.3881
33 R4  6  0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000      1    0.0114
34 R4 11  0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000      7    0.0799
35 R4 21  0.000 0.111 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000      9    0.1027
36 R4 32  0.133 0.067 0.000 0.000 0.000 0.000 0.000 0.067 0.000 0.000 0.000 0.000 0.000 0.067 0.000 0.000 0.000     15    0.1712
37 ALL    0.010 0.012 0.009 0.007 0.013 0.008 0.012 0.011 0.011 0.016 0.016 0.017 0.018 0.019 0.023 0.021   8760   100.0000


                    * * * * METEOROLOGICAL BIN SUMMARY * * * *
 BIN PRIORITIES
  RI XX - RAIN INTENSITY I WITHIN THE INTERVAL ENDING AT XX
        INTERVAL ENDPOINTS ARE IN KILOMETERS FROM THE ACCIDENT SITE, THE 5 INTERVAL ENDPOINTS ARE    3  6  11  21  32
        RAIN INTENSITIES ARE IN MILLIMETERS OF RAIN PER HOUR, THE 3 INTENSITY BREAKPOINTS ARE         2.0  4.0  6.0
  S   V - INITIAL WEATHER CONDITIONS WITH STABILITY CLASS S AND WIND SPEED INTERVAL V
        STABILITY CLASSES ARE B = A/B, D = C/D, E = E, AND F = F
        WIND SPEED INTERVALS ARE IN METERS PER SECOND (M/S), 1 (0-1), 2 (1-2), 3 (2-3), 4 (3-5), 5 (5-7), 6 (GT 7)

                         WIND DIRECTION


 METBIN    1   2   3   4   5   6   7   8   9  10  11  12  13  14  15  16
 1 B   3  12   7   3   8   3   0   2   6   3   7   7   5   3   5   8  11
 2 B   4   7   6   5   7   2   3   6   7   4   5   2   7   4   6  11  12
 3 D   1   0   0   0   0   0   1   1   1   0   2   1   2   2   0   0   3
 4 D   2   9  11   7   5   6   5   5   4   3   4   4   6   6  11  10   7
 5 D   3   7  12   6   7   6   4   5   3   6   3   5   3   7   4   7  15
 6 D   4   3   4   2   3   6   2   2   4   8   3   6   8  10   8  10  11
 7 D   5   0   0   0   0   0   0   0   0   0   0   1   0   2   1   8  15
 8 D   6   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
 9 E   1  11  14  15   2   4  18   6   3   8   5   9   7   2   4   5   5
10 E   2  29  31  22  11  14  11  12  14  10  14  18  26  23  15  23  31
11 E   3   8  10   6   7   4   3   3   4   7  17  21  23  24  18  26  31
12 E   4   3   4   1   2   2   0   3   2   4   3   4   3  10   6  12  20
13 F   1   9   6  21  11   7  12  16   5  14  16  13  12  10  11  14  13
14 F   2   4   3  12   4   7  14   9  20  22  43  45  58  72  41  50  42
15 F   3   0   1   0   0   1   0   1   0   3   8  11   9  16  19  13  14
16 F   4   0   0   0   0   0   0   0   0   0   1   1   0   1   0   1   0
17 R1  3   8   8   4   3   3   2   4   1   4   8   6   5   2   1   6   4
18 R1  6   0   0   1   1   2   2   1   1   0   2   2   0   3   1   0   1
19 R1 11   3   7   4   2   0   4   4   3   1   3   1   2   4   6   2   4
20 R1 21   5   8   1   1   1   2   1   6   0   5   5   2   0   3   0   5
21 R1 32   2   5   0   1   7   4   8   2   1   1   7   1   2   1   5   7
22 R2  3   3   0   2   4   0   0   1   1   1   0   1   1   1   0   1   0
23 R2  6   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
24 R2 11   0   0   0   0   0   0   0   0   1   0   0   0   0   0   0   0
25 R2 21   0   0   0   1   0   0   2   0   0   0   0   0   0   0   0   0
26 R2 32   2   1   1   0   0   1   0   0   0   5   0   0   0   0   0   0
27 R3  3   1   0   2   0   0   0   0   0   0   0   0   2   2   0   0   0
28 R3  6   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
29 R3 11   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
30 R3 21   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
31 R3 32   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   1
32 R4  3   0   0   0   0   0   0   1   1   1   0   0   0   0   0   0   0
33 R4  6   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
34 R4 11   1   1   0   0   1   0   0   0   0   0   0   0   0   0   1   0
35 R4 21   0   2   1   2   0   0   0   0   0   0   1   0   0   0   0   0
36 R4 32   1   0   2   0   1   1   1   0   1   0   0   0   0   1   0   0

 METBIN   17  18  19  20  21  22  23  24  25  26  27  28  29  30  31  32
 1 B   3   2   9   5   4   7   7   5   4   5  11   7  19  28  25  16  27
 2 B   4   2   9  10  16  23  18  17  25  15  21  31  37  27   8   6   2
 3 D   1   3   2   0   2   0   0   2   2   1   1   0   2   1   1   0   3
 4 D   2   8   6  10   6  13   8   9  11  13   5  12  10  13  15   9  15
 5 D   3   6   9  10  12  22  19  18  10  11  27  34  31  26  18  16  27
 6 D   4  13  17  42  26  43  36  63  53  48  60  46  29  42  22   7   8
 7 D   5   4   5   7  11  15  16  12  24  26  15  20   7   7   3   0   0
 8 D   6   1   0   1   1   1   0   0   0   0  15  12   0   0   0   0   0
 9 E   1   3   3   7   6   4   2   6   9   7   8   4   2   2   7   2  17
10 E   2  24  20  27  22  21  13  23  21  12  22  27  10  18   9  13  24
11 E   3  35  39  45  34  30  34  24  19  16  31  22  24  16  11  19  12
12 E   4  11   8  16   9  24  25  23  19  19  16  10   4   4   7   5   9
13 F   1   8   8   7  11   5   8  11   7  10   8  17   1   0   1   1  16
14 F   2  23  23  21  13  22   8  15  11  17  10  10   9  10   1   3  19
15 F   3   6   6   2   2   3   1   1   4   0   2   0   1   1   0   1   1
16 F   4   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
17 R1  3   2   3   3   6   4   4   4   5   7   8  11  12   9   8   3  17
18 R1  6   0   0   1   0   1   1   0   0   0   0   1   0   2   0   1   2
19 R1 11   0   3   1   1   1   0   3   2   4   1   0   2   2   2   1   2
20 R1 21   1   2   0   4   3   1   5   3   5   4   8   3   5   4   2   6
21 R1 32   2   4   2   0   3   2   5   0   3   5   1   1   4   5   8   5
22 R2  3   0   0   0   0   1   0   0   1   0   1   4   1   1   1   0   2
23 R2  6   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
24 R2 11   0   0   0   0   0   0   0   0   0   0   1   0   0   0   0   0
25 R2 21   0   0   0   0   0   0   0   0   0   1   0   0   1   0   0   0
26 R2 32   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
27 R3  3   0   0   0   0   0   0   1   0   0   4   1   1   1   2   0   4
28 R3  6   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
29 R3 11   0   0   0   0   1   0   0   0   0   1   0   0   0   0   0   0
30 R3 21   0   0   0   0   0   1   0   0   0   0   0   0   0   0   0   0
31 R3 32   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
32 R4  3   1   0   0   0   0   1   0   0   0   2   3   1   0   1   2   0
33 R4  6   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
34 R4 11   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
35 R4 21   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
36 R4 32   0   0   0   2   0   0   0   0   0   0   0   0   0   0   0   0

 METBIN   33  34  35  36  37  38  39  40  41  42  43  44  45  46  47  48
 1 B   3  17  34  32  35  15  13  12   6   5  14  17  13  17  14  16  20
 2 B   4   0   8   4   4   1   0   0   0   0   0   0   0   0   0   0
 3 D   1   0   2   0   4   3   2   3   1   0   2   3   2   4   2   4   5
 4 D   2  10  23  21  16  15   7   8   3   3   8   5   4   7   2   7   7
 5 D   3  15   9  18   4   4   3   0   0   0   0   0   0   0   0   0   0
 6 D   4   8   9  18   1   1   0   1   0   0   0   0   0   0   0   0   0
 7 D   5   0   1   0   0   0   0   0   0   0   0   0   0   0   0   0   0
 8 D   6   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
 9 E   1   6   4   5  11   3   2   3   3   4   6   4   2  13   9  14  12
10 E   2  11  11  17   6   9   8   3   2   0   5   2   2   2   1   2   8
11 E   3   7   3   6   5   3   1   0   0   0   0   0   0   0   0   0   0
12 E   4   6   4   2   0   0   0   0   0   0   0   0   0   0   0   0   0
13 F   1   0   3   1   9   1   0   1   0   0   1   4   1   7   2   8  11
```

```
14 F  2   1   0   0   2   1   1   0   1   0   0   1   3   0   0   1   3
15 F  3   1   0   0   1   0   0   0   0   0   0   0   0   0   0   0   0
16 F  4   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
17 R1  3  11  33   8   5   9   5   7   3   2   9   9   5   5   5   2   7
18 R1  6   0   1   2   0   0   1   0   2   2   0   3   2   1   0   2   1
19 R1 11   6   3   3   2   2   1   1   1   2   1   2   1   1   1   2   3
20 R1 21   4   8   3   4   1   2   1   2   1   1   3   1   3   2   6   7
21 R1 32   2   6   5   3   2   0   2   3   1   1   0   2   1   0   5   7
22 R2  3   0   2   4   3   3   2   2   3   0   2   1   1   1   2   5   6
23 R2  6   1   0   0   0   0   0   0   0   0   0   1   0   0   0   0   0
24 R2 11   0   0   1   0   0   0   0   0   0   0   0   0   0   0   0   0
25 R2 21   0   1   0   0   1   0   0   0   0   0   0   0   0   0   0   0
26 R2 32   0   1   0   1   1   1   0   0   0   0   0   0   0   0   0   0
27 R3  3   1   0   0   0   1   0   1   0   0   1   0   1   0   0   0   0
28 R3  6   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
29 R3 11   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
30 R3 21   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
31 R3 32   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
32 R4  3   0   1   1   0   1   0   0   0   0   0   0   0   0   0   0   0
33 R4  6   0   0   0   0   0   0   0   0   0   0   1   0   0   0   0   0
34 R4 11   0   0   1   0   0   0   0   0   0   0   0   0   0   1   0   1
35 R4 21   0   0   0   0   0   0   0   0   0   0   0   0   1   1   0   0
36 R4 32   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0

  METBIN   49   50   51   52   53   54   55   56   57   58   59   60   61   62   63   64 TOTAL   PER CENT
 1 B  3    8  22  15   7  14   5  12   7   9   7   7  10   6  11   6  11 708     8.0822
 2 B  4    0   0   0   0   0   1   1   0   0   1   0   2   2   8  15  11 419     4.7831
 3 D  1    0   4   2   1   1   1   3   1   0   1   2   1   2   0   1   0  90     1.0274
 4 D  2    9   3   1   5   5   6   9   8   6   6   9  10  10   8   7  10 524     5.9817
 5 D  3    0   0   0   0   0   0   3   5   0   9  15  12  13  16  10  16  17 565     6.4498
 6 D  4    0   0   0   0   0   0   1   1   2   0   6   1   1   7  15  11  15 743     8.4817
 7 D  5    0   0   0   0   0   0   0   0   0   0   0   0   0   2   1   3   2 208     2.3744
 8 D  6    0   0   0   0   0   0   0   0   0   0   0   0   0   1   0   0  32     0.3653
 9 E  1   15  13  10   9   7   8  15  11   5   8  20  11  13  13  15   5 486     5.5479
10 E  2    5  18  11  11  10  12  16  22  21  21  30  26  32  29  32  34 1029    11.7466
11 E  3    0   2   0   0   2   2   1   1   8  14  15  15  15  19  19  12 773     8.8242
12 E  4    0   0   0   0   0   0   1   1   0   2   1   1   3   5   5  12  23 354     4.0411
13 F  1   23  18  22   3  31   6  13   2   0   4   6  12   3   3   6   0 510     5.8219
14 F  2    3  10   7   5   8   4   7   3   1   7   0   4   5   4   5   2 750     8.5616
15 F  3    0   0   0   0   1   0   0   0   0   2   0   0   2   1   1   1 137     1.5639
16 F  4    0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   4     0.0457
17 R1  3   3   2   2  10   9   5   5  10   8  10  13  12  15  11  17   9 441     5.0342
18 R1  6   4   0   1   1   0   0   0   4   0   0   3   2   1   1   2   1  63     0.7192
19 R1 11   5   1   3   3   3   3   2   5   5   2   7   5   4   3   3   4 165     1.8836
20 R1 21   6   3   3   4   5   1   6   3   9  14   4   3   4   4   7  10 236     2.6941
21 R1 32   6   4   2   3   9   5   5   4   9  12   9   4   2   5   8   6 237     2.7055
22 R2  3   0   0   1   2   4   0   2   6   5   2   1   6   8   3   5   5 115     1.3128
23 R2  6   0   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   4     0.0457
24 R2 11   0   0   0   0   0   0   0   1   0   0   0   0   0   2   0   2   8     0.0913
25 R2 21   0   0   0   0   1   1   0   0   0   0   0   3   2   1   1   0  16     0.1826
26 R2 32   0   0   1   0   0   0   0   2   0   0   0   2   3   1   0   2  25     0.2854
27 R3  3   0   0   2   0   0   1   1   2   0   3   0   0   0   2   1   1  39     0.4452
28 R3  6   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   1   1     0.0114
29 R3 11   0   0   0   0   0   0   0   0   0   0   0   0   0   1   0   0   3     0.0342
30 R3 21   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0   5     0.0571
31 R3 32   0   0   0   0   0   0   0   0   0   0   0   0   0   1   0   0   4     0.0457
32 R4  3   2   0   0   0   0   0   1   1   1   0   1   3   0   1   5   2  34     0.3881
33 R4  6   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   1     0.0114
34 R4 11   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   7     0.0799
35 R4 21   0   1   0   0   0   0   0   0   0   0   0   0   0   0   0   9     0.1027
36 R4 32   2   1   0   0   0   0   0   1   0   0   0   0   0   1   0   0    0.1712


          * * * * SUMMARIES * * * *

  R     26  33  18  15  15  16  23  15  10  24  23  15  14  14  15  22
  B     19  13   8  15   5   3   8  13   7  12   9  12   7  11  19  23
  D     19  27  15  15  18  12  13  12  17  12  17  19  27  24  35  51
  E     51  59  44  22  24  32  24  23  29  39  52  59  59  43  66  87
  F     13  10  33  15  15  26  26  25  39  68  70  79  99  71  78  69
    1   20  20  37  14  11  31  23   9  22  23  23  21  14  15  19  24
    2   45  46  42  20  27  30  27  38  37  67  73  92 103  67  86  85
    3   24  29  13  21  14   7  10  13  17  29  38  38  48  46  51  63
    4   11  14   8  10   9   4  11  11  16   9  13  17  22  15  27  39
    5    2   0   0   2   1   1   0   1   0   2   1   1   5   6  14  19
    6    0   0   0   0   0   0   0   1   0   1   0   0   0   0   1   0

  R      6  12   7  13  14  10  18  11  19  27  30  21  25  23  17  38
  B      4  18  15  20  30  25  22  29  20  32  38  56  55  33  22  29
  D     35  39  70  58  94  79 104 100  99 123 124  79  89  59  32  53
  E     73  70  95  71  79  74  76  68  54  77  63  40  40  34  39  62
  F     37  37  30  26  30  17  27  22  27  20  27  11  11   2   5  36
    1   14  14  15  19  10  10  20  18  19  17  21   5   3  10   3  36
    2   56  51  59  43  57  32  48  45  43  40  51  31  48  32  30  64
    3   48  60  60  50  60  58  46  35  30  68  61  73  64  46  47  61
    4   25  31  67  47  79  74 100  90  75  95  79  67  72  37  18  19
    5    5   8   8  15  24  21  15  31  32  17  27  10   8   3   0   0
    6    1   0   1   1   3   0   0   0   1  15  13   0   0   0   0   0

  R     25  56  28  18  21  12  14  14   8  15  20  14  13  11  22  32
  B     17  42  36  39  16  13  12   6   5  14  17  13  17  14  16  20
  D     33  44  57  25  23  12  12   4   3  10   8   6  11   4  11  12
  E     30  22  30  22  15  11   6   5   4  11   6   4  15  10  16  20
  F      2   3   1  12   2   1   1   1   0   1   5   4   7   2   9  14
    1    6   9   6  29   7   4   8   4   4  10  11   8  25  14  26  28
    2   34  41  50  39  37  27  21  12   8  26  25  19  25  16  26  38
    3   28  39  44  25  10   6   1   0   0   0   0   0   0   0   0   0
    4   14  21  24   5   2   0   1   0   0   0   0   0   0   0   0   0
    5    0   1   0   0   0   0   0   0   0   0   0   0   0   0   0   0
    6    0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0

  R     28  12  15  23  31  16  22  39  37  43  38  41  40  37  50  44 1428   16.3014
  B      8  22  15   7  14   6  13   7   9   8   7  12   8  19  21  22 1127   12.8653
  D      9   7   3   6   6  11  18  11  15  28  24  25  37  35  38  44 2162   24.6804
  E     20  33  21  20  19  23  33  34  36  44  66  55  65  66  78  74 2642   30.1598
  F     26  28  29   8  40  10  20   5   1  13   6  16  10   8  12   3 1401   15.9932
    1   38  38  35  13  39  15  33  15   5  13  31  24  18  16  22   5 1119   12.7740
    2   24  50  33  27  32  23  40  38  32  37  40  42  50  43  47  47 2664   30.4110
    3    1   2   0   1   8   9   8   2  22  35  30  36  36  39  39  40 1789   20.4224
    4    0   0   0   0   0   3   3   2   2   8   2   6  13  27  38  46 1428   16.3014
    5    0   0   0   0   0   0   0   0   0   0   0   0   3   2   3   5  293    3.3447
    6    0   0   0   0   0   0   0   0   0   0   0   0   0   1   0   0   39    0.4452
```

* * * * * BIN WINDROSE SUMMARY * * * * *

BIN DIRECTION

| BIN | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.017 | 0.010 | 0.004 | 0.011 | 0.004 | 0.000 | 0.003 | 0.008 | 0.004 | 0.010 | 0.010 | 0.007 | 0.004 | 0.007 | 0.011 | 0.016 |
| 2 | 0.017 | 0.014 | 0.012 | 0.017 | 0.005 | 0.007 | 0.014 | 0.017 | 0.010 | 0.012 | 0.005 | 0.017 | 0.010 | 0.014 | 0.026 | 0.029 |
| 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.011 | 0.011 | 0.011 | 0.000 | 0.022 | 0.011 | 0.022 | 0.022 | 0.000 | 0.000 | 0.033 |
| 4 | 0.017 | 0.021 | 0.013 | 0.010 | 0.011 | 0.010 | 0.010 | 0.008 | 0.006 | 0.008 | 0.008 | 0.011 | 0.011 | 0.021 | 0.019 | 0.013 |
| 5 | 0.012 | 0.021 | 0.011 | 0.012 | 0.011 | 0.007 | 0.009 | 0.005 | 0.011 | 0.005 | 0.009 | 0.005 | 0.012 | 0.007 | 0.012 | 0.027 |
| 6 | 0.004 | 0.005 | 0.003 | 0.004 | 0.008 | 0.003 | 0.003 | 0.005 | 0.011 | 0.004 | 0.008 | 0.011 | 0.013 | 0.011 | 0.013 | 0.015 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.005 | 0.000 | 0.010 | 0.005 | 0.038 | 0.072 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | 0.023 | 0.029 | 0.031 | 0.004 | 0.008 | 0.037 | 0.012 | 0.006 | 0.016 | 0.010 | 0.019 | 0.014 | 0.004 | 0.008 | 0.010 | 0.010 |
| 10 | 0.028 | 0.030 | 0.021 | 0.011 | 0.014 | 0.011 | 0.012 | 0.014 | 0.010 | 0.014 | 0.017 | 0.025 | 0.022 | 0.015 | 0.022 | 0.030 |
| 11 | 0.010 | 0.013 | 0.008 | 0.009 | 0.005 | 0.004 | 0.004 | 0.005 | 0.009 | 0.022 | 0.027 | 0.030 | 0.031 | 0.023 | 0.034 | 0.040 |
| 12 | 0.008 | 0.011 | 0.003 | 0.006 | 0.006 | 0.000 | 0.008 | 0.006 | 0.011 | 0.008 | 0.011 | 0.008 | 0.028 | 0.017 | 0.034 | 0.056 |
| 13 | 0.018 | 0.012 | 0.041 | 0.022 | 0.014 | 0.024 | 0.031 | 0.010 | 0.027 | 0.031 | 0.025 | 0.024 | 0.020 | 0.022 | 0.027 | 0.025 |
| 14 | 0.005 | 0.004 | 0.016 | 0.005 | 0.009 | 0.019 | 0.012 | 0.027 | 0.029 | 0.057 | 0.060 | 0.077 | 0.096 | 0.055 | 0.067 | 0.056 |
| 15 | 0.000 | 0.007 | 0.000 | 0.000 | 0.007 | 0.000 | 0.007 | 0.000 | 0.022 | 0.058 | 0.080 | 0.066 | 0.117 | 0.139 | 0.095 | 0.102 |
| 16 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.250 | 0.250 | 0.000 | 0.250 | 0.000 | 0.250 | 0.000 |
| 17 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 18 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 19 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 20 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 21 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 22 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 23 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 24 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 25 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 26 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 27 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 28 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 29 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 30 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 31 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 32 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 33 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 34 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 35 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 36 | 0.018 | 0.023 | 0.013 | 0.011 | 0.011 | 0.011 | 0.016 | 0.011 | 0.007 | 0.017 | 0.016 | 0.011 | 0.010 | 0.010 | 0.011 | 0.015 |
| 37 | 0.015 | 0.016 | 0.013 | 0.009 | 0.009 | 0.010 | 0.011 | 0.010 | 0.012 | 0.018 | 0.020 | 0.021 | 0.024 | 0.019 | 0.024 | 0.029 |

| BIN | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.003 | 0.013 | 0.007 | 0.006 | 0.010 | 0.010 | 0.007 | 0.006 | 0.007 | 0.016 | 0.010 | 0.027 | 0.040 | 0.035 | 0.023 | 0.038 |
| 2 | 0.005 | 0.021 | 0.024 | 0.038 | 0.055 | 0.043 | 0.041 | 0.060 | 0.036 | 0.050 | 0.074 | 0.088 | 0.064 | 0.019 | 0.014 | 0.005 |
| 3 | 0.033 | 0.022 | 0.000 | 0.022 | 0.000 | 0.000 | 0.022 | 0.022 | 0.011 | 0.011 | 0.000 | 0.022 | 0.011 | 0.011 | 0.000 | 0.033 |
| 4 | 0.015 | 0.011 | 0.019 | 0.011 | 0.025 | 0.015 | 0.017 | 0.021 | 0.025 | 0.010 | 0.023 | 0.019 | 0.025 | 0.029 | 0.017 | 0.029 |
| 5 | 0.011 | 0.016 | 0.018 | 0.021 | 0.039 | 0.034 | 0.032 | 0.018 | 0.019 | 0.048 | 0.060 | 0.055 | 0.046 | 0.032 | 0.028 | 0.048 |
| 6 | 0.017 | 0.023 | 0.057 | 0.035 | 0.058 | 0.048 | 0.085 | 0.071 | 0.065 | 0.081 | 0.062 | 0.039 | 0.057 | 0.030 | 0.009 | 0.011 |
| 7 | 0.019 | 0.024 | 0.034 | 0.053 | 0.072 | 0.077 | 0.058 | 0.115 | 0.125 | 0.072 | 0.096 | 0.034 | 0.034 | 0.014 | 0.000 | 0.000 |
| 8 | 0.031 | 0.000 | 0.031 | 0.031 | 0.031 | 0.000 | 0.000 | 0.000 | 0.000 | 0.469 | 0.375 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | 0.006 | 0.006 | 0.014 | 0.012 | 0.008 | 0.004 | 0.012 | 0.019 | 0.014 | 0.016 | 0.008 | 0.004 | 0.004 | 0.014 | 0.004 | 0.035 |
| 10 | 0.023 | 0.019 | 0.026 | 0.021 | 0.020 | 0.013 | 0.022 | 0.020 | 0.012 | 0.021 | 0.026 | 0.010 | 0.017 | 0.009 | 0.013 | 0.023 |
| 11 | 0.045 | 0.050 | 0.058 | 0.044 | 0.039 | 0.044 | 0.031 | 0.025 | 0.021 | 0.040 | 0.028 | 0.031 | 0.021 | 0.014 | 0.025 | 0.016 |
| 12 | 0.031 | 0.023 | 0.045 | 0.025 | 0.068 | 0.071 | 0.065 | 0.054 | 0.054 | 0.045 | 0.028 | 0.011 | 0.011 | 0.020 | 0.014 | 0.025 |
| 13 | 0.016 | 0.016 | 0.014 | 0.022 | 0.010 | 0.016 | 0.022 | 0.014 | 0.020 | 0.016 | 0.033 | 0.002 | 0.000 | 0.002 | 0.002 | 0.031 |
| 14 | 0.031 | 0.031 | 0.028 | 0.017 | 0.029 | 0.011 | 0.020 | 0.015 | 0.023 | 0.013 | 0.013 | 0.012 | 0.013 | 0.001 | 0.004 | 0.025 |
| 15 | 0.044 | 0.044 | 0.015 | 0.015 | 0.022 | 0.007 | 0.007 | 0.029 | 0.000 | 0.015 | 0.000 | 0.007 | 0.007 | 0.000 | 0.007 | 0.007 |
| 16 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 18 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 19 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 20 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 21 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 22 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 23 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 24 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 25 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 26 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 27 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 28 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 29 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 30 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 31 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 32 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 33 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 34 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 35 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 36 | 0.004 | 0.008 | 0.005 | 0.009 | 0.010 | 0.007 | 0.013 | 0.008 | 0.013 | 0.019 | 0.021 | 0.015 | 0.018 | 0.016 | 0.012 | 0.027 |
| 37 | 0.018 | 0.020 | 0.025 | 0.021 | 0.028 | 0.023 | 0.028 | 0.026 | 0.025 | 0.032 | 0.032 | 0.024 | 0.025 | 0.017 | 0.013 | 0.025 |

| BIN | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.024 | 0.048 | 0.045 | 0.049 | 0.021 | 0.018 | 0.017 | 0.008 | 0.007 | 0.020 | 0.024 | 0.018 | 0.024 | 0.020 | 0.023 | 0.028 |
| 2 | 0.000 | 0.019 | 0.010 | 0.010 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 3 | 0.000 | 0.022 | 0.000 | 0.044 | 0.033 | 0.022 | 0.033 | 0.011 | 0.000 | 0.022 | 0.033 | 0.022 | 0.044 | 0.022 | 0.044 | 0.056 |
| 4 | 0.019 | 0.044 | 0.040 | 0.031 | 0.029 | 0.013 | 0.015 | 0.006 | 0.006 | 0.015 | 0.010 | 0.008 | 0.013 | 0.004 | 0.013 | 0.013 |
| 5 | 0.027 | 0.016 | 0.032 | 0.007 | 0.007 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 6 | 0.011 | 0.012 | 0.024 | 0.001 | 0.001 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 7 | 0.000 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 9 | 0.012 | 0.008 | 0.010 | 0.023 | 0.006 | 0.004 | 0.006 | 0.006 | 0.008 | 0.012 | 0.008 | 0.004 | 0.027 | 0.019 | 0.029 | 0.025 |
| 10 | 0.011 | 0.011 | 0.017 | 0.006 | 0.009 | 0.008 | 0.003 | 0.002 | 0.000 | 0.005 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | 0.008 |
| 11 | 0.009 | 0.004 | 0.008 | 0.006 | 0.004 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 12 | 0.017 | 0.011 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 13 | 0.000 | 0.006 | 0.002 | 0.018 | 0.002 | 0.000 | 0.002 | 0.000 | 0.000 | 0.002 | 0.008 | 0.002 | 0.014 | 0.004 | 0.016 | 0.022 |
| 14 | 0.001 | 0.000 | 0.000 | 0.003 | 0.001 | 0.001 | 0.000 | 0.001 | 0.000 | 0.000 | 0.001 | 0.004 | 0.000 | 0.000 | 0.001 | 0.004 |
| 15 | 0.007 | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 17 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |
| 18 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |
| 19 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |
| 20 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |
| 21 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |
| 22 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |
| 23 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |
| 24 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |
| 25 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |
| 26 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |
| 27 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |
| 28 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |
| 29 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |
| 30 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |
| 32 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |
| 33 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |
| 34 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |
| 35 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |
| 36 | 0.018 | 0.039 | 0.020 | 0.013 | 0.015 | 0.008 | 0.010 | 0.010 | 0.006 | 0.011 | 0.014 | 0.010 | 0.009 | 0.008 | 0.015 | 0.022 |
| 37 | 0.012 | 0.019 | 0.017 | 0.013 | 0.009 | 0.006 | 0.005 | 0.003 | 0.002 | 0.006 | 0.006 | 0.005 | 0.007 | 0.005 | 0.008 | 0.011 |

| | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.011 | 0.031 | 0.021 | 0.010 | 0.020 | 0.007 | 0.017 | 0.010 | 0.013 | 0.010 | 0.010 | 0.014 | 0.008 | 0.016 | 0.008 | 0.016 | 1.000000 |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.002 | 0.000 | 0.000 | 0.002 | 0.000 | 0.005 | 0.005 | 0.019 | 0.036 | 0.026 | 1.000000 |
| 3 | 0.000 | 0.044 | 0.022 | 0.011 | 0.011 | 0.011 | 0.033 | 0.011 | 0.000 | 0.011 | 0.022 | 0.011 | 0.022 | 0.000 | 0.011 | 0.000 | 1.000000 |
| 4 | 0.017 | 0.006 | 0.002 | 0.010 | 0.010 | 0.011 | 0.017 | 0.015 | 0.011 | 0.011 | 0.017 | 0.019 | 0.019 | 0.015 | 0.013 | 0.019 | 1.000000 |
| 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.005 | 0.009 | 0.000 | 0.016 | 0.027 | 0.021 | 0.023 | 0.028 | 0.018 | 0.028 | 0.030 | 1.000000 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.003 | 0.000 | 0.008 | 0.001 | 0.001 | 0.009 | 0.020 | 0.015 | 0.020 | 1.000000 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.010 | 0.005 | 0.014 | 0.010 | 1.000000 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.031 | 0.000 | 0.000 | 1.000000 |
| 9 | 0.031 | 0.027 | 0.021 | 0.019 | 0.014 | 0.016 | 0.031 | 0.023 | 0.010 | 0.016 | 0.041 | 0.023 | 0.027 | 0.027 | 0.031 | 0.010 | 1.000000 |
| 10 | 0.005 | 0.017 | 0.011 | 0.011 | 0.010 | 0.012 | 0.016 | 0.021 | 0.020 | 0.020 | 0.029 | 0.025 | 0.031 | 0.028 | 0.031 | 0.033 | 1.000000 |
| 11 | 0.000 | 0.003 | 0.000 | 0.000 | 0.003 | 0.003 | 0.001 | 0.001 | 0.010 | 0.018 | 0.019 | 0.019 | 0.019 | 0.025 | 0.025 | 0.016 | 1.000000 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.003 | 0.003 | 0.000 | 0.006 | 0.003 | 0.003 | 0.008 | 0.014 | 0.014 | 0.034 | 0.065 | 1.000000 |
| 13 | 0.045 | 0.035 | 0.043 | 0.006 | 0.061 | 0.012 | 0.025 | 0.004 | 0.000 | 0.008 | 0.012 | 0.024 | 0.006 | 0.006 | 0.012 | 0.000 | 1.000001 |
| 14 | 0.004 | 0.013 | 0.009 | 0.007 | 0.011 | 0.005 | 0.009 | 0.004 | 0.001 | 0.009 | 0.000 | 0.005 | 0.007 | 0.005 | 0.007 | 0.003 | 1.000000 |
| 15 | 0.000 | 0.000 | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.015 | 0.000 | 0.000 | 0.015 | 0.007 | 0.007 | 0.007 | 1.000000 |
| 16 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.000000 |
| 17 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 18 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 19 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 20 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 21 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 22 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 23 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 24 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 25 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 26 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 27 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 28 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 29 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 30 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 31 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 32 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 33 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 34 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 35 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 36 | 0.020 | 0.008 | 0.011 | 0.016 | 0.022 | 0.011 | 0.015 | 0.027 | 0.026 | 0.030 | 0.027 | 0.029 | 0.028 | 0.026 | 0.035 | 0.031 | 1.000000 |
| 37 | 0.010 | 0.012 | 0.009 | 0.007 | 0.013 | 0.008 | 0.012 | 0.011 | 0.011 | 0.016 | 0.016 | 0.017 | 0.018 | 0.019 | 0.023 | 0.021 | 1.000000 |

```
USER INPUT IS READ FROM UNIT 25
RECORD IDENTIFIER FIELDS  11 CHARACTERS LONG ARE EXPECTED.
THE FIRST 499 COLUMNS OF EACH INPUT RECORD ARE PROCESSED.

RECORD
NUMBER                              RECORD

    * File created using WinMACCS version 3.7.0 11/13/2012 11:00:23 AM
    *
    * DCF_FILE_TH - Identifies the DCF file to be used for the MACCS calculation
  1 DCF_FILE001     'C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\Late 30-mile evac\2.4 HighDensity\Data\FGR13GyEquivDCF.INP'
    *
    * EANAM1 - Identifies the EARLY calculation
  2 MIEANAM1001      'OCP2 high density no spray, EARLY input'
    *
    * ENDAT2 - control flag allowing execution of ATMOS and EARLY without CHRONC
  3 MIENDAT2001      .FALSE.
    *
    * IPLUME - dispersion code option
  4 MIIPLUME001      3
    *
    * Form 'Grid Subdivisions' Comment:
    * Value used in NUREG-1150.
    *
    * NUMFIN - number of fine-grid subdivisions used by model
  5 MINUMFIN001      7
    *
    * IPRINT - amount of output desired
  6 MIIPRINT001      0
    *
    * POPFLG - is population uniform or defined by Site Data File.
  7 PDPOPFLG001      FILE
    *
    * ORGNAM_FGR13, ORGFLG_FGR13 - list of organs to be included in the calculations using FGR13 DCF file
  8 MIORGDEF001      A-SKIN  .TRUE.
  9 MIORGDEF002      'A-RED MARR'    .TRUE.
 10 MIORGDEF003      A-LUNGS .TRUE.
 11 MIORGDEF004      A-THYROID       .TRUE.
 12 MIORGDEF005      A-STOMACH       .TRUE.
 13 MIORGDEF006      'A-LOWER LI'    .TRUE.
 14 MIORGDEF007      L-ICRP60ED      .TRUE.
 15 MIORGDEF008      'L-RED MARR'    .TRUE.
 16 MIORGDEF009      'L-BONE SUR'    .TRUE.
 17 MIORGDEF010      L-BREAST        .TRUE.
 18 MIORGDEF011      L-LUNGS .TRUE.
 19 MIORGDEF012      L-THYROID       .TRUE.
 20 MIORGDEF013      'L-LOWER LI'    .TRUE.
 21 MIORGDEF014      'L-BLAD WAL'    .TRUE.
 22 MIORGDEF015      L-LIVER .TRUE.
    *
    * RISCAT - Output relative contribution of each weather category bins
 23 MIRISCAT001      .FALSE.
    *
    * OVRRID - Flag indicating if Wind Rose defaults from ATMOS are to be overridden
 24 MIOVRRID001      .FALSE.
    *
    * CSFACT - Cloudshine shielding factor
 25 SECSFACT001      1.
 26 SECSFACT002      0.6
 27 SECSFACT003      0.5
    *
    * PROTIN - Inhalation protection factor
 28 SEPROTIN001      0.98
 29 SEPROTIN002      0.46
 30 SEPROTIN003      0.33
```

```
     *
     * BRRATE - Breathing rates
  31  SEBRRATE001       2.66E-04
  32  SEBRRATE002      2.66E-04
  33  SEBRRATE003      2.66E-04
     *
     * SKPFAC - skin protection factors
  34  SESKPFAC001      0.98
  35  SESKPFAC002      0.46
  36  SESKPFAC003      0.33
     *
     * GSHFAC - groundshine shielding factors
  37  SEGSHFAC001      0.5
  38  SEGSHFAC002      0.18
  39  SEGSHFAC003      0.1
     *
     * Form 'Emergency Phase Resuspension' Comment:
     * Values from NUREG-1150.
     *
     * RESCON - Initial value for emergency-phase resuspension concentration factor.
  40  SERESCON001      1.E-04
     *
     * RESHAF - Emergency-phase resuspension concentration coefficient weathering half-life.
  41  SERESHAF001      1.82000E+05
     *
     * EANAM2 - Name of emergency response cohort
  42  EZEANAM2001      '0-10 Schools'
     *
     * WTNAME - type of weighting factor to be used in generating weighted sum of results
  43  EZWTNAME001      SUMPOP
     *
     * WTFRAC - weighting fraction applied to results of emergency response cohort
  44  EZWTFRAC001      0.172
     *
     * EVATYP - decides on radial or network evacuation option.
  45  EZEVATYP001      NETWORK
     *
     * TRAVELPOINT - determines whether boundary or centerpoint of destination is evacuee objective.
  46  TRAVELPOINT      CENTERPOINT
     *
     * ESPEED - evacuee travel speed during the three phases of evacuation
  47  EZESPEED001      8.941
  48  EZESPEED002      6.706
  49  EZESPEED003      8.941
     *
     * ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
  50  EZESPMUL001      0.7
  51  EZESPMUL002      0.7
  52  EZESPMUL003      0.7
     *
     * Form 'Phase Durations' Comment:
     * 0-10 Schools
     *
     * REFPNT - Defines reference time point for actions in evacuation ans sheltering zone.
  53  EZREFPNT001      ALARM
     *
     * DURBEG - duration of initial phase (beginning) of evacuation, in seconds.
  54  EZDURBEG001      900.
     *
     * DURMID - duration of middle phase of evacuation, in seconds.
  55  EZDURMID001      7200.
     *
     * NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
  56  EZNUMEVA001      18
     *
     * DLTSHL - delay from reference time point to when individual takes shelter.  DLTEVA - delay elapsing between beginning of shelter period to when individuals begin evacuation.
  57  EZDLTSHL001      900.
  58  EZDLTSHL002      900.
  59  EZDLTSHL003      900.
  60  EZDLTSHL004      900.
  61  EZDLTSHL005      900.
  62  EZDLTSHL006      900.
  63  EZDLTSHL007      900.
  64  EZDLTSHL008      900.
  65  EZDLTSHL009      900.
  66  EZDLTSHL010      900.
  67  EZDLTSHL011      900.
  68  EZDLTSHL012      900.
  69  EZDLTSHL013      900.
  70  EZDLTSHL014      900.
  71  EZDLTSHL015      900.
  72  EZDLTSHL016      900.
  73  EZDLTSHL017      900.
  74  EZDLTSHL018      900.
     *
     * DLTEVA -Delay time to begin evacuation
  75  EZDLTEVA001      4500.
  76  EZDLTEVA002      4500.
  77  EZDLTEVA003      4500.
  78  EZDLTEVA004      4500.
  79  EZDLTEVA005      4500.
  80  EZDLTEVA006      4500.
  81  EZDLTEVA007      4500.
  82  EZDLTEVA008      4500.
  83  EZDLTEVA009      4500.
  84  EZDLTEVA010      4500.
  85  EZDLTEVA011      4500.
  86  EZDLTEVA012      4500.
  87  EZDLTEVA013      4500.
  88  EZDLTEVA014      4500.
  89  EZDLTEVA015      4500.
  90  EZDLTEVA016      4500.
  91  EZDLTEVA017      4500.
  92  EZDLTEVA018      4500.
     *
     * ESPGRD_NET - Evacuation speed multiplier for network evacuation
  93  EZESPGRD001      0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
  94  EZESPGRD002      0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
  95  EZESPGRD003      0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
```

```
  96  EZESPGRD004   0.75  0.75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1.  0.75  0.75  0.75
  97  EZESPGRD005   0.75  0.75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1.  0.75  0.75  0.75
  98  EZESPGRD006   0.75  0.75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1.  0.75  0.75  0.75
  99  EZESPGRD007   0.75  0.75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1.  0.75  0.75  0.75
 100  EZESPGRD008   0.75  0.75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1.  0.75  0.75  0.75
 101  EZESPGRD009   0.75  0.75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1.  0.75  0.75  0.75
 102  EZESPGRD010   0.75  0.75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1.  0.75  0.75  0.75
 103  EZESPGRD011   0.75  0.75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1.  0.75  0.75  0.75
 104  EZESPGRD012   0.75  0.75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1.  0.75  0.75  0.75
 105  EZESPGRD013   0.75  0.75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.  0.75  1.
1. 1. 1. 1. 1.  0.75  0.75  0.75
 106  EZESPGRD014   0.75  0.75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.  1.5  1.5  1.5  1.5  1.5  1.5  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.  0.75
1. 1. 1. 1. 1. 1.  0.75  0.75  0.75
 107  EZESPGRD015   0.75  0.75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.  1.5  1.5  1.5  1. 1. 1. 1. 1.  1.5  1.5  1.5  1.5  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.  0.75
1. 1. 1. 1. 1. 1.  0.75  0.75  0.75
 108  EZESPGRD016   0.75  0.75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1.  0.75  0.75  0.75
 109  EZESPGRD017   0.75  0.75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1.  0.75  0.75  0.75
 110  EZESPGRD018   1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. 1. 1.
 111  EZESPGRD019   1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. 1. 1.
      *
      * IDIREC - destination direction of every spatial element in the evacuation and sheltering region
 112  EZIDIREC001   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1
 113  EZIDIREC002   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1
 114  EZIDIREC003   1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 2 1 4 4 4 4 2 2 2 2 2 1 1 1 4 4 4 4 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 4 1 1
 115  EZIDIREC004   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 2 2 1 1 1 1 4 4 4 2 2 1 4 4 2 1 4 4 2 1 1 4 2 1
4 4 4 4 4 1 1
 116  EZIDIREC005   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 1 1 1 1 1 2 1 4 4 2 2 1 4 4 2 2 1 4 4 2 2 1 4 4 2 1
1 1 1 1 1 1 1
 117  EZIDIREC006   1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 2 1 1 4 2 2 1 2 1 4 4 2 2 1 4 4 4 4 4
4 4 1 1 1 1 1
 118  EZIDIREC007   2 2 1 2 2 1 2 2 1 4 2 1 4 2 2 1 1 1 1 1 1 1 1 1 1 1 2 2 1 4 4 2 1 1 1 1 4 4 2 2 1 1 4 4 1 1 4 1 4 4 4 1 4 4 4 4 4
4 1 1 1 1 1 1
 119  EZIDIREC008   1 4 1 1 4 2 1 4 2 1 1 4 2 2 1 1 2 1 1 1 4 4 4 1 1 1 1 1 1 4 1 4 2 1 4 4 2 1 2 1 2 1 4 2 1 4 2 1 1 4 4 1 4 4 4 2 2
1 1 1 1 1 2 2
 120  EZIDIREC009   1 1 4 2 1 1 2 1 1 4 1 4 1 4 1 1 1 2 1 1 1 4 4 4 1 1 4 1 2 2 2 1 1 2 1 4 2 1 2 1 2 1 1 4 1 4 1 4 4 4 4 1 4 2 1 4 1
4 1 1 1 2 2 2
 121  EZIDIREC010   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 4 4 2 2 2 2 1 2 1 4 4 1 1 1 4 2 1 4 4 2 2 1 1 1 1 1 4
4 4 2 2 1 1 1
 122  EZIDIREC011   1 1 4 2 1 4 2 1 4 4 4 4 2 2 1 4 4 2 2 2 2 2 2 1 4 4 1 1 4 2 2 1 1 1 4 2 1 4 1 4 2 1 4 1 1 2 1 1 4 4 4 2 2 2 1 4 4
4 2 2 1 4 2 2
 123  EZIDIREC012   2 1 1 4 1 1 4 1 4 4 2 1 4 2 1 1 4 4 2 2 2 1 2 1 2 1 2 2 1 4 4 4 4 2 2 2 1 2 1 1 1 1 4 1 1 1 1 4 4 4 2 2 2 2 1 4 2
1 1 2 2 1 4 2
 124  EZIDIREC013   1 1 4 1 4 2 1 1 2 1 4 4 2 2 1 1 1 1 1 1 1 2 1 4 4 4 1 2 1 4 4 4 4 2 2 1 4 4 1 1 4 2 1 1 2 1 2 1 4 4 2 2 2 1 1 4 2
1 4 2 1 4 1 1
 125  EZIDIREC014   1 1 4 1 1 1 2 1 2 1 2 1 1 2 1 1 1 1 1 1 1 4 1 1 1 1 2 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 4 4 2 2 1 1 4 1
4 1 1 1 1 1 1
 126  EZIDIREC015   1 1 4 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 4 4 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 1 2 1 1 1 4 2 1 2 1 1 2 1
1 2 2 2 1 2 1
 127  EZIDIREC016   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1
 128  EZIDIREC017   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1
 129  EZIDIREC018   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1
 130  EZIDIREC019   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1
      *
      * LASMOV - The outermost spatial interval of the evacuation movement zone.
 131  EZLASMOV001     19
      *
      * Form 'Duration of Early Phase' Comment:
      * 1 week.
      *
      * ENDEMP - duration of the emergency-phase period, seconds
 132  SRENDEMP001     6.04800E+05
      *
      * CRIORG - critical organ for relocation decisions during emergency-phase period
 133  SRCRIORG001     L-ICRP60ED
      *
      * Form 'Hot Spot Relocation' Comment:
      * Randy Sullivan recommended these values.  (4 hours for 10 mile evac)
      *
      * TIMHOT - hot-spot relocation action time, seconds after plume arrival
 134  SRTIMHOT001     14400.
      *
      * Form 'Normal Relocation' Comment:
      * Randy Sullivan recommended these values. (8 hours for 10 mile evac)
      *
      *
      * TIMNRM - Normal Relocation Time (Seconds from Plume Arrival)
 135  SRTIMNRM001     57600.
      *
      * DOSHOT - Hot-Spot Relocation Dose Threshold (Sieverts)
 136  SRDOSHOT001     0.05
      *
      * DOSNRM - Normal Relocation Dose Threshold (Sieverts)
 137  SRDOSNRM001     0.01
      *
      * NUMEFA - Number of Early Fatality Effects
 138  EFNUMEFA001     3
      *
      * ORGNAM2, EFFACA, EFFACB, EFFTHR Early Fatality Effects - target organ, alpha factor and beta factor for hazard function, and threshold dose (Sieverts)
 139  EFATAGRP001     'A-RED MARR'   5.6    6.1    2.32
 140  EFATAGRP002     A-LUNGS 23.5   9.6    13.6
 141  EFATAGRP003     A-STOMACH      12.1   9.3    6.5
      *
```

```
    * NUMEIN - Number of Early Injury Effects
142 EINUMEIN001      7
    *
    * ORGNAM3, EINAME, EISUSC, EITHRE, EIFACA, EIFACB Early Injury Effects - name, target organ, affected population fract, threshold dose, alpha factor, beta factor.
143 EINJUGRP001      'PRODROMAL VOMIT'       A-STOMACH       1.      0.5     2.      3.
144 EINJUGRP002      DIARRHEA        A-STOMACH       1.      1.      3.      2.5
145 EINJUGRP003      PNEUMONITIS     A-LUNGS 1.      9.2     16.6    7.3
146 EINJUGRP004      'SKIN ERYTHEMA' A-SKIN  1.      3.      6.      5.
147 EINJUGRP005      TRANSEPIDERMAL  A-SKIN  1.      10.     20.     5.
148 EINJUGRP006      THYROIDITIS     A-THYROID       1.      40.     240.    2.
149 EINJUGRP007      HYPOTHYROIDISM  A-THYROID       1.      2.      60.     1.3
    *
    * Form 'Latent Cancer Parameters' Comment:
    * Risk factors are those recommended by Keith Eckerman to use with a FGR-13 DCF file set modified as follows:
    * Red marrow DCFs have been modified to use a RBE of 1 for alpha radiation; breast DCFs have been modified to use an RBE of 10 for alpha radiation.
    * As a kluge, the organ named bladder wall contains data for the pancreas, which is used as a surrogate for the soft tissue for the purpose of evaluating residual cancers.
    *
    * NUMACA - number of latent cancer effects
150 LCNUMACA001      8
    *
    * ACTHRE - dose threshold for linear dose response, Sieverts
151 LCACTHRE001      0.E+00
    *
    * DDTHRE - dose threshold for applying dose-dependent reduction factor, DDREFA
152 LCDDTHRE001      .2
    *
    * ACNAME, ORGNAM4, ACSUSC, DOSEFA, DOSEFB, CFRISK, CIRISK, DDREFA - Latent Cancer Effects Parameters
153 LCANCERS001      LEUKEMIA        'L-RED MARR'    1.      1.      0.      0.0111  0.0113  2.
154 LCANCERS002      BONE    'L-BONE SUR'    1.      1.      0.      1.9E-04 2.71E-04        2.
155 LCANCERS003      BREAST  L-BREAST        1.      1.      0.      0.00506 0.0101  1.
156 LCANCERS004      LUNG    L-LUNGS 1.      1.      0.      0.0198  0.0208  2.
157 LCANCERS005      THYROID L-THYROID       1.      1.      0.      6.48E-04        0.00648 2.
158 LCANCERS006      LIVER   L-LIVER 1.      1.      0.      0.003   0.00316 2.
159 LCANCERS007      COLON   'L-LOWER LI'    1.      1.      0.      0.0208  0.0378  2.
160 LCANCERS008      RESIDUAL        'L-BLAD WAL'    1.      1.      0.      0.0493  0.169   2.
    *
    * NUM1=0
161 TYPE1NUMBER      0
    *
    * NUM1 - Number of results of type 1
162 TYPE1NUMBER      38
********   RECORD NUMBER   162 REPLACES RECORD NUMBER   161   ********
    *
    * NAME1, I1DIS1, I2DIS1, CCDF1 - Health-Effect Cases
163 TYPE1OUT001      'ERL FAT/TOTAL' 1       12      REPORT
164 TYPE1OUT002      'ERL FAT/TOTAL' 1       19      REPORT
165 TYPE1OUT003      'ERL FAT/TOTAL' 1       26      REPORT
166 TYPE1OUT004      'CAN INJ/TOTAL' 1       12      REPORT
167 TYPE1OUT005      'CAN INJ/TOTAL' 1       15      REPORT
168 TYPE1OUT006      'CAN INJ/TOTAL' 1       17      REPORT
169 TYPE1OUT007      'CAN INJ/TOTAL' 1       18      REPORT
170 TYPE1OUT008      'CAN INJ/TOTAL' 1       19      REPORT
171 TYPE1OUT009      'CAN INJ/TOTAL' 1       21      REPORT
172 TYPE1OUT010      'CAN INJ/TOTAL' 1       23      REPORT
173 TYPE1OUT011      'CAN INJ/TOTAL' 1       25      REPORT
174 TYPE1OUT012      'CAN INJ/TOTAL' 1       26      REPORT
175 TYPE1OUT013      'CAN FAT/TOTAL' 1       12      REPORT
176 TYPE1OUT014      'CAN FAT/TOTAL' 1       15      REPORT
177 TYPE1OUT015      'CAN FAT/TOTAL' 1       17      REPORT
178 TYPE1OUT016      'CAN FAT/TOTAL' 1       18      REPORT
179 TYPE1OUT017      'CAN FAT/TOTAL' 1       19      REPORT
180 TYPE1OUT018      'CAN FAT/TOTAL' 1       21      REPORT
181 TYPE1OUT019      'CAN FAT/TOTAL' 1       23      REPORT
182 TYPE1OUT020      'CAN FAT/TOTAL' 1       25      REPORT
183 TYPE1OUT021      'CAN FAT/TOTAL' 1       26      REPORT
184 TYPE1OUT022      'CAN FAT/THYROID'       1       12      REPORT
185 TYPE1OUT023      'CAN FAT/THYROID'       1       19      REPORT
186 TYPE1OUT024      'CAN FAT/THYROID'       1       21      REPORT
187 TYPE1OUT025      'CAN FAT/THYROID'       1       26      REPORT
188 TYPE1OUT026      'CAN FAT/BREAST'        1       12      REPORT
189 TYPE1OUT027      'CAN FAT/BREAST'        1       19      REPORT
190 TYPE1OUT028      'CAN FAT/BREAST'        1       21      REPORT
191 TYPE1OUT029      'CAN FAT/BREAST'        1       26      REPORT
192 TYPE1OUT030      'CAN FAT/LUNG'  1       12      REPORT
193 TYPE1OUT031      'CAN FAT/LUNG'  1       19      REPORT
194 TYPE1OUT032      'CAN FAT/LUNG'  1       21      REPORT
195 TYPE1OUT033      'CAN FAT/LUNG'  1       26      REPORT
196 TYPE1OUT034      'CAN FAT/LEUKEMIA'      1       26      REPORT
197 TYPE1OUT035      'CAN FAT/BONE'  1       26      REPORT
198 TYPE1OUT036      'CAN FAT/LIVER' 1       26      REPORT
199 TYPE1OUT037      'CAN FAT/COLON' 1       26      REPORT
200 TYPE1OUT038      'CAN FAT/RESIDUAL'      1       26      REPORT
    *
    * NUM2=0
201 TYPE2NUMBER      0
    *
    * NUM2 - Number of results of type 2
202 TYPE2NUMBER      1
********   RECORD NUMBER   202 REPLACES RECORD NUMBER   201   ********
    *
    * RISTHR, CCDF2  - Early-Fatality Radius
203 TYPE2OUT001      0.      NONE
    *
    * NUM3=0
204 TYPE3NUMBER      0
    *
    * NUM3 - Number of results of type 3
205 TYPE3NUMBER      3
********   RECORD NUMBER   205 REPLACES RECORD NUMBER   204   ********
    *
    * NAME3, DOSTH3, CCDF3 - Population Exceeding a Dose Threshold
206 TYPE3OUT001      'A-RED MARR'    2.32    NONE
207 TYPE3OUT002      A-LUNGS 13.6    NONE
208 TYPE3OUT003      A-STOMACH       6.5     NONE
    *
    * NUM4=0
209 TYPE4NUMBER      0
    *
    * NUM5 =0
210 TYPE5NUMBER      0
    *
    * NUM5 - Number of results of type 5
```

```
 211  TYPE5NUMBER      4
********   RECORD NUMBER   211 REPLACES RECORD NUMBER   210   ********
     *
     * NAME5, I1DIS5, CCDF5 - Population Dose
 212  TYPE5OUT001     L-ICRP60ED      1       12      REPORT
 213  TYPE5OUT002     L-ICRP60ED      1       19      REPORT
 214  TYPE5OUT003     L-ICRP60ED      1       21      REPORT
 215  TYPE5OUT004     L-ICRP60ED      1       26      REPORT
     *
     * NUM6 =0
 216  TYPE6NUMBER      0
     *
     * NUM7=0
 217  TYPE7NUMBER      0
     *
     * NUM8=0
 218  TYPE8NUMBER      0
     *
     * NUM8 - Number of results of type 8
 219  TYPE8NUMBER      17
********   RECORD NUMBER   219 REPLACES RECORD NUMBER   218   ********
     *
     * NAME8, I1DIS8, I2DIS8, CCDF8 - Population-Weighted Risk
 220  TYPE8OUT001      'CAN FAT/TOTAL' 1       12      REPORT
 221  TYPE8OUT002      'CAN FAT/TOTAL' 1       15      REPORT
 222  TYPE8OUT003      'CAN FAT/TOTAL' 1       17      REPORT
 223  TYPE8OUT004      'CAN FAT/TOTAL' 1       18      REPORT
 224  TYPE8OUT005      'CAN FAT/TOTAL' 1       19      REPORT
 225  TYPE8OUT006      'CAN FAT/TOTAL' 1       21      REPORT
 226  TYPE8OUT007      'CAN FAT/TOTAL' 1       23      REPORT
 227  TYPE8OUT008      'CAN FAT/TOTAL' 1       25      REPORT
 228  TYPE8OUT009      'CAN FAT/TOTAL' 1       26      REPORT
 229  TYPE8OUT010      'CAN FAT/TOTAL' 13      15      REPORT
 230  TYPE8OUT011      'CAN FAT/TOTAL' 16      17      REPORT
 231  TYPE8OUT012      'CAN FAT/TOTAL' 18      18      REPORT
 232  TYPE8OUT013      'CAN FAT/TOTAL' 19      19      REPORT
 233  TYPE8OUT014      'CAN FAT/TOTAL' 20      21      REPORT
 234  TYPE8OUT015      'CAN FAT/TOTAL' 22      23      REPORT
 235  TYPE8OUT016      'CAN FAT/TOTAL' 24      25      REPORT
 236  TYPE8OUT017      'CAN FAT/TOTAL' 26      26      REPORT
     *
     * NUMA=0
 237  TYPEANUMBER      0
     *
     * NUMA - Number of results of type A
 238  TYPEANUMBER      1
********   RECORD NUMBER   238 REPLACES RECORD NUMBER   237   ********
     *
     * NAMEA, I1DISA, I2DISA, CCDFA - Peak Dose vs Distance
 239  TYPEAOUT001      L-ICRP60ED      1       26      REPORT
     *
     * NUMB =0
 240  TYPEBNUMBER      0
     *
     * NUMC=0
 241  TYPECNUMBER      0
     *
     * Form 'Land Area Exceeding Dose' Comment:
     * Emergency Phase PAGs
     *
     * NUMC number of typeC output
 242  TYPECNUMBER      3
********   RECORD NUMBER   242 REPLACES RECORD NUMBER   241   ********
     *
     * ORGNAM8, ELEVDOSE, PRINT_FLAG_C - organs for typeC output
 243  TYPECOUT001      L-ICRP60ED      0.01    .FALSE.
 244  TYPECOUT002      L-ICRP60ED      0.05    .FALSE.
 245  TYPECOUT003      A-THYROID       0.05    .FALSE.
     *
     * NUMD = 0
 246  TYPEDNUMBER      0
     *
     * NUMD number of typeD output
 247  TYPEDNUMBER      16
********   RECORD NUMBER   247 REPLACES RECORD NUMBER   246   ********
     *
     * I1DISD, NUCLIDED, ELEVCONC, PRINT_FLAG_D
 248  TYPEDOUT001      12      Cs-137  37000.  .FALSE.
 249  TYPEDOUT002      12      Cs-137  1.85000E+05     .FALSE.
 250  TYPEDOUT003      12      Cs-137  5.55000E+05     .FALSE.
 251  TYPEDOUT004      12      Cs-137  1.480000E+06    .FALSE.
 252  TYPEDOUT005      19      Cs-137  37000.  .FALSE.
 253  TYPEDOUT006      19      Cs-137  1.85000E+05     .FALSE.
 254  TYPEDOUT007      19      Cs-137  5.55000E+05     .FALSE.
 255  TYPEDOUT008      19      Cs-137  1.480000E+06    .FALSE.
 256  TYPEDOUT009      21      Cs-137  37000.  .FALSE.
 257  TYPEDOUT010      21      Cs-137  1.85000E+05     .FALSE.
 258  TYPEDOUT011      21      Cs-137  5.55000E+05     .FALSE.
 259  TYPEDOUT012      21      Cs-137  1.480000E+06    .FALSE.
 260  TYPEDOUT013      25      Cs-137  37000.  .FALSE.
 261  TYPEDOUT014      25      Cs-137  1.85000E+05     .FALSE.
 262  TYPEDOUT015      25      Cs-137  5.55000E+05     .FALSE.
 263  TYPEDOUT016      25      Cs-137  1.480000E+06    .FALSE.
     *
     * DOSMOD, dose model, LNT, AT or PL
 264  LCDOSMOD001      AT
     *
     * Form 'Annual Threshold' Comment:
     * Threshold values are from Health Physics Society position statement PS010-1 (August 2004).
     *
     * DTHNUM, Number of annual dose threshold values
 265  LCDTHNUM001      1
     *
     * DTHANN, Annual threshold values
 266  LCDTHANN001      0.0062
     *
     * DTHLIF, Lifetime dose restriction
 267  LCDTHLIF001      10000.
     *
     * KIMODL, KI model
 268  EZKIMODL001      KI
     *
```

```
    * EFFACY_TH, KI Ingestion
 269  EZEFFACY001      0.7
    *
    * POPFRAC_TH, KI Ingestion, SLT
 270  EZPOPFRC001      1.
    *
    * FRACLD_FILE - popflg=FILE, dummy variable
 271  STFRACLD001      1.0
    *
    * NUME=0
 272  TYPEENUMBER      0
    .
******** TERMINATOR RECORD ENCOUNTERED -- END OF BASE CASE USER INPUT ********


USER INPUT PROCESSING SUMMARY - BASE CASE

NUMBER OF RECORDS READ                        =  472
NUMBER OF BLANK OR COMMENT RECORDS READ         =  199
NUMBER OF TERMINATOR RECORDS                    =    1
NUMBER OF RECORDS PROCESSED                   =  272
    NUMBER OF PROCESSED RECORDS DUPLICATED     =    8
    NUMBER OF PROCESSED RECORDS SORTED         =  264
*****************************************************************************************************


THE KI MODEL IS IN EFFECT
READING DCF FILE:C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\Late 30-mile evac\2.4 HighDensity\Data\FGR13GyEquivDCF.INP
DCF FILE is of type :FGR13DF
Am using a FGR13DCF dose factor file
Linear Dose Threshold model in effect.
Annual dose threshold (Sv) for year   1 is       0.0062000
Annual dose threshold (Sv) for years greater than   1 is       0.0062000
Life Time Dose Threshold is being used
The Life Time Dose Threshold is   1.00E+04

The list of defined organs is as follows (A- is ACUTE and L- is LIFETIME):
  A-SKIN
  A-RED MARR
  A-LUNGS
  A-THYROID
  A-STOMACH
  A-LOWER LI
  L-ICRP60ED
  L-RED MARR
  L-BONE SUR
  L-BREAST
  L-LUNGS
  L-THYROID
  L-LOWER LI
  L-BLAD WAL
  L-LIVER

READING FROM A DOSE CONVERSION FILE WITH THE FOLLOWING HEADER:
FGR13DF 5/13/2008 12:23:56   Version 1.03, Gy-Equivalent DCFs
Internal Dose Coefficients derived from FGR 13, EPA 402-R-99-001



With 1=forwards, 2=rightwards, 3=backwards, and 4=leftwards,
The Evacuation Network For This Scenario Was Defined As Follows:


IRAD      1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     1  1  1  1  1  1  1  1  1  1  1  1  1  1  2  1
  4     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  5     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4
  6     1  1  1  1  1  1  1  1  1  1  1  1  1  1  4  1
  7     2  2  1  2  2  1  2  2  1  4  2  1  4  2  2  1
  8     1  4  1  1  4  2  1  4  2  1  1  4  2  2  1  1
  9     1  1  4  2  1  1  2  1  1  4  1  4  1  4  1  1
 10     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 11     1  1  4  2  1  4  2  1  4  4  4  4  2  2  1  4
 12     2  1  1  4  1  1  4  1  4  4  2  1  4  2  1  1
 13     1  1  4  1  4  2  1  1  2  1  4  4  2  2  1  1
 14     1  1  4  1  1  1  2  1  2  1  2  1  1  2  1  1
 15     1  1  4  2  2  2  1  1  1  1  1  1  1  1  1  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD     17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     1  1  1  1  1  1  1  1  2  1  4  4  4  4  2  2
  4     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  5     1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  1
  6     1  1  1  1  1  1  1  1  1  1  2  2  2  2  2  2
  7     1  1  1  1  1  1  1  1  1  1  2  2  1  4  4  2
  8     2  1  1  1  4  4  4  1  1  1  1  1  1  4  1  4
  9     1  2  1  1  1  4  4  4  1  1  4  1  2  2  2  1
 10     1  1  1  1  1  1  1  1  1  1  1  1  1  4  4  4
 11     4  2  2  2  2  2  2  1  4  4  1  1  4  2  2  1
 12     4  4  2  2  2  1  2  1  2  1  2  2  1  4  4  4
 13     1  1  1  1  1  2  1  4  4  4  1  2  1  4  4  4
 14     1  1  1  1  1  4  1  1  1  1  2  1  4  1  1  1
 15     1  1  1  1  1  1  1  4  4  4  2  2  2  1  1  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD     33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     2  2  2  1  1  1  4  4  4  4  2  2  2  1  1  1
  4     4  2  2  1  1  1  1  4  4  4  2  2  1  4  4  2
  5     1  1  1  1  2  1  4  4  2  2  1  4  4  2  2  1
  6     2  2  1  1  1  1  2  1  1  4  2  2  1  2  1  4
```

```
  7     1  1  1  1  4  4  2  2  1  1  4  4  1  1  4  1
  8     2  1  4  4  2  1  2  1  2  1  4  2  1  4  2  1
  9     1  2  1  4  2  1  2  1  2  1  1  4  1  4  1  4
 10     2  2  2  2  1  2  1  4  4  1  1  1  4  2  1  4
 11     1  1  4  2  1  4  1  4  2  1  4  1  1  2  1  1
 12     4  2  2  2  1  2  1  1  1  1  4  1  1  1  1  4
 13     4  2  2  1  4  4  1  1  4  2  1  1  2  1  2  1
 14     1  1  1  1  1  1  1  1  1  1  1  1  1  1  2  1
 15     1  1  1  1  1  1  1  1  1  1  1  4  1  2  1  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD     49  50  51  52  53  54  55  56  57  58  59  60  61  62  63  64
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     1  1  1  1  1  1  1  1  1  1  1  1  1  4  1  1
  4     1  4  4  2  1  1  4  2  1  4  4  4  4  4  1  1
  5     4  4  2  2  1  4  4  2  1  1  1  1  1  1  1  1
  6     4  2  2  1  4  4  4  4  4  4  4  1  1  1  1  1
  7     4  4  4  1  4  4  4  4  4  4  1  1  1  1  1  1
  8     1  4  4  1  4  4  4  2  2  1  1  1  1  2  2  2
  9     4  4  4  1  4  2  1  4  1  4  1  1  1  2  2  2
 10     4  2  2  1  1  1  1  1  4  4  4  2  2  1  1  1
 11     4  4  4  2  2  2  1  4  4  4  2  2  1  4  2  2
 12     4  4  2  2  2  2  1  4  2  1  1  2  2  1  4  2
 13     4  4  2  2  2  2  1  1  4  2  1  4  2  1  4  1  1
 14     1  4  4  2  2  1  1  4  1  4  1  1  1  1  1  1
 15     1  4  2  1  2  1  1  2  1  1  2  2  2  1  2  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
```

USING THE FOLLOWING SITE DATA FILE:

```
SECPOP2000 Version: 3.13.1 MACCS2 Formatted Site:  File for Peach Bottom Census: C:\Program Files\SecPOP_2000\Census\CENSUS00.DAT County: C:\Program Files\SecPOP_2000\Census\COUNTY2002RA.DAT* Created from C:\NBixler\WinMACCS Projects\SOARCA\PeachBottomLTSBO-SNL-
Jan2008\Data\PBSite2005_16.inp using PopMod 1.0.4 1/30/2008 11:29:59 AM
Lat: 39d45'32" Long:  76d16' 9" Population multiplier: 1.0533 Economic multiplier: 1.0900 Run Time: 1/30/2008 11:19:40 AM from C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\Late 30-mile evac\2.4 HighDensity\Data\PBSite2005_64.inp using WinMACCS 3.7.0 11/13/2012 11:02:19 AM
 26 SPATIAL INTERVALS
 64 WIND DIRECTIONS
  7 CROP CATEGORIES
  4 WATER PATHWAY ISOTOPES
  1 WATERSHEDS
 97 ECONOMIC REGIONS
SPATIAL DISTANCES     KILOMETERS
   0.1600    0.5200    1.2100    1.6100    2.1300    3.2200    4.0200    4.8300
   5.6300    8.0500   11.2700   16.0900   20.9200   25.7500   32.1900   40.2300
  48.2800   64.3700   80.4700  112.6500  160.9300  241.1400  321.8700  563.2700
 804.6700 1609.3400
POPULATION1
       0        0        0        0        0        0        0     1.72
       0     12.9   15.652  75.85201        0        0        0        0
       0        0        0        0        0        0        0        0
       0        0
       0        0        0        0        0        0        0     1.72
       0     12.9   15.652  75.85201        0        0        0        0
       0        0        0        0        0        0        0        0
       0        0
       0        0        0        0        0        0    0.516     0.86
   1.376    11.18   20.296   93.912        0        0        0        0
       0        0        0        0        0        0        0        0
       0        0
       0        0        0        0        0        0    1.032        0
    2.58    9.632    24.94  111.972        0        0        0        0
       0        0        0        0        0        0        0        0
       0        0
       0        0        0        0        0        0    1.032        0
    2.58    9.632    24.94  111.972        0        0        0        0
       0        0        0        0        0        0        0        0
       0        0
       0        0        0        0        0        0    1.032        0
    2.58    9.632    24.94  111.972        0        0        0        0
       0        0        0        0        0        0        0        0
       0        0
       0        0        0        0        0    0.344    1.892    2.924
   1.376   13.932   22.704  77.57201        0        0        0        0
       0        0        0        0        0        0        0        0
       0        0
       0        0        0        0        0     0.86     2.58    5.676
       0   18.232    20.64       43        0        0        0        0
       0        0        0        0        0        0        0        0
       0        0
       0        0        0        0        0     0.86     2.58    5.676
       0   18.232    20.64       43        0        0        0        0
       0        0        0        0        0        0        0        0
       0        0
       0        0        0        0        0     0.86     2.58    5.676
       0   18.232    20.64       43        0        0        0        0
       0        0        0        0        0        0        0        0
       0        0
       0        0        0        0        0    0.344    2.236    2.924
   1.204   18.748   21.156   40.936        0        0        0        0
       0        0        0        0        0        0        0        0
       0        0
       0        0        0        0        0        0    1.892    0.172
   2.408   19.264   21.844     38.7        0        0        0        0
       0        0        0        0        0        0        0        0
       0        0
       0        0        0        0        0        0    1.892    0.172
   2.408   19.264   21.844     38.7        0        0        0        0
       0        0        0        0        0        0        0        0
       0        0
       0        0        0        0        0        0    1.892    0.172
   2.408   19.264   21.844     38.7        0        0        0        0
       0        0        0        0        0        0        0        0
       0        0
       0        0        0        0        0        0    1.032    1.032
   2.924    16.34   25.456    61.92        0        0        0        0
       0        0        0        0        0        0        0        0
```

0 0
0 0 0 0 0 0.172 0.172 2.064
3.44 13.416 29.24 84.968 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.172 0.172 2.064
3.44 13.416 29.24 84.968 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.172 0.172 2.064
3.44 13.416 29.24 84.968 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 1.032
3.784 14.104 26.316 87.03201 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
3.956 14.792 23.564 88.924 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
3.956 14.792 23.564 88.924 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
3.956 14.792 23.564 88.924 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
1.892 9.632 26.66 82.56001 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 4.472 29.928 76.368 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 4.472 29.928 76.368 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 4.472 29.928 76.368 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.86 0.344 0
0.516 3.956 32.852 70.86401 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 1.72 0.516 0
1.032 3.44 35.776 65.53201 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 1.72 0.516 0
1.032 3.44 35.776 65.53201 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 1.72 0.516 0
1.032 3.44 35.776 65.53201 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.86 0.516 0.516
1.204 4.988 24.08 86.172 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0.344 0.86
1.376 6.536 12.556 106.984 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0.344 0.86
1.376 6.536 12.556 106.984 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0.344 0.86
1.376 6.536 12.556 106.984 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 1.548 1.376 0.516
1.892 16.856 24.08 82.216 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 3.268 2.408 0
2.408 27.004 35.604 57.62 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 3.268 2.408 0
2.408 27.004 35.604 57.62 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 3.268 2.408 0
2.408 27.004 35.604 57.62 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 1.548 2.064 0
7.74 41.796 33.024 60.372 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 1.72 0
13.244 56.416 30.616 63.124 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 1.72 0
13.244 56.416 30.616 63.124 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 1.72 0
13.244 56.416 30.616 63.124 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 1.376 0 0 0.516 1.72 2.924
9.804 37.152 25.112 60.028 0 0 0 0
0 0 0 0 0 0 0 0

```
    0       0
    0       0     2.58        0        0    1.204     1.72     5.848
6.364    17.888    19.436    57.104        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0     2.58        0        0    1.204     1.72     5.848
6.364    17.888    19.436    57.104        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0     2.58        0        0    1.204     1.72     5.848
6.364    17.888    19.436    57.104        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0    1.376        0        0    2.752    1.032     3.44
3.268    23.908    53.148    60.544        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0        0        0        0    4.472    0.516    1.032
0.344     30.1    86.688  64.15601        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0        0        0        0    4.472    0.516    1.032
0.344     30.1    86.688  64.15601        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0        0        0        0    4.472    0.516    1.032
0.344     30.1    86.688  64.15601        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0     0.86    0.688        0    2.236    0.344    0.516
4.472    20.296    50.568    47.644        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0    1.892    1.204        0        0        0        0
  8.6    10.664     14.62    31.304        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0    1.892    1.204        0        0        0        0
  8.6    10.664     14.62    31.304        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0    1.892    1.204        0        0        0        0
  8.6    10.664     14.62    31.304        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0     0.86    0.688        0    1.032        0     0.86
  4.3    15.136      12.9    21.672        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0        0        0        0    1.892        0     1.72
    0    19.608    11.352    12.04        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0        0        0        0    1.892        0     1.72
    0    19.608    11.352    12.04        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0        0        0        0    1.892        0     1.72
    0    19.608    11.352    12.04        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0        0        0    0.172    1.376        0     0.86
    0     9.804    25.112    44.376        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0        0        0    0.516     0.86        0        0
    0       0    38.872     76.54        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0        0        0    0.516     0.86        0        0
    0       0    38.872     76.54        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0        0        0    0.516     0.86        0        0
    0       0    38.872     76.54        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0        0        0    0.172    0.344        0     0.86
    0    6.364    27.348    76.196        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0        0        0        0        0        0     1.72
    0     12.9    15.652  75.85201        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
POPULATION2
    0       0        0        0        0        0        0        2
    0      15     18.2     88.2        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0        0        0        0        0        0        2
    0      15     18.2     88.2        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0        0        0        0        0      0.6        1
  1.6      13     23.6    109.2        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0        0        0        0        0      1.2        0
    3    11.2       29    130.2        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0        0        0        0        0      1.2        0
    3    11.2       29    130.2        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0        0        0        0        0      1.2        0
    3    11.2       29    130.2        0        0        0        0
    0       0        0        0        0        0        0        0
    0       0
    0       0        0        0        0      0.4      2.2      3.4
  1.6     16.2     26.4     90.2        0        0        0        0
```

0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 1 3 6.6
0 21.2 24 50 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 1 3 6.6
0 21.2 24 50 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 1 3 6.6
0 21.2 24 50 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.4 2.6 3.4
1.4 21.8 24.6 47.6 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 2.2 0.2
2.8 22.4 25.4 45 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 2.2 0.2
2.8 22.4 25.4 45 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 2.2 0.2
2.8 22.4 25.4 45 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 1.2 1.2
3.4 19 29.6 72 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.2 0.2 2.4
4 15.6 34 98.8 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.2 0.2 2.4
4 15.6 34 98.8 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.2 0.2 2.4
4 15.6 34 98.8 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 1.2
4.4 16.4 30.6 101.2 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
4.6 17.2 27.4 103.4 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
4.6 17.2 27.4 103.4 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
4.6 17.2 27.4 103.4 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
2.2 11.2 31 96 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 5.2 34.8 88.8 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 5.2 34.8 88.8 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 5.2 34.8 88.8 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 1 0.4 0
0.6 4.6 38.2 82.4 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 2 0.6 0
1.2 4 41.6 76.2 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 2 0.6 0
1.2 4 41.6 76.2 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 2 0.6 0
1.2 4 41.6 76.2 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 1 0.6 0.6
1.4 5.8 28 100.2 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0.4 1
1.6 7.6 14.6 124.4 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0.4 1
1.6 7.6 14.6 124.4 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0.4 1
1.6 7.6 14.6 124.4 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 1.8 1.6 0.6
2.2 19.6 28 95.6 0 0 0 0

```
   0      0      0      0      0      0      0      0
   0      0
   0      0      0      0      0    3.8    2.8      0
 2.8   31.4   41.4     67      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      0      0      0    3.8    2.8      0
 2.8   31.4   41.4     67      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      0      0      0    3.8    2.8      0
 2.8   31.4   41.4     67      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      0      0      0    1.8    2.4      0
   9   48.6   38.4   70.2      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      0      0      0      0      2      0
15.4   65.6   35.6   73.4      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      0      0      0      0      2      0
15.4   65.6   35.6   73.4      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      0      0      0      0      2      0
15.4   65.6   35.6   73.4      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0    1.6      0      0    0.6      2    3.4
11.4   43.2   29.2   69.8      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      3      0      0    1.4      2    6.8
 7.4   20.8   22.6   66.4      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      3      0      0    1.4      2    6.8
 7.4   20.8   22.6   66.4      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      3      0      0    1.4      2    6.8
 7.4   20.8   22.6   66.4      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0    1.6      0      0    3.2    1.2      4
 3.8   27.8   61.8   70.4      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      0      0      0    5.2    0.6    1.2
 0.4     35  100.8   74.6      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      0      0      0    5.2    0.6    1.2
 0.4     35  100.8   74.6      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      0      0      0    5.2    0.6    1.2
 0.4     35  100.8   74.6      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      1    0.8      0    2.6    0.4    0.6
 5.2   23.6   58.8   55.4      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0    2.2    1.4      0      0      0      0
  10   12.4     17   36.4      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0    2.2    1.4      0      0      0      0
  10   12.4     17   36.4      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0    2.2    1.4      0      0      0      0
  10   12.4     17   36.4      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      1    0.8      0    1.2      0      1
   5   17.6     15   25.2      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      0      0      0    2.2      0      2
   0   22.8   13.2     14      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      0      0      0    2.2      0      2
   0   22.8   13.2     14      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      0      0      0    2.2      0      2
   0   22.8   13.2     14      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      0      0    0.2    1.6      0      1
   0   11.4   29.2   51.6      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      0      0    0.6      1      0      0
   0      0   45.2     89      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      0      0    0.6      1      0      0
   0      0   45.2     89      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      0      0    0.6      1      0      0
   0      0   45.2     89      0      0      0      0
   0      0      0      0      0      0      0      0
   0      0
   0      0      0      0    0.2    0.4      0      1
   0    7.4   31.8   88.6      0      0      0      0
```

```
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 2
0 15 18.2 88.2 0 0 0 0
0 0 0 0 0 0 0 0
0 0
POPULATION3
0 0 0 0 0 0 0 5.17
0 38.775 47.047 227.997 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 5.17
0 38.775 47.047 227.997 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 1.551 2.585
4.136 33.605 61.006 282.282 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 3.102 0
7.755 28.952 74.965 336.567 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 3.102 0
7.755 28.952 74.965 336.567 0 0 0 0
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0 0
0 0 0 0 0 0 3.102 0
7.755 28.952 74.965 336.567 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 1.034 5.687 8.789001
4.136 41.877 68.244 233.167 0 0 0 0
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0 0
0 0 0 0 0 0 2.585 7.755 17.061
0 54.802 62.04 129.25 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 2.585 7.755 17.061
0 54.802 62.04 129.25 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 2.585 7.755 17.061
0 54.802 62.04 129.25 0 0 0 0
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0 0
0 0 0 0 0 0 1.034 6.721 8.789001
3.619 56.353 63.591 123.046 0 0 0 0
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0 0
0 0 0 0 0 0 0 5.687 0.517
7.238 57.904 65.659 116.325 0 0 0 0
0 0 0 0 0 0 0 0
0 0
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7.238 57.904 65.659 116.325 0 0 0 0
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0 0 0 0 0 0 0 5.687 0.517
7.238 57.904 65.659 116.325 0 0 0 0
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0 0
0 0 0 0 0 0 0 3.102 3.102
8.789001 49.115 76.51601 186.12 0 0 0 0
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0 0
0 0 0 0 0 0.517 0.517 6.204
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0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.517 0.517 6.204
10.34 40.326 87.89001 255.398 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.517 0.517 6.204
10.34 40.326 87.89001 255.398 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 3.102
11.374 42.394 79.10101 261.602 0 0 0 0
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0 0
0 0 0 0 0 0 0 0
11.891 44.462 70.829 267.289 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
11.891 44.462 70.829 267.289 0 0 0 0
0 0 0 0 0 0 0 0
0 0
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5.687 28.952 80.135 248.16 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 13.442 89.958 229.548 0 0 0 0
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0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 13.442 89.958 229.548 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 2.585 1.034 0
```

1.551 11.891 98.747 213.004 0 0 0 0
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0 0
0 0 0 0 0 5.17 1.551 0
3.102 10.34 107.536 196.977 0 0 0 0
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0 0
0 0 0 0 0 5.17 1.551 0
3.102 10.34 107.536 196.977 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 5.17 1.551 0
3.102 10.34 107.536 196.977 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 2.585 1.551 1.551
3.619 14.993 72.38 259.017 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 1.034 2.585
4.136 19.646 37.741 321.574 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 1.034 2.585
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0 0
0 0 0 0 0 4.653 4.136 1.551
5.687 50.666 72.38 247.126 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 9.823 7.238 0
7.238 81.16901 107.019 173.195 0 0 0 0
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0 0
0 0 0 0 0 9.823 7.238 0
7.238 81.16901 107.019 173.195 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 9.823 7.238 0
7.238 81.16901 107.019 173.195 0 0 0 0
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23.265 125.631 99.26401 181.467 0 0 0 0
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0 0
0 0 0 0 0 0 5.17 0
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0 0
0 0 0 0 0 0 5.17 0
39.809 169.576 92.026 189.739 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 5.17 0
39.809 169.576 92.026 189.739 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 4.136 0 0 1.551 5.17 8.789001
29.469 111.672 75.482 180.433 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 7.755 0 0 3.619 5.17 17.578
19.129 53.768 58.421 171.644 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 7.755 0 0 3.619 5.17 17.578
19.129 53.768 58.421 171.644 0 0 0 0
0 0 0 0 0 0 0 0
0 0
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19.129 53.768 58.421 171.644 0 0 0 0
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9.823 71.863 159.753 181.984 0 0 0 0
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1.034 90.47501 260.568 192.841 0 0 0 0
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0 0
0 0 0 0 0 13.442 1.551 3.102
1.034 90.47501 260.568 192.841 0 0 0 0
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1.034 90.47501 260.568 192.841 0 0 0 0
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0 0
0 0 2.585 2.068 0 6.721 1.034 1.551
13.442 61.006 151.998 143.209 0 0 0 0
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0 0
0 0 5.687 3.619 0 0 0 0
25.85 32.054 43.945 94.094 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 5.687 3.619 0 0 0 0
25.85 32.054 43.945 94.094 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 5.687 3.619 0 0 0 0
25.85 32.054 43.945 94.094 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 2.585 2.068 0 3.102 0 2.585

```
12.925    45.496    38.775  65.14201         0         0         0         0
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     0         0
     0         0         0         0         0     5.687         0     5.17
     0    58.938    34.122    36.19         0         0         0         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0     5.687         0     5.17
     0    58.938    34.122    36.19         0         0         0         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0     5.687         0     5.17
     0    58.938    34.122    36.19         0         0         0         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0     0.517     4.136         0     2.585
     0    29.469    75.482   133.386         0         0         0         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0     1.551     2.585         0         0
     0         0   116.842   230.065         0         0         0         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0     1.551     2.585         0         0
     0         0   116.842   230.065         0         0         0         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0     1.551     2.585         0         0
     0         0   116.842   230.065         0         0         0         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0     0.517     1.034         0     2.585
     0    19.129    82.203   229.031         0         0         0         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0         0         0     5.17
     0    38.775    47.047   227.997         0         0         0         0
     0         0         0         0         0         0         0         0
     0         0
POPULATION4
     0         0         0         0         0         0         0         0
     0         0         0         0    292.2       681    6173.7         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0         0         0         0
     0         0         0         0    292.2       681    6173.7         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0         0         0         0
     0         0         0         0       399     512.1    3473.7         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0         0         0         0
     0         0         0         0    505.8     342.9     773.4         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0         0         0         0
     0         0         0         0    505.8     342.9     773.4         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0         0         0         0
     0         0         0         0    505.8     342.9     773.4         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0         0         0         0
     0         0         0         0    316.5     270.6       582         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0         0         0         0
     0         0         0         0    127.2       198     390.9         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0         0         0         0
     0         0         0         0    127.2       198     390.9         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0         0         0         0
     0         0         0         0    127.2       198     390.9         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0         0         0         0
     0         0         0         0    139.8     140.1     345.9         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0         0         0         0
     0         0         0         0    152.4      82.2     301.2         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0         0         0         0
     0         0         0         0    152.4      82.2     301.2         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0         0         0         0
     0         0         0         0    152.4      82.2     301.2         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0         0         0         0
     0         0         0         0    172.8     325.5     515.7         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0         0         0         0
     0         0         0         0    193.2     569.1     730.5         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0         0         0         0
     0         0         0         0    193.2     569.1     730.5         0
     0         0         0         0         0         0         0         0
     0         0
     0         0         0         0         0         0         0         0
     0         0         0         0    193.2     569.1     730.5         0
     0         0         0         0         0         0         0         0
     0         0
```

```
0    0    0    0      0        0        0      0
0    0    0    0  321.9    395.4    646.5        0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  450.9      222    562.2        0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  450.9      222    562.2        0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  450.9      222    562.2        0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  355.5    267.3    528.3        0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  260.1    312.6    494.1        0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  260.1    312.6    494.1        0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  260.1    312.6    494.1        0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0    183    353.7   1328.1        0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  105.9    395.1   2162.1         0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  105.9    395.1   2162.1         0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  105.9    395.1   2162.1         0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  165.6    688.8   2457.6         0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  225.3 982.5001    2753.1          0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  225.3 982.5001    2753.1          0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  225.3 982.5001    2753.1          0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  199.5   1600.5   2247.6         0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  173.7   2218.8   1741.8         0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  173.7   2218.8   1741.8         0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  173.7   2218.8   1741.8         0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  174.3   1315.5   1204.5         0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  174.6    412.2    666.9        0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  174.6    412.2    666.9        0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  174.6    412.2    666.9        0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  149.4    278.1    442.8        0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  124.2      144      219      0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  124.2      144      219      0
0    0    0    0      0        0        0      0
0    0
0    0    0    0      0        0        0      0
0    0    0    0  124.2      144      219      0
0    0    0    0      0        0        0      0
0    0
```

```
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0 0 0 0 0 0 0 0
0 0
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0 0 0 0 85.5 107.1 627.9 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 85.5 107.1 627.9 0
0 0 0 0 0 0 0 0
0 0
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0 0 0 0 85.5 107.1 627.9 0
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0 0
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0 0
0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0
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0 0
0 0 0 0 0 0 0 0
0 0 0 0 139.8 317.7 1742.4 0
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0 0 0 0 216 499.5 3957.9 0
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0 0
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0 0 0 0 292.2 681 6173.7 0
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0 0
POPULATION5
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0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0.06
0 0.45 0.546 2.646 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0.018 0.03
0.048 0.39 0.708 3.276 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0.036 0
0.09 0.336 0.87 3.906 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0.036 0
0.09 0.336 0.87 3.906 0 0 0 0
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0 0
0 0 0 0 0 0 0.036 0
0.09 0.336 0.87 3.906 0 0 0 0
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0 0
0 0 0 0 0 0 0.012 0.066 0.102
0.048 0.486 0.792 2.706 0 0 0 0
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0 0
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0 0.636 0.72 1.5 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0.03 0.09 0.198
0 0.636 0.72 1.5 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0.03 0.09 0.198
0 0.636 0.72 1.5 0 0 0 0
0 0 0 0 0 0 0 0
```

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0.042 0.654 0.738 1.428 0 0 0 0
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0.084 0.672 0.762 1.35 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0.066 0.006
0.084 0.672 0.762 1.35 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0.066 0.006
0.084 0.672 0.762 1.35 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0.036 0.036
0.102 0.57 0.888 2.16 0 0 0 0
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0 0
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0.12 0.468 1.02 2.964 0 0 0 0
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0 0
0 0 0 0 0 0.006 0.006 0.072
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0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.006 0.006 0.072
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0 0
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0 0
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0.042 0.174 0.84 3.006 0 0 0 0
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0 0
0 0 0 0 0 0 0.012 0.03
0.048 0.228 0.438 3.732 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0.012 0.03
0.048 0.228 0.438 3.732 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0.012 0.03
0.048 0.228 0.438 3.732 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.054 0.048 0.018
0.066 0.588 0.84 2.868 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.114 0.084 0
0.084 0.942 1.242 2.01 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.114 0.084 0
0.084 0.942 1.242 2.01 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.114 0.084 0
0.084 0.942 1.242 2.01 0 0 0 0
0 0 0 0 0 0 0 0

```
0 0
0 0 0 0 0 0.054 0.072 0
0.27 1.458 1.152 2.106 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0.06 0
0.462 1.968 1.068 2.202 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0.06 0
0.462 1.968 1.068 2.202 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0.06 0
0.462 1.968 1.068 2.202 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0.048 0 0 0.018 0.06 0.102
0.342 1.296 0.876 2.094 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0.09 0 0 0.042 0.06 0.204
0.222 0.624 0.678 1.992 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0.09 0 0 0.042 0.06 0.204
0.222 0.624 0.678 1.992 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0.09 0 0 0.042 0.06 0.204
0.222 0.624 0.678 1.992 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0.048 0 0 0.096 0.036 0.12
0.114 0.834 1.854 2.112 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.156 0.018 0.036
0.012 1.05 3.024 2.238 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.156 0.018 0.036
0.012 1.05 3.024 2.238 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.156 0.018 0.036
0.012 1.05 3.024 2.238 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0.03 0.024 0 0.078 0.012 0.018
0.156 0.708 1.764 1.662 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0.066 0.042 0 0 0 0
0.3 0.372 0.51 1.092 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0.066 0.042 0 0 0 0
0.3 0.372 0.51 1.092 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0.066 0.042 0 0 0 0
0.3 0.372 0.51 1.092 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0.03 0.024 0 0.036 0 0.03
0.15 0.528 0.45 0.756 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.066 0 0.06
0 0.684 0.396 0.42 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.066 0 0.06
0 0.684 0.396 0.42 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.066 0 0.06
0 0.684 0.396 0.42 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0.006 0.048 0 0.03
0 0.342 0.876 1.548 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0.018 0.03 0 0
0 0 1.356 2.67 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0.018 0.03 0 0
0 0 1.356 2.67 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0.018 0.03 0 0
0 0 1.356 2.67 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0.006 0.012 0 0.03
0 0.222 0.954 2.658 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0.06
0 0.45 0.546 2.646 0 0 0 0
0 0 0 0 0 0 0 0
0 0
POPULATION6
0 0 0 0 0 0 0 1
0 7.5 9.1 44.1 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 1
0 7.5 9.1 44.1 0 0 0 0
```

```
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0     0   0.3   0.5
0.8   6.5  11.8  54.6     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0     0   0.6     0
1.5   5.6  14.5  65.1     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0     0   0.6     0
1.5   5.6  14.5  65.1     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0     0   0.6     0
1.5   5.6  14.5  65.1     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0   0.2   1.1   1.7
0.8   8.1  13.2  45.1     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0   0.5   1.5   3.3
  0  10.6    12    25     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0   0.5   1.5   3.3
  0  10.6    12    25     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0   0.5   1.5   3.3
  0  10.6    12    25     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0   0.2   1.3   1.7
0.7  10.9  12.3  23.8     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0     0   1.1   0.1
1.4  11.2  12.7  22.5     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0     0   1.1   0.1
1.4  11.2  12.7  22.5     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0     0   1.1   0.1
1.4  11.2  12.7  22.5     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0     0   0.6   0.6
1.7   9.5  14.8    36     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0   0.1   0.1   1.2
  2   7.8    17  49.4     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0   0.1   0.1   1.2
  2   7.8    17  49.4     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0   0.1   0.1   1.2
  2   7.8    17  49.4     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0     0     0   0.6
2.2   8.2  15.3  50.6     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0     0     0     0
2.3   8.6  13.7  51.7     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0     0     0     0
2.3   8.6  13.7  51.7     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0     0     0     0
2.3   8.6  13.7  51.7     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0     0     0     0
1.1   5.6  15.5    48     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0     0     0     0
  0   2.6  17.4  44.4     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0     0     0     0
  0   2.6  17.4  44.4     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0     0     0     0
  0   2.6  17.4  44.4     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0   0.5   0.2     0
0.3   2.3  19.1  41.2     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0     1   0.3     0
0.6     2  20.8  38.1     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0     1   0.3     0
0.6     2  20.8  38.1     0     0     0     0
  0     0     0     0     0     0     0     0
  0     0
  0     0     0     0     0     1   0.3     0
0.6     2  20.8  38.1     0     0     0     0
```

```
 0     0     0     0     0     0     0     0
 0     0
 0     0     0     0     0    0.5   0.3   0.3
0.7   2.9    14   50.1     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0     0     0     0     0    0.2   0.5
0.8   3.8   7.3   62.2     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0     0     0     0     0    0.2   0.5
0.8   3.8   7.3   62.2     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0     0     0     0     0    0.2   0.5
0.8   3.8   7.3   62.2     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0     0     0     0    0.9   0.8   0.3
1.1   9.8    14   47.8     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0     0     0     0    1.9   1.4     0
1.4  15.7  20.7   33.5     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0     0     0     0    1.9   1.4     0
1.4  15.7  20.7   33.5     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0     0     0     0    1.9   1.4     0
1.4  15.7  20.7   33.5     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0     0     0     0    0.9   1.2     0
4.5  24.3  19.2   35.1     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0     0     0     0     0     1     0
7.7  32.8  17.8   36.7     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0     0     0     0     0     1     0
7.7  32.8  17.8   36.7     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0     0     0     0     0     1     0
7.7  32.8  17.8   36.7     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0    0.8    0     0    0.3    1    1.7
5.7  21.6  14.6   34.9     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0    1.5    0     0    0.7    1    3.4
3.7  10.4  11.3   33.2     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0    1.5    0     0    0.7    1    3.4
3.7  10.4  11.3   33.2     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0    1.5    0     0    0.7    1    3.4
3.7  10.4  11.3   33.2     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0    0.8    0     0    1.6   0.6    2
1.9  13.9  30.9   35.2     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0     0     0     0    2.6   0.3   0.6
0.2  17.5  50.4   37.3     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0     0     0     0    2.6   0.3   0.6
0.2  17.5  50.4   37.3     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0     0     0     0    2.6   0.3   0.6
0.2  17.5  50.4   37.3     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0    0.5   0.4    0    1.3   0.2   0.3
2.6  11.8  29.4   27.7     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0    1.1   0.7    0     0     0     0
 5    6.2   8.5   18.2    0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0    1.1   0.7    0     0     0     0
 5    6.2   8.5   18.2    0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0    1.1   0.7    0     0     0     0
 5    6.2   8.5   18.2    0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0    0.5   0.4    0    0.6    0    0.5
2.5   8.8   7.5   12.6    0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0     0     0     0    1.1    0     1
 0   11.4   6.6     7     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0     0     0     0    1.1    0     1
 0   11.4   6.6     7     0     0     0     0
 0     0     0     0     0     0     0     0
 0     0
 0     0     0     0     0    1.1    0     1
 0   11.4   6.6     7     0     0     0     0
```

```
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0.1 0.8 0 0.5
0 5.7 14.6 25.8 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0.3 0.5 0 0
0 0 22.6 44.5 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0.3 0.5 0 0
0 0 22.6 44.5 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0.3 0.5 0 0
0 0 22.6 44.5 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0.1 0.2 0 0.5
0 3.7 15.9 44.3 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 1
0 7.5 9.1 44.1 0 0 0 0
0 0 0 0 0 0 0 0
0 0
POPULATION7
0 0 0 0 0 0 0 0
0 0 0 0 537.648 1253.04 11359.61 12246.65
11386.98 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 537.648 1253.04 11359.61 12246.65
11386.98 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 734.16 942.264 6391.608 7483.968
7945.752 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 930.672 630.936 1423.056 2720.436
4504.524 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 930.672 630.936 1423.056 2720.436
4504.524 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 930.672 630.936 1423.056 2720.436
4504.524 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 582.36 497.904 1070.88 3033.12
4461.924 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 234.048 364.32 719.256 3345.804
4420.176 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 234.048 364.32 719.256 3345.804
4420.176 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 234.048 364.32 719.256 3345.804
4420.176 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 257.232 257.784 636.456 2388.156
4973.124 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 280.416 151.248 554.208 1430.508
5526.924 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 280.416 151.248 554.208 1430.508
5526.924 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 280.416 151.248 554.208 1430.508
5526.924 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 317.952 598.92 948.888 2394.972
8716.812 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 355.488 1047.144 1344.12 3360.288
11907.55 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 355.488 1047.144 1344.12 3360.288
11907.55 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 355.488 1047.144 1344.12 3360.288
11907.55 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 592.296 727.536 1189.56 3494.052
12313.1 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 829.656 408.48 1034.448 3627.816
12718.66 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 829.656 408.48 1034.448 3627.816
12718.66 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
```

0 0 0 0 829.656 408.48 1034.448 3627.816
12718.66 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 654.12 491.832 972.072 2304.66
6875.64 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 478.584 575.184 909.144 981.504
1032.624 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 478.584 575.184 909.144 981.504
1032.624 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 478.584 575.184 909.144 981.504
1032.624 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 336.72 650.808 2443.704 622.812
646.668 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 194.856 726.984 3978.264 264.12
260.712 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 194.856 726.984 3978.264 264.12
260.712 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 194.856 726.984 3978.264 264.12
260.712 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 304.704 1267.392 4521.984 4617.84
794.064 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 414.552 1807.8 5065.704 8970.708
1326.564 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 414.552 1807.8 5065.704 8970.708
1326.564 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 414.552 1807.8 5065.704 8970.708
1326.564 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 367.08 2944.92 4135.584 6511.836
13013.45 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 319.608 4082.592 3204.912 4053.816
24701.18 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 319.608 4082.592 3204.912 4053.816
24701.18 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 319.608 4082.592 3204.912 4053.816
24701.18 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 320.712 2420.52 2216.28 3398.628
18986.82 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 321.264 758.448 1227.096 2743.44
13272.46 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 321.264 758.448 1227.096 2743.44
13272.46 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 321.264 758.448 1227.096 2743.44
13272.46 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 274.896 511.704 814.752 2303.808
7168.728 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 228.528 264.96 402.96 1864.176
1065.852 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 228.528 264.96 402.96 1864.176
1065.852 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 228.528 264.96 402.96 1864.176
1065.852 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 193.2 231.288 778.872 2720.436
1197.912 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 157.32 197.064 1155.336 3575.844
1330.824 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 157.32 197.064 1155.336 3575.844
1330.824 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0

0 0 0 0 157.32 197.064 1155.336 3575.844
1330.824 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 135.792 239.568 1258.008 5727.996
9915.576 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 114.264 282.624 1360.68 7879.296
18500.33 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 114.264 282.624 1360.68 7879.296
18500.33 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 114.264 282.624 1360.68 7879.296
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0 0 0 0 136.896 230.184 1162.512 5917.14
12520.14 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 158.976 178.296 964.344 3954.984
6539.1 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 158.976 178.296 964.344 3954.984
6539.1 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 158.976 178.296 964.344 3954.984
6539.1 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 208.104 381.432 2084.904 7640.736
5845.572 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 257.232 584.568 3206.016 11325.64
5151.192 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 257.232 584.568 3206.016 11325.64
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0 0
0 0 0 0 0 0 0 0
0 0 0 0 257.232 584.568 3206.016 11325.64
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0 0 0 0 397.44 919.08 7282.536 11785.72
8269.512 0 0 0 0 0 0 0
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0 0 0 0 537.648 1253.04 11359.61 12246.65
11386.98 0 0 0 0 0 0 0
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POPULATION8
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574.695 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 41.882 97.61 884.897 618.082
574.695 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
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401.018 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 72.498 49.149 110.854 137.299
227.341 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 72.498 49.149 110.854 137.299
227.341 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 72.498 49.149 110.854 137.299
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0 0
0 0 0 0 0 0 0 0
0 0 0 0 45.365 38.786 83.42001 153.08
225.191 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0
0 0 0 0 18.232 28.38 56.029 168.861
223.084 0 0 0 0 0 0 0
0 0
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223.084 0 0 0 0 0 0 0
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0 0 0 0 18.232 28.38 56.029 168.861
223.084 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 20.038 20.081 49.579 120.529
250.991 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 21.844 11.782 43.172 72.19701
278.941 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 21.844 11.782 43.172 72.19701
278.941 0 0 0 0 0 0 0
0 0

```
    0       0       0       0       0       0       0       0
    0       0       0       0   21.844   11.782   43.172  72.19701
278.941     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   24.768   46.655   73.917  120.873
439.933     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   27.692   81.571  104.705  169.592
600.968     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   27.692   81.571  104.705  169.592
600.968     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   27.692   81.571  104.705  169.592
600.968     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   46.139   56.674   92.665  176.343
621.436     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0  64.62901    31.82   80.582  183.094
641.904     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0  64.62901    31.82   80.582  183.094
641.904     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0  64.62901    31.82   80.582  183.094
641.904     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   50.955   38.313   75.723  116.315
 347.01     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   37.281   44.806   70.821   49.536
 52.116     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   37.281   44.806   70.821   49.536
 52.116     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   37.281   44.806   70.821   49.536
 52.116     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0    26.23   50.697  190.361   31.433
 32.637     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   15.179   56.631  309.901    13.33
 13.158     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   15.179   56.631  309.901    13.33
 13.158     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   15.179   56.631  309.901    13.33
 13.158     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   23.736   98.728  352.256   233.06
 40.076     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   32.293  140.825  394.611  452.747
 66.951     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   32.293  140.825  394.611  452.747
 66.951     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   32.293  140.825  394.611  452.747
 66.951     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   28.595  229.405  322.156  328.649
656.782     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   24.897  318.028  249.658  204.594
1246.656    0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   24.897  318.028  249.658  204.594
1246.656    0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   24.897  318.028  249.658  204.594
1246.656    0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   24.983  188.555  172.645  171.527
958.255     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   25.026   59.082   95.589   138.46
669.854     0       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
    0       0       0       0   25.026   59.082   95.589   138.46
669.854     0       0       0       0       0       0       0
    0       0
```

```
      0       0       0       0       0       0       0       0
      0       0       0       0   25.026   59.082   95.589   138.46
669.854       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   21.414   39.861   63.468   116.272
361.802       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   17.802    20.64    31.39    94.084
 53.793       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   17.802    20.64    31.39    94.084
 53.793       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   17.802    20.64    31.39    94.084
 53.793       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0    15.05   18.017   60.673   137.299
 60.458       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   12.255   15.351   89.999   180.471
 67.166       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   12.255   15.351   89.999   180.471
 67.166       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   12.255   15.351   89.999   180.471
 67.166       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   10.578   18.662   97.997   289.089
500.434       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0    8.901   22.016   105.995   397.664
933.702       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0    8.901   22.016   105.995   397.664
933.702       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0    8.901   22.016   105.995   397.664
933.702       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   10.664   17.931  90.55801   298.635
631.885       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   12.384   13.889   75.121   199.606
330.025       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   12.384   13.889   75.121   199.606
330.025       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   12.384   13.889   75.121   199.606
330.025       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   16.211   29.713   162.411   385.624
295.023       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   20.038   45.537   249.744   571.599
259.978       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   20.038   45.537   249.744   571.599
259.978       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   20.038   45.537   249.744   571.599
259.978       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0    30.96   71.595   567.299   594.819
417.358       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   41.882    97.61   884.897   618.082
574.695       0       0       0       0       0       0       0
      0       0
POPULATION9
      0       0       0       0       0       0       0       0
      0       0       0       0       0       0       0       0
      0   1549.2       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0       0       0       0       0
      0   1549.2       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0       0       0       0       0
      0   2103.6       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0       0       0       0       0
      0   2658.2       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0       0       0       0       0
      0   2658.2       0       0       0       0       0       0
```

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0     0     0     0     0     0     0     0
0     0     0     0     0     0     0     0
0  2658.2     0     0     0     0     0     0
0     0
0     0     0     0     0     0     0     0
0     0     0     0     0     0     0     0
0  2337.4     0     0     0     0     0     0
0     0
0     0     0     0     0     0     0     0
0     0     0     0     0     0     0     0
0  2016.6     0     0     0     0     0     0
0     0
0     0     0     0     0     0     0     0
0     0     0     0     0     0     0     0
0  2016.6     0     0     0     0     0     0
0     0
0     0     0     0     0     0     0     0
0     0     0     0     0     0     0     0
0  2016.6     0     0     0     0     0     0
0     0
0     0     0     0     0     0     0     0
0     0     0     0     0     0     0     0
0  4633.4     0     0     0     0     0     0
0     0
0     0     0     0     0     0     0     0
0     0     0     0     0     0     0     0
0  7250.2     0     0     0     0     0     0
0     0
0     0     0     0     0     0     0     0
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0     0     0     0     0     0     0     0
0     0     0     0     0     0     0     0
0  7250.2     0     0     0     0     0     0
0     0
0     0     0     0     0     0     0     0
0     0     0     0     0     0     0     0
0  10566.2     0     0     0     0     0     0
0     0
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0   13882     0     0     0     0     0     0
0     0
0     0     0     0     0     0     0     0
0     0     0     0     0     0     0     0
0   13882     0     0     0     0     0     0
0     0
0     0     0     0     0     0     0     0
0     0     0     0     0     0     0     0
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0     0
0     0     0     0     0     0     0     0
0     0     0     0     0     0     0     0
0  9600.4     0     0     0     0     0     0
0     0
0     0     0     0     0     0     0     0
0     0     0     0     0     0     0     0
0  5318.6     0     0     0     0     0     0
0     0
0     0     0     0     0     0     0     0
0     0     0     0     0     0     0     0
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0     0
0     0     0     0     0     0     0     0
0     0     0     0     0     0     0     0
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0     0
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0  3016.6     0     0     0     0     0     0
0     0
0     0     0     0     0     0     0     0
0     0     0     0     0     0     0     0
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0     0
0     0     0     0     0     0     0     0
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0   658.2     0     0     0     0     0     0
0     0
0     0     0     0     0     0     0     0
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0     0
0     0     0     0     0     0     0     0
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0     0
0     0     0     0     0     0     0     0
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0     0
0     0     0     0     0     0     0     0
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0   392.4     0     0     0     0     0     0
0     0
0     0     0     0     0     0     0     0
0     0     0     0     0     0     0     0
0    183     0     0     0     0     0     0
0     0
0     0     0     0     0     0     0     0
0     0     0     0     0     0     0     0
0    183     0     0     0     0     0     0
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0	0
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0	0	0	0	0	0	0	0
0	183	0	0	0	0	0	0
0	0
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0	0	0	0	0	0	0	0
0	16875.8	0	0	0	0	0	0
0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	33568.6	0	0	0	0	0	0
0	0
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0	0
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0	0	0	0	0	0	0	0
0	27523.4	0	0	0	0	0	0
0	0
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0	0
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0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	11780.8	0	0	0	0	0	0
0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	2083.4	0	0	0	0	0	0
0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	2083.4	0	0	0	0	0	0
0	0
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0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	2509.6	0	0	0	0	0	0
0	0
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0	2936	0	0	0	0	0	0
0	0
0	0	0	0	0	0	0	0
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0	3104.8	0	0	0	0	0	0
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0	3273.6	0	0	0	0	0	0
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0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	2907.6	0	0	0	0	0	0
0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	2615.8	0	0	0	0	0	0
0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	2324	0	0	0	0	0	0
0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	2324	0	0	0	0	0	0
```

```
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0       0       0       0       0
      0    2324       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0       0       0       0       0
      0  1936.6       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0       0       0       0       0
      0  1549.2       0       0       0       0       0       0
      0       0
POPULATION10
      0       0       0       0       0       0       0       0
      0       0       0       0    97.4     227  2057.9  1437.4
 1336.5       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0    97.4     227  2057.9  1437.4
 1336.5       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0     133   170.7  1157.9   878.4
  932.6       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   168.6   114.3   257.8   319.3
  528.7       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   168.6   114.3   257.8   319.3
  528.7       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   168.6   114.3   257.8   319.3
  528.7       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   105.5    90.2     194     356
  523.7       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0    42.4      66   130.3   392.7
  518.8       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0    42.4      66   130.3   392.7
  518.8       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0    42.4      66   130.3   392.7
  518.8       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0    46.6    46.7   115.3   280.3
  583.7       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0    50.8    27.4   100.4   167.9
  648.7       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0    50.8    27.4   100.4   167.9
  648.7       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0    50.8    27.4   100.4   167.9
  648.7       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0    57.6   108.5   171.9   281.1
 1023.1       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0    64.4   189.7   243.5   394.4
 1397.6       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0    64.4   189.7   243.5   394.4
 1397.6       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0    64.4   189.7   243.5   394.4
 1397.6       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   107.3   131.8   215.5   410.1
 1445.2       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   150.3      74   187.4   425.8
 1492.8       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   150.3      74   187.4   425.8
 1492.8       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   150.3      74   187.4   425.8
 1492.8       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0   118.5    89.1   176.1   270.5
  807       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0    86.7   104.2   164.7   115.2
  121.2       0       0       0       0       0       0       0
      0       0
      0       0       0       0       0       0       0       0
      0       0       0       0    86.7   104.2   164.7   115.2
```

```
121.2      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   86.7  104.2  164.7  115.2
121.2      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0     61  117.9  442.7   73.1
 75.9      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   35.3  131.7  720.7     31
 30.6      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   35.3  131.7  720.7     31
 30.6      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   35.3  131.7  720.7     31
 30.6      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   55.2  229.6  819.2    542
 93.2      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   75.1  327.5  917.7 1052.9
155.7      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   75.1  327.5  917.7 1052.9
155.7      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   75.1  327.5  917.7 1052.9
155.7      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   66.5  533.5  749.2  764.3
1527.4     0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   57.9  739.6  580.6  475.8
2899.2     0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   57.9  739.6  580.6  475.8
2899.2     0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   57.9  739.6  580.6  475.8
2899.2     0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   58.1  438.5  401.5  398.9
2228.5     0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   58.2  137.4  222.3    322
1557.8     0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   58.2  137.4  222.3    322
1557.8     0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   58.2  137.4  222.3    322
1557.8     0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   49.8   92.7  147.6  270.4
 841.4     0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   41.4     48     73  218.8
 125.1     0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   41.4     48     73  218.8
 125.1     0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   41.4     48     73  218.8
 125.1     0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0     35   41.9  141.1  319.3
 140.6     0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   28.5   35.7  209.3  419.7
 156.2     0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   28.5   35.7  209.3  419.7
 156.2     0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   28.5   35.7  209.3  419.7
 156.2     0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   24.6   43.4  227.9  672.3
1163.8     0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   20.7   51.2  246.5  924.8
2171.4     0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   20.7   51.2  246.5  924.8
```

```
2171.4      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   20.7   51.2  246.5  924.8
2171.4      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   24.8   41.7  210.6  694.5
1469.5      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   28.8   32.3  174.7  464.2
 767.5      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   28.8   32.3  174.7  464.2
 767.5      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   28.8   32.3  174.7  464.2
 767.5      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   37.7   69.1  377.7  896.8
 686.1      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   46.6  105.9  580.8 1329.3
 604.6      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   46.6  105.9  580.8 1329.3
 604.6      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   46.6  105.9  580.8 1329.3
 604.6      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0     72  166.5 1319.3 1383.3
 970.6      0      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0   97.4    227 2057.9 1437.4
1336.5      0      0      0      0      0      0      0
    0      0
POPULATION11
    0      0      0      0      0      0      0      0
    0      0      0      0      0      0      0      0
    0 6158.07      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0      0      0      0      0
    0 6158.07      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0      0      0      0      0
    0 8361.811      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0      0      0      0      0
    0 10566.35      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0      0      0      0      0
    0 10566.35      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0      0      0      0      0
    0 10566.35      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0      0      0      0      0
    0 9291.165      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0      0      0      0      0
    0 8015.985      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0      0      0      0      0
    0 8015.985      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0      0      0      0      0
    0 8015.985      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0      0      0      0      0
    0 18417.77      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
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    0 28819.54      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
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    0 28819.54      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
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    0 28819.54      0      0      0      0      0      0
    0      0
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    0 42000.64      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
    0      0      0      0      0      0      0      0
    0 55180.95      0      0      0      0      0      0
    0      0
    0      0      0      0      0      0      0      0
```

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0	0
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0	0	0	0	0	0	0	0
0	55180.95	0	0	0	0	0	0
0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	38161.59	0	0	0	0	0	0
0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	21141.44	0	0	0	0	0	0
0	0
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0	0
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0	0
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0	0	0	0	0	0	0	0
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0	2840.535	0	0	0	0	0	0
0	0
0	0	0	0	0	0	0	0
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0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	2616.345	0	0	0	0	0	0
0	0
0	0	0	0	0	0	0	0
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0	0
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0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	 1559.79	0	0	0	0	0	0
0	0
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0	0	0	0	0	0	0	0
0	 727.425	0	0	0	0	0	0
0	0
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0	0
0	0	0	0	0	0	0	0
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0	133435.2	0	0	0	0	0	0
0	0
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0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
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0	0
0	0	0	0	0	0	0	0
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0	0
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0	0	0	0	0	0	0	0
0	85375.84	0	0	0	0	0	0
0	0
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0	0	0	0	0	0	0	0
0	46828.68	0	0	0	0	0	0
0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	8281.516	0	0	0	0	0	0
0	0
0	0	0	0	0	0	0	0
```

```
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0 0
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0 8281.516 0 0 0 0 0 0
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0 0 0 0 0 0 0 0
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0 0
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0 0 0 0 0 0 0 0
0 7697.985 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0
0 6158.07 0 0 0 0 0 0
0 0
POPULATION12
0 0 0 0 0 0 0 0.05
0 0.375 0.455 2.205 4.87 11.35 102.895 71.87
66.825 38.73 14578 23266 53790 58178 144007 307909
5990 0
0 0 0 0 0 0 0 0.05
0 0.375 0.455 2.205 4.87 11.35 102.895 71.87
66.825 38.73 14578 23266 53790 58178 144007 307909
5990 0
0 0 0 0 0 0 0.015 0.025
0.04 0.325 0.59 2.73 6.65 8.535 57.895 43.92
46.63 52.59 35073 25288 55925 90244 94416 344069
63680 8
0 0 0 0 0 0 0.03 0
0.075 0.28 0.725 3.255 8.429999 5.715 12.89 15.965
26.435 66.455 55569 27311 58059 122309 44825 380230
121371 16
0 0 0 0 0 0 0.03 0
0.075 0.28 0.725 3.255 8.429999 5.715 12.89 15.965
26.435 66.455 55569 27311 58059 122309 44825 380230
121371 16
0 0 0 0 0 0 0.03 0
0.075 0.28 0.725 3.255 8.429999 5.715 12.89 15.965
26.435 66.455 55569 27311 58059 122309 44825 380230
121371 16
0 0 0 0 0 0.01 0.055 0.085
0.04 0.405 0.66 2.255 5.275 4.51 9.7 17.8
26.185 58.435 42372 54016 107327 345198 240492 1082362
239683 37261
0 0 0 0 0 0.025 0.075 0.165
0 0.53 0.6 1.25 2.12 3.3 6.515 19.635
25.94 50.415 29175 80721 156594 568087 436159 1784494
357994 74505
```

0 0 0 0 0 0.025 0.075 0.165
0 0.53 0.6 1.25 2.12 3.3 6.515 19.635
25.94 50.415 29175 80721 156594 568087 436159 1784494
357994 74505
0 0 0 0 0 0.025 0.075 0.165
0 0.53 0.6 1.25 2.12 3.3 6.515 19.635
25.94 50.415 29175 80721 156594 568087 436159 1784494
357994 74505
0 0 0 0 0 0.01 0.065 0.085
0.035 0.545 0.615 1.19 2.33 2.335 5.765 14.015
29.185 115.835 39984 345788 232664 1873291 692315 1450802
182707 37253
0 0 0 0 0 0 0.055 0.005
0.07 0.56 0.635 1.125 2.54 1.37 5.02 8.395
32.435 181.255 50793 610856 308735 3178496 948471 1117110
7420 0
0 0 0 0 0 0 0.055 0.005
0.07 0.56 0.635 1.125 2.54 1.37 5.02 8.395
32.435 181.255 50793 610856 308735 3178496 948471 1117110
7420 0
0 0 0 0 0 0 0.055 0.005
0.07 0.56 0.635 1.125 2.54 1.37 5.02 8.395
32.435 181.255 50793 610856 308735 3178496 948471 1117110
7420 0
0 0 0 0 0 0 0.03 0.03
0.085 0.475 0.74 1.8 2.88 5.425 8.595 14.055
51.155 264.155 53538 410254 194203 1641170 474236 558555
3710 0
0 0 0 0 0 0.005 0.005 0.06
1.E-01 0.39 0.85 2.47 3.22 9.485 12.175 19.72
69.88 347.05 56283 209653 79672 103844 0 0
0 0
0 0 0 0 0 0.005 0.005 0.06
1.E-01 0.39 0.85 2.47 3.22 9.485 12.175 19.72
69.88 347.05 56283 209653 79672 103844 0 0
0 0
0 0 0 0 0 0.005 0.005 0.06
1.E-01 0.39 0.85 2.47 3.22 9.485 12.175 19.72
69.88 347.05 56283 209653 79672 103844 0 0
0 0
0 0 0 0 0 0 0.03
0.11 0.41 0.765 2.53 5.365 6.59 10.775 20.505
72.26 240.01 30358 118948 74821 59594 0 0
0 0
0 0 0 0 0 0 0 0
0.115 0.43 0.685 2.585 7.515 3.7 9.37 21.29
74.64 132.965 4432 28244 69971 15344 0 0
0 0
0 0 0 0 0 0 0 0
0.115 0.43 0.685 2.585 7.515 3.7 9.37 21.29
74.64 132.965 4432 28244 69971 15344 0 0
0 0
0 0 0 0 0 0 0 0
0.115 0.43 0.685 2.585 7.515 3.7 9.37 21.29
74.64 132.965 4432 28244 69971 15344 0 0
0 0
0 0 0 0 0 0 0 0
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40.35 75.415 5280 26398 49706 10925 0 0
0 0
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6.06 17.865 6127 24552 29442 6505 0 0
0 0
0 0 0 0 0 0 0 0
0 0.13 0.87 2.22 4.335 5.21 8.235 5.76
6.06 17.865 6127 24552 29442 6505 0 0
0 0
0 0 0 0 0 0 0 0
0 0.13 0.87 2.22 4.335 5.21 8.235 5.76
6.06 17.865 6127 24552 29442 6505 0 0
0 0
0 0 0 0 0 0 0.025 0.01 0
0.015 0.115 0.955 2.06 3.05 5.895 22.135 3.655
3.795 16.455 4321 17078 28729 24987 88 0
0 0
0 0 0 0 0 0 0.05 0.015 0
0.03 1.E-01 1.04 1.905 1.765 6.585 36.035 1.55
1.53 15.05 2516 9605 28016 43469 175 0
0 0
0 0 0 0 0 0 0.05 0.015 0
0.03 1.E-01 1.04 1.905 1.765 6.585 36.035 1.55
1.53 15.05 2516 9605 28016 43469 175 0
0 0
0 0 0 0 0 0 0.05 0.015 0
0.03 1.E-01 1.04 1.905 1.765 6.585 36.035 1.55
1.53 15.05 2516 9605 28016 43469 175 0
0 0
0 0 0 0 0 0 0.025 0.015 0.015
0.035 0.145 0.7 2.505 2.76 11.48 40.96 27.1
4.66 9.809999 2144 12626 24286 34494 120104 151270
11241 0
0 0 0 0 0 0 0 0.01 0.025
0.04 0.19 0.365 3.11 3.755 16.375 45.885 52.645
7.785 4.575 1772 15648 20556 25519 240033 302539
22481 0
0 0 0 0 0 0 0 0.01 0.025
0.04 0.19 0.365 3.11 3.755 16.375 45.885 52.645
7.785 4.575 1772 15648 20556 25519 240033 302539
22481 0
0 0 0 0 0 0 0 0.01 0.025
0.04 0.19 0.365 3.11 3.755 16.375 45.885 52.645
7.785 4.575 1772 15648 20556 25519 240033 302539
22481 0
0 0 0 0 0 0 0.045 0.04 0.015
0.055 0.49 0.7 2.39 3.325 26.675 37.46 38.215
76.37 421.895 41405 91440 111283 37522 253353 462045
264151 2067123
0 0 0 0 0 0 0.095 0.07 0
0.07 0.785 1.035 1.675 2.895 36.98 29.03 23.79
144.96 839.215 81037 167231 202011 49525 266674 621551
505820 4134247

```
     0       0       0       0       0    0.095    0.07       0
  0.07    0.785    1.035    1.675    2.895    36.98    29.03    23.79
 144.96   839.215    81037   167231   202011    49525   266674   621551
 505820   4134247
     0       0       0       0       0    0.095    0.07       0
  0.07    0.785    1.035    1.675    2.895    36.98    29.03    23.79
 144.96   839.215    81037   167231   202011    49525   266674   621551
 505820   4134247
     0       0       0       0       0    0.045    0.06       0
 0.225    1.215     0.96    1.755    2.905   21.925   20.075   19.945
111.425   688.085    73311   236004   352160    60457   178128   626154
898376   3823030
     0       0       0       0       0       0       0    0.05       0
 0.385     1.64     0.89    1.835     2.91     6.87   11.115     16.1
 77.89   536.955    65586   304777   502310    71390    89583   630757
1290932   3511814
     0       0       0       0       0       0       0    0.05       0
 0.385     1.64     0.89    1.835     2.91     6.87   11.115     16.1
 77.89   536.955    65586   304777   502310    71390    89583   630757
1290932   3511814
     0       0       0       0       0       0       0    0.05       0
 0.385     1.64     0.89    1.835     2.91     6.87   11.115     16.1
 77.89   536.955    65586   304777   502310    71390    89583   630757
1290932   3511814
     0       0    0.04       0       0    0.015    0.05    0.085
 0.285     1.08     0.73    1.745     2.49    4.635     7.38    13.52
 42.07   294.52    41336   174749   276692    62277    62795   452745
968879   3353601
     0       0   0.075       0       0    0.035    0.05    0.17
 0.185     0.52    0.565     1.66     2.07      2.4     3.65    10.94
 6.255   52.085    17086    44721    51075    53165    36007   274733
646826   3195388
     0       0   0.075       0       0    0.035    0.05    0.17
 0.185     0.52    0.565     1.66     2.07      2.4     3.65    10.94
 6.255   52.085    17086    44721    51075    53165    36007   274733
646826   3195388
     0       0   0.075       0       0    0.035    0.05    0.17
 0.185     0.52    0.565     1.66     2.07      2.4     3.65    10.94
 6.255   52.085    17086    44721    51075    53165    36007   274733
646826   3195388
     0       0    0.04       0       0     0.08    0.03   1.E-01
 0.095    0.695    1.545     1.76    1.75    2.095    7.055   15.965
  7.03    62.74    14097    33118    54364    51482    83732   385030
1111245   3472321
     0       0       0       0       0     0.13   0.015    0.03
  0.01    0.875     2.52    1.865    1.425    1.785   10.465   20.985
  7.81     73.4    11108    21515    57654    49799   131457   495327
1575665   3749254
     0       0       0       0       0     0.13   0.015    0.03
  0.01    0.875     2.52    1.865    1.425    1.785   10.465   20.985
  7.81     73.4    11108    21515    57654    49799   131457   495327
1575665   3749254
     0       0       0       0       0     0.13   0.015    0.03
  0.01    0.875     2.52    1.865    1.425    1.785   10.465   20.985
  7.81     73.4    11108    21515    57654    49799   131457   495327
1575665   3749254
     0       0   0.025    0.02       0    0.065    0.01    0.015
  0.13     0.59     1.47    1.385     1.23     2.17   11.395   33.615
 58.19    77.62     9453    22538    35246    72651   208798   992232
1855143   4794612
     0       0   0.055   0.035       0       0       0       0
  0.25     0.31    0.425     0.91    1.035     2.56   12.325    46.24
 108.57    81.84     7799    23562    12839    95503   286139  1489138
2134621   5839970
     0       0   0.055   0.035       0       0       0       0
  0.25     0.31    0.425     0.91    1.035     2.56   12.325    46.24
 108.57    81.84     7799    23562    12839    95503   286139  1489138
2134621   5839970
     0       0   0.055   0.035       0       0       0       0
  0.25     0.31    0.425     0.91    1.035     2.56   12.325    46.24
 108.57    81.84     7799    23562    12839    95503   286139  1489138
2134621   5839970
     0       0   0.025    0.02       0    0.03       0   0.025
 0.125     0.44    0.375     0.63     1.24    2.085    10.53   34.725
 73.475   77.265    37123    25951    16476    73091   165329   822067
1128816   3043298
     0       0       0       0       0   0.055       0    0.05
     0    0.57     0.33     0.35     1.44    1.615    8.735    23.21
 38.375  72.68999    66446    28340    20114    50680    44519   154997
 123012   246625
     0       0       0       0       0   0.055       0    0.05
     0    0.57     0.33     0.35     1.44    1.615    8.735    23.21
 38.375  72.68999    66446    28340    20114    50680    44519   154997
 123012   246625
     0       0       0       0       0   0.055       0    0.05
     0    0.57     0.33     0.35     1.44    1.615    8.735    23.21
 38.375  72.68999    66446    28340    20114    50680    44519   154997
 123012   246625
     0       0       0       0   0.005    0.04       0   0.025
     0   0.285     0.73     1.29    1.885    3.455   18.885    44.84
 34.305   65.395    44684    18611    31024    48774    45737   372300
 61506   123313
     0       0       0       0   0.015   0.025       0       0
     0       0    1.13    2.225    2.33    5.295    29.04   66.465
 30.23    58.1    22922     8881    41934    46868    46955   589604
     0       0
     0       0       0       0   0.015   0.025       0       0
     0       0    1.13    2.225    2.33    5.295    29.04   66.465
 30.23    58.1    22922     8881    41934    46868    46955   589604
     0       0
     0       0       0       0   0.015   0.025       0       0
     0       0    1.13    2.225    2.33    5.295    29.04   66.465
 30.23    58.1    22922     8881    41934    46868    46955   589604
     0       0
     0       0       0       0   0.005    0.01       0   0.025
     0   0.185    0.795    2.215     3.6    8.325   65.965   69.165
 48.53   48.415    18750    16074    47862    52523    95481   448756
  2995       0
     0       0       0       0       0       0       0    0.05
     0   0.375    0.455    2.205    4.87    11.35  102.895    71.87
 66.825    38.73    14578    23266    53790    58178   144007   307909
  5990       0
```

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LAND FRACTION
0.00 0.99 0.00 0.00 0.00 0.00 0.96 0.96 0.00 0.96 0.96 0.96 0.96 0.96 0.96 0.96
0.96 0.98 0.99 0.99 0.99 0.99 0.98 0.86 0.95 0.00
0.00 0.99 0.00 0.00 0.00 0.00 0.96 0.96 0.00 0.96 0.96 0.96 0.96 0.96 0.96 0.96
0.96 0.98 0.99 0.99 0.99 0.99 0.98 0.86 0.95 0.00
0.00 0.50 0.00 0.00 0.00 0.00 0.96 0.96 0.48 0.96 0.96 0.96 0.96 0.96 0.96 0.96
0.96 0.98 0.99 0.99 0.99 0.99 0.98 0.91 0.95 0.49
0.00 0.00 0.00 0.00 0.00 0.00 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.96
0.96 0.98 0.99 0.99 0.99 0.98 0.98 0.96 0.95 0.97
0.00 0.00 0.00 0.00 0.00 0.00 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.96
0.96 0.98 0.99 0.99 0.99 0.98 0.98 0.96 0.95 0.97
0.00 0.00 0.00 0.00 0.00 0.00 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.96
0.96 0.98 0.99 0.99 0.99 0.98 0.98 0.96 0.95 0.97
0.00 0.48 0.00 0.00 0.48 0.48 0.96 0.96 0.48 0.96 0.96 0.96 0.96 0.96 0.97 0.97
0.97 0.99 0.99 0.99 0.99 0.98 0.96 0.96 0.92 0.94
0.00 0.96 0.00 0.00 0.96 0.96 0.96 0.96 0.00 0.96 0.96 0.96 0.96 0.96 0.97 0.98
0.99 0.99 0.99 0.99 0.98 0.97 0.93 0.96 0.90 0.91
0.00 0.96 0.00 0.00 0.96 0.96 0.96 0.96 0.00 0.96 0.96 0.96 0.96 0.96 0.97 0.98
0.99 0.99 0.99 0.99 0.98 0.97 0.93 0.96 0.90 0.91
0.00 0.96 0.00 0.00 0.96 0.96 0.96 0.96 0.00 0.96 0.96 0.96 0.96 0.96 0.97 0.98
0.99 0.99 0.99 0.99 0.98 0.97 0.93 0.96 0.90 0.91
0.00 0.48 0.00 0.00 0.48 0.96 0.96 0.96 0.48 0.96 0.96 0.96 0.96 0.97 0.98 0.99
0.99 0.99 0.99 0.99 0.97 0.89 0.75 0.84 0.60 0.46
0.00 0.00 0.00 0.00 0.00 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.98 0.99 0.99
0.99 0.99 0.98 0.98 0.96 0.81 0.56 0.72 0.30 0.00
0.00 0.00 0.00 0.00 0.00 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.98 0.99 0.99
0.99 0.99 0.98 0.98 0.96 0.81 0.56 0.72 0.30 0.00
0.00 0.00 0.00 0.00 0.00 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.96 0.98 0.99 0.99
0.99 0.99 0.98 0.98 0.96 0.81 0.56 0.72 0.30 0.00
0.50 0.48 0.00 0.00 0.00 0.96 0.96 0.96 0.96 0.96 0.96 0.97 0.97 0.99 0.98 0.98
0.96 0.94 0.96 0.97 0.94 0.75 0.28 0.36 0.15 0.00
0.99 0.96 0.00 0.00 0.00 0.96 0.96 0.96 0.96 0.96 0.96 0.97 0.99 0.99 0.97 0.97
0.93 0.88 0.93 0.96 0.93 0.70 0.00 0.00 0.00 0.00
0.99 0.96 0.00 0.00 0.00 0.96 0.96 0.96 0.96 0.96 0.96 0.97 0.99 0.99 0.97 0.97
0.93 0.88 0.93 0.96 0.93 0.70 0.00 0.00 0.00 0.00
0.99 0.96 0.00 0.00 0.00 0.96 0.96 0.96 0.96 0.96 0.96 0.97 0.99 0.99 0.97 0.97
0.93 0.88 0.93 0.96 0.93 0.70 0.00 0.00 0.00 0.00
0.50 0.48 0.00 0.00 0.00 0.48 0.48 0.48 0.96 0.96 0.94 0.93 0.92 0.91 0.90 0.90
0.89 0.87 0.91 0.87 0.81 0.77 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.96 0.96 0.92 0.89 0.85 0.83 0.83 0.83
0.85 0.86 0.90 0.78 0.68 0.84 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.96 0.96 0.92 0.89 0.85 0.83 0.83 0.83
0.85 0.86 0.90 0.78 0.68 0.84 0.00 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.96 0.96 0.92 0.89 0.85 0.83 0.83 0.83
0.85 0.86 0.90 0.78 0.68 0.84 0.00 0.00 0.00 0.00
0.00 0.00 0.49 0.00 0.00 0.00 0.00 0.00 0.48 0.89 0.88 0.86 0.84 0.83 0.83 0.83
0.84 0.83 0.84 0.76 0.71 0.80 0.00 0.00 0.00 0.00
0.00 0.00 0.97 0.00 0.00 0.00 0.00 0.00 0.00 0.83 0.83 0.83 0.83 0.83 0.83 0.83
0.83 0.80 0.78 0.74 0.74 0.77 0.00 0.00 0.00 0.00
0.00 0.00 0.97 0.00 0.00 0.00 0.00 0.00 0.00 0.83 0.83 0.83 0.83 0.83 0.83 0.83
0.83 0.80 0.78 0.74 0.74 0.77 0.00 0.00 0.00 0.00
0.00 0.00 0.97 0.00 0.00 0.00 0.00 0.00 0.00 0.83 0.83 0.83 0.83 0.83 0.83 0.83
0.83 0.80 0.78 0.74 0.74 0.77 0.00 0.00 0.00 0.00
0.00 0.00 0.49 0.00 0.00 0.50 0.50 0.50 0.42 0.83 0.83 0.83 0.83 0.83 0.83 0.83
0.79 0.74 0.75 0.78 0.76 0.70 0.17 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0.99 0.99 0.99 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84
0.76 0.68 0.73 0.82 0.78 0.63 0.34 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0.99 0.99 0.99 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84
0.76 0.68 0.73 0.82 0.78 0.63 0.34 0.00 0.00 0.00
0.00 0.00 0.00 0.00 0.00 0.99 0.99 0.99 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84
0.76 0.68 0.73 0.82 0.78 0.63 0.34 0.00 0.00 0.00
0.00 0.50 0.50 0.00 0.00 0.99 0.99 0.91 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84
0.81 0.69 0.71 0.73 0.67 0.63 0.49 0.38 0.40 0.00
0.00 0.99 0.99 0.00 0.00 0.99 0.99 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84
0.85 0.69 0.69 0.65 0.57 0.64 0.65 0.77 0.80 0.00
0.00 0.99 0.99 0.00 0.00 0.99 0.99 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84
0.85 0.69 0.69 0.65 0.57 0.64 0.65 0.77 0.80 0.00
0.00 0.99 0.99 0.00 0.00 0.99 0.99 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84
0.85 0.69 0.69 0.65 0.57 0.64 0.65 0.77 0.80 0.00
0.00 0.50 0.99 0.00 0.00 0.99 0.99 0.42 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.85
0.87 0.78 0.72 0.73 0.67 0.78 0.81 0.88 0.88 0.44
0.00 0.00 0.99 0.00 0.00 0.99 0.99 0.00 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.87
0.88 0.88 0.74 0.82 0.77 0.93 0.97 0.98 0.95 0.89
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REGION INDEX
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WATERSHED INDEX
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CROP SEASON AND SHARE
  1 PASTURE                90. 270.  0.4100
  2 STORED FORAGE         150. 240.  0.1300
  3 GRAINS                150. 240.  0.2100
  4 GRN LEAFY VEGETABLES  150. 240.  0.0020
  5 OTHER FOOD CROPS      150. 240.  0.0040
  6 LEGUMES AND SEEDS     150. 240.  0.1500
  7 ROOTS AND TUBERS      150. 240.  0.0030
WATERSHED DEFINITION  -- INITIAL AND ANNUAL WASHOFF AND INGESTION FACTORS
  1 Sr-89                   5.00E-06      0.0
  2 Sr-90                   5.00E-06      0.0
  3 Cs-134                  5.00E-06      0.0
  4 Cs-137                  5.00E-06      0.0
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  1 EXCLUSION      .493 .164    1393.0   12941.6  233218.6
  2 REGION_02      .493 .164    1393.0   12941.6  233218.6
  3 REGION_03      .678 .333    5221.1   21426.1  234994.2
  4 REGION_04      .678 .333    5221.1   21426.1  234994.0
  5 REGION_05      .327 .186    1943.4   10750.6  213214.4
  6 REGION_06      .322 .627     899.5    4085.8  193086.4
  7 REGION_07      .000 .000       0.0       0.0       0.0
  8 REGION_08      .000 .000       0.0       0.0       0.0
  9 REGION_09      .678 .333    5221.1   21426.1  234994.2
 10 REGION_10      .678 .333    5221.1   21426.1  234994.3
 11 REGION_11      .276 .142    2095.8   13396.2  229678.7
 12 REGION_12      .183 .521     830.5    4691.9  202840.3
 13 REGION_13      .000 .000       0.0       0.0       0.0
 14 REGION_14      .678 .333    5221.1   21426.1  234994.2
 15 REGION_15      .678 .333    5221.1   21426.1  234994.2
 16 REGION_16      .602 .286    5408.1   22914.7  269246.8
 17 REGION_17      .314 .127    2237.8   23715.1  334669.0
 18 REGION_18      .091 .237    1229.2   11059.4  235490.6
 19 REGION_19      .000 .000       0.0       0.0       0.0
 20 REGION_20      .678 .333    5221.1   21426.1  234994.2
 21 REGION_21      .678 .333    5221.1   21426.1  234994.3
 22 REGION_22      .443 .186    5799.5   26029.9  340928.5
 23 REGION_23      .191 .070    2361.9   36713.0  346735.1
 24 REGION_24      .086 .046    8196.1   43486.7  311650.0
 25 REGION_25      .000 .000       0.0       0.0       0.0
 26 REGION_26      .678 .333    5221.1   21426.1  234994.2
 27 REGION_27      .678 .333    5221.1   21426.1  234994.2
 28 REGION_28      .382 .132    5495.9   25692.3  350421.2
 29 REGION_29      .196 .040    2967.0   22984.9  277378.8
 30 REGION_30      .033 .000    2442.6   38497.5  262022.8
 31 REGION_31      .000 .000       0.0       0.0       0.0
 32 REGION_32      .000 .000       0.0       0.0       0.0
 33 REGION_33      .618 .273    4711.6   20378.6  235866.5
 34 REGION_34      .350 .008    2542.2   16061.5  244061.7
 35 REGION_35      .209 .027    4061.8   14682.1  247490.6
 36 REGION_36      .084 .000    6970.5   15611.0  256084.4
 37 REGION_37      .000 .000       0.0       0.0       0.0
 38 REGION_38      .666 .322    4970.1   20869.8  234877.8
 39 REGION_39      .346 .000    2396.9   15619.7  239829.4
 40 REGION_40      .346 .001    2390.0   15608.8  239997.2
 41 REGION_41      .444 .060    2595.9   11246.9  230213.9
 42 REGION_42      .467 .013    4158.9   10106.0  217217.5
 43 REGION_43      .000 .000       0.0       0.0       0.0
 44 REGION_44      .493 .164    1393.0   12941.6  233218.6
 45 REGION_45      .303 .315     900.8   13187.7  273921.2
 46 REGION_46      .289 .327     863.3   13206.5  277027.4
 47 REGION_47      .515 .040    2730.9    9172.1  227936.3
 48 REGION_48      .361 .001    3979.4    6895.0  200594.0
 49 REGION_49      .000 .000       0.0       0.0       0.0
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 51 REGION_51      .301 .317     895.6   13190.3  274356.8
 52 REGION_52      .289 .327     863.3   13206.5  277026.9
 53 REGION_53      .455 .043    1230.4    9361.0  267918.8
 54 REGION_54      .277 .002    1363.4    7100.2  199006.0
 55 REGION_55      .000 .000       0.0       0.0       0.0
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 57 REGION_57      .309 .310     916.4   13179.9  272631.7
 58 REGION_58      .257 .249    1320.9   14798.8  289775.8
 59 REGION_59      .157 .022     726.8   14565.3  285095.8
 60 REGION_60      .311 .043    1605.9    7828.6  198615.7
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 62 REGION_62      .000 .000       0.0       0.0       0.0
 63 REGION_63      .329 .295     966.3   13154.9  268506.3
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 65 REGION_65      .202 .075   1278.1  18214.2  364175.0
 66 REGION_66      .272 .049   1082.0   6868.9  186989.3
 67 REGION_67      .000 .000      0.0      0.0       0.0
 68 REGION_68      .493 .164   1393.0  12941.6  233218.6
 69 REGION_69      .455 .194   1295.2  12990.5  241305.4
 70 REGION_70      .236 .177   1734.2  16172.0  299488.0
 71 REGION_71      .453 .304   1115.2  15936.2  283157.3
 72 REGION_72      .463 .046    596.2   4628.9  173031.0
 73 REGION_73      .000 .000      0.0      0.0       0.0
 74 REGION_74      .493 .164   1393.0  12941.6  233218.6
 75 REGION_75      .493 .164   1393.0  12941.6  233218.6
 76 REGION_76      .462 .155   1486.6  13484.1  241853.6
 77 REGION_77      .464 .393   1631.5  10633.0  225960.7
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 79 REGION_79      .000 .000      0.0      0.0       0.0
 80 REGION_80      .493 .164   1393.0  12941.6  233218.6
 81 REGION_81      .493 .164   1393.0  12941.6  233218.6
 82 REGION_82      .493 .164   1393.0  12941.6  233218.8
 83 REGION_83      .409 .423   1596.2   9559.0  216875.6
 84 REGION_84      .542 .249   1032.8   6850.8  215564.2
 85 REGION_85      .000 .000      0.0      0.0       0.0
 86 REGION_86      .493 .164   1393.0  12941.6  233218.6
 87 REGION_87      .500 .170   1541.8  13271.4  233287.6
 88 REGION_88      .498 .168   1487.8  13151.6  233262.7
 89 REGION_89      .369 .357   1697.9  10004.5  211758.9
 90 REGION_90      .132 .268    446.8   4939.7  194466.8
 91 REGION_91      .000 .000      0.0      0.0       0.0
 92 REGION_92      .493 .164   1393.0  12941.6  233218.6
 93 REGION_93      .678 .333   5221.1  21426.1  234994.1
 94 REGION_94      .678 .333   5217.0  21417.1  234992.2
 95 REGION_95      .406 .260   2375.4  11626.5  216363.5
 96 REGION_96      .342 .453   1050.6   4558.4  200112.7
 97 REGION_97      .000 .000      0.0      0.0       0.0


******** BEGINNING OF CHANGE CASE   1 USER INPUT ********
     *
     * CSFACT - Cloudshine shielding factor
 273  SECSFACT001      1.
********   RECORD NUMBER   273 REPLACES RECORD NUMBER    25   ********
 274  SECSFACT002      0.6
********   RECORD NUMBER   274 REPLACES RECORD NUMBER    26   ********
 275  SECSFACT003      0.5
********   RECORD NUMBER   275 REPLACES RECORD NUMBER    27   ********
     *
     * PROTIN - Inhalation protection factor
 276  SEPROTIN001      0.98
********   RECORD NUMBER   276 REPLACES RECORD NUMBER    28   ********
 277  SEPROTIN002      0.46
********   RECORD NUMBER   277 REPLACES RECORD NUMBER    29   ********
 278  SEPROTIN003      0.33
********   RECORD NUMBER   278 REPLACES RECORD NUMBER    30   ********
     *
     * BRRATE - Breathing rates
 279  SEBRRATE001      2.66E-04
********   RECORD NUMBER   279 REPLACES RECORD NUMBER    31   ********
 280  SEBRRATE002      2.66E-04
********   RECORD NUMBER   280 REPLACES RECORD NUMBER    32   ********
 281  SEBRRATE003      2.66E-04
********   RECORD NUMBER   281 REPLACES RECORD NUMBER    33   ********
     *
     * SKPFAC - skin protection factors
 282  SESKPFAC001      0.98
********   RECORD NUMBER   282 REPLACES RECORD NUMBER    34   ********
 283  SESKPFAC002      0.46
********   RECORD NUMBER   283 REPLACES RECORD NUMBER    35   ********
 284  SESKPFAC003      0.33
********   RECORD NUMBER   284 REPLACES RECORD NUMBER    36   ********
     *
     * GSHFAC - groundshine shielding factors
 285  SEGSHFAC001      0.5
********   RECORD NUMBER   285 REPLACES RECORD NUMBER    37   ********
 286  SEGSHFAC002      0.18
********   RECORD NUMBER   286 REPLACES RECORD NUMBER    38   ********
 287  SEGSHFAC003      0.1
********   RECORD NUMBER   287 REPLACES RECORD NUMBER    39   ********
     *
     * EANAM2 - Name of emergency response cohort
 288  EZEANAM2001      '0-10 Early Evacuees'
********   RECORD NUMBER   288 REPLACES RECORD NUMBER    42   ********
     *
     * WTFRAC - weighting fraction applied to results of emergency response cohort
 289  EZWTFRAC001      0.2
********   RECORD NUMBER   289 REPLACES RECORD NUMBER    44   ********
     *
     * TRAVELPOINT - determines whether boundary or centerpoint of destination is evacuee objective.
 290  TRAVELPOINT      CENTERPOINT
********   RECORD NUMBER   290 REPLACES RECORD NUMBER    46   ********
     *
     * ESPEED - evacuee travel speed during the three phases of evacuation
 291  EZESPEED001      8.941
********   RECORD NUMBER   291 REPLACES RECORD NUMBER    47   ********
 292  EZESPEED002      4.47
********   RECORD NUMBER   292 REPLACES RECORD NUMBER    48   ********
 293  EZESPEED003      8.941
********   RECORD NUMBER   293 REPLACES RECORD NUMBER    49   ********
     *
     * ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
 294  EZESPMUL001      0.7
********   RECORD NUMBER   294 REPLACES RECORD NUMBER    50   ********
 295  EZESPMUL002      0.7
********   RECORD NUMBER   295 REPLACES RECORD NUMBER    51   ********
 296  EZESPMUL003      0.7
********   RECORD NUMBER   296 REPLACES RECORD NUMBER    52   ********
     *
     * REFPNT - Defines reference time point for actions in evacuation ans sheltering zone.
 297  EZREFPNT001      ALARM
********   RECORD NUMBER   297 REPLACES RECORD NUMBER    53   ********
     *
     * DURBEG - duration of initial phase (beginning) of evacuation, in seconds.
 298  EZDURBEG001      3600.
```

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********   RECORD NUMBER   298 REPLACES RECORD NUMBER    54   ********
      *
      * DURMID - duration of middle phase of evacuation, in seconds.
  299  EZDURMID001      7200.
********   RECORD NUMBER   299 REPLACES RECORD NUMBER    55   ********
      *
      * NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
  300  EZNUMEVA001      18
********   RECORD NUMBER   300 REPLACES RECORD NUMBER    56   ********
      *
      * DLTSHL - delay from reference time point to when individual takes shelter.  DLTEVA - delay elapsing between beginning of shelter period to when individuals begin evacuation.
  301  EZDLTSHL001      1800.
********   RECORD NUMBER   301 REPLACES RECORD NUMBER    57   ********
  302  EZDLTSHL002      1800.
********   RECORD NUMBER   302 REPLACES RECORD NUMBER    58   ********
  303  EZDLTSHL003      1800.
********   RECORD NUMBER   303 REPLACES RECORD NUMBER    59   ********
  304  EZDLTSHL004      1800.
********   RECORD NUMBER   304 REPLACES RECORD NUMBER    60   ********
  305  EZDLTSHL005      1800.
********   RECORD NUMBER   305 REPLACES RECORD NUMBER    61   ********
  306  EZDLTSHL006      1800.
********   RECORD NUMBER   306 REPLACES RECORD NUMBER    62   ********
  307  EZDLTSHL007      1800.
********   RECORD NUMBER   307 REPLACES RECORD NUMBER    63   ********
  308  EZDLTSHL008      1800.
********   RECORD NUMBER   308 REPLACES RECORD NUMBER    64   ********
  309  EZDLTSHL009      1800.
********   RECORD NUMBER   309 REPLACES RECORD NUMBER    65   ********
  310  EZDLTSHL010      1800.
********   RECORD NUMBER   310 REPLACES RECORD NUMBER    66   ********
  311  EZDLTSHL011      1800.
********   RECORD NUMBER   311 REPLACES RECORD NUMBER    67   ********
  312  EZDLTSHL012      1800.
********   RECORD NUMBER   312 REPLACES RECORD NUMBER    68   ********
  313  EZDLTSHL013      1800.
********   RECORD NUMBER   313 REPLACES RECORD NUMBER    69   ********
  314  EZDLTSHL014      1800.
********   RECORD NUMBER   314 REPLACES RECORD NUMBER    70   ********
  315  EZDLTSHL015      1800.
********   RECORD NUMBER   315 REPLACES RECORD NUMBER    71   ********
  316  EZDLTSHL016      1800.
********   RECORD NUMBER   316 REPLACES RECORD NUMBER    72   ********
  317  EZDLTSHL017      1800.
********   RECORD NUMBER   317 REPLACES RECORD NUMBER    73   ********
  318  EZDLTSHL018      1800.
********   RECORD NUMBER   318 REPLACES RECORD NUMBER    74   ********
      *
      * DLTEVA -Delay time to begin evacuation
  319  EZDLTEVA001      1800.
********   RECORD NUMBER   319 REPLACES RECORD NUMBER    75   ********
  320  EZDLTEVA002      1800.
********   RECORD NUMBER   320 REPLACES RECORD NUMBER    76   ********
  321  EZDLTEVA003      1800.
********   RECORD NUMBER   321 REPLACES RECORD NUMBER    77   ********
  322  EZDLTEVA004      1800.
********   RECORD NUMBER   322 REPLACES RECORD NUMBER    78   ********
  323  EZDLTEVA005      1800.
********   RECORD NUMBER   323 REPLACES RECORD NUMBER    79   ********
  324  EZDLTEVA006      1800.
********   RECORD NUMBER   324 REPLACES RECORD NUMBER    80   ********
  325  EZDLTEVA007      1800.
********   RECORD NUMBER   325 REPLACES RECORD NUMBER    81   ********
  326  EZDLTEVA008      1800.
********   RECORD NUMBER   326 REPLACES RECORD NUMBER    82   ********
  327  EZDLTEVA009      1800.
********   RECORD NUMBER   327 REPLACES RECORD NUMBER    83   ********
  328  EZDLTEVA010      1800.
********   RECORD NUMBER   328 REPLACES RECORD NUMBER    84   ********
  329  EZDLTEVA011      1800.
********   RECORD NUMBER   329 REPLACES RECORD NUMBER    85   ********
  330  EZDLTEVA012      1800.
********   RECORD NUMBER   330 REPLACES RECORD NUMBER    86   ********
  331  EZDLTEVA013      1800.
********   RECORD NUMBER   331 REPLACES RECORD NUMBER    87   ********
  332  EZDLTEVA014      1800.
********   RECORD NUMBER   332 REPLACES RECORD NUMBER    88   ********
  333  EZDLTEVA015      1800.
********   RECORD NUMBER   333 REPLACES RECORD NUMBER    89   ********
  334  EZDLTEVA016      1800.
********   RECORD NUMBER   334 REPLACES RECORD NUMBER    90   ********
  335  EZDLTEVA017      1800.
********   RECORD NUMBER   335 REPLACES RECORD NUMBER    91   ********
  336  EZDLTEVA018      1800.
********   RECORD NUMBER   336 REPLACES RECORD NUMBER    92   ********
      *
      * ESPGRD_NET - Evacuation speed multiplier for network evacuation
  337  EZESPGRD001      0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   337 REPLACES RECORD NUMBER    93   ********
  338  EZESPGRD002      0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   338 REPLACES RECORD NUMBER    94   ********
  339  EZESPGRD003      0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   339 REPLACES RECORD NUMBER    95   ********
  340  EZESPGRD004      0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   340 REPLACES RECORD NUMBER    96   ********
  341  EZESPGRD005      0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   341 REPLACES RECORD NUMBER    97   ********
  342  EZESPGRD006      0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   342 REPLACES RECORD NUMBER    98   ********
  343  EZESPGRD007      0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   343 REPLACES RECORD NUMBER    99   ********
  344  EZESPGRD008      0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   344 REPLACES RECORD NUMBER   100   ********
  345  EZESPGRD009      0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
```

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1. 1. 1. 1. 1. 0.75 0.75 0.75
******** RECORD NUMBER 345 REPLACES RECORD NUMBER 101 ********
 346 EZESPGRD010 0.75 0.75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. 0.75 0.75 0.75
******** RECORD NUMBER 346 REPLACES RECORD NUMBER 102 ********
 347 EZESPGRD011 0.75 0.75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. 0.75 0.75 0.75
******** RECORD NUMBER 347 REPLACES RECORD NUMBER 103 ********
 348 EZESPGRD012 0.75 0.75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. 0.75 0.75 0.75
******** RECORD NUMBER 348 REPLACES RECORD NUMBER 104 ********
 349 EZESPGRD013 0.75 0.75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 0.75 1.
1. 1. 1. 1. 1. 0.75 0.75 0.75
******** RECORD NUMBER 349 REPLACES RECORD NUMBER 105 ********
 350 EZESPGRD014 0.75 0.75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.5 1.5 1.5 1.5 1.5 1.5 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 0.75
1. 1. 1. 1. 1. 1. 0.75 0.75 0.75
******** RECORD NUMBER 350 REPLACES RECORD NUMBER 106 ********
 351 EZESPGRD015 0.75 0.75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.5 1.5 1.5 1. 1. 1. 1. 1. 1.5 1.5 1.5 1.5 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 0.75
1. 1. 1. 1. 1. 1. 0.75 0.75 0.75
******** RECORD NUMBER 351 REPLACES RECORD NUMBER 107 ********
 352 EZESPGRD016 0.75 0.75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. 0.75 0.75 0.75
******** RECORD NUMBER 352 REPLACES RECORD NUMBER 108 ********
 353 EZESPGRD017 0.75 0.75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. 0.75 0.75 0.75
******** RECORD NUMBER 353 REPLACES RECORD NUMBER 109 ********
 354 EZESPGRD018 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. 1. 1.
******** RECORD NUMBER 354 REPLACES RECORD NUMBER 110 ********
 355 EZESPGRD019 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. 1. 1.
******** RECORD NUMBER 355 REPLACES RECORD NUMBER 111 ********
      *
      * IDIREC - destination direction of every spatial element in the evacuation and sheltering region
 356 EZIDIREC001 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1
******** RECORD NUMBER 356 REPLACES RECORD NUMBER 112 ********
 357 EZIDIREC002 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1
******** RECORD NUMBER 357 REPLACES RECORD NUMBER 113 ********
 358 EZIDIREC003 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 2 1 4 4 4 4 2 2 2 2 2 1 1 1 4 4 4 4 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 4 1 1
******** RECORD NUMBER 358 REPLACES RECORD NUMBER 114 ********
 359 EZIDIREC004 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 2 2 1 1 1 1 4 4 4 2 2 1 4 4 2 1 4 4 2 1 1 4 2 1
4 4 4 4 4 1 1
******** RECORD NUMBER 359 REPLACES RECORD NUMBER 115 ********
 360 EZIDIREC005 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 1 1 1 1 1 2 1 4 4 2 2 1 4 4 2 2 1 4 4 2 2 1 4 4 2 1
1 1 1 1 1 1 1
******** RECORD NUMBER 360 REPLACES RECORD NUMBER 116 ********
 361 EZIDIREC006 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 2 1 1 4 2 2 1 2 1 4 4 2 2 1 4 4 4 4 4
4 4 1 1 1 1 1
******** RECORD NUMBER 361 REPLACES RECORD NUMBER 117 ********
 362 EZIDIREC007 2 2 1 2 2 1 2 2 1 4 2 1 4 2 2 1 1 1 1 1 1 1 1 1 1 1 2 2 1 4 4 2 1 1 1 1 4 4 2 2 1 1 4 4 1 1 4 1 4 4 4 1 4 4 4 4 4
4 1 1 1 1 1 1
******** RECORD NUMBER 362 REPLACES RECORD NUMBER 118 ********
 363 EZIDIREC008 1 4 1 1 4 2 1 4 2 1 1 4 2 2 1 1 2 1 1 1 4 4 4 1 1 1 1 1 1 4 1 4 2 1 4 4 2 1 2 1 2 1 4 2 1 4 2 1 1 4 4 1 4 4 4 2 2
1 1 1 1 1 2 2
******** RECORD NUMBER 363 REPLACES RECORD NUMBER 119 ********
 364 EZIDIREC009 1 1 4 2 1 1 2 1 1 4 1 4 1 4 1 1 1 2 1 1 1 4 4 4 1 1 4 1 2 2 2 1 1 2 1 4 2 1 2 1 2 1 1 4 1 4 1 4 4 4 4 1 4 2 1 4 1
4 1 1 1 2 2 2
******** RECORD NUMBER 364 REPLACES RECORD NUMBER 120 ********
 365 EZIDIREC010 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 4 4 2 2 2 2 1 2 1 4 4 1 1 1 4 2 1 4 4 2 2 1 1 1 1 1 4
4 4 2 2 1 1 1
******** RECORD NUMBER 365 REPLACES RECORD NUMBER 121 ********
 366 EZIDIREC011 1 1 4 2 1 4 2 1 4 4 4 4 2 2 1 4 4 2 2 2 2 2 2 1 4 4 1 1 4 2 2 1 1 1 4 2 1 4 1 4 2 1 4 1 1 2 1 1 4 4 4 2 2 2 1 4 4
4 2 2 1 4 2 2
******** RECORD NUMBER 366 REPLACES RECORD NUMBER 122 ********
 367 EZIDIREC012 2 1 1 4 1 1 4 1 4 4 2 1 4 2 1 1 4 4 2 2 2 1 2 1 2 1 2 2 1 4 4 4 4 2 2 2 1 2 1 1 1 1 4 1 1 1 1 4 4 4 2 2 2 2 1 4 2
1 1 2 2 1 4 2
******** RECORD NUMBER 367 REPLACES RECORD NUMBER 123 ********
 368 EZIDIREC013 1 1 4 1 4 2 1 1 2 1 4 4 2 2 1 1 1 1 1 1 1 2 1 4 4 4 1 2 1 4 4 4 4 2 2 1 4 4 1 1 4 2 1 1 2 1 2 1 4 4 2 2 2 1 1 4 2
1 4 2 1 4 1 1
******** RECORD NUMBER 368 REPLACES RECORD NUMBER 124 ********
 369 EZIDIREC014 1 1 4 1 1 1 2 1 2 1 2 1 1 2 1 1 1 1 1 1 1 4 1 1 1 1 2 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 4 4 2 2 1 1 4 1
4 1 1 1 1 1 1
******** RECORD NUMBER 369 REPLACES RECORD NUMBER 125 ********
 370 EZIDIREC015 1 1 4 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 4 4 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 1 2 1 1 1 4 2 1 2 1 1 2 1
1 2 2 2 1 2 1
******** RECORD NUMBER 370 REPLACES RECORD NUMBER 126 ********
 371 EZIDIREC016 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1
******** RECORD NUMBER 371 REPLACES RECORD NUMBER 127 ********
 372 EZIDIREC017 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1
******** RECORD NUMBER 372 REPLACES RECORD NUMBER 128 ********
 373 EZIDIREC018 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1
******** RECORD NUMBER 373 REPLACES RECORD NUMBER 129 ********
 374 EZIDIREC019 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1
******** RECORD NUMBER 374 REPLACES RECORD NUMBER 130 ********
      *
      * LASMOV - The outermost spatial interval of the evacuation movement zone.
 375 EZLASMOV001    19
******** RECORD NUMBER 375 REPLACES RECORD NUMBER 131 ********
      *
      * EFFACY,  KI Ingestion
 376 EZEFFACY001    0.7
******** RECORD NUMBER 376 REPLACES RECORD NUMBER 269 ********
      *
      * POPFRAC, KI Ingestion
 377 EZPOPFRC001    0.
******** RECORD NUMBER 377 REPLACES RECORD NUMBER 270 ********
      .
******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE   1 USER INPUT ********

USER INPUT PROCESSING SUMMARY - CHANGE CASE   1
NUMBER OF RECORDS CHANGED          =  105
NUMBER OF RECORDS ADDED            =    0
****************************************************************************************************
```

With 1=forwards, 2=rightwards, 3=backwards, and 4=leftwards,
The Evacuation Network For This Scenario Was Defined As Follows:

| IRAD | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 |
| 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 |
| 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 |
| 7 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 4 | 2 | 1 | 4 | 2 | 2 | 1 |
| 8 | 1 | 4 | 1 | 1 | 4 | 2 | 1 | 4 | 2 | 1 | 1 | 4 | 2 | 2 | 1 | 1 |
| 9 | 1 | 1 | 4 | 2 | 1 | 1 | 2 | 1 | 1 | 4 | 1 | 4 | 1 | 4 | 1 | 1 |
| 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 | 1 | 1 | 4 | 2 | 1 | 4 | 2 | 1 | 4 | 4 | 4 | 4 | 2 | 2 | 1 | 4 |
| 12 | 2 | 1 | 1 | 4 | 1 | 1 | 4 | 1 | 4 | 4 | 2 | 1 | 4 | 2 | 1 | 1 |
| 13 | 1 | 1 | 4 | 1 | 4 | 2 | 1 | 1 | 2 | 1 | 4 | 4 | 2 | 2 | 1 | 1 |
| 14 | 1 | 1 | 4 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 |
| 15 | 1 | 1 | 4 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 |
| 17 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| IRAD | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 4 | 4 | 4 | 4 | 2 | 2 | |
| 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | |
| 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 4 | 4 | 2 | |
| 8 | 2 | 1 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 4 | |
| 9 | 1 | 2 | 1 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 4 | 1 | 2 | 2 | 2 | 1 |
| 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 4 |
| 11 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 4 | 4 | 1 | 1 | 4 | 2 | 2 | 1 |
| 12 | 4 | 4 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 4 | 4 | 4 |
| 13 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 4 | 4 | 4 | 1 | 2 | 1 | 4 | 4 | 4 |
| 14 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 2 | 1 | 4 | 1 | 1 | 1 |
| 15 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 2 | 2 | 2 | 1 | 1 | 1 |
| 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| IRAD | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 3 | 2 | 2 | 2 | 1 | 1 | 1 | 4 | 4 | 4 | 2 | 2 | 2 | 1 | 1 | 1 | |
| 4 | 4 | 2 | 2 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 2 | 2 | 1 | 4 | 4 | 2 |
| 5 | 1 | 1 | 1 | 1 | 2 | 1 | 4 | 4 | 2 | 2 | 1 | 4 | 4 | 2 | 2 | 1 |
| 6 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 4 | 2 | 2 | 1 | 2 | 1 | 4 |
| 7 | 1 | 1 | 1 | 1 | 4 | 4 | 2 | 2 | 1 | 1 | 4 | 4 | 1 | 1 | 4 | 1 |
| 8 | 2 | 1 | 4 | 4 | 2 | 1 | 2 | 1 | 2 | 1 | 4 | 2 | 1 | 4 | 2 | 1 |
| 9 | 1 | 2 | 1 | 4 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 4 | 1 | 4 | 1 | 4 |
| 10 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 4 | 4 | 1 | 1 | 1 | 4 | 2 | 1 | 4 |
| 11 | 1 | 1 | 4 | 2 | 1 | 4 | 1 | 4 | 2 | 1 | 4 | 1 | 1 | 2 | 1 | 1 |
| 12 | 4 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 4 |
| 13 | 4 | 2 | 2 | 1 | 4 | 4 | 1 | 1 | 4 | 2 | 1 | 1 | 2 | 1 | 2 | 1 |
| 14 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| 15 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 2 | 1 | 1 | |
| 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 17 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |

| IRAD | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | | |
| 4 | 1 | 4 | 4 | 2 | 1 | 1 | 4 | 2 | 1 | 4 | 4 | 4 | 4 | 4 | 1 | 1 |
| 5 | 4 | 4 | 2 | 2 | 1 | 4 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 | 4 | 2 | 2 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7 | 4 | 4 | 4 | 1 | 4 | 4 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | 1 | 4 | 4 | 1 | 4 | 4 | 4 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 9 | 4 | 4 | 4 | 1 | 4 | 2 | 1 | 4 | 1 | 4 | 1 | 1 | 1 | 2 | 2 | 2 |
| 10 | 4 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 2 | 2 | 1 | 1 | 1 |
| 11 | 4 | 4 | 4 | 2 | 2 | 2 | 1 | 4 | 4 | 4 | 2 | 2 | 1 | 4 | 2 | 2 |
| 12 | 4 | 4 | 2 | 2 | 2 | 2 | 1 | 4 | 2 | 1 | 1 | 2 | 2 | 1 | 4 | 2 |
| 13 | 4 | 4 | 2 | 2 | 2 | 1 | 1 | 4 | 2 | 1 | 4 | 2 | 1 | 4 | 1 | 1 |
| 14 | 1 | 4 | 4 | 2 | 2 | 1 | 1 | 4 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 |
| 15 | 1 | 4 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 1 |
| 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

THE KI MODEL IS IN EFFECT

******** BEGINNING OF CHANGE CASE 2 USER INPUT ********
*
* CSFACT - Cloudshine shielding factor
378 SECSFACT001 1.
******** RECORD NUMBER 378 REPLACES RECORD NUMBER 25 ********
379 SECSFACT002 0.6
******** RECORD NUMBER 379 REPLACES RECORD NUMBER 26 ********
380 SECSFACT003 0.5
******** RECORD NUMBER 380 REPLACES RECORD NUMBER 27 ********
*
* PROTIN - Inhalation protection factor
381 SEPROTIN001 0.98
******** RECORD NUMBER 381 REPLACES RECORD NUMBER 28 ********
382 SEPROTIN002 0.46
******** RECORD NUMBER 382 REPLACES RECORD NUMBER 29 ********
383 SEPROTIN003 0.33
******** RECORD NUMBER 383 REPLACES RECORD NUMBER 30 ********
*
* BRRATE - Breathing rates
384 SEBRRATE001 2.66E-04

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********  RECORD NUMBER  384 REPLACES RECORD NUMBER   31  ********
 385  SEBRRATE002     2.66E-04
********  RECORD NUMBER  385 REPLACES RECORD NUMBER   32  ********
 386  SEBRRATE003     2.66E-04
********  RECORD NUMBER  386 REPLACES RECORD NUMBER   33  ********
     *
     * SKPFAC - skin protection factors
 387  SESKPFAC001     0.98
********  RECORD NUMBER  387 REPLACES RECORD NUMBER   34  ********
 388  SESKPFAC002     0.46
********  RECORD NUMBER  388 REPLACES RECORD NUMBER   35  ********
 389  SESKPFAC003     0.33
********  RECORD NUMBER  389 REPLACES RECORD NUMBER   36  ********
     *
     * GSHFAC - groundshine shielding factors
 390  SEGSHFAC001     0.5
********  RECORD NUMBER  390 REPLACES RECORD NUMBER   37  ********
 391  SEGSHFAC002     0.18
********  RECORD NUMBER  391 REPLACES RECORD NUMBER   38  ********
 392  SEGSHFAC003     0.1
********  RECORD NUMBER  392 REPLACES RECORD NUMBER   39  ********
     *
     * EANAM2 - Name of emergency response cohort
 393  EZEANAM2001     '0-10 Public'
********  RECORD NUMBER  393 REPLACES RECORD NUMBER   42  ********
     *
     * WTFRAC - weighting fraction applied to results of emergency response cohort
 394  EZWTFRAC001     0.517
********  RECORD NUMBER  394 REPLACES RECORD NUMBER   44  ********
     *
     * TRAVELPOINT - determines whether boundary or centerpoint of destination is evacuee objective.
 395  TRAVELPOINT     CENTERPOINT
********  RECORD NUMBER  395 REPLACES RECORD NUMBER   46  ********
     *
     * ESPEED - evacuee travel speed during the three phases of evacuation
 396  EZESPEED001     2.235
********  RECORD NUMBER  396 REPLACES RECORD NUMBER   47  ********
 397  EZESPEED002     0.894
********  RECORD NUMBER  397 REPLACES RECORD NUMBER   48  ********
 398  EZESPEED003     8.941
********  RECORD NUMBER  398 REPLACES RECORD NUMBER   49  ********
     *
     * ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
 399  EZESPMUL001     0.7
********  RECORD NUMBER  399 REPLACES RECORD NUMBER   50  ********
 400  EZESPMUL002     0.7
********  RECORD NUMBER  400 REPLACES RECORD NUMBER   51  ********
 401  EZESPMUL003     0.7
********  RECORD NUMBER  401 REPLACES RECORD NUMBER   52  ********
     *
     * REFPNT - Defines reference time point for actions in evacuation ans sheltering zone.
 402  EZREFPNT001     ALARM
********  RECORD NUMBER  402 REPLACES RECORD NUMBER   53  ********
     *
     * DURBEG - duration of initial phase (beginning) of evacuation, in seconds.
 403  EZDURBEG001     900.
********  RECORD NUMBER  403 REPLACES RECORD NUMBER   54  ********
     *
     * DURMID - duration of middle phase of evacuation, in seconds.
 404  EZDURMID001     10800.
********  RECORD NUMBER  404 REPLACES RECORD NUMBER   55  ********
     *
     * NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
 405  EZNUMEVA001     18
********  RECORD NUMBER  405 REPLACES RECORD NUMBER   56  ********
     *
     * DLTSHL - delay from reference time point to when individual takes shelter.  DLTEVA - delay elapsing between beginning of shelter period to when individuals begin evacuation.
 406  EZDLTSHL001     3600.
********  RECORD NUMBER  406 REPLACES RECORD NUMBER   57  ********
 407  EZDLTSHL002     3600.
********  RECORD NUMBER  407 REPLACES RECORD NUMBER   58  ********
 408  EZDLTSHL003     3600.
********  RECORD NUMBER  408 REPLACES RECORD NUMBER   59  ********
 409  EZDLTSHL004     3600.
********  RECORD NUMBER  409 REPLACES RECORD NUMBER   60  ********
 410  EZDLTSHL005     3600.
********  RECORD NUMBER  410 REPLACES RECORD NUMBER   61  ********
 411  EZDLTSHL006     3600.
********  RECORD NUMBER  411 REPLACES RECORD NUMBER   62  ********
 412  EZDLTSHL007     3600.
********  RECORD NUMBER  412 REPLACES RECORD NUMBER   63  ********
 413  EZDLTSHL008     3600.
********  RECORD NUMBER  413 REPLACES RECORD NUMBER   64  ********
 414  EZDLTSHL009     3600.
********  RECORD NUMBER  414 REPLACES RECORD NUMBER   65  ********
 415  EZDLTSHL010     3600.
********  RECORD NUMBER  415 REPLACES RECORD NUMBER   66  ********
 416  EZDLTSHL011     3600.
********  RECORD NUMBER  416 REPLACES RECORD NUMBER   67  ********
 417  EZDLTSHL012     3600.
********  RECORD NUMBER  417 REPLACES RECORD NUMBER   68  ********
 418  EZDLTSHL013     3600.
********  RECORD NUMBER  418 REPLACES RECORD NUMBER   69  ********
 419  EZDLTSHL014     3600.
********  RECORD NUMBER  419 REPLACES RECORD NUMBER   70  ********
 420  EZDLTSHL015     3600.
********  RECORD NUMBER  420 REPLACES RECORD NUMBER   71  ********
 421  EZDLTSHL016     3600.
********  RECORD NUMBER  421 REPLACES RECORD NUMBER   72  ********
 422  EZDLTSHL017     3600.
********  RECORD NUMBER  422 REPLACES RECORD NUMBER   73  ********
 423  EZDLTSHL018     3600.
********  RECORD NUMBER  423 REPLACES RECORD NUMBER   74  ********
     *
     * DLTEVA -Delay time to begin evacuation
 424  EZDLTEVA001     7200.
********  RECORD NUMBER  424 REPLACES RECORD NUMBER   75  ********
 425  EZDLTEVA002     7200.
********  RECORD NUMBER  425 REPLACES RECORD NUMBER   76  ********
 426  EZDLTEVA003     7200.
********  RECORD NUMBER  426 REPLACES RECORD NUMBER   77  ********
 427  EZDLTEVA004     7200.
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********   RECORD NUMBER   427 REPLACES RECORD NUMBER    78   ********
  428  EZDLTEVA005      7200.
********   RECORD NUMBER   428 REPLACES RECORD NUMBER    79   ********
  429  EZDLTEVA006      7200.
********   RECORD NUMBER   429 REPLACES RECORD NUMBER    80   ********
  430  EZDLTEVA007      7200.
********   RECORD NUMBER   430 REPLACES RECORD NUMBER    81   ********
  431  EZDLTEVA008      7200.
********   RECORD NUMBER   431 REPLACES RECORD NUMBER    82   ********
  432  EZDLTEVA009      7200.
********   RECORD NUMBER   432 REPLACES RECORD NUMBER    83   ********
  433  EZDLTEVA010      7200.
********   RECORD NUMBER   433 REPLACES RECORD NUMBER    84   ********
  434  EZDLTEVA011      7200.
********   RECORD NUMBER   434 REPLACES RECORD NUMBER    85   ********
  435  EZDLTEVA012      7200.
********   RECORD NUMBER   435 REPLACES RECORD NUMBER    86   ********
  436  EZDLTEVA013      7200.
********   RECORD NUMBER   436 REPLACES RECORD NUMBER    87   ********
  437  EZDLTEVA014      7200.
********   RECORD NUMBER   437 REPLACES RECORD NUMBER    88   ********
  438  EZDLTEVA015      7200.
********   RECORD NUMBER   438 REPLACES RECORD NUMBER    89   ********
  439  EZDLTEVA016      7200.
********   RECORD NUMBER   439 REPLACES RECORD NUMBER    90   ********
  440  EZDLTEVA017      7200.
********   RECORD NUMBER   440 REPLACES RECORD NUMBER    91   ********
  441  EZDLTEVA018      7200.
********   RECORD NUMBER   441 REPLACES RECORD NUMBER    92   ********
      *
      * ESPGRD_NET - Evacuation speed multiplier for network evacuation
  442  EZESPGRD001     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   442 REPLACES RECORD NUMBER    93   ********
  443  EZESPGRD002     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   443 REPLACES RECORD NUMBER    94   ********
  444  EZESPGRD003     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   444 REPLACES RECORD NUMBER    95   ********
  445  EZESPGRD004     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   445 REPLACES RECORD NUMBER    96   ********
  446  EZESPGRD005     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   446 REPLACES RECORD NUMBER    97   ********
  447  EZESPGRD006     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   447 REPLACES RECORD NUMBER    98   ********
  448  EZESPGRD007     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   448 REPLACES RECORD NUMBER    99   ********
  449  EZESPGRD008     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   449 REPLACES RECORD NUMBER   100   ********
  450  EZESPGRD009     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   450 REPLACES RECORD NUMBER   101   ********
  451  EZESPGRD010     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   451 REPLACES RECORD NUMBER   102   ********
  452  EZESPGRD011     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   452 REPLACES RECORD NUMBER   103   ********
  453  EZESPGRD012     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   453 REPLACES RECORD NUMBER   104   ********
  454  EZESPGRD013     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   0.75   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   454 REPLACES RECORD NUMBER   105   ********
  455  EZESPGRD014     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.5   1.5   1.5   1.5   1.5   1.5   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   0.75
1.   1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   455 REPLACES RECORD NUMBER   106   ********
  456  EZESPGRD015     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.5   1.5   1.5   1.   1.   1.   1.   1.   1.5   1.5   1.5   1.5   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   0.75
1.   1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   456 REPLACES RECORD NUMBER   107   ********
  457  EZESPGRD016     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75    0.75   0.75
********   RECORD NUMBER   457 REPLACES RECORD NUMBER   108   ********
  458  EZESPGRD017     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   458 REPLACES RECORD NUMBER   109   ********
  459  EZESPGRD018     1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   1.   1.
********   RECORD NUMBER   459 REPLACES RECORD NUMBER   110   ********
  460  EZESPGRD019     1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   1.   1.
********   RECORD NUMBER   460 REPLACES RECORD NUMBER   111   ********
      *
      * IDIREC - destination direction of every spatial element in the evacuation and sheltering region
  461  EZIDIREC001     1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1
1    1    1    1    1    1    1
********   RECORD NUMBER   461 REPLACES RECORD NUMBER   112   ********
  462  EZIDIREC002     1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1
1    1    1    1    1    1    1
********   RECORD NUMBER   462 REPLACES RECORD NUMBER   113   ********
  463  EZIDIREC003     1    1    1    1    1    1    1    1    1    1    1    1    1    2    1    1    1    1    1    1    1    1    1    1    2    1    4    4    4    4    2    2    2    2    2    1    1    1    4    4    4    4    2    2    2    1    1    1    1    1    1    1    1    1    1    1    1
1    1    1    1    4    1    1
********   RECORD NUMBER   463 REPLACES RECORD NUMBER   114   ********
  464  EZIDIREC004     1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    4    2    2    1    1    1    1    4    4    4    2    2    1    4    4    2    1    4    4    2    1    1    4    2    1
4    4    4    4    4    1    1
********   RECORD NUMBER   464 REPLACES RECORD NUMBER   115   ********
  465  EZIDIREC005     1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    4    1    1    1    1    1    1    1    1    1    2    2    2    2    2    2    1    1    1    1    1    2    1    4    4    2    2    1    4    4    2    2    1    4    4    2    2    1    4    4    2    1
1    1    1    1    1    1    1
********   RECORD NUMBER   465 REPLACES RECORD NUMBER   116   ********
  466  EZIDIREC006     1    1    1    1    1    1    1    1    1    1    1    1    1    1    4    1    1    1    1    1    1    1    1    1    1    1    2    2    2    2    2    2    2    2    1    1    1    1    2    1    1    4    2    2    1    2    1    4    4    2    2    1    4    4    4    4    4
4    4    1    1    1    1    1
********   RECORD NUMBER   466 REPLACES RECORD NUMBER   117   ********
  467  EZIDIREC007     2    2    1    2    2    1    2    2    1    4    2    1    4    2    2    1    1    1    1    1    1    1    1    1    1    1    2    2    1    4    4    2    1    1    1    1    4    4    2    2    1    1    4    4    1    1    4    1    4    4    4    1    4    4    4    4    4
4    1    1    1    1    1    1
********   RECORD NUMBER   467 REPLACES RECORD NUMBER   118   ********
  468  EZIDIREC008     1    4    1    1    4    2    1    4    2    1    1    4    2    2    1    1    2    1    1    1    4    4    4    1    1    1    1    1    1    4    1    4    2    1    4    4    2    1    2    1    2    1    4    2    1    4    2    1    1    4    4    1    4    4    4    2    2
```

```
1     1     1     1     1     2     2
********  RECORD NUMBER   468 REPLACES RECORD NUMBER   119   ********
 469  EZIDIREC009     1     1     4     2     1     1     2     1     1     4     1     4     1     4     1     1     1     2     1     1     1     4     4     4     1     1     4     1     2     2     2     1     1     2     1     4     2     1     2     1     2     1     1     4     1     4     1     4     4     4     4     1     4     2     1     4     1
4     1     1     1     2     2     2
********  RECORD NUMBER   469 REPLACES RECORD NUMBER   120   ********
 470  EZIDIREC010     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     4     4     4     2     2     2     2     1     2     1     4     4     1     1     1     4     2     1     4     4     2     2     1     1     1     1     1     4
4     4     2     2     1     1     1
********  RECORD NUMBER   470 REPLACES RECORD NUMBER   121   ********
 471  EZIDIREC011     1     1     4     2     1     4     2     1     4     4     4     4     2     2     1     4     4     2     2     2     2     2     2     1     4     4     1     1     4     2     2     1     1     1     4     2     1     4     1     4     2     1     4     1     1     2     1     1     4     4     4     2     2     2     1     4     4
4     2     2     1     4     2     2
********  RECORD NUMBER   471 REPLACES RECORD NUMBER   122   ********
 472  EZIDIREC012     2     1     1     4     1     1     4     1     4     4     2     1     4     2     1     1     4     4     2     2     2     1     2     1     2     1     2     2     1     4     4     4     4     2     2     2     1     2     1     1     1     1     4     1     1     1     1     4     4     4     2     2     2     2     1     4     2
1     1     2     2     1     4     2
********  RECORD NUMBER   472 REPLACES RECORD NUMBER   123   ********
 473  EZIDIREC013     1     1     4     1     4     2     1     1     2     1     4     4     2     2     1     1     1     1     1     1     1     2     1     4     4     4     1     2     1     4     4     4     4     2     2     1     4     4     1     1     4     2     1     1     2     1     2     1     4     4     2     2     2     1     1     4     2
1     4     2     1     4     1     1
********  RECORD NUMBER   473 REPLACES RECORD NUMBER   124   ********
 474  EZIDIREC014     1     1     4     1     1     2     1     2     1     2     1     2     1     1     2     1     1     1     1     1     1     4     1     1     1     1     2     1     4     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     2     1     1     4     4     2     2     1     1     4     1
4     1     1     1     1     1     1
********  RECORD NUMBER   474 REPLACES RECORD NUMBER   125   ********
 475  EZIDIREC015     1     1     4     2     2     2     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     4     4     4     2     2     2     1     1     1     1     1     1     1     1     1     1     1     1     1     1     4     1     2     1     1     1     4     2     1     2     1     1     2     1
1     2     2     2     1     2     1
********  RECORD NUMBER   475 REPLACES RECORD NUMBER   126   ********
 476  EZIDIREC016     1     1     1     1     1     1     1     1     1     1     1     1     1     1     4     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1
1     1     1     1     1     1     1
********  RECORD NUMBER   476 REPLACES RECORD NUMBER   127   ********
 477  EZIDIREC017     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1
1     1     1     1     1     1     1
********  RECORD NUMBER   477 REPLACES RECORD NUMBER   128   ********
 478  EZIDIREC018     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1
1     1     1     1     1     1     1
********  RECORD NUMBER   478 REPLACES RECORD NUMBER   129   ********
 479  EZIDIREC019     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1
1     1     1     1     1     1     1
********  RECORD NUMBER   479 REPLACES RECORD NUMBER   130   ********
     *
     * LASMOV - The outermost spatial interval of the evacuation movement zone.
 480  EZLASMOV001     19
********  RECORD NUMBER   480 REPLACES RECORD NUMBER   131   ********
     *
     * EFFACY,  KI Ingestion
 481  EZEFFACY001     0.7
********  RECORD NUMBER   481 REPLACES RECORD NUMBER   269   ********
     *
     * POPFRAC, KI Ingestion
 482  EZPOPFRC001     1.
********  RECORD NUMBER   482 REPLACES RECORD NUMBER   270   ********
     .
******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE   2 USER INPUT ********

USER INPUT PROCESSING SUMMARY - CHANGE CASE   2
NUMBER OF RECORDS CHANGED            =  105
NUMBER OF RECORDS ADDED              =    0
*****************************************************************************************************************
```

With 1=forwards, 2=rightwards, 3=backwards, and 4=leftwards,
The Evacuation Network For This Scenario Was Defined As Follows:

```
IRAD     1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16
  1      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3      1  1  1  1  1  1  1  1  1  1  1  1  1  2  1  1
  4      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  5      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4
  6      1  1  1  1  1  1  1  1  1  1  1  1  1  1  4  1
  7      2  2  1  2  2  1  2  2  1  4  2  1  4  2  2  1
  8      1  4  1  1  4  2  1  4  2  1  1  4  2  2  1  1
  9      1  1  4  2  1  1  2  1  1  4  1  4  1  4  1  1
 10      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 11      1  1  4  2  1  4  2  1  4  4  4  4  2  2  1  4
 12      2  1  1  4  1  1  4  1  4  4  2  1  4  2  1  1
 13      1  1  4  1  4  2  1  1  2  1  4  4  2  2  1  1
 14      1  1  4  1  1  1  2  1  2  1  2  1  1  2  1  1
 15      1  1  4  2  2  2  1  1  1  1  1  1  1  1  1  1
 16      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4
 17      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD    17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
  1      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3      1  1  1  1  1  1  1  1  2  1  4  4  4  4  2  2
  4      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  5      1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  1
  6      1  1  1  1  1  1  1  1  1  1  2  2  2  2  2  2
  7      1  1  1  1  1  1  1  1  1  1  2  2  1  4  4  2
  8      2  1  1  1  4  4  4  1  1  1  1  1  1  4  1  4
  9      1  2  1  1  1  4  4  4  1  1  4  1  2  2  2  1
 10      1  1  1  1  1  1  1  1  1  1  1  1  1  4  4  4
 11      4  2  2  2  2  2  2  1  4  4  1  1  4  2  2  1
 12      4  4  2  2  2  1  2  1  2  1  2  2  1  4  4  4
 13      1  1  1  1  1  2  1  4  4  4  1  2  1  4  4  4
 14      1  1  1  1  1  4  1  1  1  1  2  1  4  1  1  1
 15      1  1  1  1  1  1  1  4  4  4  2  2  2  1  1  1
 16      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD    33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
  1      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3      2  2  2  1  1  1  4  4  4  4  2  2  2  1  1  1
  4      4  2  2  1  1  1  1  4  4  4  2  2  1  4  4  2
  5      1  1  1  1  2  1  4  4  2  2  1  4  4  2  2  1
  6      2  2  1  1  1  1  2  1  1  4  2  2  1  2  1  4
  7      1  1  1  1  4  4  2  2  1  1  4  4  1  1  4  1
```

```
  8     2  1  4  4  2  1  2  1  2  1  4  2  1  4  2  1
  9     1  2  1  4  2  1  2  1  2  1  1  4  1  4  1  4
 10     2  2  2  2  1  2  1  4  4  1  1  1  4  2  1  4
 11     1  1  4  2  1  4  1  4  2  1  4  1  1  2  1  1
 12     4  2  2  2  1  2  1  1  1  1  4  1  1  1  1  4
 13     4  2  2  1  4  4  1  1  4  2  1  1  2  1  2  1
 14     1  1  1  1  1  1  1  1  1  1  1  1  1  1  2  1
 15     1  1  1  1  1  1  1  1  1  1  1  4  1  2  1  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD    49  50  51  52  53  54  55  56  57  58  59  60  61  62  63  64
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     1  1  1  1  1  1  1  1  1  1  1  1  1  4  1  1
  4     1  4  4  2  1  1  4  2  1  4  4  4  4  4  1  1
  5     4  4  2  2  1  4  4  2  1  1  1  1  1  1  1  1
  6     4  2  2  1  4  4  4  4  4  4  4  1  1  1  1  1
  7     4  4  4  1  4  4  4  4  4  4  1  1  1  1  1  1
  8     1  4  4  1  4  4  4  2  2  1  1  1  1  1  2  2
  9     4  4  4  1  4  2  1  4  1  4  1  1  1  2  2  2
 10     4  2  2  1  1  1  1  1  4  4  4  2  2  1  1  1
 11     4  4  4  2  2  2  1  4  4  4  2  2  1  4  2  2
 12     4  4  2  2  2  2  1  4  2  1  1  2  2  1  4  2
 13     4  4  2  2  2  1  1  4  2  1  4  2  1  4  1  1
 14     1  4  4  2  2  1  1  4  1  4  1  1  1  1  1  1
 15     1  4  2  1  2  1  1  2  1  1  2  2  2  1  2  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
THE KI MODEL IS IN EFFECT


******** BEGINNING OF CHANGE CASE   3 USER INPUT ********
     *
     * CSFACT - Cloudshine shielding factor
 483  SECSFACT001      1.
********   RECORD NUMBER   483 REPLACES RECORD NUMBER    25   ********
 484  SECSFACT002      0.6
********   RECORD NUMBER   484 REPLACES RECORD NUMBER    26   ********
 485  SECSFACT003      0.5
********   RECORD NUMBER   485 REPLACES RECORD NUMBER    27   ********
     *
     * PROTIN - Inhalation protection factor
 486  SEPROTIN001      0.98
********   RECORD NUMBER   486 REPLACES RECORD NUMBER    28   ********
 487  SEPROTIN002      0.46
********   RECORD NUMBER   487 REPLACES RECORD NUMBER    29   ********
 488  SEPROTIN003      0.33
********   RECORD NUMBER   488 REPLACES RECORD NUMBER    30   ********
     *
     * BRRATE - Breathing rates
 489  SEBRRATE001      2.66E-04
********   RECORD NUMBER   489 REPLACES RECORD NUMBER    31   ********
 490  SEBRRATE002      2.66E-04
********   RECORD NUMBER   490 REPLACES RECORD NUMBER    32   ********
 491  SEBRRATE003      2.66E-04
********   RECORD NUMBER   491 REPLACES RECORD NUMBER    33   ********
     *
     * SKPFAC - skin protection factors
 492  SESKPFAC001      0.98
********   RECORD NUMBER   492 REPLACES RECORD NUMBER    34   ********
 493  SESKPFAC002      0.46
********   RECORD NUMBER   493 REPLACES RECORD NUMBER    35   ********
 494  SESKPFAC003      0.33
********   RECORD NUMBER   494 REPLACES RECORD NUMBER    36   ********
     *
     * GSHFAC - groundshine shielding factors
 495  SEGSHFAC001      0.5
********   RECORD NUMBER   495 REPLACES RECORD NUMBER    37   ********
 496  SEGSHFAC002      0.18
********   RECORD NUMBER   496 REPLACES RECORD NUMBER    38   ********
 497  SEGSHFAC003      0.1
********   RECORD NUMBER   497 REPLACES RECORD NUMBER    39   ********
     *
     * EANAM2 - Name of emergency response cohort
 498  EZEANAM2001      '10-20 Shadow'
********   RECORD NUMBER   498 REPLACES RECORD NUMBER    42   ********
     *
     * WTFRAC - weighting fraction applied to results of emergency response cohort
 499  EZWTFRAC001      0.
********   RECORD NUMBER   499 REPLACES RECORD NUMBER    44   ********
     *
     * TRAVELPOINT - determines whether boundary or centerpoint of destination is evacuee objective.
 500  TRAVELPOINT      CENTERPOINT
********   RECORD NUMBER   500 REPLACES RECORD NUMBER    46   ********
     *
     * ESPEED - evacuee travel speed during the three phases of evacuation
 501  EZESPEED001      8.941
********   RECORD NUMBER   501 REPLACES RECORD NUMBER    47   ********
 502  EZESPEED002      6.706
********   RECORD NUMBER   502 REPLACES RECORD NUMBER    48   ********
 503  EZESPEED003      8.941
********   RECORD NUMBER   503 REPLACES RECORD NUMBER    49   ********
     *
     * ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
 504  EZESPMUL001      0.7
********   RECORD NUMBER   504 REPLACES RECORD NUMBER    50   ********
 505  EZESPMUL002      0.7
********   RECORD NUMBER   505 REPLACES RECORD NUMBER    51   ********
 506  EZESPMUL003      0.7
********   RECORD NUMBER   506 REPLACES RECORD NUMBER    52   ********
     *
     * REFPNT - Defines reference time point for actions in evacuation ans sheltering zone.
 507  EZREFPNT001      ALARM
********   RECORD NUMBER   507 REPLACES RECORD NUMBER    53   ********
     *
     * DURBEG - duration of initial phase (beginning) of evacuation, in seconds.
 508  EZDURBEG001      900.
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********   RECORD NUMBER   508 REPLACES RECORD NUMBER    54   ********
      *
      * DURMID - duration of middle phase of evacuation, in seconds.
  509  EZDURMID001      21600.
********   RECORD NUMBER   509 REPLACES RECORD NUMBER    55   ********
      *
      * NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
  510  EZNUMEVA001      18
********   RECORD NUMBER   510 REPLACES RECORD NUMBER    56   ********
      *
      * DLTSHL - delay from reference time point to when individual takes shelter.  DLTEVA - delay elapsing between beginning of shelter period to when individuals begin evacuation.
  511  EZDLTSHL001      7200.
********   RECORD NUMBER   511 REPLACES RECORD NUMBER    57   ********
  512  EZDLTSHL002      7200.
********   RECORD NUMBER   512 REPLACES RECORD NUMBER    58   ********
  513  EZDLTSHL003      7200.
********   RECORD NUMBER   513 REPLACES RECORD NUMBER    59   ********
  514  EZDLTSHL004      7200.
********   RECORD NUMBER   514 REPLACES RECORD NUMBER    60   ********
  515  EZDLTSHL005      7200.
********   RECORD NUMBER   515 REPLACES RECORD NUMBER    61   ********
  516  EZDLTSHL006      7200.
********   RECORD NUMBER   516 REPLACES RECORD NUMBER    62   ********
  517  EZDLTSHL007      7200.
********   RECORD NUMBER   517 REPLACES RECORD NUMBER    63   ********
  518  EZDLTSHL008      7200.
********   RECORD NUMBER   518 REPLACES RECORD NUMBER    64   ********
  519  EZDLTSHL009      7200.
********   RECORD NUMBER   519 REPLACES RECORD NUMBER    65   ********
  520  EZDLTSHL010      7200.
********   RECORD NUMBER   520 REPLACES RECORD NUMBER    66   ********
  521  EZDLTSHL011      7200.
********   RECORD NUMBER   521 REPLACES RECORD NUMBER    67   ********
  522  EZDLTSHL012      7200.
********   RECORD NUMBER   522 REPLACES RECORD NUMBER    68   ********
  523  EZDLTSHL013      7200.
********   RECORD NUMBER   523 REPLACES RECORD NUMBER    69   ********
  524  EZDLTSHL014      7200.
********   RECORD NUMBER   524 REPLACES RECORD NUMBER    70   ********
  525  EZDLTSHL015      7200.
********   RECORD NUMBER   525 REPLACES RECORD NUMBER    71   ********
  526  EZDLTSHL016      7200.
********   RECORD NUMBER   526 REPLACES RECORD NUMBER    72   ********
  527  EZDLTSHL017      7200.
********   RECORD NUMBER   527 REPLACES RECORD NUMBER    73   ********
  528  EZDLTSHL018      7200.
********   RECORD NUMBER   528 REPLACES RECORD NUMBER    74   ********
      *
      * DLTEVA -Delay time to begin evacuation
  529  EZDLTEVA001      7200.
********   RECORD NUMBER   529 REPLACES RECORD NUMBER    75   ********
  530  EZDLTEVA002      7200.
********   RECORD NUMBER   530 REPLACES RECORD NUMBER    76   ********
  531  EZDLTEVA003      7200.
********   RECORD NUMBER   531 REPLACES RECORD NUMBER    77   ********
  532  EZDLTEVA004      7200.
********   RECORD NUMBER   532 REPLACES RECORD NUMBER    78   ********
  533  EZDLTEVA005      7200.
********   RECORD NUMBER   533 REPLACES RECORD NUMBER    79   ********
  534  EZDLTEVA006      7200.
********   RECORD NUMBER   534 REPLACES RECORD NUMBER    80   ********
  535  EZDLTEVA007      7200.
********   RECORD NUMBER   535 REPLACES RECORD NUMBER    81   ********
  536  EZDLTEVA008      7200.
********   RECORD NUMBER   536 REPLACES RECORD NUMBER    82   ********
  537  EZDLTEVA009      7200.
********   RECORD NUMBER   537 REPLACES RECORD NUMBER    83   ********
  538  EZDLTEVA010      7200.
********   RECORD NUMBER   538 REPLACES RECORD NUMBER    84   ********
  539  EZDLTEVA011      7200.
********   RECORD NUMBER   539 REPLACES RECORD NUMBER    85   ********
  540  EZDLTEVA012      7200.
********   RECORD NUMBER   540 REPLACES RECORD NUMBER    86   ********
  541  EZDLTEVA013      7200.
********   RECORD NUMBER   541 REPLACES RECORD NUMBER    87   ********
  542  EZDLTEVA014      7200.
********   RECORD NUMBER   542 REPLACES RECORD NUMBER    88   ********
  543  EZDLTEVA015      7200.
********   RECORD NUMBER   543 REPLACES RECORD NUMBER    89   ********
  544  EZDLTEVA016      7200.
********   RECORD NUMBER   544 REPLACES RECORD NUMBER    90   ********
  545  EZDLTEVA017      7200.
********   RECORD NUMBER   545 REPLACES RECORD NUMBER    91   ********
  546  EZDLTEVA018      7200.
********   RECORD NUMBER   546 REPLACES RECORD NUMBER    92   ********
      *
      * ESPGRD_NET - Evacuation speed multiplier for network evacuation
  547  EZESPGRD001      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   547 REPLACES RECORD NUMBER    93   ********
  548  EZESPGRD002      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   548 REPLACES RECORD NUMBER    94   ********
  549  EZESPGRD003      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   549 REPLACES RECORD NUMBER    95   ********
  550  EZESPGRD004      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   550 REPLACES RECORD NUMBER    96   ********
  551  EZESPGRD005      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   551 REPLACES RECORD NUMBER    97   ********
  552  EZESPGRD006      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   552 REPLACES RECORD NUMBER    98   ********
  553  EZESPGRD007      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.      1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   553 REPLACES RECORD NUMBER    99   ********
  554  EZESPGRD008      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   554 REPLACES RECORD NUMBER   100   ********
  555  EZESPGRD009      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
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1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   555 REPLACES RECORD NUMBER   101   ********
  556  EZESPGRD010     0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   556 REPLACES RECORD NUMBER   102   ********
  557  EZESPGRD011     0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   557 REPLACES RECORD NUMBER   103   ********
  558  EZESPGRD012     0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   558 REPLACES RECORD NUMBER   104   ********
  559  EZESPGRD013     0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    0.75    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   559 REPLACES RECORD NUMBER   105   ********
  560  EZESPGRD014     0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.5    1.5    1.5    1.5    1.5    1.5    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    0.75
1.    1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   560 REPLACES RECORD NUMBER   106   ********
  561  EZESPGRD015     0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.5    1.5    1.5    1.    1.    1.    1.    1.    1.5    1.5    1.5    1.5    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    0.75
1.    1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   561 REPLACES RECORD NUMBER   107   ********
  562  EZESPGRD016     0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   562 REPLACES RECORD NUMBER   108   ********
  563  EZESPGRD017     0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   563 REPLACES RECORD NUMBER   109   ********
  564  EZESPGRD018     1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    1.    1.
********   RECORD NUMBER   564 REPLACES RECORD NUMBER   110   ********
  565  EZESPGRD019     1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    1.    1.
********   RECORD NUMBER   565 REPLACES RECORD NUMBER   111   ********
      *
      * IDIREC - destination direction of every spatial element in the evacuation and sheltering region
  566  EZIDIREC001     1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1
1   1   1   1   1   1   1
********   RECORD NUMBER   566 REPLACES RECORD NUMBER   112   ********
  567  EZIDIREC002     1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1
1   1   1   1   1   1   1
********   RECORD NUMBER   567 REPLACES RECORD NUMBER   113   ********
  568  EZIDIREC003     1   1   1   1   1   1   1   1   1   1   1   1   1   2   1   1   1   1   1   1   1   1   1   1   2   1   4   4   4   4   2   2   2   2   2   1   1   1   4   4   4   4   2   2   2   1   1   1   1   1   1   1   1   1   1   1   1
1   1   1   1   4   1   1
********   RECORD NUMBER   568 REPLACES RECORD NUMBER   114   ********
  569  EZIDIREC004     1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   4   2   2   1   1   1   1   4   4   4   2   2   1   4   4   2   1   4   4   2   1   1   4   2   1
4   4   4   4   4   1   1
********   RECORD NUMBER   569 REPLACES RECORD NUMBER   115   ********
  570  EZIDIREC005     1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   4   1   1   1   1   1   1   1   1   1   2   2   2   2   2   2   1   1   1   1   1   2   1   4   4   2   2   1   4   4   2   2   1   4   4   2   2   1   4   4   2   1
1   1   1   1   1   1   1
********   RECORD NUMBER   570 REPLACES RECORD NUMBER   116   ********
  571  EZIDIREC006     1   1   1   1   1   1   1   1   1   1   1   1   1   1   4   1   1   1   1   1   1   1   1   1   1   1   2   2   2   2   2   2   2   2   1   1   1   1   2   1   1   4   2   2   1   2   1   4   4   2   2   1   4   4   4   4   4
4   4   1   1   1   1   1
********   RECORD NUMBER   571 REPLACES RECORD NUMBER   117   ********
  572  EZIDIREC007     2   2   1   2   2   1   2   2   1   4   2   1   4   2   2   1   1   1   1   1   1   1   1   1   1   1   2   2   1   4   4   2   1   1   1   1   4   4   2   2   1   1   4   4   1   1   4   1   4   4   4   1   4   4   4   4   4
4   1   1   1   1   1   1
********   RECORD NUMBER   572 REPLACES RECORD NUMBER   118   ********
  573  EZIDIREC008     1   4   1   1   4   2   1   4   2   1   1   4   2   2   1   1   2   1   1   1   4   4   4   1   1   1   1   1   1   4   1   4   2   1   4   4   2   1   2   1   2   1   4   2   1   4   2   1   1   4   4   1   4   4   4   2   2
1   1   1   1   1   2   2
********   RECORD NUMBER   573 REPLACES RECORD NUMBER   119   ********
  574  EZIDIREC009     1   1   4   2   1   1   2   1   1   4   1   4   1   4   1   1   1   2   1   1   1   4   4   4   1   1   4   1   2   2   2   1   1   2   1   4   2   1   2   1   2   1   1   4   1   4   1   4   4   4   4   1   4   2   1   4   1
4   1   1   1   2   2   2
********   RECORD NUMBER   574 REPLACES RECORD NUMBER   120   ********
  575  EZIDIREC010     1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   4   4   4   2   2   2   2   1   2   1   4   4   1   1   1   4   2   1   4   4   2   2   1   1   1   1   1   4
4   4   2   2   1   1   1
********   RECORD NUMBER   575 REPLACES RECORD NUMBER   121   ********
  576  EZIDIREC011     1   1   4   2   1   4   2   1   4   4   4   4   2   2   1   4   4   2   2   2   2    2   2   1   4   4   1   1   4   2   2   1   1   1   4   2   1   4   1   4   2   1   4   1   1   2   1   1   4   4   4   2   2   2   1   4   4
4   2   2   1   4   2   2
********   RECORD NUMBER   576 REPLACES RECORD NUMBER   122   ********
  577  EZIDIREC012     2   1   1   4   1   1   4   1   4   4   2   1   4   2   1   1   4   4   2   2   2   1   2   1   2   1   2   2   1   4   4   4   4   2   2   2   1   2   1   1   1   1   4   1   1   1   1   4   4   4   2   2   2   2   1   4   2
1   1   2   2   1   4   2
********   RECORD NUMBER   577 REPLACES RECORD NUMBER   123   ********
  578  EZIDIREC013     1   1   4   1   4   2   1   1   2   1   4   4   2   2   1   1   1   1   1   1   1   2   1   4   4   4   1   2   1   4   4   4   4   2   2   1   4   4   1   1   4   2   1   1   2   1   2   1   4   4   2   2   2   1   1   4   2
1   4   2   1   4   1   1
********   RECORD NUMBER   578 REPLACES RECORD NUMBER   124   ********
  579  EZIDIREC014     1   1   4   1   1   1   2   1   2   1   2   1   1   2   1   1   1   1   1   1   1   4   1   1   1   1   2   1   4   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   2   1   1   4   4   2   2   1   1   4   1
4   1   1   1   1   1   1
********   RECORD NUMBER   579 REPLACES RECORD NUMBER   125   ********
  580  EZIDIREC015     1   1   4   2   2   2   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   4   4   4   2   2   2   1   1   1   1   1   1   1   1   1   1   1   1   1   1   4   1   2   1   1   1   4   2   1   2   1   1   2   1
1   2   2   2   1   2   1
********   RECORD NUMBER   580 REPLACES RECORD NUMBER   126   ********
  581  EZIDIREC016     1   1   1   1   1   1   1   1   1   1   1   1   1   1   4   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1
1   1   1   1   1   1   1
********   RECORD NUMBER   581 REPLACES RECORD NUMBER   127   ********
  582  EZIDIREC017     1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1
1   1   1   1   1   1   1
********   RECORD NUMBER   582 REPLACES RECORD NUMBER   128   ********
  583  EZIDIREC018     1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1
1   1   1   1   1   1   1
********   RECORD NUMBER   583 REPLACES RECORD NUMBER   129   ********
  584  EZIDIREC019     1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1
1   1   1   1   1   1   1
********   RECORD NUMBER   584 REPLACES RECORD NUMBER   130   ********
      *
      * LASMOV - The outermost spatial interval of the evacuation movement zone.
  585  EZLASMOV001      19
********   RECORD NUMBER   585 REPLACES RECORD NUMBER   131   ********
      *
      * EFFACY,  KI Ingestion
  586  EZEFFACY001      0.7
********   RECORD NUMBER   586 REPLACES RECORD NUMBER   269   ********
      *
      * POPFRAC, KI Ingestion
  587  EZPOPFRC001      0.
********   RECORD NUMBER   587 REPLACES RECORD NUMBER   270   ********
      .
******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE   3 USER INPUT ********

USER INPUT PROCESSING SUMMARY - CHANGE CASE   3
NUMBER OF RECORDS CHANGED            =  105
NUMBER OF RECORDS ADDED              =    0
****************************************************************************************************
```

With 1=forwards, 2=rightwards, 3=backwards, and 4=leftwards,
The Evacuation Network For This Scenario Was Defined As Follows:

```
IRAD      1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     1  1  1  1  1  1  1  1  1  1  1  1  1  2  1  1
  4     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  5     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4
  6     1  1  1  1  1  1  1  1  1  1  1  1  1  1  4  1
  7     2  2  1  2  2  1  2  2  1  4  2  1  4  2  2  1
  8     1  4  1  1  4  2  1  4  2  1  1  4  2  2  1  1
  9     1  1  4  2  1  1  2  1  1  4  1  4  1  4  1  1
 10     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 11     1  1  4  2  1  4  2  1  4  4  4  4  2  2  1  4
 12     2  1  1  4  1  1  4  1  4  4  2  1  4  2  1  1
 13     1  1  4  1  4  2  1  1  2  1  4  4  2  2  1  1
 14     1  1  4  1  1  1  2  1  2  1  2  1  1  2  1  1
 15     1  1  4  2  2  2  1  1  1  1  1  1  1  1  1  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD     17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     1  1  1  1  1  1  1  1  2  1  4  4  4  4  2  2
  4     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  5     1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  1
  6     1  1  1  1  1  1  1  1  1  1  2  2  2  2  2  2
  7     1  1  1  1  1  1  1  1  1  1  2  2  1  4  4  2
  8     2  1  1  1  4  4  4  1  1  1  1  1  1  4  1  4
  9     1  2  1  1  1  4  4  4  1  1  4  1  2  2  2  1
 10     1  1  1  1  1  1  1  1  1  1  1  1  1  4  4  4
 11     4  2  2  2  2  2  2  1  4  4  1  1  4  2  2  1
 12     4  4  2  2  2  1  2  1  2  1  2  2  1  4  4  4
 13     1  1  1  1  1  2  1  4  4  4  1  2  1  4  4  4
 14     1  1  1  1  1  4  1  1  1  1  2  1  4  1  1  1
 15     1  1  1  1  1  1  1  4  4  4  2  2  2  1  1  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD     33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     2  2  2  1  1  1  4  4  4  4  2  2  2  1  1  1
  4     4  2  2  1  1  1  1  4  4  4  2  2  1  4  4  2
  5     1  1  1  1  2  1  4  4  2  2  1  4  4  2  2  1
  6     2  2  1  1  1  1  2  1  1  4  2  2  1  2  1  4
  7     1  1  1  1  4  4  2  2  1  1  4  4  1  1  4  1
  8     2  1  4  4  2  1  2  1  2  1  4  2  1  4  2  1
  9     1  2  1  4  2  1  2  1  2  1  1  4  1  4  1  4
 10     2  2  2  2  1  2  1  4  4  1  1  1  4  2  1  4
 11     1  1  4  2  1  4  1  4  2  1  4  1  1  2  1  1
 12     4  2  2  2  1  2  1  1  1  1  4  1  1  1  1  4
 13     4  2  2  1  4  4  1  1  4  2  1  1  2  1  2  1
 14     1  1  1  1  1  1  1  1  1  1  1  1  1  1  2  1
 15     1  1  1  1  1  1  1  1  1  1  1  4  1  2  1  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD     49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     1  1  1  1  1  1  1  1  1  1  1  1  1  4  1  1
  4     1  4  4  2  1  1  4  2  1  4  4  4  4  4  1  1
  5     4  4  2  2  1  4  4  2  1  1  1  1  1  1  1  1
  6     4  2  2  1  4  4  4  4  4  4  4  1  1  1  1  1
  7     4  4  4  1  4  4  4  4  4  4  1  1  1  1  1  1
  8     1  4  4  1  4  4  4  2  2  1  1  1  1  1  2  2
  9     4  4  4  1  4  2  1  4  1  4  1  1  1  2  2  2
 10     4  2  2  1  1  1  1  1  4  4  4  2  2  1  1  1
 11     4  4  4  2  2  2  1  4  4  4  2  2  1  4  2  2
 12     4  4  2  2  2  2  1  4  2  1  1  2  2  1  4  2
 13     4  4  2  2  2  1  1  4  2  1  4  2  1  4  1  1
 14     1  4  4  2  2  1  1  4  1  4  1  1  1  1  1  1
 15     1  4  2  1  2  1  1  2  1  1  2  2  2  1  2  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
THE KI MODEL IS IN EFFECT


******** BEGINNING OF CHANGE CASE   4 USER INPUT ********
      *
      * CSFACT - Cloudshine shielding factor
  588  SECSFACT001      1.
********   RECORD NUMBER   588 REPLACES RECORD NUMBER    25   ********
  589  SECSFACT002      0.31
********   RECORD NUMBER   589 REPLACES RECORD NUMBER    26   ********
  590  SECSFACT003      0.31
********   RECORD NUMBER   590 REPLACES RECORD NUMBER    27   ********
      *
      * PROTIN - Inhalation protection factor
  591  SEPROTIN001      0.98
********   RECORD NUMBER   591 REPLACES RECORD NUMBER    28   ********
  592  SEPROTIN002      0.33
********   RECORD NUMBER   592 REPLACES RECORD NUMBER    29   ********
  593  SEPROTIN003      0.33
********   RECORD NUMBER   593 REPLACES RECORD NUMBER    30   ********
      *
      * BRRATE - Breathing rates
  594  SEBRRATE001      2.66E-04
```

```
********  RECORD NUMBER   594 REPLACES RECORD NUMBER    31  ********
 595  SEBRRATE002      2.66E-04
********  RECORD NUMBER   595 REPLACES RECORD NUMBER    32  ********
 596  SEBRRATE003      2.66E-04
********  RECORD NUMBER   596 REPLACES RECORD NUMBER    33  ********
     *
     * SKPFAC - skin protection factors
 597  SESKPFAC001      0.98
********  RECORD NUMBER   597 REPLACES RECORD NUMBER    34  ********
 598  SESKPFAC002      0.33
********  RECORD NUMBER   598 REPLACES RECORD NUMBER    35  ********
 599  SESKPFAC003      0.33
********  RECORD NUMBER   599 REPLACES RECORD NUMBER    36  ********
     *
     * GSHFAC - groundshine shielding factors
 600  SEGSHFAC001      0.5
********  RECORD NUMBER   600 REPLACES RECORD NUMBER    37  ********
 601  SEGSHFAC002      0.05
********  RECORD NUMBER   601 REPLACES RECORD NUMBER    38  ********
 602  SEGSHFAC003      0.05
********  RECORD NUMBER   602 REPLACES RECORD NUMBER    39  ********
     *
     * EANAM2 - Name of emergency response cohort
 603  EZEANAM2001      '0-10 Special Facilities'
********  RECORD NUMBER   603 REPLACES RECORD NUMBER    42  ********
     *
     * WTFRAC - weighting fraction applied to results of emergency response cohort
 604  EZWTFRAC001      0.006
********  RECORD NUMBER   604 REPLACES RECORD NUMBER    44  ********
     *
     * TRAVELPOINT - determines whether boundary or centerpoint of destination is evacuee objective.
 605  TRAVELPOINT      CENTERPOINT
********  RECORD NUMBER   605 REPLACES RECORD NUMBER    46  ********
     *
     * ESPEED - evacuee travel speed during the three phases of evacuation
 606  EZESPEED001      0.894
********  RECORD NUMBER   606 REPLACES RECORD NUMBER    47  ********
 607  EZESPEED002      2.235
********  RECORD NUMBER   607 REPLACES RECORD NUMBER    48  ********
 608  EZESPEED003      8.941
********  RECORD NUMBER   608 REPLACES RECORD NUMBER    49  ********
     *
     * ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
 609  EZESPMUL001      0.7
********  RECORD NUMBER   609 REPLACES RECORD NUMBER    50  ********
 610  EZESPMUL002      0.7
********  RECORD NUMBER   610 REPLACES RECORD NUMBER    51  ********
 611  EZESPMUL003      0.7
********  RECORD NUMBER   611 REPLACES RECORD NUMBER    52  ********
     *
     * REFPNT - Defines reference time point for actions in evacuation ans sheltering zone.
 612  EZREFPNT001      ALARM
********  RECORD NUMBER   612 REPLACES RECORD NUMBER    53  ********
     *
     * DURBEG - duration of initial phase (beginning) of evacuation, in seconds.
 613  EZDURBEG001      10800.
********  RECORD NUMBER   613 REPLACES RECORD NUMBER    54  ********
     *
     * DURMID - duration of middle phase of evacuation, in seconds.
 614  EZDURMID001      7200.
********  RECORD NUMBER   614 REPLACES RECORD NUMBER    55  ********
     *
     * NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
 615  EZNUMEVA001      18
********  RECORD NUMBER   615 REPLACES RECORD NUMBER    56  ********
     *
     * DLTSHL - delay from reference time point to when individual takes shelter.  DLTEVA - delay elapsing between beginning of shelter period to when individuals begin evacuation.
 616  EZDLTSHL001      0.
********  RECORD NUMBER   616 REPLACES RECORD NUMBER    57  ********
 617  EZDLTSHL002      0.
********  RECORD NUMBER   617 REPLACES RECORD NUMBER    58  ********
 618  EZDLTSHL003      0.
********  RECORD NUMBER   618 REPLACES RECORD NUMBER    59  ********
 619  EZDLTSHL004      0.
********  RECORD NUMBER   619 REPLACES RECORD NUMBER    60  ********
 620  EZDLTSHL005      0.
********  RECORD NUMBER   620 REPLACES RECORD NUMBER    61  ********
 621  EZDLTSHL006      0.
********  RECORD NUMBER   621 REPLACES RECORD NUMBER    62  ********
 622  EZDLTSHL007      0.
********  RECORD NUMBER   622 REPLACES RECORD NUMBER    63  ********
 623  EZDLTSHL008      0.
********  RECORD NUMBER   623 REPLACES RECORD NUMBER    64  ********
 624  EZDLTSHL009      0.
********  RECORD NUMBER   624 REPLACES RECORD NUMBER    65  ********
 625  EZDLTSHL010      0.
********  RECORD NUMBER   625 REPLACES RECORD NUMBER    66  ********
 626  EZDLTSHL011      0.
********  RECORD NUMBER   626 REPLACES RECORD NUMBER    67  ********
 627  EZDLTSHL012      0.
********  RECORD NUMBER   627 REPLACES RECORD NUMBER    68  ********
 628  EZDLTSHL013      0.
********  RECORD NUMBER   628 REPLACES RECORD NUMBER    69  ********
 629  EZDLTSHL014      0.
********  RECORD NUMBER   629 REPLACES RECORD NUMBER    70  ********
 630  EZDLTSHL015      0.
********  RECORD NUMBER   630 REPLACES RECORD NUMBER    71  ********
 631  EZDLTSHL016      0.
********  RECORD NUMBER   631 REPLACES RECORD NUMBER    72  ********
 632  EZDLTSHL017      0.
********  RECORD NUMBER   632 REPLACES RECORD NUMBER    73  ********
 633  EZDLTSHL018      0.
********  RECORD NUMBER   633 REPLACES RECORD NUMBER    74  ********
     *
     * DLTEVA -Delay time to begin evacuation
 634  EZDLTEVA001      18000.
********  RECORD NUMBER   634 REPLACES RECORD NUMBER    75  ********
 635  EZDLTEVA002      18000.
********  RECORD NUMBER   635 REPLACES RECORD NUMBER    76  ********
 636  EZDLTEVA003      18000.
********  RECORD NUMBER   636 REPLACES RECORD NUMBER    77  ********
 637  EZDLTEVA004      18000.
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********  RECORD NUMBER  637 REPLACES RECORD NUMBER   78  ********
  638  EZDLTEVA005      18000.
********  RECORD NUMBER  638 REPLACES RECORD NUMBER   79  ********
  639  EZDLTEVA006      18000.
********  RECORD NUMBER  639 REPLACES RECORD NUMBER   80  ********
  640  EZDLTEVA007      18000.
********  RECORD NUMBER  640 REPLACES RECORD NUMBER   81  ********
  641  EZDLTEVA008      18000.
********  RECORD NUMBER  641 REPLACES RECORD NUMBER   82  ********
  642  EZDLTEVA009      18000.
********  RECORD NUMBER  642 REPLACES RECORD NUMBER   83  ********
  643  EZDLTEVA010      18000.
********  RECORD NUMBER  643 REPLACES RECORD NUMBER   84  ********
  644  EZDLTEVA011      18000.
********  RECORD NUMBER  644 REPLACES RECORD NUMBER   85  ********
  645  EZDLTEVA012      18000.
********  RECORD NUMBER  645 REPLACES RECORD NUMBER   86  ********
  646  EZDLTEVA013      18000.
********  RECORD NUMBER  646 REPLACES RECORD NUMBER   87  ********
  647  EZDLTEVA014      18000.
********  RECORD NUMBER  647 REPLACES RECORD NUMBER   88  ********
  648  EZDLTEVA015      18000.
********  RECORD NUMBER  648 REPLACES RECORD NUMBER   89  ********
  649  EZDLTEVA016      18000.
********  RECORD NUMBER  649 REPLACES RECORD NUMBER   90  ********
  650  EZDLTEVA017      18000.
********  RECORD NUMBER  650 REPLACES RECORD NUMBER   91  ********
  651  EZDLTEVA018      18000.
********  RECORD NUMBER  651 REPLACES RECORD NUMBER   92  ********
      *
      * ESPGRD_NET - Evacuation speed multiplier for network evacuation
  652  EZESPGRD001     0.75   0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  652 REPLACES RECORD NUMBER   93  ********
  653  EZESPGRD002     0.75   0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  653 REPLACES RECORD NUMBER   94  ********
  654  EZESPGRD003     0.75   0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  654 REPLACES RECORD NUMBER   95  ********
  655  EZESPGRD004     0.75   0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  655 REPLACES RECORD NUMBER   96  ********
  656  EZESPGRD005     0.75   0.75  1.   1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  656 REPLACES RECORD NUMBER   97  ********
  657  EZESPGRD006     0.75   0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  657 REPLACES RECORD NUMBER   98  ********
  658  EZESPGRD007     0.75   0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  658 REPLACES RECORD NUMBER   99  ********
  659  EZESPGRD008     0.75   0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  659 REPLACES RECORD NUMBER  100  ********
  660  EZESPGRD009     0.75   0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  660 REPLACES RECORD NUMBER  101  ********
  661  EZESPGRD010     0.75   0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  661 REPLACES RECORD NUMBER  102  ********
  662  EZESPGRD011     0.75   0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  662 REPLACES RECORD NUMBER  103  ********
  663  EZESPGRD012     0.75   0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.   1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  663 REPLACES RECORD NUMBER  104  ********
  664  EZESPGRD013     0.75   0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  0.75  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  664 REPLACES RECORD NUMBER  105  ********
  665  EZESPGRD014     0.75   0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.5  1.5  1.5  1.5  1.5  1.5  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  0.75
1.  1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  665 REPLACES RECORD NUMBER  106  ********
  666  EZESPGRD015     0.75   0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.5  1.5  1.5  1.  1.  1.  1.  1.  1.5  1.5  1.5  1.5  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  0.75
1.  1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  666 REPLACES RECORD NUMBER  107  ********
  667  EZESPGRD016     0.75   0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  667 REPLACES RECORD NUMBER  108  ********
  668  EZESPGRD017     0.75   0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  668 REPLACES RECORD NUMBER  109  ********
  669  EZESPGRD018     1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  1.  1.
********  RECORD NUMBER  669 REPLACES RECORD NUMBER  110  ********
  670  EZESPGRD019     1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.   1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  1.  1.
********  RECORD NUMBER  670 REPLACES RECORD NUMBER  111  ********
      *
      * IDIREC - destination direction of every spatial element in the evacuation and sheltering region
  671  EZIDIREC001    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
1  1  1  1  1  1  1
********  RECORD NUMBER  671 REPLACES RECORD NUMBER  112  ********
  672  EZIDIREC002    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
1  1  1  1  1  1  1
********  RECORD NUMBER  672 REPLACES RECORD NUMBER  113  ********
  673  EZIDIREC003    1  1  1  1  1  1  1  1  1  1  1  1  1  2  1  1  1  1  1  1  1  1  1  1  2  1  4  4  4  4  2  2  2  2  2  1  1  1  4  4  4  4  2  2  2  1  1  1  1  1  1  1  1  1  1  1  1
1  1  1  1  4  1  1
********  RECORD NUMBER  673 REPLACES RECORD NUMBER  114  ********
  674  EZIDIREC004    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4  2  2  1  1  1  1  4  4  4  2  2  1  4  4  2  1  4  4  2  1  1  4  2  1
4  4  4  4  4  1  1
********  RECORD NUMBER  674 REPLACES RECORD NUMBER  115  ********
  675  EZIDIREC005    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4  1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  1  1  1  1  1  2  1  4  4  2  2  1  4  4  2  2  1  4  4  2  2  1  4  4  2  1
1  1  1  1  1  1  1
********  RECORD NUMBER  675 REPLACES RECORD NUMBER  116  ********
  676  EZIDIREC006    1  1  1  1  1  1  1  1  1  1  1  1  1  1  4  1  1  1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  1  1  1  1  2  1  1  4  2  2  1  2  1  4  4  2  2  1  4  4  4  4  4
4  4  1  1  1  1  1
********  RECORD NUMBER  676 REPLACES RECORD NUMBER  117  ********
  677  EZIDIREC007    2  2  1  2  2  1  2  2  1  4  2  1  4  2  2  1  1  1  1  1  1  1  1  1  1  1  2  2  1  4  4  2  1  1  1  1  4  4  2  2  1  1  4  4  1  1  4  1  4  4  4  1  4  4  4  4  4
4  1  1  1  1  1  1
********  RECORD NUMBER  677 REPLACES RECORD NUMBER  118  ********
  678  EZIDIREC008    1  4  1  1  4  2  1  4  2  1  1  4  2  2  1  1  2  1  1  1  4  4  4  1  1  1  1  1  1  4  1  4  2  1  4  4  2  1  2  1  2  1  4  2  1  4  2  1  1  4  4  1  4  4  4  2  2
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1     1     1     1     1     2     2
********  RECORD NUMBER   678 REPLACES RECORD NUMBER   119   ********
 679  EZIDIREC009     1     1     4     2     1     1     2     1     1     4     1     4     1     4     1     1     1     2     1     1     1     4     4     4     1     1     4     1     2     2     2     1     1     2     1     4     2     1     2     1     2     1     1     4     1     4     1     4     4     4     4     1     4     2     1     4     1
4     1     1     1     2     2     2
********  RECORD NUMBER   679 REPLACES RECORD NUMBER   120   ********
 680  EZIDIREC010     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     4     4     4     2     2     2     2     1     2     1     4     4     1     1     1     4     2     1     4     4     2     2     1     1     1     1     1     4
4     4     2     2     1     1     1
********  RECORD NUMBER   680 REPLACES RECORD NUMBER   121   ********
 681  EZIDIREC011     1     1     4     2     1     4     2     1     4     4     4     4     2     2     1     4     4     2     2     2     2     2     2     1     4     4     1     1     4     2     2     1     1     1     4     2     1     4     1     4     2     1     4     1     1     2     1     1     4     4     4     2     2     2     1     4     4
4     2     2     1     4     2     2
********  RECORD NUMBER   681 REPLACES RECORD NUMBER   122   ********
 682  EZIDIREC012     2     1     1     4     1     1     4     1     4     4     2     1     4     2     1     1     4     4     2     2     2     1     2     1     2     1     2     2     1     4     4     4     4     2     2     2     1     2     1     1     1     1     4     1     1     1     1     4     4     4     2     2     2     2     1     4     2
1     1     2     2     1     4     2
********  RECORD NUMBER   682 REPLACES RECORD NUMBER   123   ********
 683  EZIDIREC013     1     1     4     1     4     2     1     1     2     1     4     4     2     2     1     1     1     1     1     1     1     2     1     4     4     4     1     2     1     4     4     4     4     2     2     1     4     4     1     1     4     2     1     1     2     1     2     1     4     4     2     2     2     1     1     4     2
1     4     2     1     4     1     1
********  RECORD NUMBER   683 REPLACES RECORD NUMBER   124   ********
 684  EZIDIREC014     1     1     4     1     1     2     1     2     1     2     1     1     2     1     1     1     1     1     1     1     4     1     1     1     1     2     1     4     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     2     1     1     4     4     2     2     1     1     4     1
4     1     1     1     1     1     1
********  RECORD NUMBER   684 REPLACES RECORD NUMBER   125   ********
 685  EZIDIREC015     1     1     4     2     2     2     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     4     4     4     2     2     2     1     1     1     1     1     1     1     1     1     1     1     1     1     1     4     1     2     1     1     1     4     2     1     2     1     1     2     1
1     2     2     2     1     2     1
********  RECORD NUMBER   685 REPLACES RECORD NUMBER   126   ********
 686  EZIDIREC016     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     4     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1
1     1     1     1     1     1     1
********  RECORD NUMBER   686 REPLACES RECORD NUMBER   127   ********
 687  EZIDIREC017     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1
1     1     1     1     1     1     1
********  RECORD NUMBER   687 REPLACES RECORD NUMBER   128   ********
 688  EZIDIREC018     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1
1     1     1     1     1     1     1
********  RECORD NUMBER   688 REPLACES RECORD NUMBER   129   ********
 689  EZIDIREC019     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1
1     1     1     1     1     1     1
********  RECORD NUMBER   689 REPLACES RECORD NUMBER   130   ********
     *
     * LASMOV - The outermost spatial interval of the evacuation movement zone.
 690  EZLASMOV001     19
********  RECORD NUMBER   690 REPLACES RECORD NUMBER   131   ********
     *
     * EFFACY,  KI Ingestion
 691  EZEFFACY001     0.7
********  RECORD NUMBER   691 REPLACES RECORD NUMBER   269   ********
     *
     * POPFRAC, KI Ingestion
 692  EZPOPFRC001     0.
********  RECORD NUMBER   692 REPLACES RECORD NUMBER   270   ********
     .
******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE   4 USER INPUT ********

USER INPUT PROCESSING SUMMARY - CHANGE CASE   4
NUMBER OF RECORDS CHANGED          =  105
NUMBER OF RECORDS ADDED            =    0
*****************************************************************************************************************
```

With 1=forwards, 2=rightwards, 3=backwards, and 4=leftwards,
The Evacuation Network For This Scenario Was Defined As Follows:

```
IRAD     1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16
  1      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3      1  1  1  1  1  1  1  1  1  1  1  1  2  1  1  1
  4      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  5      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4
  6      1  1  1  1  1  1  1  1  1  1  1  1  1  1  4  1
  7      2  2  1  2  2  1  2  2  1  4  2  1  4  2  2  1
  8      1  4  1  1  4  2  1  4  2  1  1  4  2  2  1  1
  9      1  1  4  2  1  1  2  1  1  4  1  4  1  4  1  1
 10      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 11      1  1  4  2  1  4  2  1  4  4  4  4  2  2  1  4
 12      2  1  1  4  1  1  4  1  4  4  2  1  4  2  1  1
 13      1  1  4  1  4  2  1  1  2  1  4  4  2  2  1  1
 14      1  1  4  1  1  1  2  1  2  1  2  1  1  2  1  1
 15      1  1  4  2  2  2  1  1  1  1  1  1  1  1  1  1
 16      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4
 17      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD    17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
  1      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3      1  1  1  1  1  1  1  1  2  1  4  4  4  4  2  2
  4      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  5      1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  1
  6      1  1  1  1  1  1  1  1  1  1  2  2  2  2  2  2
  7      1  1  1  1  1  1  1  1  1  1  2  2  1  4  4  2
  8      2  1  1  1  4  4  4  1  1  1  1  1  1  4  1  4
  9      1  2  1  1  1  4  4  4  1  1  4  1  2  2  2  1
 10      1  1  1  1  1  1  1  1  1  1  1  1  1  4  4  4
 11      4  2  2  2  2  2  2  1  4  4  1  1  4  2  2  1
 12      4  4  2  2  2  1  2  1  2  1  2  2  1  4  4  4
 13      1  1  1  1  1  2  1  4  4  4  1  2  1  4  4  4
 14      1  1  1  1  1  4  1  1  1  1  2  1  4  1  1  1
 15      1  1  1  1  1  1  1  4  4  4  2  2  2  1  1  1
 16      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD    33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
  1      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3      2  2  2  1  1  1  4  4  4  4  2  2  2  1  1  1
  4      4  2  2  1  1  1  1  4  4  4  2  2  1  4  4  2
  5      1  1  1  1  2  1  4  4  2  2  1  4  4  2  2  1
  6      2  2  1  1  1  1  2  1  1  4  2  2  1  2  1  4
  7      1  1  1  1  4  4  2  2  1  1  4  4  1  1  4  1
```

```
  8     2  1  4  4  2  1  2  1  2  1  4  2  1  4  2  1
  9     1  2  1  4  2  1  2  1  2  1  1  4  1  4  1  4
 10     2  2  2  2  1  2  1  4  4  1  1  1  4  2  1  4
 11     1  1  4  2  1  4  1  4  2  1  4  1  1  2  1  1
 12     4  2  2  2  1  2  1  1  1  1  4  1  1  1  1  4
 13     4  2  2  1  4  4  1  1  4  2  1  1  2  1  2  1
 14     1  1  1  1  1  1  1  1  1  1  1  1  1  1  2  1
 15     1  1  1  1  1  1  1  1  1  1  1  4  1  2  1  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD    49  50  51  52  53  54  55  56  57  58  59  60  61  62  63  64
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     1  1  1  1  1  1  1  1  1  1  1  1  1  4  1  1
  4     1  4  4  2  1  1  4  2  1  4  4  4  4  4  1  1
  5     4  4  2  2  1  4  4  2  1  1  1  1  1  1  1  1
  6     4  2  2  1  4  4  4  4  4  4  4  1  1  1  1  1
  7     4  4  4  1  4  4  4  4  4  4  1  1  1  1  1  1
  8     1  4  4  1  4  4  4  2  2  1  1  1  1  1  2  2
  9     4  4  4  1  4  2  1  4  1  4  1  1  1  2  2  2
 10     4  2  2  1  1  1  1  1  4  4  4  2  2  1  1  1
 11     4  4  4  2  2  2  1  4  4  4  2  2  1  4  2  2
 12     4  4  2  2  2  2  1  4  2  1  1  2  2  1  4  2
 13     4  4  2  2  2  1  1  4  2  1  4  2  1  4  1  1
 14     1  4  4  2  2  1  1  4  1  4  1  1  1  1  1  1
 15     1  4  2  1  2  1  1  2  1  1  2  2  2  1  2  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
THE KI MODEL IS IN EFFECT


******** BEGINNING OF CHANGE CASE   5 USER INPUT ********
     *
     * CSFACT - Cloudshine shielding factor
 693  SECSFACT001      1.
********   RECORD NUMBER   693 REPLACES RECORD NUMBER    25   ********
 694  SECSFACT002      0.6
********   RECORD NUMBER   694 REPLACES RECORD NUMBER    26   ********
 695  SECSFACT003      0.5
********   RECORD NUMBER   695 REPLACES RECORD NUMBER    27   ********
     *
     * PROTIN - Inhalation protection factor
 696  SEPROTIN001      0.98
********   RECORD NUMBER   696 REPLACES RECORD NUMBER    28   ********
 697  SEPROTIN002      0.46
********   RECORD NUMBER   697 REPLACES RECORD NUMBER    29   ********
 698  SEPROTIN003      0.33
********   RECORD NUMBER   698 REPLACES RECORD NUMBER    30   ********
     *
     * BRRATE - Breathing rates
 699  SEBRRATE001      2.66E-04
********   RECORD NUMBER   699 REPLACES RECORD NUMBER    31   ********
 700  SEBRRATE002      2.66E-04
********   RECORD NUMBER   700 REPLACES RECORD NUMBER    32   ********
 701  SEBRRATE003      2.66E-04
********   RECORD NUMBER   701 REPLACES RECORD NUMBER    33   ********
     *
     * SKPFAC - skin protection factors
 702  SESKPFAC001      0.98
********   RECORD NUMBER   702 REPLACES RECORD NUMBER    34   ********
 703  SESKPFAC002      0.46
********   RECORD NUMBER   703 REPLACES RECORD NUMBER    35   ********
 704  SESKPFAC003      0.33
********   RECORD NUMBER   704 REPLACES RECORD NUMBER    36   ********
     *
     * GSHFAC - groundshine shielding factors
 705  SEGSHFAC001      0.5
********   RECORD NUMBER   705 REPLACES RECORD NUMBER    37   ********
 706  SEGSHFAC002      0.18
********   RECORD NUMBER   706 REPLACES RECORD NUMBER    38   ********
 707  SEGSHFAC003      0.1
********   RECORD NUMBER   707 REPLACES RECORD NUMBER    39   ********
     *
     * EANAM2 - Name of emergency response cohort
 708  EZEANAM2001      '0-10 Evacuation Tail'
********   RECORD NUMBER   708 REPLACES RECORD NUMBER    42   ********
     *
     * WTFRAC - weighting fraction applied to results of emergency response cohort
 709  EZWTFRAC001      0.1
********   RECORD NUMBER   709 REPLACES RECORD NUMBER    44   ********
     *
     * TRAVELPOINT - determines whether boundary or centerpoint of destination is evacuee objective.
 710  TRAVELPOINT      CENTERPOINT
********   RECORD NUMBER   710 REPLACES RECORD NUMBER    46   ********
     *
     * ESPEED - evacuee travel speed during the three phases of evacuation
 711  EZESPEED001      0.894
********   RECORD NUMBER   711 REPLACES RECORD NUMBER    47   ********
 712  EZESPEED002      2.235
********   RECORD NUMBER   712 REPLACES RECORD NUMBER    48   ********
 713  EZESPEED003 8.941
********   RECORD NUMBER   713 REPLACES RECORD NUMBER    49   ********
     *
     * ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
 714  EZESPMUL001      0.7
********   RECORD NUMBER   714 REPLACES RECORD NUMBER    50   ********
 715  EZESPMUL002      0.7
********   RECORD NUMBER   715 REPLACES RECORD NUMBER    51   ********
 716  EZESPMUL003      0.7
********   RECORD NUMBER   716 REPLACES RECORD NUMBER    52   ********
     *
     * REFPNT - Defines reference time point for actions in evacuation ans sheltering zone.
 717  EZREFPNT001      ALARM
********   RECORD NUMBER   717 REPLACES RECORD NUMBER    53   ********
     *
     * DURBEG - duration of initial phase (beginning) of evacuation, in seconds.
 718  EZDURBEG001      7200.
```

```
********   RECORD NUMBER   718 REPLACES RECORD NUMBER    54   ********
      *
      * DURMID - duration of middle phase of evacuation, in seconds.
  719  EZDURMID001      7200.
********   RECORD NUMBER   719 REPLACES RECORD NUMBER    55   ********
      *
      * NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
  720  EZNUMEVA001      18
********   RECORD NUMBER   720 REPLACES RECORD NUMBER    56   ********
      *
      * DLTSHL - delay from reference time point to when individual takes shelter.  DLTEVA - delay elapsing between beginning of shelter period to when individuals begin evacuation.
  721  EZDLTSHL001      10800.
********   RECORD NUMBER   721 REPLACES RECORD NUMBER    57   ********
  722  EZDLTSHL002      10800.
********   RECORD NUMBER   722 REPLACES RECORD NUMBER    58   ********
  723  EZDLTSHL003      10800.
********   RECORD NUMBER   723 REPLACES RECORD NUMBER    59   ********
  724  EZDLTSHL004      10800.
********   RECORD NUMBER   724 REPLACES RECORD NUMBER    60   ********
  725  EZDLTSHL005      10800.
********   RECORD NUMBER   725 REPLACES RECORD NUMBER    61   ********
  726  EZDLTSHL006      10800.
********   RECORD NUMBER   726 REPLACES RECORD NUMBER    62   ********
  727  EZDLTSHL007      10800.
********   RECORD NUMBER   727 REPLACES RECORD NUMBER    63   ********
  728  EZDLTSHL008      10800.
********   RECORD NUMBER   728 REPLACES RECORD NUMBER    64   ********
  729  EZDLTSHL009      10800.
********   RECORD NUMBER   729 REPLACES RECORD NUMBER    65   ********
  730  EZDLTSHL010      10800.
********   RECORD NUMBER   730 REPLACES RECORD NUMBER    66   ********
  731  EZDLTSHL011      10800.
********   RECORD NUMBER   731 REPLACES RECORD NUMBER    67   ********
  732  EZDLTSHL012      10800.
********   RECORD NUMBER   732 REPLACES RECORD NUMBER    68   ********
  733  EZDLTSHL013      10800.
********   RECORD NUMBER   733 REPLACES RECORD NUMBER    69   ********
  734  EZDLTSHL014      10800.
********   RECORD NUMBER   734 REPLACES RECORD NUMBER    70   ********
  735  EZDLTSHL015      10800.
********   RECORD NUMBER   735 REPLACES RECORD NUMBER    71   ********
  736  EZDLTSHL016      10800.
********   RECORD NUMBER   736 REPLACES RECORD NUMBER    72   ********
  737  EZDLTSHL017      10800.
********   RECORD NUMBER   737 REPLACES RECORD NUMBER    73   ********
  738  EZDLTSHL018      10800.
********   RECORD NUMBER   738 REPLACES RECORD NUMBER    74   ********
      *
      * DLTEVA -Delay time to begin evacuation
  739  EZDLTEVA001      10800.
********   RECORD NUMBER   739 REPLACES RECORD NUMBER    75   ********
  740  EZDLTEVA002      10800.
********   RECORD NUMBER   740 REPLACES RECORD NUMBER    76   ********
  741  EZDLTEVA003      10800.
********   RECORD NUMBER   741 REPLACES RECORD NUMBER    77   ********
  742  EZDLTEVA004      10800.
********   RECORD NUMBER   742 REPLACES RECORD NUMBER    78   ********
  743  EZDLTEVA005      10800.
********   RECORD NUMBER   743 REPLACES RECORD NUMBER    79   ********
  744  EZDLTEVA006      10800.
********   RECORD NUMBER   744 REPLACES RECORD NUMBER    80   ********
  745  EZDLTEVA007      10800.
********   RECORD NUMBER   745 REPLACES RECORD NUMBER    81   ********
  746  EZDLTEVA008      10800.
********   RECORD NUMBER   746 REPLACES RECORD NUMBER    82   ********
  747  EZDLTEVA009      10800.
********   RECORD NUMBER   747 REPLACES RECORD NUMBER    83   ********
  748  EZDLTEVA010      10800.
********   RECORD NUMBER   748 REPLACES RECORD NUMBER    84   ********
  749  EZDLTEVA011      10800.
********   RECORD NUMBER   749 REPLACES RECORD NUMBER    85   ********
  750  EZDLTEVA012      10800.
********   RECORD NUMBER   750 REPLACES RECORD NUMBER    86   ********
  751  EZDLTEVA013      10800.
********   RECORD NUMBER   751 REPLACES RECORD NUMBER    87   ********
  752  EZDLTEVA014      10800.
********   RECORD NUMBER   752 REPLACES RECORD NUMBER    88   ********
  753  EZDLTEVA015      10800.
********   RECORD NUMBER   753 REPLACES RECORD NUMBER    89   ********
  754  EZDLTEVA016      10800.
********   RECORD NUMBER   754 REPLACES RECORD NUMBER    90   ********
  755  EZDLTEVA017      10800.
********   RECORD NUMBER   755 REPLACES RECORD NUMBER    91   ********
  756  EZDLTEVA018      10800.
********   RECORD NUMBER   756 REPLACES RECORD NUMBER    92   ********
      *
      * ESPGRD_NET - Evacuation speed multiplier for network evacuation
  757  EZESPGRD001      0.75    0.75    1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
1.     1.     1.     1.     1.     0.75    0.75    0.75
********   RECORD NUMBER   757 REPLACES RECORD NUMBER    93   ********
  758  EZESPGRD002      0.75    0.75    1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
1.     1.     1.     1.     1.     0.75    0.75    0.75
********   RECORD NUMBER   758 REPLACES RECORD NUMBER    94   ********
  759  EZESPGRD003      0.75    0.75    1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
1.     1.     1.     1.     1.     0.75    0.75    0.75
********   RECORD NUMBER   759 REPLACES RECORD NUMBER    95   ********
  760  EZESPGRD004      0.75    0.75    1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
1.     1.     1.     1.     1.     0.75    0.75    0.75
********   RECORD NUMBER   760 REPLACES RECORD NUMBER    96   ********
  761  EZESPGRD005      0.75    0.75    1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
1.     1.     1.     1.     1.     0.75    0.75    0.75
********   RECORD NUMBER   761 REPLACES RECORD NUMBER    97   ********
  762  EZESPGRD006      0.75    0.75    1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
1.     1.     1.     1.     1.     0.75    0.75    0.75
********   RECORD NUMBER   762 REPLACES RECORD NUMBER    98   ********
  763  EZESPGRD007      0.75    0.75    1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
1.     1.     1.     1.     1.     0.75    0.75    0.75
********   RECORD NUMBER   763 REPLACES RECORD NUMBER    99   ********
  764  EZESPGRD008      0.75    0.75    1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
1.     1.     1.     1.     1.     0.75    0.75    0.75
********   RECORD NUMBER   764 REPLACES RECORD NUMBER   100   ********
  765  EZESPGRD009      0.75    0.75    1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
```

```
1. 1. 1. 1. 1. 0.75 0.75 0.75
******** RECORD NUMBER 765 REPLACES RECORD NUMBER 101 ********
 766 EZESPGRD010 0.75 0.75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. 0.75 0.75 0.75
******** RECORD NUMBER 766 REPLACES RECORD NUMBER 102 ********
 767 EZESPGRD011 0.75 0.75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. 0.75 0.75 0.75
******** RECORD NUMBER 767 REPLACES RECORD NUMBER 103 ********
 768 EZESPGRD012 0.75 0.75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. 0.75 0.75 0.75
******** RECORD NUMBER 768 REPLACES RECORD NUMBER 104 ********
 769 EZESPGRD013 0.75 0.75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 0.75 1.
1. 1. 1. 1. 1. 0.75 0.75 0.75
******** RECORD NUMBER 769 REPLACES RECORD NUMBER 105 ********
 770 EZESPGRD014 0.75 0.75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.5 1.5 1.5 1.5 1.5 1.5 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 0.75
1. 1. 1. 1. 1. 1. 0.75 0.75 0.75
******** RECORD NUMBER 770 REPLACES RECORD NUMBER 106 ********
 771 EZESPGRD015 0.75 0.75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.5 1.5 1.5 1. 1. 1. 1. 1. 1.5 1.5 1.5 1.5 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 0.75
1. 1. 1. 1. 1. 1. 0.75 0.75 0.75
******** RECORD NUMBER 771 REPLACES RECORD NUMBER 107 ********
 772 EZESPGRD016 0.75 0.75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. 0.75 0.75 0.75
******** RECORD NUMBER 772 REPLACES RECORD NUMBER 108 ********
 773 EZESPGRD017 0.75 0.75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. 0.75 0.75 0.75
******** RECORD NUMBER 773 REPLACES RECORD NUMBER 109 ********
 774 EZESPGRD018 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. 1. 1.
******** RECORD NUMBER 774 REPLACES RECORD NUMBER 110 ********
 775 EZESPGRD019 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. 1. 1.
******** RECORD NUMBER 775 REPLACES RECORD NUMBER 111 ********
     *
     * IDIREC - destination direction of every spatial element in the evacuation and sheltering region
 776 EZIDIREC001 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1
******** RECORD NUMBER 776 REPLACES RECORD NUMBER 112 ********
 777 EZIDIREC002 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1
******** RECORD NUMBER 777 REPLACES RECORD NUMBER 113 ********
 778 EZIDIREC003 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 2 1 4 4 4 4 2 2 2 2 2 1 1 1 4 4 4 4 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 4 1 1
******** RECORD NUMBER 778 REPLACES RECORD NUMBER 114 ********
 779 EZIDIREC004 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 2 2 1 1 1 1 4 4 4 2 2 1 4 4 2 1 4 4 2 1 1 4 2 1
4 4 4 4 4 1 1
******** RECORD NUMBER 779 REPLACES RECORD NUMBER 115 ********
 780 EZIDIREC005 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 1 1 1 1 1 2 1 4 4 2 2 1 4 4 2 2 1 4 4 2 2 1 4 4 2 1
1 1 1 1 1 1 1
******** RECORD NUMBER 780 REPLACES RECORD NUMBER 116 ********
 781 EZIDIREC006 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 2 1 1 4 2 2 1 2 1 4 4 2 2 1 4 4 4 4 4
4 4 1 1 1 1 1
******** RECORD NUMBER 781 REPLACES RECORD NUMBER 117 ********
 782 EZIDIREC007 2 2 1 2 2 1 2 2 1 4 2 1 4 2 2 1 1 1 1 1 1 1 1 1 1 1 2 2 1 4 4 2 1 1 1 1 4 4 2 2 1 1 4 4 1 1 4 1 4 4 4 1 4 4 4 4 4
4 1 1 1 1 1 1
******** RECORD NUMBER 782 REPLACES RECORD NUMBER 118 ********
 783 EZIDIREC008 1 4 1 1 4 2 1 4 2 1 1 4 2 2 1 1 2 1 1 1 4 4 4 1 1 1 1 1 1 4 1 4 2 1 4 4 2 1 2 1 2 1 4 2 1 4 2 1 1 4 4 1 4 4 4 2 2
1 1 1 1 1 2 2
******** RECORD NUMBER 783 REPLACES RECORD NUMBER 119 ********
 784 EZIDIREC009 1 1 4 2 1 1 2 1 1 4 1 4 1 4 1 1 1 2 1 1 1 4 4 4 1 1 4 1 2 2 2 1 1 2 1 4 2 1 2 1 2 1 1 4 1 4 1 4 4 4 4 1 4 2 1 4 1
4 1 1 1 2 2 2
******** RECORD NUMBER 784 REPLACES RECORD NUMBER 120 ********
 785 EZIDIREC010 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 4 4 2 2 2 2 1 2 1 4 4 1 1 1 4 2 1 4 4 2 2 1 1 1 1 1 4
4 4 2 2 1 1 1
******** RECORD NUMBER 785 REPLACES RECORD NUMBER 121 ********
 786 EZIDIREC011 1 1 4 2 1 4 2 1 4 4 4 4 2 2 1 4 4 2 2 2 2 2 2 1 4 4 1 1 4 2 2 1 1 1 4 2 1 4 1 4 2 1 4 1 1 2 1 1 4 4 4 2 2 2 1 4 4
4 2 2 1 4 2 2
******** RECORD NUMBER 786 REPLACES RECORD NUMBER 122 ********
 787 EZIDIREC012 2 1 1 4 1 1 4 1 4 4 2 1 4 2 1 1 4 4 2 2 2 1 2 1 2 1 2 2 1 4 4 4 4 2 2 2 1 2 1 1 1 1 4 1 1 1 1 4 4 4 2 2 2 2 1 4 2
1 1 2 2 1 4 2
******** RECORD NUMBER 787 REPLACES RECORD NUMBER 123 ********
 788 EZIDIREC013 1 1 4 1 4 2 1 1 2 1 4 4 2 2 1 1 1 1 1 1 1 2 1 4 4 4 1 2 1 4 4 4 4 2 2 1 4 4 1 1 4 2 1 1 2 1 2 1 4 4 2 2 2 1 1 4 2
1 4 2 1 4 1 1
******** RECORD NUMBER 788 REPLACES RECORD NUMBER 124 ********
 789 EZIDIREC014 1 1 4 1 1 1 2 1 2 1 2 1 1 2 1 1 1 1 1 1 1 4 1 1 1 1 2 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 4 4 2 2 1 1 4 1
4 1 1 1 1 1 1
******** RECORD NUMBER 789 REPLACES RECORD NUMBER 125 ********
 790 EZIDIREC015 1 1 4 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 4 4 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 1 2 1 1 1 4 2 1 2 1 1 2 1
1 2 2 2 1 2 1
******** RECORD NUMBER 790 REPLACES RECORD NUMBER 126 ********
 791 EZIDIREC016 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1
******** RECORD NUMBER 791 REPLACES RECORD NUMBER 127 ********
 792 EZIDIREC017 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1
******** RECORD NUMBER 792 REPLACES RECORD NUMBER 128 ********
 793 EZIDIREC018 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1
******** RECORD NUMBER 793 REPLACES RECORD NUMBER 129 ********
 794 EZIDIREC019 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1
******** RECORD NUMBER 794 REPLACES RECORD NUMBER 130 ********
     *
     * LASMOV - The outermost spatial interval of the evacuation movement zone.
 795 EZLASMOV001 19
******** RECORD NUMBER 795 REPLACES RECORD NUMBER 131 ********
     *
     * EFFACY, KI Ingestion
 796 EZEFFACY001 0.7
******** RECORD NUMBER 796 REPLACES RECORD NUMBER 269 ********
     *
     * POPFRAC, KI Ingestion
 797 EZPOPFRC001 0.
******** RECORD NUMBER 797 REPLACES RECORD NUMBER 270 ********
     .
******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE 5 USER INPUT ********

USER INPUT PROCESSING SUMMARY - CHANGE CASE 5
NUMBER OF RECORDS CHANGED = 105
NUMBER OF RECORDS ADDED = 0
*************************************************************************************************************
```

With 1=forwards, 2=rightwards, 3=backwards, and 4=leftwards,
The Evacuation Network For This Scenario Was Defined As Follows:

```
IRAD      1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     1  1  1  1  1  1  1  1  1  1  1  1  1  2  1  1
  4     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  5     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4
  6     1  1  1  1  1  1  1  1  1  1  1  1  1  1  4  1
  7     2  2  1  2  2  1  2  2  1  4  2  1  4  2  2  1
  8     1  4  1  1  4  2  1  4  2  1  1  4  2  2  1  1
  9     1  1  4  2  1  1  2  1  1  4  1  4  1  4  1  1
 10     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 11     1  1  4  2  1  4  2  1  4  4  4  4  2  2  1  4
 12     2  1  1  4  1  1  4  1  4  4  2  1  4  2  1  1
 13     1  1  4  1  4  2  1  1  2  1  4  4  2  2  1  1
 14     1  1  4  1  1  1  2  1  2  1  2  1  1  2  1  1
 15     1  1  4  2  2  2  1  1  1  1  1  1  1  1  1  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD     17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     1  1  1  1  1  1  1  1  2  1  4  4  4  4  2  2
  4     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  5     1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  1
  6     1  1  1  1  1  1  1  1  1  1  2  2  2  2  2  2
  7     1  1  1  1  1  1  1  1  1  1  2  2  1  4  4  2
  8     2  1  1  1  4  4  4  1  1  1  1  1  1  4  1  4
  9     1  2  1  1  1  4  4  4  1  1  4  1  2  2  2  1
 10     1  1  1  1  1  1  1  1  1  1  1  1  1  4  4  4
 11     4  2  2  2  2  2  2  1  4  4  1  1  4  2  2  1
 12     4  4  2  2  2  1  2  1  2  1  2  2  1  4  4  4
 13     1  1  1  1  1  2  1  4  4  4  1  2  1  4  4  4
 14     1  1  1  1  1  4  1  1  1  1  2  1  4  1  1  1
 15     1  1  1  1  1  1  1  4  4  4  2  2  2  1  1  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD     33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     2  2  2  1  1  1  4  4  4  4  2  2  2  1  1  1
  4     4  2  2  1  1  1  1  4  4  4  2  2  1  4  4  2
  5     1  1  1  1  2  1  4  4  2  2  1  4  4  2  2  1
  6     2  2  1  1  1  1  2  1  1  4  2  2  1  2  1  4
  7     1  1  1  1  4  4  2  2  1  1  4  4  1  1  4  1
  8     2  1  4  4  2  1  2  1  2  1  4  2  1  4  2  1
  9     1  2  1  4  2  1  2  1  2  1  1  4  1  4  1  4
 10     2  2  2  2  1  2  1  4  4  1  1  1  4  2  1  4
 11     1  1  4  2  1  4  1  4  2  1  4  1  1  2  1  1
 12     4  2  2  2  1  2  1  1  1  1  4  1  1  1  1  4
 13     4  2  2  1  4  4  1  1  4  2  1  1  2  1  2  1
 14     1  1  1  1  1  1  1  1  1  1  1  1  1  1  2  1
 15     1  1  1  1  1  1  1  1  1  1  1  4  1  2  1  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD     49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     1  1  1  1  1  1  1  1  1  1  1  1  4  1  1  1
  4     1  4  4  2  1  1  4  2  1  4  4  4  4  4  1  1
  5     4  4  2  2  1  4  4  2  1  1  1  1  1  1  1  1
  6     4  2  2  1  4  4  4  4  4  4  4  1  1  1  1  1
  7     4  4  4  1  4  4  4  4  4  4  1  1  1  1  1  1
  8     1  4  4  1  4  4  4  2  2  1  1  1  1  1  2  2
  9     4  4  4  1  4  2  1  4  1  4  1  1  1  2  2  2
 10     4  2  2  1  1  1  1  1  4  4  4  2  2  1  1  1
 11     4  4  4  2  2  2  1  4  4  4  2  2  1  4  2  2
 12     4  4  2  2  2  2  1  4  2  1  1  2  2  1  4  2
 13     4  4  2  2  2  1  1  4  2  1  4  2  1  4  1  1
 14     1  4  4  2  2  1  1  4  1  4  1  1  1  1  1  1
 15     1  4  2  1  2  1  1  2  1  1  2  2  2  1  2  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
THE KI MODEL IS IN EFFECT


******** BEGINNING OF CHANGE CASE   6 USER INPUT ********
      *
      * CSFACT - Cloudshine shielding factor
  798  SECSFACT001      1.
********   RECORD NUMBER   798 REPLACES RECORD NUMBER    25   ********
  799  SECSFACT002      0.6
********   RECORD NUMBER   799 REPLACES RECORD NUMBER    26   ********
  800  SECSFACT003      0.5
********   RECORD NUMBER   800 REPLACES RECORD NUMBER    27   ********
      *
      * PROTIN - Inhalation protection factor
  801  SEPROTIN001      0.98
********   RECORD NUMBER   801 REPLACES RECORD NUMBER    28   ********
  802  SEPROTIN002      0.46
********   RECORD NUMBER   802 REPLACES RECORD NUMBER    29   ********
  803  SEPROTIN003      0.33
********   RECORD NUMBER   803 REPLACES RECORD NUMBER    30   ********
      *
      * BRRATE - Breathing rates
  804  SEBRRATE001      2.66E-04
```

```
********  RECORD NUMBER  804 REPLACES RECORD NUMBER   31  ********
 805  SEBRRATE002     2.66E-04
********  RECORD NUMBER  805 REPLACES RECORD NUMBER   32  ********
 806  SEBRRATE003     2.66E-04
********  RECORD NUMBER  806 REPLACES RECORD NUMBER   33  ********
     *
     * SKPFAC - skin protection factors
 807  SESKPFAC001     0.98
********  RECORD NUMBER  807 REPLACES RECORD NUMBER   34  ********
 808  SESKPFAC002     0.46
********  RECORD NUMBER  808 REPLACES RECORD NUMBER   35  ********
 809  SESKPFAC003     0.33
********  RECORD NUMBER  809 REPLACES RECORD NUMBER   36  ********
     *
     * GSHFAC - groundshine shielding factors
 810  SEGSHFAC001     0.5
********  RECORD NUMBER  810 REPLACES RECORD NUMBER   37  ********
 811  SEGSHFAC002     0.18
********  RECORD NUMBER  811 REPLACES RECORD NUMBER   38  ********
 812  SEGSHFAC003     0.1
********  RECORD NUMBER  812 REPLACES RECORD NUMBER   39  ********
     *
     * EANAM2 - Name of emergency response cohort
 813  EZEANAM2001     '10-30 Public'
********  RECORD NUMBER  813 REPLACES RECORD NUMBER   42  ********
     *
     * WTFRAC - weighting fraction applied to results of emergency response cohort
 814  EZWTFRAC001     0.
********  RECORD NUMBER  814 REPLACES RECORD NUMBER   44  ********
     *
     * TRAVELPOINT - determines whether boundary or centerpoint of destination is evacuee objective.
 815  TRAVELPOINT     CENTERPOINT
********  RECORD NUMBER  815 REPLACES RECORD NUMBER   46  ********
     *
     * ESPEED - evacuee travel speed during the three phases of evacuation
 816  EZESPEED001     0.894
********  RECORD NUMBER  816 REPLACES RECORD NUMBER   47  ********
 817  EZESPEED002     0.447
********  RECORD NUMBER  817 REPLACES RECORD NUMBER   48  ********
 818  EZESPEED003     8.941
********  RECORD NUMBER  818 REPLACES RECORD NUMBER   49  ********
     *
     * ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
 819  EZESPMUL001     0.7
********  RECORD NUMBER  819 REPLACES RECORD NUMBER   50  ********
 820  EZESPMUL002     0.7
********  RECORD NUMBER  820 REPLACES RECORD NUMBER   51  ********
 821  EZESPMUL003     0.7
********  RECORD NUMBER  821 REPLACES RECORD NUMBER   52  ********
     *
     * REFPNT - Defines reference time point for actions in evacuation ans sheltering zone.
 822  EZREFPNT001     ALARM
********  RECORD NUMBER  822 REPLACES RECORD NUMBER   53  ********
     *
     * DURBEG - duration of initial phase (beginning) of evacuation, in seconds.
 823  EZDURBEG001     7200.
********  RECORD NUMBER  823 REPLACES RECORD NUMBER   54  ********
     *
     * DURMID - duration of middle phase of evacuation, in seconds.
 824  EZDURMID001     64800.
********  RECORD NUMBER  824 REPLACES RECORD NUMBER   55  ********
     *
     * NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
 825  EZNUMEVA001     18
********  RECORD NUMBER  825 REPLACES RECORD NUMBER   56  ********
     *
     * DLTSHL - delay from reference time point to when individual takes shelter.  DLTEVA - delay elapsing between beginning of shelter period to when individuals begin evacuation.
 826  EZDLTSHL001     86400.
********  RECORD NUMBER  826 REPLACES RECORD NUMBER   57  ********
 827  EZDLTSHL002     86400.
********  RECORD NUMBER  827 REPLACES RECORD NUMBER   58  ********
 828  EZDLTSHL003     86400.
********  RECORD NUMBER  828 REPLACES RECORD NUMBER   59  ********
 829  EZDLTSHL004     86400.
********  RECORD NUMBER  829 REPLACES RECORD NUMBER   60  ********
 830  EZDLTSHL005     86400.
********  RECORD NUMBER  830 REPLACES RECORD NUMBER   61  ********
 831  EZDLTSHL006     86400.
********  RECORD NUMBER  831 REPLACES RECORD NUMBER   62  ********
 832  EZDLTSHL007     86400.
********  RECORD NUMBER  832 REPLACES RECORD NUMBER   63  ********
 833  EZDLTSHL008     86400.
********  RECORD NUMBER  833 REPLACES RECORD NUMBER   64  ********
 834  EZDLTSHL009     86400.
********  RECORD NUMBER  834 REPLACES RECORD NUMBER   65  ********
 835  EZDLTSHL010     86400.
********  RECORD NUMBER  835 REPLACES RECORD NUMBER   66  ********
 836  EZDLTSHL011     86400.
********  RECORD NUMBER  836 REPLACES RECORD NUMBER   67  ********
 837  EZDLTSHL012     86400.
********  RECORD NUMBER  837 REPLACES RECORD NUMBER   68  ********
 838  EZDLTSHL013     86400.
********  RECORD NUMBER  838 REPLACES RECORD NUMBER   69  ********
 839  EZDLTSHL014     86400.
********  RECORD NUMBER  839 REPLACES RECORD NUMBER   70  ********
 840  EZDLTSHL015     86400.
********  RECORD NUMBER  840 REPLACES RECORD NUMBER   71  ********
 841  EZDLTSHL016     86400.
********  RECORD NUMBER  841 REPLACES RECORD NUMBER   72  ********
 842  EZDLTSHL017     86400.
********  RECORD NUMBER  842 REPLACES RECORD NUMBER   73  ********
 843  EZDLTSHL018     86400.
********  RECORD NUMBER  843 REPLACES RECORD NUMBER   74  ********
     *
     * DLTEVA -Delay time to begin evacuation
 844  EZDLTEVA001     14400.
********  RECORD NUMBER  844 REPLACES RECORD NUMBER   75  ********
 845  EZDLTEVA002     14400.
********  RECORD NUMBER  845 REPLACES RECORD NUMBER   76  ********
 846  EZDLTEVA003     14400.
********  RECORD NUMBER  846 REPLACES RECORD NUMBER   77  ********
 847  EZDLTEVA004     14400.
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********   RECORD NUMBER   847 REPLACES RECORD NUMBER    78   ********
  848  EZDLTEVA005      14400.
********   RECORD NUMBER   848 REPLACES RECORD NUMBER    79   ********
  849  EZDLTEVA006      14400.
********   RECORD NUMBER   849 REPLACES RECORD NUMBER    80   ********
  850  EZDLTEVA007      14400.
********   RECORD NUMBER   850 REPLACES RECORD NUMBER    81   ********
  851  EZDLTEVA008      14400.
********   RECORD NUMBER   851 REPLACES RECORD NUMBER    82   ********
  852  EZDLTEVA009      14400.
********   RECORD NUMBER   852 REPLACES RECORD NUMBER    83   ********
  853  EZDLTEVA010      14400.
********   RECORD NUMBER   853 REPLACES RECORD NUMBER    84   ********
  854  EZDLTEVA011      14400.
********   RECORD NUMBER   854 REPLACES RECORD NUMBER    85   ********
  855  EZDLTEVA012      14400.
********   RECORD NUMBER   855 REPLACES RECORD NUMBER    86   ********
  856  EZDLTEVA013      14400.
********   RECORD NUMBER   856 REPLACES RECORD NUMBER    87   ********
  857  EZDLTEVA014      14400.
********   RECORD NUMBER   857 REPLACES RECORD NUMBER    88   ********
  858  EZDLTEVA015      14400.
********   RECORD NUMBER   858 REPLACES RECORD NUMBER    89   ********
  859  EZDLTEVA016      14400.
********   RECORD NUMBER   859 REPLACES RECORD NUMBER    90   ********
  860  EZDLTEVA017     14400.
********   RECORD NUMBER   860 REPLACES RECORD NUMBER    91   ********
  861  EZDLTEVA018      14400.
********   RECORD NUMBER   861 REPLACES RECORD NUMBER    92   ********
      *
      * ESPGRD_NET - Evacuation speed multiplier for network evacuation
  862  EZESPGRD001     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   862 REPLACES RECORD NUMBER    93   ********
  863  EZESPGRD002     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   863 REPLACES RECORD NUMBER    94   ********
  864  EZESPGRD003     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   864 REPLACES RECORD NUMBER    95   ********
  865  EZESPGRD004     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   865 REPLACES RECORD NUMBER    96   ********
  866  EZESPGRD005     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   866 REPLACES RECORD NUMBER    97   ********
  867  EZESPGRD006     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   867 REPLACES RECORD NUMBER    98   ********
  868  EZESPGRD007     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   868 REPLACES RECORD NUMBER    99   ********
  869  EZESPGRD008     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   869 REPLACES RECORD NUMBER   100   ********
  870  EZESPGRD009     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   870 REPLACES RECORD NUMBER   101   ********
  871  EZESPGRD010     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   871 REPLACES RECORD NUMBER   102   ********
  872  EZESPGRD011     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   872 REPLACES RECORD NUMBER   103   ********
  873  EZESPGRD012     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   873 REPLACES RECORD NUMBER   104   ********
  874  EZESPGRD013     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   0.75   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   874 REPLACES RECORD NUMBER   105   ********
  875  EZESPGRD014     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.5   1.5   1.5   1.5   1.5   1.5   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   0.75
1.   1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   875 REPLACES RECORD NUMBER   106   ********
  876  EZESPGRD015     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.5   1.5   1.5   1.   1.   1.   1.   1.   1.5   1.5   1.5   1.5   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   0.75
1.   1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   876 REPLACES RECORD NUMBER   107   ********
  877  EZESPGRD016     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   877 REPLACES RECORD NUMBER   108   ********
  878  EZESPGRD017     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER   878 REPLACES RECORD NUMBER   109   ********
  879  EZESPGRD018     1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   1.   1.
********   RECORD NUMBER   879 REPLACES RECORD NUMBER   110   ********
  880  EZESPGRD019     1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   1.   1.
********   RECORD NUMBER   880 REPLACES RECORD NUMBER   111   ********
      *
      * IDIREC - destination direction of every spatial element in the evacuation and sheltering region
  881  EZIDIREC001     1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1     1    1    1    1    1    1    1    1
1    1    1    1    1    1    1
********   RECORD NUMBER   881 REPLACES RECORD NUMBER   112   ********
  882  EZIDIREC002     1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1
1    1    1    1    1    1    1
********   RECORD NUMBER   882 REPLACES RECORD NUMBER   113   ********
  883  EZIDIREC003     1    1    1    1    1    1    1    1    1    1    1    1    1    2    1    1    1    1    1    1    1    1    1    1    2    1    4    4    4    4    2    2    2    2    2    1    1    1    4    4    4    4    2    2    2    1    1    1    1    1    1    1    1    1    1    1    1
1    1    1    1    4    1    1
********   RECORD NUMBER   883 REPLACES RECORD NUMBER   114   ********
  884  EZIDIREC004     1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    4    2    2    1    1    1    1    4    4    4    2    2    1    4    4    2    1    4    4    2    1    1    4    2    1
4    4    4    4    4    1    1
********   RECORD NUMBER   884 REPLACES RECORD NUMBER   115   ********
  885  EZIDIREC005     1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    4    1    1    1    1    1    1    1    1    1    2    2    2    2    2    2    1    1    1    1    1    2    1    4    4    2    2    1    4    4    2    2    1    4    4    2    2    1    4    4    2    1
1    1    1    1    1    1    1
********   RECORD NUMBER   885 REPLACES RECORD NUMBER   116   ********
  886  EZIDIREC006     1    1    1    1    1    1    1    1    1    1    1    1    1    1    4    1    1    1    1    1    1    1    1    1    1    1    2    2    2    2    2    2    2    2    1    1    1    1    2    1    1    4    2    2    1    2    1    4    4    2    2    1    4    4    4    4    4
4    4    1    1    1    1    1
********   RECORD NUMBER   886 REPLACES RECORD NUMBER   117   ********
  887  EZIDIREC007     2    2    1    2    2    1    2    2    1    4    2    1    4    2    2    1    1    1    1    1    1    1    1    1    1    1    2    2    1    4    4    2    1    1    1    1    4    4    2    2    1    1    4    4    1    1    4    1    4    4    4    1    4    4    4    4    4
4    1    1    1    1    1    1
********   RECORD NUMBER   887 REPLACES RECORD NUMBER   118   ********
  888  EZIDIREC008     1    4    1    1    4    2    1    4    2    1    1    4    2    2    1    1    2    1    1    1    4    4    4    1    1    1    1    1    1    4    1    4    2    1    4    4    2    1    2    1    2    1    4    2    1    4    2    1    1    4    4    1    4    4    4    2    2
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1     1     1     1     1     2     2
********  RECORD NUMBER   888 REPLACES RECORD NUMBER   119   ********
 889  EZIDIREC009     1     1     4     2     1     1     2     1     1     4     1     4     1     4     1     1     1     2     1     1     1     4     4     4     1     1     4     1     2     2     2     1     1     2     1     4     2     1     2     1     2     1     1     4     1     4     1     4     4     4     4     1     4     2     1     4     1
4     1     1     1     2     2     2
********  RECORD NUMBER   889 REPLACES RECORD NUMBER   120   ********
 890  EZIDIREC010     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     4     4     4     2     2     2     2     1     2     1     4     4     1     1     1     4     2     1     4     4     2     2     1     1     1     1     1     4
4     4     2     2     1     1     1
********  RECORD NUMBER   890 REPLACES RECORD NUMBER   121   ********
 891  EZIDIREC011     1     1     4     2     1     4     2     1     4     4     4     4     2     2     1     4     4     2     2     2     2     2     2     1     4     4     1     1     4     2     2     1     1     1     4     2     1     4     1     4     2     1     4     1     1     2     1     1     4     4     4     2     2     2     1     4     4
4     2     2     1     4     2     2
********  RECORD NUMBER   891 REPLACES RECORD NUMBER   122   ********
 892  EZIDIREC012     2     1     1     4     1     1     4     1     4     4     2     1     4     2     1     1     4     4     2     2     2     1     2     1     2     1     2     2     1     4     4     4     4     2     2     2     1     2     1     1     1     1     4     1     1     1     1     4     4     4     2     2     2     2     1     4     2
1     1     2     2     1     4     2
********  RECORD NUMBER   892 REPLACES RECORD NUMBER   123   ********
 893  EZIDIREC013     1     1     4     1     4     2     1     1     2     1     4     4     2     2     1     1     1     1     1     1     1     2     1     4     4     4     1     2     1     4     4     4     4     2     2     1     4     4     1     1     4     2     1     1     2     1     2     1     4     4     2     2     2     1     1     4     2
1     4     2     1     4     1     1
********  RECORD NUMBER   893 REPLACES RECORD NUMBER   124   ********
 894  EZIDIREC014     1     1     4     1     1     2     1     2     1     2     1     1     2     1     1     1     1     1     1     1     4     1     1     1     1     2     1     4     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     2     1     1     4     4     2     2     1     1     4     1
4     1     1     1     1     1     1
********  RECORD NUMBER   894 REPLACES RECORD NUMBER   125   ********
 895  EZIDIREC015     1     1     4     2     2     2     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     4     4     4     2     2     2     1     1     1     1     1     1     1     1     1     1     1     1     1     1     4     1     2     1     1     1     4     2     1     2     1     1     2     1
1     2     2     2     1     2     1
********  RECORD NUMBER   895 REPLACES RECORD NUMBER   126   ********
 896  EZIDIREC016     1     1     1     1     1     1     1     1     1     1     1     1     1     1     4     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1
1     1     1     1     1     1     1
********  RECORD NUMBER   896 REPLACES RECORD NUMBER   127   ********
 897  EZIDIREC017     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1
1     1     1     1     1     1     1
********  RECORD NUMBER   897 REPLACES RECORD NUMBER   128   ********
 898  EZIDIREC018     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1
1     1     1     1     1     1     1
********  RECORD NUMBER   898 REPLACES RECORD NUMBER   129   ********
 899  EZIDIREC019     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1
1     1     1     1     1     1     1
********  RECORD NUMBER   899 REPLACES RECORD NUMBER   130   ********
     *
     * LASMOV - The outermost spatial interval of the evacuation movement zone.
 900  EZLASMOV001     19
********  RECORD NUMBER   900 REPLACES RECORD NUMBER   131   ********
     *
     * EFFACY,  KI Ingestion
 901  EZEFFACY001     0.7
********  RECORD NUMBER   901 REPLACES RECORD NUMBER   269   ********
     *
     * POPFRAC, KI Ingestion
 902  EZPOPFRC001     0.
********  RECORD NUMBER   902 REPLACES RECORD NUMBER   270   ********
     .
******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE   6 USER INPUT ********

USER INPUT PROCESSING SUMMARY - CHANGE CASE   6
NUMBER OF RECORDS CHANGED            =  105
NUMBER OF RECORDS ADDED              =    0
*****************************************************************************************************************
```

With 1=forwards, 2=rightwards, 3=backwards, and 4=leftwards,
The Evacuation Network For This Scenario Was Defined As Follows:

```
IRAD     1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16
  1      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3      1  1  1  1  1  1  1  1  1  1  1  1  1  2  1  1
  4      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  5      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4
  6      1  1  1  1  1  1  1  1  1  1  1  1  1  1  4  1
  7      2  2  1  2  2  1  2  2  1  4  2  1  4  2  2  1
  8      1  4  1  1  4  2  1  4  2  1  1  4  2  2  1  1
  9      1  1  4  2  1  1  2  1  1  4  1  4  1  4  1  1
 10      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 11      1  1  4  2  1  4  2  1  4  4  4  4  2  2  1  4
 12      2  1  1  4  1  1  4  1  4  4  2  1  4  2  1  1
 13      1  1  4  1  4  2  1  1  2  1  4  4  2  2  1  1
 14      1  1  4  1  1  1  2  1  2  1  2  1  1  2  1  1
 15      1  1  4  2  2  2  1  1  1  1  1  1  1  1  1  1
 16      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4
 17      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD    17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
  1      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3      1  1  1  1  1  1  1  1  2  1  4  4  4  4  2  2
  4      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  5      1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  1
  6      1  1  1  1  1  1  1  1  1  1  2  2  2  2  2  2
  7      1  1  1  1  1  1  1  1  1  1  2  2  1  4  4  2
  8      2  1  1  1  4  4  4  1  1  1  1  1  1  4  1  4
  9      1  2  1  1  1  4  4  4  1  1  4  1  2  2  2  1
 10      1  1  1  1  1  1  1  1  1  1  1  1  1  4  4  4
 11      4  2  2  2  2  2  2  1  4  4  1  1  4  2  2  1
 12      4  4  2  2  2  1  2  1  2  1  2  2  1  4  4  4
 13      1  1  1  1  1  2  1  4  4  4  1  2  1  4  4  4
 14      1  1  1  1  1  4  1  1  1  1  2  1  4  1  1  1
 15      1  1  1  1  1  1  1  4  4  4  2  2  2  1  1  1
 16      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD    33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
  1      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3      2  2  2  1  1  1  4  4  4  4  2  2  2  1  1  1
  4      4  2  2  1  1  1  1  4  4  4  2  2  1  4  4  2
  5      1  1  1  1  2  1  4  4  2  2  1  4  4  2  2  1
  6      2  2  1  1  1  1  2  1  1  4  2  2  1  2  1  4
  7      1  1  1  1  4  4  2  2  1  1  4  4  1  1  4  1
```

```
  8     2  1  4  4  2  1  2  1  2  1  4  2  1  4  2  1
  9     1  2  1  4  2  1  2  1  2  1  1  4  1  4  1  4
 10     2  2  2  2  1  2  1  4  4  1  1  1  4  2  1  4
 11     1  1  4  2  1  4  1  4  2  1  4  1  1  2  1  1
 12     4  2  2  2  1  2  1  1  1  1  4  1  1  1  1  4
 13     4  2  2  1  4  4  1  1  4  2  1  1  2  1  2  1
 14     1  1  1  1  1  1  1  1  1  1  1  1  1  1  2  1
 15     1  1  1  1  1  1  1  1  1  1  1  4  1  2  1  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD    49  50  51  52  53  54  55  56  57  58  59  60  61  62  63  64
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     1  1  1  1  1  1  1  1  1  1  1  1  1  4  1  1
  4     1  4  4  2  1  1  4  2  1  4  4  4  4  4  1  1
  5     4  4  2  2  1  4  4  2  1  1  1  1  1  1  1  1
  6     4  2  2  1  4  4  4  4  4  4  4  1  1  1  1  1
  7     4  4  4  1  4  4  4  4  4  4  1  1  1  1  1  1
  8     1  4  4  1  4  4  4  2  2  1  1  1  1  1  2  2
  9     4  4  4  1  4  2  1  4  1  4  1  1  1  2  2  2
 10     4  2  2  1  1  1  1  1  4  4  4  2  2  1  1  1
 11     4  4  4  2  2  2  1  4  4  4  2  2  1  4  2  2
 12     4  4  2  2  2  2  1  4  2  1  1  2  2  1  4  2
 13     4  4  2  2  2  1  1  4  2  1  4  2  1  4  1  1
 14     1  4  4  2  2  1  1  4  1  4  1  1  1  1  1  1
 15     1  4  2  1  2  1  1  2  1  1  2  2  2  1  2  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
THE KI MODEL IS IN EFFECT


******** BEGINNING OF CHANGE CASE   7 USER INPUT ********
     *
     * CSFACT - Cloudshine shielding factor
 903  SECSFACT001      1.
********   RECORD NUMBER   903 REPLACES RECORD NUMBER    25   ********
 904  SECSFACT002      0.31
********   RECORD NUMBER   904 REPLACES RECORD NUMBER    26   ********
 905  SECSFACT003      0.31
********   RECORD NUMBER   905 REPLACES RECORD NUMBER    27   ********
     *
     * PROTIN - Inhalation protection factor
 906  SEPROTIN001      0.98
********   RECORD NUMBER   906 REPLACES RECORD NUMBER    28   ********
 907  SEPROTIN002      0.33
********   RECORD NUMBER   907 REPLACES RECORD NUMBER    29   ********
 908  SEPROTIN003      0.33
********   RECORD NUMBER   908 REPLACES RECORD NUMBER    30   ********
     *
     * BRRATE - Breathing rates
 909  SEBRRATE001      2.66E-04
********   RECORD NUMBER   909 REPLACES RECORD NUMBER    31   ********
 910  SEBRRATE002      2.66E-04
********   RECORD NUMBER   910 REPLACES RECORD NUMBER    32   ********
 911  SEBRRATE003      2.66E-04
********   RECORD NUMBER   911 REPLACES RECORD NUMBER    33   ********
     *
     * SKPFAC - skin protection factors
 912  SESKPFAC001      0.98
********   RECORD NUMBER   912 REPLACES RECORD NUMBER    34   ********
 913  SESKPFAC002      0.33
********   RECORD NUMBER   913 REPLACES RECORD NUMBER    35   ********
 914  SESKPFAC003      0.33
********   RECORD NUMBER   914 REPLACES RECORD NUMBER    36   ********
     *
     * GSHFAC - groundshine shielding factors
 915  SEGSHFAC001      0.5
********   RECORD NUMBER   915 REPLACES RECORD NUMBER    37   ********
 916  SEGSHFAC002      0.05
********   RECORD NUMBER   916 REPLACES RECORD NUMBER    38   ********
 917  SEGSHFAC003      0.05
********   RECORD NUMBER   917 REPLACES RECORD NUMBER    39   ********
     *
     * EANAM2 - Name of emergency response cohort
 918  EZEANAM2001      '10-30 Special Facilities'
********   RECORD NUMBER   918 REPLACES RECORD NUMBER    42   ********
     *
     * WTFRAC - weighting fraction applied to results of emergency response cohort
 919  EZWTFRAC001      0.
********   RECORD NUMBER   919 REPLACES RECORD NUMBER    44   ********
     *
     * TRAVELPOINT - determines whether boundary or centerpoint of destination is evacuee objective.
 920  TRAVELPOINT      CENTERPOINT
********   RECORD NUMBER   920 REPLACES RECORD NUMBER    46   ********
     *
     * ESPEED - evacuee travel speed during the three phases of evacuation
 921  EZESPEED001      0.447
********   RECORD NUMBER   921 REPLACES RECORD NUMBER    47   ********
 922  EZESPEED002      0.447
********   RECORD NUMBER   922 REPLACES RECORD NUMBER    48   ********
 923  EZESPEED003      8.941
********   RECORD NUMBER   923 REPLACES RECORD NUMBER    49   ********
     *
     * ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
 924  EZESPMUL001      0.7
********   RECORD NUMBER   924 REPLACES RECORD NUMBER    50   ********
 925  EZESPMUL002      0.7
********   RECORD NUMBER   925 REPLACES RECORD NUMBER    51   ********
 926  EZESPMUL003      0.7
********   RECORD NUMBER   926 REPLACES RECORD NUMBER    52   ********
     *
     * REFPNT - Defines reference time point for actions in evacuation ans sheltering zone.
 927  EZREFPNT001      ALARM
********   RECORD NUMBER   927 REPLACES RECORD NUMBER    53   ********
     *
     * DURBEG - duration of initial phase (beginning) of evacuation, in seconds.
 928  EZDURBEG001      3600.
```

```
********   RECORD NUMBER   928 REPLACES RECORD NUMBER    54   ********
       *
       * DURMID - duration of middle phase of evacuation, in seconds.
  929  EZDURMID001      36000.
********   RECORD NUMBER   929 REPLACES RECORD NUMBER    55   ********
       *
       * NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
  930  EZNUMEVA001      18
********   RECORD NUMBER   930 REPLACES RECORD NUMBER    56   ********
       *
       * DLTSHL - delay from reference time point to when individual takes shelter.  DLTEVA - delay elapsing between beginning of shelter period to when individuals begin evacuation.
  931  EZDLTSHL001      54000.
********   RECORD NUMBER   931 REPLACES RECORD NUMBER    57   ********
  932  EZDLTSHL002      54000.
********   RECORD NUMBER   932 REPLACES RECORD NUMBER    58   ********
  933  EZDLTSHL003      54000.
********   RECORD NUMBER   933 REPLACES RECORD NUMBER    59   ********
  934  EZDLTSHL004      54000.
********   RECORD NUMBER   934 REPLACES RECORD NUMBER    60   ********
  935  EZDLTSHL005      54000.
********   RECORD NUMBER   935 REPLACES RECORD NUMBER    61   ********
  936  EZDLTSHL006      54000.
********   RECORD NUMBER   936 REPLACES RECORD NUMBER    62   ********
  937  EZDLTSHL007      54000.
********   RECORD NUMBER   937 REPLACES RECORD NUMBER    63   ********
  938  EZDLTSHL008      54000.
********   RECORD NUMBER   938 REPLACES RECORD NUMBER    64   ********
  939  EZDLTSHL009      54000.
********   RECORD NUMBER   939 REPLACES RECORD NUMBER    65   ********
  940  EZDLTSHL010      54000.
********   RECORD NUMBER   940 REPLACES RECORD NUMBER    66   ********
  941  EZDLTSHL011      54000.
********   RECORD NUMBER   941 REPLACES RECORD NUMBER    67   ********
  942  EZDLTSHL012      54000.
********   RECORD NUMBER   942 REPLACES RECORD NUMBER    68   ********
  943  EZDLTSHL013      54000.
********   RECORD NUMBER   943 REPLACES RECORD NUMBER    69   ********
  944  EZDLTSHL014      54000.
********   RECORD NUMBER   944 REPLACES RECORD NUMBER    70   ********
  945  EZDLTSHL015      54000.
********   RECORD NUMBER   945 REPLACES RECORD NUMBER    71   ********
  946  EZDLTSHL016      54000.
********   RECORD NUMBER   946 REPLACES RECORD NUMBER    72   ********
  947  EZDLTSHL017     54000.
********   RECORD NUMBER   947 REPLACES RECORD NUMBER    73   ********
  948  EZDLTSHL018      54000.
********   RECORD NUMBER   948 REPLACES RECORD NUMBER    74   ********
       *
       * DLTEVA -Delay time to begin evacuation
  949  EZDLTEVA001      54000.
********   RECORD NUMBER   949 REPLACES RECORD NUMBER    75   ********
  950  EZDLTEVA002      54000.
********   RECORD NUMBER   950 REPLACES RECORD NUMBER    76   ********
  951  EZDLTEVA003      54000.
********   RECORD NUMBER   951 REPLACES RECORD NUMBER    77   ********
  952  EZDLTEVA004      54000.
********   RECORD NUMBER   952 REPLACES RECORD NUMBER    78   ********
  953  EZDLTEVA005      54000.
********   RECORD NUMBER   953 REPLACES RECORD NUMBER    79   ********
  954  EZDLTEVA006      54000.
********   RECORD NUMBER   954 REPLACES RECORD NUMBER    80   ********
  955  EZDLTEVA007      54000.
********   RECORD NUMBER   955 REPLACES RECORD NUMBER    81   ********
  956  EZDLTEVA008      54000.
********   RECORD NUMBER   956 REPLACES RECORD NUMBER    82   ********
  957  EZDLTEVA009      54000.
********   RECORD NUMBER   957 REPLACES RECORD NUMBER    83   ********
  958  EZDLTEVA010      54000.
********   RECORD NUMBER   958 REPLACES RECORD NUMBER    84   ********
  959  EZDLTEVA011      54000.
********   RECORD NUMBER   959 REPLACES RECORD NUMBER    85   ********
  960  EZDLTEVA012      54000.
********   RECORD NUMBER   960 REPLACES RECORD NUMBER    86   ********
  961  EZDLTEVA013      54000.
********   RECORD NUMBER   961 REPLACES RECORD NUMBER    87   ********
  962  EZDLTEVA014      54000.
********   RECORD NUMBER   962 REPLACES RECORD NUMBER    88   ********
  963  EZDLTEVA015      54000.
********   RECORD NUMBER   963 REPLACES RECORD NUMBER    89   ********
  964  EZDLTEVA016      54000.
********   RECORD NUMBER   964 REPLACES RECORD NUMBER    90   ********
  965  EZDLTEVA017      54000.
********   RECORD NUMBER   965 REPLACES RECORD NUMBER    91   ********
  966  EZDLTEVA018      54000.
********   RECORD NUMBER   966 REPLACES RECORD NUMBER    92   ********
       *
       * ESPGRD_NET - Evacuation speed multiplier for network evacuation
  967  EZESPGRD001      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   967 REPLACES RECORD NUMBER    93   ********
  968  EZESPGRD002      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   968 REPLACES RECORD NUMBER    94   ********
  969  EZESPGRD003      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   969 REPLACES RECORD NUMBER    95   ********
  970  EZESPGRD004      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   970 REPLACES RECORD NUMBER    96   ********
  971  EZESPGRD005      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   971 REPLACES RECORD NUMBER    97   ********
  972  EZESPGRD006      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   972 REPLACES RECORD NUMBER    98   ********
  973  EZESPGRD007      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   973 REPLACES RECORD NUMBER    99   ********
  974  EZESPGRD008      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER   974 REPLACES RECORD NUMBER   100   ********
  975  EZESPGRD009      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
```

```
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  975 REPLACES RECORD NUMBER  101  ********
 976  EZESPGRD010   0.75  0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  976 REPLACES RECORD NUMBER  102  ********
 977  EZESPGRD011   0.75  0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  977 REPLACES RECORD NUMBER  103  ********
 978  EZESPGRD012   0.75  0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  978 REPLACES RECORD NUMBER  104  ********
 979  EZESPGRD013   0.75  0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  0.75  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  979 REPLACES RECORD NUMBER  105  ********
 980  EZESPGRD014   0.75  0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.5  1.5  1.5  1.5  1.5  1.5  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  0.75
1.  1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  980 REPLACES RECORD NUMBER  106  ********
 981  EZESPGRD015   0.75  0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.5  1.5  1.5  1.  1.  1.  1.  1.  1.5  1.5  1.5  1.5  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  0.75
1.  1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  981 REPLACES RECORD NUMBER  107  ********
 982  EZESPGRD016   0.75  0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.   1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  982 REPLACES RECORD NUMBER  108  ********
 983  EZESPGRD017   0.75  0.75  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  0.75  0.75  0.75
********  RECORD NUMBER  983 REPLACES RECORD NUMBER  109  ********
 984  EZESPGRD018   1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  1.  1.
********  RECORD NUMBER  984 REPLACES RECORD NUMBER  110  ********
 985  EZESPGRD019   1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.  1.
1.  1.  1.  1.  1.  1.  1.
********  RECORD NUMBER  985 REPLACES RECORD NUMBER  111  ********
     *
     * IDIREC - destination direction of every spatial element in the evacuation and sheltering region
 986  EZIDIREC001   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
1  1  1  1  1  1  1
********  RECORD NUMBER  986 REPLACES RECORD NUMBER  112  ********
 987  EZIDIREC002   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
1  1  1  1  1  1  1
********  RECORD NUMBER  987 REPLACES RECORD NUMBER  113  ********
 988  EZIDIREC003   1  1  1  1  1  1  1  1  1  1  1  1  1  2  1  1  1  1  1  1  1  1  1  1  2  1  4  4  4  4  2  2  2  2  2  1  1  1  4  4  4  4  2  2  2  1  1  1  1  1  1  1  1  1  1  1  1
1  1  1  1  4  1  1
********  RECORD NUMBER  988 REPLACES RECORD NUMBER  114  ********
 989  EZIDIREC004   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4  2  2  1  1  1  1  4  4  4  2  2  1  4  4  2  1  4  4  2  1  1  4  2  1
4  4  4  4  4  1  1
********  RECORD NUMBER  989 REPLACES RECORD NUMBER  115  ********
 990  EZIDIREC005   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4  1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  1  1  1  1  1  2  1  4  4  2  2  1  4  4  2  2  1  4  4  2  2  1  4  4  2  1
1  1  1  1  1  1  1
********  RECORD NUMBER  990 REPLACES RECORD NUMBER  116  ********
 991  EZIDIREC006   1  1  1  1  1  1  1  1  1  1  1  1  1  1  4  1  1  1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  1  1  1  1  2  1  1  4  2  2  1  2  1  4  4  2  2  1  4  4  4  4  4
4  4  1  1  1  1  1
********  RECORD NUMBER  991 REPLACES RECORD NUMBER  117  ********
 992  EZIDIREC007   2  2  1  2  2  1  2  2  1  4  2  1  4  2  2  1  1  1  1  1  1  1  1  1  1  1  2  2  1  4  4  2  1  1  1  1  4  4  2  2  1  1  4  4  1  1  4  1  4  4  4  1  4  4  4  4  4
4  1  1  1  1  1  1
********  RECORD NUMBER  992 REPLACES RECORD NUMBER  118  ********
 993  EZIDIREC008   1  4  1  1  4  2  1  4  2  1  1  4  2  2  1  1  2  1  1  1  4  4  4  1  1  1  1  1  1  4  1  4  2  1  4  4  2  1  2  1  2  1  4  2  1  4  2  1  1  4  4  1  4  4  4  2  2
1  1  1  1  1  2  2
********  RECORD NUMBER  993 REPLACES RECORD NUMBER  119  ********
 994  EZIDIREC009   1  1  4  2  1  1  2  1  1  4  1  4  1  4  1  1  1  2  1  1  1  4  4  4  1  1  4  1  2  2  2  1  1  2  1  4  2  1  2  1  2  1  1  4  1  4  1  4  4  4  4  1  4  2  1  4  1
4  1  1  1  2  2  2
********  RECORD NUMBER  994 REPLACES RECORD NUMBER  120  ********
 995  EZIDIREC010   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4  4  4  2  2  2  2  1  2  1  4  4  1  1  1  4  2  1  4  4  2  2  1  1  1  1  1  4
4  4  2  2  1  1  1
********  RECORD NUMBER  995 REPLACES RECORD NUMBER  121  ********
 996  EZIDIREC011   1  1  4  2  1  4  2  1  4  4  4  4  2  2  1  4  4  2  2  2  2  2  2  1  4  4  1  1  4  2  2  1  1  1  4  2  1  4  1  4  2  1  4  1  1  2  1  1  4  4  4  2  2  2  1  4  4
4  2  2  1  4  2  2
********  RECORD NUMBER  996 REPLACES RECORD NUMBER  122  ********
 997  EZIDIREC012   2  1  1  4  1  1  4  1  4  4  2  1  4  2  1  1  4  4  2  2  2  1  2  1  2  1  2  2  1  4  4  4  4  2  2  2  1  2  1  1  1  1  4  1  1  1  1  4  4  4  2  2  2  2  1  4  2
1  1  2  2  1  4  2
********  RECORD NUMBER  997 REPLACES RECORD NUMBER  123  ********
 998  EZIDIREC013   1  1  4  1  4  2  1  1  2  1  4  4  2  2  1  1  1  1  1  1  1  2  1  4  4  4  1  2  1  4  4  4  4  2  2  1  4  4  1  1  4  2  1  1  2  1  2  1  4  4  2  2  2  1  1  4  2
1  4  2  1  4  1  1
********  RECORD NUMBER  998 REPLACES RECORD NUMBER  124  ********
 999  EZIDIREC014   1  1  4  1  1  1  2  1  2  1  2  1  1  2  1  1  1  1  1  1  1  4  1  1  1  1  2  1  4  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  2  1  1  4  4  2  2  1  1  4  1
4  1  1  1  1  1  1
********  RECORD NUMBER  999 REPLACES RECORD NUMBER  125  ********
 1000  EZIDIREC015   1  1  4  2  2  2  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4  4  4  2  2  2  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4  1  2  1  1  1  4  2  1  2  1  1  2  1
1  2  2  2  1  2  1
********  RECORD NUMBER  1000 REPLACES RECORD NUMBER  126  ********
 1001  EZIDIREC016   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
1  1  1  1  1  1  1
********  RECORD NUMBER  1001 REPLACES RECORD NUMBER  127  ********
 1002  EZIDIREC017   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
1  1  1  1  1  1  1
********  RECORD NUMBER  1002 REPLACES RECORD NUMBER  128  ********
 1003  EZIDIREC018   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
1  1  1  1  1  1  1
********  RECORD NUMBER  1003 REPLACES RECORD NUMBER  129  ********
 1004  EZIDIREC019   1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
1  1  1  1  1  1  1
********  RECORD NUMBER  1004 REPLACES RECORD NUMBER  130  ********
     *
     * LASMOV - The outermost spatial interval of the evacuation movement zone.
 1005  EZLASMOV001     19
********  RECORD NUMBER  1005 REPLACES RECORD NUMBER  131  ********
     *
     * EFFACY,  KI Ingestion
 1006  EZEFFACY001     0.7
********  RECORD NUMBER  1006 REPLACES RECORD NUMBER  269  ********
     *
     * POPFRAC, KI Ingestion
 1007  EZPOPFRC001     0.
********  RECORD NUMBER  1007 REPLACES RECORD NUMBER  270  ********
     .
******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE   7 USER INPUT ********

USER INPUT PROCESSING SUMMARY - CHANGE CASE   7
NUMBER OF RECORDS CHANGED           =  105
NUMBER OF RECORDS ADDED             =    0
******************************************************************************************************
```

With 1=forwards, 2=rightwards, 3=backwards, and 4=leftwards,
The Evacuation Network For This Scenario Was Defined As Follows:

| IRAD | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 |
| 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 |
| 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 |
| 7 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 4 | 2 | 1 | 4 | 2 | 2 | 1 |
| 8 | 1 | 4 | 1 | 1 | 4 | 2 | 1 | 4 | 2 | 1 | 1 | 4 | 2 | 2 | 1 | 1 |
| 9 | 1 | 1 | 4 | 2 | 1 | 1 | 2 | 1 | 1 | 4 | 1 | 4 | 1 | 4 | 1 | 1 |
| 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 | 1 | 1 | 4 | 2 | 1 | 4 | 2 | 1 | 4 | 4 | 4 | 4 | 2 | 2 | 1 | 4 |
| 12 | 2 | 1 | 1 | 4 | 1 | 1 | 4 | 1 | 4 | 4 | 2 | 1 | 4 | 2 | 1 | 1 |
| 13 | 1 | 1 | 4 | 1 | 4 | 2 | 1 | 1 | 2 | 1 | 4 | 4 | 2 | 2 | 1 | 1 |
| 14 | 1 | 1 | 4 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 |
| 15 | 1 | 1 | 4 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 |
| 17 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| IRAD | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 4 | 4 | 4 | 4 | 2 | 2 | |
| 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | |
| 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 4 | 4 | 2 | |
| 8 | 2 | 1 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 4 | |
| 9 | 1 | 2 | 1 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 4 | 1 | 2 | 2 | 2 | 1 |
| 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 4 |
| 11 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 4 | 4 | 1 | 1 | 4 | 2 | 2 | 1 |
| 12 | 4 | 4 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 4 | 4 | 4 |
| 13 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 4 | 4 | 4 | 1 | 2 | 1 | 4 | 4 | 4 |
| 14 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 2 | 1 | 4 | 1 | 1 | 1 |
| 15 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 2 | 2 | 2 | 1 | 1 | 1 |
| 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| IRAD | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 3 | 2 | 2 | 2 | 1 | 1 | 1 | 4 | 4 | 4 | 2 | 2 | 2 | 1 | 1 | 1 | |
| 4 | 4 | 2 | 2 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 2 | 2 | 1 | 4 | 4 | 2 |
| 5 | 1 | 1 | 1 | 1 | 2 | 1 | 4 | 4 | 2 | 2 | 1 | 4 | 4 | 2 | 2 | 1 |
| 6 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 4 | 2 | 2 | 1 | 2 | 1 | 4 |
| 7 | 1 | 1 | 1 | 1 | 4 | 4 | 2 | 2 | 1 | 1 | 4 | 4 | 1 | 1 | 4 | 1 |
| 8 | 2 | 1 | 4 | 4 | 2 | 1 | 2 | 1 | 2 | 1 | 4 | 2 | 1 | 4 | 2 | 1 |
| 9 | 1 | 2 | 1 | 4 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 4 | 1 | 4 | 1 | 4 |
| 10 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 4 | 4 | 1 | 1 | 1 | 4 | 2 | 1 | 4 |
| 11 | 1 | 1 | 4 | 2 | 1 | 4 | 1 | 4 | 2 | 1 | 4 | 1 | 1 | 2 | 1 | 1 |
| 12 | 4 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 4 |
| 13 | 4 | 2 | 2 | 1 | 4 | 4 | 1 | 1 | 4 | 2 | 1 | 1 | 2 | 1 | 2 | 1 |
| 14 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| 15 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 2 | 1 | 1 |
| 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| IRAD | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | | |
| 4 | 1 | 4 | 4 | 2 | 1 | 1 | 4 | 2 | 1 | 4 | 4 | 4 | 4 | 4 | 1 | 1 |
| 5 | 4 | 4 | 2 | 2 | 1 | 4 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 | 4 | 2 | 2 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7 | 4 | 4 | 4 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | 1 | 4 | 4 | 1 | 4 | 4 | 4 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| 9 | 4 | 4 | 4 | 1 | 4 | 2 | 1 | 4 | 1 | 4 | 1 | 1 | 1 | 2 | 2 | 2 |
| 10 | 4 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 2 | 2 | 1 | 1 | 1 |
| 11 | 4 | 4 | 4 | 2 | 2 | 2 | 1 | 4 | 4 | 4 | 2 | 2 | 1 | 4 | 2 | 2 |
| 12 | 4 | 4 | 2 | 2 | 2 | 2 | 1 | 4 | 2 | 1 | 1 | 2 | 2 | 1 | 4 | 2 |
| 13 | 4 | 4 | 2 | 2 | 2 | 1 | 1 | 4 | 2 | 1 | 4 | 2 | 1 | 4 | 1 | 1 |
| 14 | 1 | 4 | 4 | 2 | 2 | 1 | 1 | 4 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 |
| 15 | 1 | 4 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 1 |
| 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

THE KI MODEL IS IN EFFECT

******** BEGINNING OF CHANGE CASE 8 USER INPUT ********
*
* CSFACT - Cloudshine shielding factor
1008 SECSFACT001 1.
******** RECORD NUMBER 1008 REPLACES RECORD NUMBER 25 ********
1009 SECSFACT002 0.6
******** RECORD NUMBER 1009 REPLACES RECORD NUMBER 26 ********
1010 SECSFACT003 0.5
******** RECORD NUMBER 1010 REPLACES RECORD NUMBER 27 ********
*
* PROTIN - Inhalation protection factor
1011 SEPROTIN001 0.98
******** RECORD NUMBER 1011 REPLACES RECORD NUMBER 28 ********
1012 SEPROTIN002 0.46
******** RECORD NUMBER 1012 REPLACES RECORD NUMBER 29 ********
1013 SEPROTIN003 0.33
******** RECORD NUMBER 1013 REPLACES RECORD NUMBER 30 ********
*
* BRRATE - Breathing rates
1014 SEBRRATE001 2.66E-04

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********  RECORD NUMBER  1014 REPLACES RECORD NUMBER    31  ********
 1015  SEBRRATE002      2.66E-04
********  RECORD NUMBER  1015 REPLACES RECORD NUMBER    32  ********
 1016  SEBRRATE003      2.66E-04
********  RECORD NUMBER  1016 REPLACES RECORD NUMBER    33  ********
      *
      * SKPFAC - skin protection factors
 1017  SESKPFAC001      0.98
********  RECORD NUMBER  1017 REPLACES RECORD NUMBER    34  ********
 1018  SESKPFAC002      0.46
********  RECORD NUMBER  1018 REPLACES RECORD NUMBER    35  ********
 1019  SESKPFAC003      0.33
********  RECORD NUMBER  1019 REPLACES RECORD NUMBER    36  ********
      *
      * GSHFAC - groundshine shielding factors
 1020  SEGSHFAC001      0.5
********  RECORD NUMBER  1020 REPLACES RECORD NUMBER    37  ********
 1021  SEGSHFAC002      0.18
********  RECORD NUMBER  1021 REPLACES RECORD NUMBER    38  ********
 1022  SEGSHFAC003      0.1
********  RECORD NUMBER  1022 REPLACES RECORD NUMBER    39  ********
      *
      * EANAM2 - Name of emergency response cohort
 1023  EZEANAM2001      '30-40 Shadow'
********  RECORD NUMBER  1023 REPLACES RECORD NUMBER    42  ********
      *
      * WTFRAC - weighting fraction applied to results of emergency response cohort
 1024  EZWTFRAC001      0.
********  RECORD NUMBER  1024 REPLACES RECORD NUMBER    44  ********
      *
      * TRAVELPOINT - determines whether boundary or centerpoint of destination is evacuee objective.
 1025  TRAVELPOINT      CENTERPOINT
********  RECORD NUMBER  1025 REPLACES RECORD NUMBER    46  ********
      *
      * ESPEED - evacuee travel speed during the three phases of evacuation
 1026  EZESPEED001      6.706
********  RECORD NUMBER  1026 REPLACES RECORD NUMBER    47  ********
 1027  EZESPEED002      2.235
********  RECORD NUMBER  1027 REPLACES RECORD NUMBER    48  ********
 1028  EZESPEED003      8.941
********  RECORD NUMBER  1028 REPLACES RECORD NUMBER    49  ********
      *
      * ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
 1029  EZESPMUL001      0.7
********  RECORD NUMBER  1029 REPLACES RECORD NUMBER    50  ********
 1030  EZESPMUL002      0.7
********  RECORD NUMBER  1030 REPLACES RECORD NUMBER    51  ********
 1031  EZESPMUL003      0.7
********  RECORD NUMBER  1031 REPLACES RECORD NUMBER    52  ********
      *
      * REFPNT - Defines reference time point for actions in evacuation ans sheltering zone.
 1032  EZREFPNT001      ALARM
********  RECORD NUMBER  1032 REPLACES RECORD NUMBER    53  ********
      *
      * DURBEG - duration of initial phase (beginning) of evacuation, in seconds.
 1033  EZDURBEG001      3600.
********  RECORD NUMBER  1033 REPLACES RECORD NUMBER    54  ********
      *
      * DURMID - duration of middle phase of evacuation, in seconds.
 1034  EZDURMID001      21600.
********  RECORD NUMBER  1034 REPLACES RECORD NUMBER    55  ********
      *
      * NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
 1035  EZNUMEVA001      18
********  RECORD NUMBER  1035 REPLACES RECORD NUMBER    56  ********
      *
      * DLTSHL - delay from reference time point to when individual takes shelter.  DLTEVA - delay elapsing between beginning of shelter period to when individuals begin evacuation.
 1036  EZDLTSHL001      86400.
********  RECORD NUMBER  1036 REPLACES RECORD NUMBER    57  ********
 1037  EZDLTSHL002      86400.
********  RECORD NUMBER  1037 REPLACES RECORD NUMBER    58  ********
 1038  EZDLTSHL003      86400.
********  RECORD NUMBER  1038 REPLACES RECORD NUMBER    59  ********
 1039  EZDLTSHL004      86400.
********  RECORD NUMBER  1039 REPLACES RECORD NUMBER    60  ********
 1040  EZDLTSHL005      86400.
********  RECORD NUMBER  1040 REPLACES RECORD NUMBER    61  ********
 1041  EZDLTSHL006      86400.
********  RECORD NUMBER  1041 REPLACES RECORD NUMBER    62  ********
 1042  EZDLTSHL007      86400.
********  RECORD NUMBER  1042 REPLACES RECORD NUMBER    63  ********
 1043  EZDLTSHL008      86400.
********  RECORD NUMBER  1043 REPLACES RECORD NUMBER    64  ********
 1044  EZDLTSHL009      86400.
********  RECORD NUMBER  1044 REPLACES RECORD NUMBER    65  ********
 1045  EZDLTSHL010      86400.
********  RECORD NUMBER  1045 REPLACES RECORD NUMBER    66  ********
 1046  EZDLTSHL011      86400.
********  RECORD NUMBER  1046 REPLACES RECORD NUMBER    67  ********
 1047  EZDLTSHL012      86400.
********  RECORD NUMBER  1047 REPLACES RECORD NUMBER    68  ********
 1048  EZDLTSHL013      86400.
********  RECORD NUMBER  1048 REPLACES RECORD NUMBER    69  ********
 1049  EZDLTSHL014      86400.
********  RECORD NUMBER  1049 REPLACES RECORD NUMBER    70  ********
 1050  EZDLTSHL015      86400.
********  RECORD NUMBER  1050 REPLACES RECORD NUMBER    71  ********
 1051  EZDLTSHL016      86400.
********  RECORD NUMBER  1051 REPLACES RECORD NUMBER    72  ********
 1052  EZDLTSHL017      86400.
********  RECORD NUMBER  1052 REPLACES RECORD NUMBER    73  ********
 1053  EZDLTSHL018      86400.
********  RECORD NUMBER  1053 REPLACES RECORD NUMBER    74  ********
      *
      * DLTEVA -Delay time to begin evacuation
 1054  EZDLTEVA001      28800.
********  RECORD NUMBER  1054 REPLACES RECORD NUMBER    75  ********
 1055  EZDLTEVA002      28800.
********  RECORD NUMBER  1055 REPLACES RECORD NUMBER    76  ********
 1056  EZDLTEVA003      28800.
********  RECORD NUMBER  1056 REPLACES RECORD NUMBER    77  ********
 1057  EZDLTEVA004      28800.
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********   RECORD NUMBER  1057 REPLACES RECORD NUMBER    78   ********
 1058  EZDLTEVA005      28800.
********   RECORD NUMBER  1058 REPLACES RECORD NUMBER    79   ********
 1059  EZDLTEVA006      28800.
********   RECORD NUMBER  1059 REPLACES RECORD NUMBER    80   ********
 1060  EZDLTEVA007      28800.
********   RECORD NUMBER  1060 REPLACES RECORD NUMBER    81   ********
 1061  EZDLTEVA008      28800.
********   RECORD NUMBER  1061 REPLACES RECORD NUMBER    82   ********
 1062  EZDLTEVA009      28800.
********   RECORD NUMBER  1062 REPLACES RECORD NUMBER    83   ********
 1063  EZDLTEVA010      28800.
********   RECORD NUMBER  1063 REPLACES RECORD NUMBER    84   ********
 1064  EZDLTEVA011      28800.
********   RECORD NUMBER  1064 REPLACES RECORD NUMBER    85   ********
 1065  EZDLTEVA012      28800.
********   RECORD NUMBER  1065 REPLACES RECORD NUMBER    86   ********
 1066  EZDLTEVA013      28800.
********   RECORD NUMBER  1066 REPLACES RECORD NUMBER    87   ********
 1067  EZDLTEVA014      28800.
********   RECORD NUMBER  1067 REPLACES RECORD NUMBER    88   ********
 1068  EZDLTEVA015      28800.
********   RECORD NUMBER  1068 REPLACES RECORD NUMBER    89   ********
 1069  EZDLTEVA016      28800.
********   RECORD NUMBER  1069 REPLACES RECORD NUMBER    90   ********
 1070  EZDLTEVA017      28800.
********   RECORD NUMBER  1070 REPLACES RECORD NUMBER    91   ********
 1071  EZDLTEVA018      28800.
********   RECORD NUMBER  1071 REPLACES RECORD NUMBER    92   ********
      *
      * ESPGRD_NET - Evacuation speed multiplier for network evacuation
 1072  EZESPGRD001     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1072 REPLACES RECORD NUMBER    93   ********
 1073  EZESPGRD002     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1073 REPLACES RECORD NUMBER    94   ********
 1074  EZESPGRD003     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1074 REPLACES RECORD NUMBER    95   ********
 1075  EZESPGRD004     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1075 REPLACES RECORD NUMBER    96   ********
 1076  EZESPGRD005     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1076 REPLACES RECORD NUMBER    97   ********
 1077  EZESPGRD006     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1077 REPLACES RECORD NUMBER    98   ********
 1078  EZESPGRD007     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1078 REPLACES RECORD NUMBER    99   ********
 1079  EZESPGRD008     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1079 REPLACES RECORD NUMBER   100   ********
 1080  EZESPGRD009     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1080 REPLACES RECORD NUMBER   101   ********
 1081  EZESPGRD010     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1081 REPLACES RECORD NUMBER   102   ********
 1082  EZESPGRD011     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1082 REPLACES RECORD NUMBER   103   ********
 1083  EZESPGRD012     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1083 REPLACES RECORD NUMBER   104   ********
 1084  EZESPGRD013     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   0.75   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1084 REPLACES RECORD NUMBER   105   ********
 1085  EZESPGRD014     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.5      1.5   1.5   1.5   1.5   1.5   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   0.75
1.   1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1085 REPLACES RECORD NUMBER   106   ********
 1086  EZESPGRD015     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.5   1.5   1.5   1.   1.   1.   1.   1.   1.5   1.5   1.5   1.5   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   0.75
1.   1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1086 REPLACES RECORD NUMBER   107   ********
 1087  EZESPGRD016     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1087 REPLACES RECORD NUMBER   108   ********
 1088  EZESPGRD017     0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1088 REPLACES RECORD NUMBER   109   ********
 1089  EZESPGRD018     1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   1.   1.
********   RECORD NUMBER  1089 REPLACES RECORD NUMBER   110   ********
 1090  EZESPGRD019     1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   1.   1.
********   RECORD NUMBER  1090 REPLACES RECORD NUMBER   111   ********
      *
      * IDIREC - destination direction of every spatial element in the evacuation and sheltering region
 1091  EZIDIREC001     1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1
1   1   1   1   1   1   1
********   RECORD NUMBER  1091 REPLACES RECORD NUMBER   112   ********
 1092  EZIDIREC002     1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1
1   1   1   1   1   1   1
********   RECORD NUMBER  1092 REPLACES RECORD NUMBER   113   ********
 1093  EZIDIREC003     1   1   1   1   1   1   1   1   1   1   1   1   1   2   1   1   1   1   1   1   1   1   1   1   2   1   4   4   4   4   2   2   2   2   2   1   1   1   4   4   4   4   2   2   2   1   1   1   1   1   1   1   1   1   1   1   1
1   1   1   1   4   1   1
********   RECORD NUMBER  1093 REPLACES RECORD NUMBER   114   ********
 1094  EZIDIREC004     1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   4   2   2   1   1   1   1   4   4   4   2   2   1   4   4   2   1   4   4   2   1   1   4   2   1
4   4   4   4   4   1   1
********   RECORD NUMBER  1094 REPLACES RECORD NUMBER   115   ********
 1095  EZIDIREC005     1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   4   1   1   1   1   1   1   1   1   1   2   2   2   2   2   2   1   1   1   1   1   2   1   4   4   2   2   1   4   4   2   2   1   4   4   2   2   1   4   4   2   1
1   1   1   1   1   1   1
********   RECORD NUMBER  1095 REPLACES RECORD NUMBER   116   ********
 1096  EZIDIREC006     1   1   1   1   1   1   1   1   1   1   1   1   1   1   4   1   1   1   1   1   1   1   1   1   1   1   2   2   2   2   2   2   2   2   1   1   1   1   2   1   1   4   2   2   1   2   1   4   4   2   2   1   4   4   4   4   4
4   4   1   1   1   1   1
********   RECORD NUMBER  1096 REPLACES RECORD NUMBER   117   ********
 1097  EZIDIREC007     2   2   1   2   2   1   2   2   1   4   2   1   4   2   2   1   1   1   1   1   1   1   1   1   1   1   2   2   1   4   4   2   1   1   1   1   4   4   2   2   1   1   4   4   1   1   4   1   4   4   4   1   4   4   4   4   4
4   1   1   1   1   1   1
********   RECORD NUMBER  1097 REPLACES RECORD NUMBER   118   ********
 1098  EZIDIREC008     1   4   1   1   4   2   1   4   2   1   1   4   2   2   1   1   2   1   1   1   4   4   4   1   1   1   1   1   1   4   1   4   2   1   4   4   2   1   2   1   2   1   4   2   1   4   2   1   1   4   4   1   4   4   4   2   2
```

```
1     1     1     1     1     2     2
********  RECORD NUMBER  1098 REPLACES RECORD NUMBER   119  ********
 1099  EZIDIREC009     1     1     4     2     1     1     2     1     1     4     1     4     1     4     1     1     1     2     1     1     1     4     4     4     1     1     4     1     2     2     2     1     1     2     1     4     2     1     2     1     2     1     1     4     1     4     1     4     4     4     4     1     4     2     1     4     1
4     1     1     1     2     2     2
********  RECORD NUMBER  1099 REPLACES RECORD NUMBER   120  ********
 1100  EZIDIREC010     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     4     4     4     2     2     2     2     1     2     1     4     4     1     1     1     4     2     1     4     4     2     2     1     1     1     1     1     4
4     4     2     2     1     1     1
********  RECORD NUMBER  1100 REPLACES RECORD NUMBER   121  ********
 1101  EZIDIREC011     1     1     4     2     1     4     2     1     4     4     4     4     2     2     1     4     4     2     2     2     2     2     2     1     4     4     1     1     4     2     2     1     1     1     4     2     1     4     1     4     2     1     4     1     1     2     1     1     4     4     4     2     2     2     1     4     4
4     2     2     1     4     2     2
********  RECORD NUMBER  1101 REPLACES RECORD NUMBER   122  ********
 1102  EZIDIREC012     2     1     1     4     1     1     4     1     4     4     2     1     4     2     1     1     4     4     2     2     2     1     2     1     2     1     2     2     1     4     4     4     4     2     2     2     1     2     1     1     1     1     4     1     1     1     1     4     4     4     2     2     2     2     1     4     2
1     1     2     2     1     4     2
********  RECORD NUMBER  1102 REPLACES RECORD NUMBER   123  ********
 1103  EZIDIREC013     1     1     4     1     4     2     1     1     2     1     4     4     2     2     1     1     1     1     1     1     1     2     1     4     4     4     1     2     1     4     4     4     4     2     2     1     4     4     1     1     4     2     1     1     2     1     2     1     4     4     2     2     2     1     1     4     2
1     4     2     1     4     1     1
********  RECORD NUMBER  1103 REPLACES RECORD NUMBER   124  ********
 1104  EZIDIREC014     1     1     4     1     1     1     2     1     2     1     2     1     1     2     1     1     1     1     1     1     4     1     1     1     1     2     1     4     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     2     1     1     4     4     2     2     1     1     4     1
4     1     1     1     1     1     1
********  RECORD NUMBER  1104 REPLACES RECORD NUMBER   125  ********
 1105  EZIDIREC015     1     1     4     2     2     2     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     4     4     4     2     2     2     1     1     1     1     1     1     1     1     1     1     1     1     1     1     4     1     2     1     1     1     4     2     1     2     1     1     2     1
1     2     2     2     1     2     1
********  RECORD NUMBER  1105 REPLACES RECORD NUMBER   126  ********
 1106  EZIDIREC016     1     1     1     1     1     1     1     1     1     1     1     1     1     1     4     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1
1     1     1     1     1     1     1
********  RECORD NUMBER  1106 REPLACES RECORD NUMBER   127  ********
 1107  EZIDIREC017     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1
1     1     1     1     1     1     1
********  RECORD NUMBER  1107 REPLACES RECORD NUMBER   128  ********
 1108  EZIDIREC018     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1
1     1     1     1     1     1     1
********  RECORD NUMBER  1108 REPLACES RECORD NUMBER   129  ********
 1109  EZIDIREC019     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1     1
1     1     1     1     1     1     1
********  RECORD NUMBER  1109 REPLACES RECORD NUMBER   130  ********
     *
     * LASMOV - The outermost spatial interval of the evacuation movement zone.
 1110  EZLASMOV001     19
********  RECORD NUMBER  1110 REPLACES RECORD NUMBER   131  ********
     *
     * EFFACY,  KI Ingestion
 1111  EZEFFACY001      0.7
********  RECORD NUMBER  1111 REPLACES RECORD NUMBER   269  ********
     *
     * POPFRAC, KI Ingestion
 1112  EZPOPFRC001      0.
********  RECORD NUMBER  1112 REPLACES RECORD NUMBER   270  ********
     .
******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE   8 USER INPUT ********

USER INPUT PROCESSING SUMMARY - CHANGE CASE   8
NUMBER OF RECORDS CHANGED            =  105
NUMBER OF RECORDS ADDED              =    0
*****************************************************************************************************************
```

With 1=forwards, 2=rightwards, 3=backwards, and 4=leftwards,
The Evacuation Network For This Scenario Was Defined As Follows:

```
IRAD     1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16
  1      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3      1  1  1  1  1  1  1  1  1  1  1  1  1  2  1  1
  4      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  5      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4
  6      1  1  1  1  1  1  1  1  1  1  1  1  1  1  4  1
  7      2  2  1  2  2  1  2  2  1  4  2  1  4  2  2  1
  8      1  4  1  1  4  2  1  4  2  1  1  4  2  2  1  1
  9      1  1  4  2  1  1  2  1  1  4  1  4  1  4  1  1
 10      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 11      1  1  4  2  1  4  2  1  4  4  4  4  2  2  1  4
 12      2  1  1  4  1  1  4  1  4  4  2  1  4  2  1  1
 13      1  1  4  1  4  2  1  1  2  1  4  4  2  2  1  1
 14      1  1  4  1  1  1  2  1  2  1  2  1  1  2  1  1
 15      1  1  4  2  2  2  1  1  1  1  1  1  1  1  1  1
 16      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  4
 17      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD    17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
  1      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3      1  1  1  1  1  1  1  1  2  1  4  4  4  4  2  2
  4      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  5      1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  1
  6      1  1  1  1  1  1  1  1  1  1  2  2  2  2  2  2
  7      1  1  1  1  1  1  1  1  1  1  2  2  1  4  4  2
  8      2  1  1  1  4  4  4  1  1  1  1  1  1  4  1  4
  9      1  2  1  1  1  4  4  4  1  1  4  1  2  2  2  1
 10      1  1  1  1  1  1  1  1  1  1  1  1  1  4  4  4
 11      4  2  2  2  2  2  2  1  4  4  1  1  4  2  2  1
 12      4  4  2  2  2  1  2  1  2  1  2  2  1  4  4  4
 13      1  1  1  1  1  2  1  4  4  4  1  2  1  4  4  4
 14      1  1  1  1  1  4  1  1  1  1  2  1  4  1  1  1
 15      1  1  1  1  1  1  1  4  4  4  2  2  2  1  1  1
 16      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD    33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
  1      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2      1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3      2  2  2  1  1  1  4  4  4  4  2  2  2  1  1  1
  4      4  2  2  1  1  1  1  4  4  4  2  2  1  4  4  2
  5      1  1  1  1  2  1  4  4  2  2  1  4  4  2  2  1
  6      2  2  1  1  1  1  2  1  1  4  2  2  1  2  1  4
  7      1  1  1  1  4  4  2  2  1  1  4  4  1  1  4  1
```

```
  8     2  1  4  4  2  1  2  1  2  1  4  2  1  4  2  1
  9     1  2  1  4  2  1  2  1  2  1  1  4  1  4  1  4
 10     2  2  2  2  1  2  1  4  4  1  1  1  4  2  1  4
 11     1  1  4  2  1  4  1  4  2  1  4  1  1  2  1  1
 12     4  2  2  2  1  2  1  1  1  1  4  1  1  1  1  4
 13     4  2  2  1  4  4  1  1  4  2  1  1  2  1  2  1
 14     1  1  1  1  1  1  1  1  1  1  1  1  1  1  2  1
 15     1  1  1  1  1  1  1  1  1  1  1  4  1  2  1  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD    49  50  51  52  53  54  55  56  57  58  59  60  61  62  63  64
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     1  1  1  1  1  1  1  1  1  1  1  1  1  4  1  1
  4     1  4  4  2  1  1  4  2  1  4  4  4  4  4  1  1
  5     4  4  2  2  1  4  4  2  1  1  1  1  1  1  1  1
  6     4  2  2  1  4  4  4  4  4  4  4  1  1  1  1  1
  7     4  4  4  1  4  4  4  4  4  4  1  1  1  1  1  1
  8     1  4  4  1  4  4  4  2  2  1  1  1  1  1  2  2
  9     4  4  4  1  4  2  1  4  1  4  1  1  1  2  2  2
 10     4  2  2  1  1  1  1  1  4  4  4  2  2  1  1  1
 11     4  4  4  2  2  2  1  4  4  4  2  2  1  4  2  2
 12     4  4  2  2  2  2  1  4  2  1  1  2  2  1  4  2
 13     4  4  2  2  2  1  1  4  2  1  4  2  1  4  1  1
 14     1  4  4  2  2  1  1  4  1  4  1  1  1  1  1  1
 15     1  4  2  1  2  1  1  2  1  1  2  2  2  1  2  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
THE KI MODEL IS IN EFFECT


******** BEGINNING OF CHANGE CASE   9 USER INPUT ********
      *
      * CSFACT - Cloudshine shielding factor
 1113  SECSFACT001      1.
********   RECORD NUMBER  1113 REPLACES RECORD NUMBER    25   ********
 1114  SECSFACT002      0.6
********   RECORD NUMBER  1114 REPLACES RECORD NUMBER    26   ********
 1115  SECSFACT003      0.5
********   RECORD NUMBER  1115 REPLACES RECORD NUMBER    27   ********
      *
      * PROTIN - Inhalation protection factor
 1116  SEPROTIN001      0.98
********   RECORD NUMBER  1116 REPLACES RECORD NUMBER    28   ********
 1117  SEPROTIN002      0.46
********   RECORD NUMBER  1117 REPLACES RECORD NUMBER    29   ********
 1118  SEPROTIN003      0.33
********   RECORD NUMBER  1118 REPLACES RECORD NUMBER    30   ********
      *
      * BRRATE - Breathing rates
 1119  SEBRRATE001      2.66E-04
********   RECORD NUMBER  1119 REPLACES RECORD NUMBER    31   ********
 1120  SEBRRATE002      2.66E-04
********   RECORD NUMBER  1120 REPLACES RECORD NUMBER    32   ********
 1121  SEBRRATE003      2.66E-04
********   RECORD NUMBER  1121 REPLACES RECORD NUMBER    33   ********
      *
      * SKPFAC - skin protection factors
 1122  SESKPFAC001      0.98
********   RECORD NUMBER  1122 REPLACES RECORD NUMBER    34   ********
 1123  SESKPFAC002      0.46
********   RECORD NUMBER  1123 REPLACES RECORD NUMBER    35   ********
 1124  SESKPFAC003      0.33
********   RECORD NUMBER  1124 REPLACES RECORD NUMBER    36   ********
      *
      * GSHFAC - groundshine shielding factors
 1125  SEGSHFAC001      0.5
********   RECORD NUMBER  1125 REPLACES RECORD NUMBER    37   ********
 1126  SEGSHFAC002      0.18
********   RECORD NUMBER  1126 REPLACES RECORD NUMBER    38   ********
 1127  SEGSHFAC003      0.1
********   RECORD NUMBER  1127 REPLACES RECORD NUMBER    39   ********
      *
      * EANAM2 - Name of emergency response cohort
 1128  EZEANAM2001      '10-30 Tail'
********   RECORD NUMBER  1128 REPLACES RECORD NUMBER    42   ********
      *
      * WTFRAC - weighting fraction applied to results of emergency response cohort
 1129  EZWTFRAC001      0.
********   RECORD NUMBER  1129 REPLACES RECORD NUMBER    44   ********
      *
      * TRAVELPOINT - determines whether boundary or centerpoint of destination is evacuee objective.
 1130  TRAVELPOINT      CENTERPOINT
********   RECORD NUMBER  1130 REPLACES RECORD NUMBER    46   ********
      *
      * ESPEED - evacuee travel speed during the three phases of evacuation
 1131  EZESPEED001      0.447
********   RECORD NUMBER  1131 REPLACES RECORD NUMBER    47   ********
 1132  EZESPEED002      4.47
********   RECORD NUMBER  1132 REPLACES RECORD NUMBER    48   ********
 1133  EZESPEED003      8.941
********   RECORD NUMBER  1133 REPLACES RECORD NUMBER    49   ********
      *
      * ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
 1134  EZESPMUL001      0.7
********   RECORD NUMBER  1134 REPLACES RECORD NUMBER    50   ********
 1135  EZESPMUL002      0.7
********   RECORD NUMBER  1135 REPLACES RECORD NUMBER    51   ********
 1136  EZESPMUL003      0.7
********   RECORD NUMBER  1136 REPLACES RECORD NUMBER    52   ********
      *
      * REFPNT - Defines reference time point for actions in evacuation ans sheltering zone.
 1137  EZREFPNT001      ALARM
********   RECORD NUMBER  1137 REPLACES RECORD NUMBER    53   ********
      *
      * DURBEG - duration of initial phase (beginning) of evacuation, in seconds.
 1138  EZDURBEG001      36000.
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********   RECORD NUMBER  1138 REPLACES RECORD NUMBER    54   ********
      *
      * DURMID - duration of middle phase of evacuation, in seconds.
 1139  EZDURMID001      7200.
********   RECORD NUMBER  1139 REPLACES RECORD NUMBER    55   ********
      *
      * NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
 1140  EZNUMEVA001      18
********   RECORD NUMBER  1140 REPLACES RECORD NUMBER    56   ********
      *
      * DLTSHL - delay from reference time point to when individual takes shelter.  DLTEVA - delay elapsing between beginning of shelter period to when individuals begin evacuation.
 1141  EZDLTSHL001      86400.
********   RECORD NUMBER  1141 REPLACES RECORD NUMBER    57   ********
 1142  EZDLTSHL002      86400.
********   RECORD NUMBER  1142 REPLACES RECORD NUMBER    58   ********
 1143  EZDLTSHL003      86400.
********   RECORD NUMBER  1143 REPLACES RECORD NUMBER    59   ********
 1144  EZDLTSHL004      86400.
********   RECORD NUMBER  1144 REPLACES RECORD NUMBER    60   ********
 1145  EZDLTSHL005      86400.
********   RECORD NUMBER  1145 REPLACES RECORD NUMBER    61   ********
 1146  EZDLTSHL006      86400.
********   RECORD NUMBER  1146 REPLACES RECORD NUMBER    62   ********
 1147  EZDLTSHL007      86400.
********   RECORD NUMBER  1147 REPLACES RECORD NUMBER    63   ********
 1148  EZDLTSHL008      86400.
********   RECORD NUMBER  1148 REPLACES RECORD NUMBER    64   ********
 1149  EZDLTSHL009      86400.
********   RECORD NUMBER  1149 REPLACES RECORD NUMBER    65   ********
 1150  EZDLTSHL010      86400.
********   RECORD NUMBER  1150 REPLACES RECORD NUMBER    66   ********
 1151  EZDLTSHL011      86400.
********   RECORD NUMBER  1151 REPLACES RECORD NUMBER    67   ********
 1152  EZDLTSHL012      86400.
********   RECORD NUMBER  1152 REPLACES RECORD NUMBER    68   ********
 1153  EZDLTSHL013      86400.
********   RECORD NUMBER  1153 REPLACES RECORD NUMBER    69   ********
 1154  EZDLTSHL014      86400.
********   RECORD NUMBER  1154 REPLACES RECORD NUMBER    70   ********
 1155  EZDLTSHL015      86400.
********   RECORD NUMBER  1155 REPLACES RECORD NUMBER    71   ********
 1156  EZDLTSHL016      86400.
********   RECORD NUMBER  1156 REPLACES RECORD NUMBER    72   ********
 1157  EZDLTSHL017      86400.
********   RECORD NUMBER  1157 REPLACES RECORD NUMBER    73   ********
 1158  EZDLTSHL018      86400.
********   RECORD NUMBER  1158 REPLACES RECORD NUMBER    74   ********
      *
      * DLTEVA -Delay time to begin evacuation
 1159  EZDLTEVA001      57600.
********   RECORD NUMBER  1159 REPLACES RECORD NUMBER    75   ********
 1160  EZDLTEVA002      57600.
********   RECORD NUMBER  1160 REPLACES RECORD NUMBER    76   ********
 1161  EZDLTEVA003      57600.
********   RECORD NUMBER  1161 REPLACES RECORD NUMBER    77   ********
 1162  EZDLTEVA004      57600.
********   RECORD NUMBER  1162 REPLACES RECORD NUMBER    78   ********
 1163  EZDLTEVA005      57600.
********   RECORD NUMBER  1163 REPLACES RECORD NUMBER    79   ********
 1164  EZDLTEVA006      57600.
********   RECORD NUMBER  1164 REPLACES RECORD NUMBER    80   ********
 1165  EZDLTEVA007      57600.
********   RECORD NUMBER  1165 REPLACES RECORD NUMBER    81   ********
 1166  EZDLTEVA008      57600.
********   RECORD NUMBER  1166 REPLACES RECORD NUMBER    82   ********
 1167  EZDLTEVA009      57600.
********   RECORD NUMBER  1167 REPLACES RECORD NUMBER    83   ********
 1168  EZDLTEVA010      57600.
********   RECORD NUMBER  1168 REPLACES RECORD NUMBER    84   ********
 1169  EZDLTEVA011      57600.
********   RECORD NUMBER  1169 REPLACES RECORD NUMBER    85   ********
 1170  EZDLTEVA012      57600.
********   RECORD NUMBER  1170 REPLACES RECORD NUMBER    86   ********
 1171  EZDLTEVA013      57600.
********   RECORD NUMBER  1171 REPLACES RECORD NUMBER    87   ********
 1172  EZDLTEVA014      57600.
********   RECORD NUMBER  1172 REPLACES RECORD NUMBER    88   ********
 1173  EZDLTEVA015      57600.
********   RECORD NUMBER  1173 REPLACES RECORD NUMBER    89   ********
 1174  EZDLTEVA016      57600.
********   RECORD NUMBER  1174 REPLACES RECORD NUMBER    90   ********
 1175  EZDLTEVA017      57600.
********   RECORD NUMBER  1175 REPLACES RECORD NUMBER    91   ********
 1176  EZDLTEVA018      57600.
********   RECORD NUMBER  1176 REPLACES RECORD NUMBER    92   ********
      *
      * ESPGRD_NET - Evacuation speed multiplier for network evacuation
 1177  EZESPGRD001      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER  1177 REPLACES RECORD NUMBER    93   ********
 1178  EZESPGRD002      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER  1178 REPLACES RECORD NUMBER    94   ********
 1179  EZESPGRD003      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER  1179 REPLACES RECORD NUMBER    95   ********
 1180  EZESPGRD004      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER  1180 REPLACES RECORD NUMBER    96   ********
 1181  EZESPGRD005      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER  1181 REPLACES RECORD NUMBER    97   ********
 1182  EZESPGRD006      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER  1182 REPLACES RECORD NUMBER    98   ********
 1183  EZESPGRD007      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER  1183 REPLACES RECORD NUMBER    99   ********
 1184  EZESPGRD008      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.    1.    1.    1.    0.75    0.75    0.75
********   RECORD NUMBER  1184 REPLACES RECORD NUMBER   100   ********
 1185  EZESPGRD009      0.75    0.75    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.
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1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1185 REPLACES RECORD NUMBER   101   ********
 1186  EZESPGRD010    0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1186 REPLACES RECORD NUMBER   102   ********
 1187  EZESPGRD011    0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1187 REPLACES RECORD NUMBER   103   ********
 1188  EZESPGRD012    0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1188 REPLACES RECORD NUMBER   104   ********
 1189  EZESPGRD013    0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   0.75   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1189 REPLACES RECORD NUMBER   105   ********
 1190  EZESPGRD014    0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.5   1.5   1.5   1.5   1.5   1.5   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   0.75
1.   1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1190 REPLACES RECORD NUMBER   106   ********
 1191  EZESPGRD015    0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.5   1.5   1.5   1.   1.   1.   1.   1.   1.5   1.5   1.5   1.5   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   0.75
1.   1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1191 REPLACES RECORD NUMBER   107   ********
 1192  EZESPGRD016    0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1192 REPLACES RECORD NUMBER   108   ********
 1193  EZESPGRD017    0.75   0.75   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   0.75   0.75   0.75
********   RECORD NUMBER  1193 REPLACES RECORD NUMBER   109   ********
 1194  EZESPGRD018    1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   1.   1.
********   RECORD NUMBER  1194 REPLACES RECORD NUMBER   110   ********
 1195  EZESPGRD019    1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.   1.
1.   1.   1.   1.   1.   1.   1.
********   RECORD NUMBER  1195 REPLACES RECORD NUMBER   111   ********
      *
      * IDIREC - destination direction of every spatial element in the evacuation and sheltering region
 1196  EZIDIREC001    1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1
1   1   1   1   1   1   1
********   RECORD NUMBER  1196 REPLACES RECORD NUMBER   112   ********
 1197  EZIDIREC002    1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1
1   1   1   1   1   1   1
********   RECORD NUMBER  1197 REPLACES RECORD NUMBER   113   ********
 1198  EZIDIREC003    1   1   1   1   1   1   1   1   1   1   1   1   1   2   1   1   1   1   1   1   1   1   1   1   2   1   4   4   4   4   2   2   2   2   2   1   1   1   4   4   4   4   2   2   2   1   1   1   1   1   1   1   1   1   1   1   1
1   1   1   1   4   1   1
********   RECORD NUMBER  1198 REPLACES RECORD NUMBER   114   ********
 1199  EZIDIREC004    1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   4   2   2   1   1   1   1   4   4   4   2   2   1   4   4   2   1   4   4   2   1   1   4   2   1
4   4   4   4   4   1   1
********   RECORD NUMBER  1199 REPLACES RECORD NUMBER   115   ********
 1200  EZIDIREC005    1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   4   1   1   1   1   1   1   1   1   1   2   2   2   2   2   2   1   1   1   1   1   2   1   4   4   2   2   1   4   4   2   2   1   4   4   2   2   1   4   4   2   1
1   1   1   1   1   1   1
********   RECORD NUMBER  1200 REPLACES RECORD NUMBER   116   ********
 1201  EZIDIREC006    1   1   1   1   1   1   1   1   1   1   1   1   1   1   4   1   1   1   1   1   1   1   1   1   1   1   2   2   2   2   2   2   2   2   1   1   1   1   2   1   1   4   2   2   1   2   1   4   4   2   2   1   4   4   4   4   4
4   4   1   1   1   1   1
********   RECORD NUMBER  1201 REPLACES RECORD NUMBER   117   ********
 1202  EZIDIREC007    2   2   1   2   2   1   2   2   1   4   2   1   4   2   2   1   1   1   1   1   1   1   1   1   1   1   2   2   1   4   4   2   1   1   1   1   4   4   2   2   1   1   4   4   1   1   4   1   4   4   4   1   4   4   4   4   4
4   1   1   1   1   1   1
********   RECORD NUMBER  1202 REPLACES RECORD NUMBER   118   ********
 1203  EZIDIREC008    1   4   1   1   4   2   1   4   2   1   1   4   2   2   1   1   2   1   1   1   4   4   4   1   1   1   1   1   1   4   1   4   2   1   4   4   2   1   2   1   2   1   4   2   1   4   2   1   1   4   4   1   4   4   4   2   2
1   1   1   1   1   2   2
********   RECORD NUMBER  1203 REPLACES RECORD NUMBER   119   ********
 1204  EZIDIREC009    1   1   4   2   1   1   2   1   1   4   1   4   1   4   1   1   1   2   1   1   1   4   4   4   1   1   4   1   2   2   2   1   1   2   1   4   2   1   2   1   2   1   1   4   1   4   1   4   4   4   4   1   4   2   1   4   1
4   1   1   1   2   2   2
********   RECORD NUMBER  1204 REPLACES RECORD NUMBER   120   ********
 1205  EZIDIREC010    1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   4   4   4   2   2   2   2   1   2   1   4   4   1   1   1   4   2   1   4   4   2   2   1   1   1   1   1   4
4   4   2   2   1   1   1
********   RECORD NUMBER  1205 REPLACES RECORD NUMBER   121   ********
 1206  EZIDIREC011    1   1   4   2   1   4   2   1   4   4   4   4   2   2   1   4   4   2   2   2   2   2   2   1   4   4   1   1   4   2   2   1   1   1   4   2   1   4   1   4   2   1   4   1   1   2   1   1   4   4   4   2   2   2   1   4   4
4   2   2   1   4   2   2
********   RECORD NUMBER  1206 REPLACES RECORD NUMBER   122   ********
 1207  EZIDIREC012    2   1   1   4   1   1   4   1   4   4   2   1   4   2   1   1   4   4   2   2   2   1   2   1   2   1   2   2   1   4   4   4   4   2   2   2   1   2   1   1   1   1   4   1   1   1   1   4   4   4   2   2   2   2   1   4   2
1   1   2   2   1   4   2
********   RECORD NUMBER  1207 REPLACES RECORD NUMBER   123   ********
 1208  EZIDIREC013    1   1   4   1   4   2   1   1   2   1   4   4   2   2   1   1   1   1   1   1   1   2   1   4   4   4   1   2   1   4   4   4   4   2   2   1   4   4   1   1   4   2   1   1   2   1   2   1   4   4   2   2   2   1   1   4   2
1   4   2   1   4   1   1
********   RECORD NUMBER  1208 REPLACES RECORD NUMBER   124   ********
 1209  EZIDIREC014    1   1   4   1   1   1   2   1   2   1   2   1   1   2   1   1   1   1   1   1   1   4   1   1   1   1   2   1   4   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   2   1   1   4   4   2   2   1   1   4   1
4   1   1   1   1   1   1
********   RECORD NUMBER  1209 REPLACES RECORD NUMBER   125   ********
 1210  EZIDIREC015    1   1   4   2   2   2   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   4   4   4   2   2   2   1   1   1   1   1   1   1   1   1   1   1   1   1   1   4   1   2   1   1   1   4   2   1   2   1   1   2   1
1   2   2   2   1   2   1
********   RECORD NUMBER  1210 REPLACES RECORD NUMBER   126   ********
 1211  EZIDIREC016    1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   4   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1
1   1   1   1   1   1   1
********   RECORD NUMBER  1211 REPLACES RECORD NUMBER   127   ********
 1212  EZIDIREC017    1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1
1   1   1   1   1   1   1
********   RECORD NUMBER  1212 REPLACES RECORD NUMBER   128   ********
 1213  EZIDIREC018    1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1
1   1   1   1   1   1   1
********   RECORD NUMBER  1213 REPLACES RECORD NUMBER   129   ********
 1214  EZIDIREC019    1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1   1
1   1   1   1   1   1   1
********   RECORD NUMBER  1214 REPLACES RECORD NUMBER   130   ********
      *
      * LASMOV - The outermost spatial interval of the evacuation movement zone.
 1215  EZLASMOV001      19
********   RECORD NUMBER  1215 REPLACES RECORD NUMBER   131   ********
      *
      * EFFACY,  KI Ingestion
 1216  EZEFFACY001     0.7
********   RECORD NUMBER  1216 REPLACES RECORD NUMBER   269   ********
      *
      * POPFRAC, KI Ingestion
 1217  EZPOPFRC001     0.
********   RECORD NUMBER  1217 REPLACES RECORD NUMBER   270   ********
      .
******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE   9 USER INPUT ********

USER INPUT PROCESSING SUMMARY - CHANGE CASE   9
NUMBER OF RECORDS CHANGED            =  105
NUMBER OF RECORDS ADDED              =    0
****************************************************************************************************
```

With 1=forwards, 2=rightwards, 3=backwards, and 4=leftwards,
The Evacuation Network For This Scenario Was Defined As Follows:

| IRAD | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 |
| 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 |
| 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 |
| 7 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 4 | 2 | 1 | 4 | 2 | 2 | 1 |
| 8 | 1 | 4 | 1 | 1 | 4 | 2 | 1 | 4 | 2 | 1 | 1 | 4 | 2 | 2 | 1 | 1 |
| 9 | 1 | 1 | 4 | 2 | 1 | 1 | 2 | 1 | 1 | 4 | 1 | 4 | 1 | 4 | 1 | 1 |
| 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 | 1 | 1 | 4 | 2 | 1 | 4 | 2 | 1 | 4 | 4 | 4 | 4 | 2 | 2 | 1 | 4 |
| 12 | 2 | 1 | 1 | 4 | 1 | 1 | 4 | 1 | 4 | 4 | 2 | 1 | 4 | 2 | 1 | 1 |
| 13 | 1 | 1 | 4 | 1 | 4 | 2 | 1 | 1 | 2 | 1 | 4 | 4 | 2 | 2 | 1 | 1 |
| 14 | 1 | 1 | 4 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 |
| 15 | 1 | 1 | 4 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 |
| 17 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| IRAD | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 4 | 4 | 4 | 4 | 2 | 2 | |
| 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | |
| 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 4 | 4 | 2 | |
| 8 | 2 | 1 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 4 | |
| 9 | 1 | 2 | 1 | 1 | 1 | 4 | 4 | 4 | 1 | 1 | 4 | 1 | 2 | 2 | 2 | 1 |
| 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 4 |
| 11 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 4 | 4 | 1 | 1 | 4 | 2 | 2 | 1 |
| 12 | 4 | 4 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 4 | 4 | 4 |
| 13 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 4 | 4 | 4 | 1 | 2 | 1 | 4 | 4 | 4 |
| 14 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 2 | 1 | 4 | 1 | 1 | 1 |
| 15 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 2 | 2 | 2 | 1 | 1 | 1 |
| 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| IRAD | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 3 | 2 | 2 | 2 | 1 | 1 | 1 | 4 | 4 | 4 | 2 | 2 | 2 | 1 | 1 | 1 | |
| 4 | 4 | 2 | 2 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 2 | 2 | 1 | 4 | 4 | 2 |
| 5 | 1 | 1 | 1 | 1 | 2 | 1 | 4 | 4 | 2 | 2 | 1 | 4 | 4 | 2 | 2 | 1 |
| 6 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 4 | 2 | 2 | 1 | 2 | 1 | 4 |
| 7 | 1 | 1 | 1 | 1 | 4 | 4 | 2 | 2 | 1 | 1 | 4 | 4 | 1 | 1 | 4 | 1 |
| 8 | 2 | 1 | 4 | 4 | 2 | 1 | 2 | 1 | 2 | 1 | 4 | 2 | 1 | 4 | 2 | 1 |
| 9 | 1 | 2 | 1 | 4 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 4 | 1 | 4 | 1 | 4 |
| 10 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 4 | 4 | 1 | 1 | 1 | 4 | 2 | 1 | 4 |
| 11 | 1 | 1 | 4 | 2 | 1 | 4 | 1 | 4 | 2 | 1 | 4 | 1 | 1 | 2 | 1 | 1 |
| 12 | 4 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 4 |
| 13 | 4 | 2 | 2 | 1 | 4 | 4 | 1 | 1 | 4 | 2 | 1 | 1 | 2 | 1 | 2 | 1 |
| 14 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| 15 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 2 | 1 | 1 | |
| 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 17 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |

| IRAD | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | | |
| 4 | 1 | 4 | 4 | 2 | 1 | 1 | 4 | 2 | 1 | 4 | 4 | 4 | 4 | 1 | 1 | |
| 5 | 4 | 4 | 2 | 2 | 1 | 4 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 6 | 4 | 2 | 2 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | |
| 7 | 4 | 4 | 4 | 1 | 4 | 4 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 8 | 1 | 4 | 4 | 1 | 4 | 4 | 4 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | |
| 9 | 4 | 4 | 4 | 1 | 4 | 2 | 1 | 4 | 1 | 4 | 1 | 1 | 1 | 2 | 2 | 2 |
| 10 | 4 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 2 | 2 | 1 | 1 | 1 |
| 11 | 4 | 4 | 4 | 2 | 2 | 2 | 1 | 4 | 4 | 4 | 2 | 2 | 1 | 4 | 2 | 2 |
| 12 | 4 | 4 | 2 | 2 | 2 | 2 | 1 | 4 | 2 | 1 | 1 | 2 | 2 | 1 | 4 | 2 |
| 13 | 4 | 4 | 2 | 2 | 2 | 1 | 1 | 4 | 2 | 1 | 4 | 2 | 1 | 4 | 1 | 1 |
| 14 | 1 | 4 | 4 | 2 | 2 | 1 | 1 | 4 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 |
| 15 | 1 | 4 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 1 |
| 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

THE KI MODEL IS IN EFFECT

******** BEGINNING OF CHANGE CASE 10 USER INPUT ********
*
* CSFACT - Cloudshine shielding factor
1218 SECSFACT001 1.
******** RECORD NUMBER 1218 REPLACES RECORD NUMBER 25 ********
1219 SECSFACT002 0.5
******** RECORD NUMBER 1219 REPLACES RECORD NUMBER 26 ********
1220 SECSFACT003 0.5
******** RECORD NUMBER 1220 REPLACES RECORD NUMBER 27 ********
*
* PROTIN - Inhalation protection factor
1221 SEPROTIN001 0.98
******** RECORD NUMBER 1221 REPLACES RECORD NUMBER 28 ********
1222 SEPROTIN002 0.33
******** RECORD NUMBER 1222 REPLACES RECORD NUMBER 29 ********
1223 SEPROTIN003 0.33
******** RECORD NUMBER 1223 REPLACES RECORD NUMBER 30 ********
*
* BRRATE - Breathing rates
1224 SEBRRATE001 2.66E-04

```
********   RECORD NUMBER  1224 REPLACES RECORD NUMBER    31   ********
 1225  SEBRRATE002      2.66E-04
********   RECORD NUMBER  1225 REPLACES RECORD NUMBER    32   ********
 1226  SEBRRATE003      2.66E-04
********   RECORD NUMBER  1226 REPLACES RECORD NUMBER    33   ********
      *
      * SKPFAC - skin protection factors
 1227  SESKPFAC001      0.98
********   RECORD NUMBER  1227 REPLACES RECORD NUMBER    34   ********
 1228  SESKPFAC002      0.33
********   RECORD NUMBER  1228 REPLACES RECORD NUMBER    35   ********
 1229  SESKPFAC003      0.33
********   RECORD NUMBER  1229 REPLACES RECORD NUMBER    36   ********
      *
      * GSHFAC - groundshine shielding factors
 1230  SEGSHFAC001      0.5
********   RECORD NUMBER  1230 REPLACES RECORD NUMBER    37   ********
 1231  SEGSHFAC002      0.1
********   RECORD NUMBER  1231 REPLACES RECORD NUMBER    38   ********
 1232  SEGSHFAC003      0.1
********   RECORD NUMBER  1232 REPLACES RECORD NUMBER    39   ********
      *
      * EANAM2 - Name of emergency response cohort
 1233  EZEANAM2001      '30-40 Shelter in Place'
********   RECORD NUMBER  1233 REPLACES RECORD NUMBER    42   ********
      *
      * WTFRAC - weighting fraction applied to results of emergency response cohort
 1234  EZWTFRAC001      0.
********   RECORD NUMBER  1234 REPLACES RECORD NUMBER    44   ********
      *
      * LASMOV2  (used for no evacuation), always 0
 1235  EZLASMOV001      0
********   RECORD NUMBER  1235 REPLACES RECORD NUMBER   131   ********
      *
      * EFFACY,  KI Ingestion
 1236  EZEFFACY001      0.7
********   RECORD NUMBER  1236 REPLACES RECORD NUMBER   269   ********
      *
      * POPFRAC, KI Ingestion
 1237  EZPOPFRC001      0.
********   RECORD NUMBER  1237 REPLACES RECORD NUMBER   270   ********
      .
******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE  10 USER INPUT ********

USER INPUT PROCESSING SUMMARY - CHANGE CASE  10
NUMBER OF RECORDS CHANGED            =   20
NUMBER OF RECORDS ADDED              =    0
*****************************************************************************************************


NO EVACUATION REQUESTED
THE KI MODEL IS IN EFFECT


******** BEGINNING OF CHANGE CASE  11 USER INPUT ********
      *
      * CSFACT - Cloudshine shielding factor
 1238  SECSFACT001      1.
********   RECORD NUMBER  1238 REPLACES RECORD NUMBER    25   ********
 1239  SECSFACT002      0.6
********   RECORD NUMBER  1239 REPLACES RECORD NUMBER    26   ********
 1240  SECSFACT003      0.5
********   RECORD NUMBER  1240 REPLACES RECORD NUMBER    27   ********
      *
      * PROTIN - Inhalation protection factor
 1241  SEPROTIN001      0.98
********   RECORD NUMBER  1241 REPLACES RECORD NUMBER    28   ********
 1242  SEPROTIN002      0.46
********   RECORD NUMBER  1242 REPLACES RECORD NUMBER    29   ********
 1243  SEPROTIN003      0.33
********   RECORD NUMBER  1243 REPLACES RECORD NUMBER    30   ********
      *
      * BRRATE - Breathing rates
 1244  SEBRRATE001      2.66E-04
********   RECORD NUMBER  1244 REPLACES RECORD NUMBER    31   ********
 1245  SEBRRATE002      2.66E-04
********   RECORD NUMBER  1245 REPLACES RECORD NUMBER    32   ********
 1246  SEBRRATE003      2.66E-04
********   RECORD NUMBER  1246 REPLACES RECORD NUMBER    33   ********
      *
      * SKPFAC - skin protection factors
 1247  SESKPFAC001      0.98
********   RECORD NUMBER  1247 REPLACES RECORD NUMBER    34   ********
 1248  SESKPFAC002      0.46
********   RECORD NUMBER  1248 REPLACES RECORD NUMBER    35   ********
 1249  SESKPFAC003      0.33
********   RECORD NUMBER  1249 REPLACES RECORD NUMBER    36   ********
      *
      * GSHFAC - groundshine shielding factors
 1250  SEGSHFAC001      0.5
********   RECORD NUMBER  1250 REPLACES RECORD NUMBER    37   ********
 1251  SEGSHFAC002      0.18
********   RECORD NUMBER  1251 REPLACES RECORD NUMBER    38   ********
 1252  SEGSHFAC003      0.1
********   RECORD NUMBER  1252 REPLACES RECORD NUMBER    39   ********
      *
      * EANAM2 - Name of emergency response cohort
 1253  EZEANAM2001      Nonevacuees
********   RECORD NUMBER  1253 REPLACES RECORD NUMBER    42   ********
      *
      * WTFRAC - weighting fraction applied to results of emergency response cohort
 1254  EZWTFRAC001      0.005
********   RECORD NUMBER  1254 REPLACES RECORD NUMBER    44   ********
      *
      * LASMOV2  (used for no evacuation), always 0
 1255  EZLASMOV001      0
********   RECORD NUMBER  1255 REPLACES RECORD NUMBER   131   ********
      *
      * EFFACY,  KI Ingestion
 1256  EZEFFACY001      0.7
********   RECORD NUMBER  1256 REPLACES RECORD NUMBER   269   ********
      *
```

```
     * POPFRAC, KI Ingestion
 1257  EZPOPFRC001      0.
********   RECORD NUMBER  1257 REPLACES RECORD NUMBER   270   ********
```

```
******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE  11 USER INPUT ********

USER INPUT PROCESSING SUMMARY - CHANGE CASE  11
NUMBER OF RECORDS CHANGED            =   20
NUMBER OF RECORDS ADDED              =    0
**************************************************************************************************


NO EVACUATION REQUESTED
THE KI MODEL IS IN EFFECT



******** WARNING -- THE FOLLOWING RECORDS WERE NEVER ACCESSED ********

     EZWTFRAC001      0.005
     STFRACLD001      1.0


USER INPUT IS READ FROM UNIT 26
RECORD IDENTIFIER FIELDS  11 CHARACTERS LONG ARE EXPECTED.
THE FIRST 499 COLUMNS OF EACH INPUT RECORD ARE PROCESSED.

RECORD
NUMBER                              RECORD

     * File created using WinMACCS version 3.7.0 11/13/2012 11:00:52 AM
     *
     * CHNAME - description
  1  CHCHNAME001      'OCP2 high density no spray, EARLY input'
     *
     * EVACST - daily cost
  2  CHEVACST001      172.
     *
     * RELCST - daily cost due to intermediate
  3  CHRELCST001      172.
     *
     * DUR_INTPHAS, intermediate-phase period
  4  DUR_INTPHAS      0.E+00
     *
     * TMPACT - long term dose period
  5  CHTMPACT001      3.16E+07
     *
     * Form 'Long Term Dose Criterion' Comment:
     * Value of DSCRLT (0.005) from Pennsylvania Bureau of Radiation Protection.
     *
     * DSCRTI - dose criterion for phase
  6  CHDSCRTI001      1.00000E+05
     *
     * DSCRLT - dose criterion for habitation
  7  CHDSCRLT001      .005
     *
     * EXPTIM - long term exposure period
  8  CHEXPTIM001      1.58E+09
     *
     * CRTOCR - critical organ
  9  CHCRTOCR001      L-ICRP60ED
     *
     * Form 'Number of Plan Levels' Comment:
     * From NUREG-1150.
     *
     * LVLDEC - number of decontamination levels
 10  CHLVLDEC001      2
     *
     * TIMDEC - time for each level
 11  CHTIMDEC001      3.15E+07
 12  CHTIMDEC002      3.15E+07
     *
     * DSRFCT - effectiveness of decontamination
 13  CHDSRFCT001      3.
 14  CHDSRFCT002      15.
     *
     * CDFRM - farmland decontamination cost
 15  CHCDFRM0001      1330.
 16  CHCDFRM0002      2960.
     *
     * CDNFRM - nonfarmland decontamination cost
 17  CHCDNFRM001      7110.
 18  CHCDNFRM002      19000.
     *
     * FRFDL - fraction farmland cost due labor
 19  CHFRFDL0001      .3
 20  CHFRFDL0002      .35
     *
     * FRNFDL - fraction nonfarmland cost due labor
 21  CHFRNFDL001      .7
 22  CHFRNFDL002      .5
     *
     * TFWKF - fraction time farmland worker
 23  CHTFWKF0001      0.1
 24  CHTFWKF0002      0.33
     *
     * TFWKNF - fraction time nonfarmland worker
 25  CHTFWKNF001      0.33
 26  CHTFWKNF002      0.33
     *
     * DLBCST - labor cost decontamination worker
 27  CHDLBCST001      84000.
     *
     * DPRATE - depreciation rate applies to improvements
 28  CHDPRATE001      .2
     *
     * DSRATE - rate of return
 29  CHDSRATE001      .12
     *
     * POPCST - Per capita removal cost
 30  CHPOPCST001      12000.
     *
```

```
    * NGWTRM - number weathering terms
 31  CHNGWTRM001      2
    *
    * GWCOEF - groundshine coefficient
 32  CHGWCOEF001      0.5
 33  CHGWCOEF002      0.5
    *
    * TGWHLF - groundshine half lives
 34  CHTGWHLF001      1.6E7
 35  CHTGWHLF002      2.8E9
    *
    * NRWTRM - number resuspension terms
 36  CHNRWTRM001      3
    *
    * RWCOEF - resuspension coefficient
 37  CHRWCOEF001      1.0E-5
 38  CHRWCOEF002      1.0E-7
 39  CHRWCOEF003      1.0E-9
    *
    * TRWHLF - resuspension half lives
 40  CHTRWHLF001      1.6E7
 41  CHTRWHLF002      1.6E8
 42  CHTRWHLF003      1.6E9
    *
    * VALWF - value of farm wealth
 43  CHVALWF0001      9040.
    *
    * FRFIM - fraction of farm wealth due improvements
 44  CHFRFIM0001      .25
    *
    * VALWNF - value of nonfarm wealth
 45  CHVALWNF001      2.10000E+05
    *
    * FRNFIM - fraction nonfarm wealth due improvements
 46  CHFRNFIM001      .8
    *
    * FDPATH, value = OLD, NEW or OFF to use models MACCS food, Comida2 or no food model respectively
 47  CHFDPATH001      NEW
    *
    * DOSEMILK
 48  DOSEMILK001      0.025
 49  DOSEMILK002      0.075
    *
    * DOSEOTHR
 50  DOSEOTHR001      0.025
 51  DOSEOTHR002      0.075
    *
    * DOSELONG
 52  DOSELONG001      0.005
 53  DOSELONG002      0.015
    *
    * Form 'Water Ingestion Radionuclides' Comment:
    *
    *
    * NUMWPI - size of array NAMWPI
 54  CHNUMWPI001      4
    *
    * popflg=FILE,NAMWPI, WSHFRI, WSHRTA, WINGF - water ingestion data
 55  CHWTRISO001      Sr-89   0.01    0.004   0.
 56  CHWTRISO002      Sr-90   0.01    0.004   0.
 57  CHWTRISO003   Cs-134  0.005   0.001   0.
 58  CHWTRISO004      Cs-137  0.005   0.001   0.
    *
    * KSWTCH - chronc output diagnostic switch
 59  CHKSWTCH001      0
    *
    * FRCFRM_FILE - popflg = FILE, dummy variable
 60  CHFRCFRM001      1.0
    *
    * FRMPRD_FILE - popflg=FILE, dummy variable
 61  CHFRMPRD001      0.0
    *
    * DPFRCT_FILE - popflg=FILE, dummy variable
 62  CHDPFRCT001      0.0
    *
    * Form 'Shielding and Exposure' Comment:
    * Data are taken directly from NUREG-1150 for normal activity.
    *
    * LPROTIN - Inhalation protection factor used in CHRONC
 63  CHLPROTIN01      .46
    *
    * LBRRATE - Breathing rate used in CHRONC
 64  CHLBRRATE01      2.66E-04
    *
    * LGSHFAC - groundshine shielding factor used in CHRONC
 65  CHLGSHFAC01      .18
    *
    * NXUM9=0
 66  TYPE9NUMBER      0
    *
    * NXUM9, number of type9 results
 67  TYPE9NUMBER      4
********   RECORD NUMBER    67 REPLACES RECORD NUMBER    66   ********
    *
    * ORGNAM7, IX1DS9, IX2DS9, CCDF9 - Population Dose
 68  TYPE9OUT001      L-ICRP60ED      1       12      NONE
 69  TYPE9OUT002      L-ICRP60ED      1       19      NONE
 70  TYPE9OUT003      L-ICRP60ED      1       21      NONE
 71  TYPE9OUT004      L-ICRP60ED      1       26      NONE
    *
    * NXUM10=0
 72  TYP10NUMBER      0
    *
    * NXUM10, number of type10 results
 73  TYP10NUMBER      10
********   RECORD NUMBER    73 REPLACES RECORD NUMBER    72   ********
    *
    *  I1DS10, I2DS10, CCDF10 - Economic Cost
 74  TYP10OUT001      1       26      NONE
 75  TYP10OUT002      1       12      NONE
 76  TYP10OUT003   13      15      NONE
 77  TYP10OUT004      16      17      NONE
```

```
  78  TYP10OUT005      18      18      NONE
  79  TYP10OUT006      19      19      NONE
  80  TYP10OUT007      20      21      NONE
  81  TYP10OUT008      22      23      NONE
  82  TYP10OUT009      24      25      NONE
  83  TYP10OUT010      26      26      NONE
     *
     * FLAG11 - Action Distance
  84  TYP11FLAG11      .TRUE.  NONE
     *
     * NUM12=0
  85  TYP12NUMBER      0
     *
     * NUM12, number of type 12 results
  86  TYP12NUMBER      10
********   RECORD NUMBER    86 REPLACES RECORD NUMBER    85   ********
     *
     * I1DS12, I2DS12, Impacted Area/Population
  87  TYP12OUT001      1       26      NONE
  88  TYP12OUT002      1       12      NONE
  89  TYP12OUT003      13      15      NONE
  90  TYP12OUT004      16      17      NONE
  91  TYP12OUT005      18      18      NONE
  92  TYP12OUT006   19      19      NONE
  93  TYP12OUT007      20      21      NONE
  94  TYP12OUT008      22      23      NONE
  95  TYP12OUT009      24      25      NONE
  96  TYP12OUT010      26      26      NONE
     *
     * NUM13=0
  97  TYP13NUMBER      0
     *
     * NUM13, number of type 13 results
  98  TYP13NUMBER      18
********   RECORD NUMBER    98 REPLACES RECORD NUMBER    97   ********
     *
     * IRAD13, ORGN13, Max Individual Food Ingestion Dose at a Distance
  99  TYP13OUT001      12      EFFECTIVE       NONE
 100  TYP13OUT002      15      EFFECTIVE       NONE
 101  TYP13OUT003      17      EFFECTIVE       NONE
 102  TYP13OUT004      18      EFFECTIVE       NONE
 103  TYP13OUT005      19      EFFECTIVE       NONE
 104  TYP13OUT006      21      EFFECTIVE       NONE
 105  TYP13OUT007      23      EFFECTIVE       NONE
 106  TYP13OUT008      25      EFFECTIVE       NONE
 107  TYP13OUT009      26      EFFECTIVE       NONE
 108  TYP13OUT010      12      THYROID NONE
 109  TYP13OUT011      15      THYROID NONE
 110  TYP13OUT012   17      THYROID NONE
 111  TYP13OUT013      18      THYROID NONE
 112  TYP13OUT014      19      THYROID NONE
 113  TYP13OUT015      21      THYROID NONE
 114  TYP13OUT016      23      THYROID    NONE
 115  TYP13OUT017      25      THYROID NONE
 116  TYP13OUT018      26      THYROID NONE
     *
     * COMIDA2_TH - use for premade comida2, dose AT or PL models
 117  BIN_FILE001      'C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\Late 30-mile evac\2.4 HighDensity\Data\samp_a_FGR13GyEquivDCF.bin'
     .
******** TERMINATOR RECORD ENCOUNTERED -- END OF BASE CASE USER INPUT ********


USER INPUT PROCESSING SUMMARY - BASE CASE

NUMBER OF RECORDS READ                          =  249
NUMBER OF BLANK OR COMMENT RECORDS READ         =  131
NUMBER OF TERMINATOR RECORDS                    =    1
NUMBER OF RECORDS PROCESSED                     =  117
    NUMBER OF PROCESSED RECORDS DUPLICATED      =    4
    NUMBER OF PROCESSED RECORDS SORTED          =  113
*************************************************************************************************************


READING COMIDA2 FILE: C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\Late 30-mile evac\2.4 HighDensity\Data\samp_a_FGR13GyEquivDCF.bin
COMIDA2 binary file header =
COMIDA2 20120302   19:05:30   Version 1.13.0.1, 06/20/07

COMIDA2 descriptive title  =
FGR13DF 5/13/2008 12:23:56   Version 1.03, Gy-Equivalent DCFs

Internal Dose Coefficients derived from FGR 13, EPA 402-R-99-001

COMIDA2 LASTSTOR =          9

A SITE DATA FILE IS BEING USED FOR BOTH "EARLY" AND "CHRONC"

 8 CANCER EFFECTS ARE DEFINED IN THE MODEL.
   INDEX  CANCER EFFECT                ORGAN      ALPHA      BETA     CFRISK     CIRISK
     1                LEUKEMIA     L-RED MARR   1.000E+00  0.000E+00  1.110E-02  1.130E-02
     2                BONE         L-BONE SUR   1.000E+00  0.000E+00  1.900E-04  2.710E-04
     3                BREAST       L-BREAST     1.000E+00  0.000E+00  5.060E-03  1.010E-02
     4                LUNG         L-LUNGS      1.000E+00  0.000E+00  1.980E-02  2.080E-02
     5                THYROID      L-THYROID    1.000E+00  0.000E+00  6.480E-04  6.480E-03
     6                LIVER        L-LIVER      1.000E+00  0.000E+00  3.000E-03  3.160E-03
     7                COLON        L-LOWER LI   1.000E+00  0.000E+00  2.080E-02  3.780E-02
     8                RESIDUAL     L-BLAD WAL   1.000E+00  0.000E+00  4.930E-02  1.690E-01

 TIME OF HOTSPOT RELOCATION IS 1.4400E+04.
 TIME OF NORMAL RETURN IS  5.760E+04 AND THE EMERGENCY PHASE ENDS AT  6.048E+05.


GROUNDSHINE SHIELDING FACTOR   = 0.180

RESUSPENSION PROTECTION FACTOR = 0.460

BREATHING RATE (CUBIC M/S) =   2.660E-04

 DISPERSION MODEL FLAG IS  3

 WINDROSE PROBABILITIES BY WIND DIRECTION AND MET BIN NUMBER
BIN    1     2     3     4     5     6     7     8     9    10    11    12    13    14    15    16
   1 0.0169 0.0099 0.0042 0.0113 0.0042 0.0000 0.0028 0.0085 0.0042 0.0099 0.0099 0.0071 0.0042 0.0071 0.0113 0.0155
```

2 0.0167 0.0143 0.0119 0.0167 0.0048 0.0072 0.0143 0.0167 0.0095 0.0119 0.0048 0.0167 0.0095 0.0143 0.0263 0.0286
3 0.0000 0.0000 0.0000 0.0000 0.0000 0.0111 0.0111 0.0111 0.0000 0.0222 0.0111 0.0222 0.0222 0.0000 0.0000 0.0333
4 0.0172 0.0210 0.0134 0.0095 0.0115 0.0095 0.0095 0.0076 0.0057 0.0076 0.0076 0.0115 0.0115 0.0210 0.0191 0.0134
5 0.0124 0.0212 0.0106 0.0124 0.0106 0.0071 0.0088 0.0053 0.0106 0.0053 0.0088 0.0053 0.0124 0.0071 0.0124 0.0265
6 0.0040 0.0054 0.0027 0.0040 0.0081 0.0027 0.0027 0.0054 0.0108 0.0040 0.0081 0.0108 0.0135 0.0108 0.0135 0.0148
7 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0048 0.0000 0.0096 0.0048 0.0385 0.0721
8 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
9 0.0226 0.0288 0.0309 0.0041 0.0082 0.0370 0.0123 0.0062 0.0165 0.0103 0.0185 0.0144 0.0041 0.0082 0.0103 0.0103
10 0.0282 0.0301 0.0214 0.0107 0.0136 0.0107 0.0117 0.0136 0.0097 0.0136 0.0175 0.0253 0.0224 0.0146 0.0224 0.0301
11 0.0103 0.0129 0.0078 0.0091 0.0052 0.0039 0.0039 0.0052 0.0091 0.0220 0.0272 0.0298 0.0310 0.0233 0.0336 0.0401
12 0.0085 0.0113 0.0028 0.0056 0.0056 0.0000 0.0085 0.0056 0.0113 0.0085 0.0113 0.0085 0.0282 0.0169 0.0339 0.0565
13 0.0176 0.0118 0.0412 0.0216 0.0137 0.0235 0.0314 0.0098 0.0275 0.0314 0.0255 0.0235 0.0196 0.0216 0.0275 0.0255
14 0.0053 0.0040 0.0160 0.0053 0.0093 0.0187 0.0120 0.0267 0.0293 0.0573 0.0600 0.0773 0.0960 0.0547 0.0667 0.0560
15 0.0000 0.0073 0.0000 0.0000 0.0073 0.0000 0.0073 0.0000 0.0219 0.0584 0.0803 0.0657 0.1168 0.1387 0.0949 0.1022
16 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.2500 0.2500 0.0000 0.2500 0.0000 0.2500 0.0000
17 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
18 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
19 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
20 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
21 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
22 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
23 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
24 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
25 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
26 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
27 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
28 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
29 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
30 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
31 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
32 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
33 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
34 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
35 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
36 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
37 0.0146 0.0162 0.0135 0.0094 0.0088 0.0102 0.0107 0.0100 0.0116 0.0177 0.0195 0.0210 0.0235 0.0186 0.0243 0.0288
38 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
39 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
40 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
41 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

WINDROSE PROBABILITIES BY WIND DIRECTION AND MET BIN NUMBER

BIN 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

1 0.0028 0.0127 0.0071 0.0056 0.0099 0.0099 0.0071 0.0056 0.0071 0.0155 0.0099 0.0268 0.0395 0.0353 0.0226 0.0381
2 0.0048 0.0215 0.0239 0.0382 0.0549 0.0430 0.0406 0.0597 0.0358 0.0501 0.0740 0.0883 0.0644 0.0191 0.0143 0.0048
3 0.0333 0.0222 0.0000 0.0222 0.0000 0.0000 0.0222 0.0222 0.0111 0.0111 0.0000 0.0222 0.0111 0.0111 0.0000 0.0333
4 0.0153 0.0115 0.0191 0.0115 0.0248 0.0153 0.0172 0.0210 0.0248 0.0095 0.0229 0.0191 0.0248 0.0286 0.0172 0.0286
5 0.0106 0.0159 0.0177 0.0212 0.0389 0.0336 0.0319 0.0177 0.0195 0.0478 0.0602 0.0549 0.0460 0.0319 0.0283 0.0478
6 0.0175 0.0229 0.0565 0.0350 0.0579 0.0485 0.0848 0.0713 0.0646 0.0808 0.0619 0.0390 0.0565 0.0296 0.0094 0.0108
7 0.0192 0.0240 0.0337 0.0529 0.0721 0.0769 0.0577 0.1154 0.1250 0.0721 0.0962 0.0337 0.0337 0.0144 0.0000 0.0000
8 0.0313 0.0000 0.0313 0.0313 0.0313 0.0000 0.0000 0.0000 0.0000 0.4688 0.3750 0.0000 0.0000 0.0000 0.0000 0.0000
9 0.0062 0.0062 0.0144 0.0123 0.0082 0.0041 0.0123 0.0185 0.0144 0.0165 0.0082 0.0041 0.0041 0.0144 0.0041 0.0350
10 0.0233 0.0194 0.0262 0.0214 0.0204 0.0126 0.0224 0.0204 0.0117 0.0214 0.0262 0.0097 0.0175 0.0087 0.0126 0.0233
11 0.0453 0.0505 0.0582 0.0440 0.0388 0.0440 0.0310 0.0246 0.0207 0.0401 0.0285 0.0310 0.0207 0.0142 0.0246 0.0155
12 0.0311 0.0226 0.0452 0.0254 0.0678 0.0706 0.0650 0.0537 0.0537 0.0452 0.0282 0.0113 0.0113 0.0198 0.0141 0.0254
13 0.0157 0.0157 0.0137 0.0216 0.0098 0.0157 0.0216 0.0137 0.0196 0.0157 0.0333 0.0020 0.0000 0.0020 0.0020 0.0314
14 0.0307 0.0307 0.0280 0.0173 0.0293 0.0107 0.0200 0.0147 0.0227 0.0133 0.0133 0.0120 0.0133 0.0013 0.0040 0.0253
15 0.0438 0.0438 0.0146 0.0146 0.0219 0.0073 0.0073 0.0292 0.0000 0.0146 0.0000 0.0073 0.0073 0.0000 0.0073 0.0073
16 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
17 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
18 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
19 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
20 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
21 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
22 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
23 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
24 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
25 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
26 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
27 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
28 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
29 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
30 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
31 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
32 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
33 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
34 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
35 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
36 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
37 0.0177 0.0201 0.0248 0.0215 0.0282 0.0234 0.0282 0.0263 0.0250 0.0318 0.0322 0.0236 0.0251 0.0172 0.0131 0.0249
38 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
39 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
40 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
41 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

WINDROSE PROBABILITIES BY WIND DIRECTION AND MET BIN NUMBER

BIN 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48

1 0.0240 0.0480 0.0452 0.0494 0.0212 0.0184 0.0169 0.0085 0.0071 0.0198 0.0240 0.0184 0.0240 0.0198 0.0226 0.0282
2 0.0000 0.0191 0.0095 0.0095 0.0024 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
3 0.0000 0.0222 0.0000 0.0444 0.0333 0.0222 0.0333 0.0111 0.0000 0.0222 0.0333 0.0222 0.0444 0.0222 0.0444 0.0556
4 0.0191 0.0439 0.0401 0.0305 0.0286 0.0134 0.0153 0.0057 0.0057 0.0153 0.0095 0.0076 0.0134 0.0038 0.0134 0.0134
5 0.0265 0.0159 0.0319 0.0071 0.0071 0.0053 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
6 0.0108 0.0121 0.0242 0.0013 0.0013 0.0000 0.0013 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
7 0.0000 0.0048 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
8 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
9 0.0123 0.0082 0.0103 0.0226 0.0062 0.0041 0.0062 0.0062 0.0082 0.0123 0.0082 0.0041 0.0267 0.0185 0.0288 0.0247
10 0.0107 0.0107 0.0165 0.0058 0.0087 0.0078 0.0029 0.0019 0.0000 0.0049 0.0019 0.0019 0.0019 0.0010 0.0019 0.0078
11 0.0091 0.0039 0.0078 0.0065 0.0039 0.0013 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
12 0.0169 0.0113 0.0056 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
13 0.0000 0.0059 0.0020 0.0176 0.0020 0.0000 0.0020 0.0000 0.0000 0.0020 0.0078 0.0020 0.0137 0.0039 0.0157 0.0216
14 0.0013 0.0000 0.0000 0.0027 0.0013 0.0013 0.0000 0.0013 0.0000 0.0000 0.0013 0.0040 0.0000 0.0000 0.0013 0.0040
15 0.0073 0.0000 0.0000 0.0073 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
16 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
17 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
18 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
19 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
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25 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224

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 33 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
 34 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
 35 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
 36 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
 37 0.0122 0.0191 0.0174 0.0132 0.0088 0.0056 0.0051 0.0034 0.0023 0.0058 0.0064 0.0047 0.0072 0.0047 0.0084 0.0112
 38 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 39 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 40 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 41 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

 WINDROSE PROBABILITIES BY WIND DIRECTION AND MET BIN NUMBER
BIN    49     50     51     52     53     54     55     56     57     58     59     60     61     62     63     64
  1 0.0113 0.0311 0.0212 0.0099 0.0198 0.0071 0.0169 0.0099 0.0127 0.0099 0.0099 0.0141 0.0085 0.0155 0.0085 0.0155
  2 0.0000 0.0000 0.0000 0.0000 0.0000 0.0024 0.0024 0.0000 0.0000 0.0024 0.0000 0.0048 0.0048 0.0191 0.0358 0.0263
  3 0.0000 0.0444 0.0222 0.0111 0.0111 0.0111 0.0333 0.0111 0.0000 0.0111 0.0222 0.0111 0.0222 0.0000 0.0111 0.0000
  4 0.0172 0.0057 0.0019 0.0095 0.0095 0.0115 0.0172 0.0153 0.0115 0.0115 0.0172 0.0191 0.0191 0.0153 0.0134 0.0191
  5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0053 0.0088 0.0000 0.0159 0.0265 0.0212 0.0230 0.0283 0.0177 0.0283 0.0301
  6 0.0000 0.0000 0.0000 0.0000 0.0000 0.0013 0.0013 0.0027 0.0000 0.0081 0.0013 0.0013 0.0094 0.0202 0.0148 0.0202
  7 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0096 0.0048 0.0144 0.0096
  8 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0313 0.0000 0.0000
  9 0.0309 0.0267 0.0206 0.0185 0.0144 0.0165 0.0309 0.0226 0.0103 0.0165 0.0412 0.0226 0.0267 0.0267 0.0309 0.0103
 10 0.0049 0.0175 0.0107 0.0107 0.0097 0.0117 0.0155 0.0214 0.0204 0.0204 0.0292 0.0253 0.0311 0.0282 0.0311 0.0330
 11 0.0000 0.0026 0.0000 0.0000 0.0026 0.0026 0.0013 0.0013 0.0103 0.0181 0.0194 0.0194 0.0194 0.0246 0.0246 0.0155
 12 0.0000 0.0000 0.0000 0.0000 0.0000 0.0028 0.0028 0.0000 0.0056 0.0028 0.0028 0.0085 0.0141 0.0141 0.0339 0.0650
 13 0.0451 0.0353 0.0431 0.0059 0.0608 0.0118 0.0255 0.0039 0.0000 0.0078 0.0118 0.0235 0.0059 0.0059 0.0118 0.0000
 14 0.0040 0.0133 0.0093 0.0067 0.0107 0.0053 0.0093 0.0040 0.0013 0.0093 0.0000 0.0053 0.0067 0.0053 0.0067 0.0027
 15 0.0000 0.0000 0.0000 0.0000 0.0073 0.0000 0.0000 0.0000 0.0000 0.0146 0.0000 0.0000 0.0146 0.0073 0.0073 0.0073
 16 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 17 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
 18 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
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 33 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
 34 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
 35 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
 36 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
 37 0.0104 0.0116 0.0095 0.0073 0.0126 0.0075 0.0121 0.0110 0.0112 0.0155 0.0161 0.0170 0.0183 0.0188 0.0227 0.0213
 38 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 39 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 40 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 41 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000


Processing a Site Data File with Header:  SECPOP2000 Version: 3.13.1 MACCS2 Formatted Site:  File for Peach Bottom Census
  Lat: 39d45'32" Long:  76d16' 9" Population multiplier: 1.0533 Economic multip


THIS PROGRAM CURRENTLY ALLOWS THE GENERATION OF UP TO 3394 RESULTS

YOU HAVE REQUESTED 178 RESULTS FROM "EARLY" COMPOSED OF:

 108 RESULTS OF TYPE 1
   1 RESULTS OF TYPE 2
   3 RESULTS OF TYPE 3
   0 RESULTS OF TYPE 4
   4 RESULTS OF TYPE 5
   0 RESULTS OF TYPE 6
   0 RESULTS OF TYPE 7
  17 RESULTS OF TYPE 8
  26 RESULTS OF TYPE A
   0 RESULTS OF TYPE B
   3 RESULTS OF TYPE C
  16 RESULTS OF TYPE D
   0 RESULTS OF TYPE E

YOU HAVE REQUESTED  304 RESULTS FROM "CHRONC" COMPOSED OF:

  68 RESULTS OF TYPE 9
 130 RESULTS OF TYPE 10
   8 RESULTS OF TYPE 11
  80 RESULTS OF TYPE 12
  18 RESULTS OF TYPE 13


    TRIAL        DAY     PERIOD        BIN     PRBMET
        1        152          2          9   1.13E-03

 WARNING!!

 THE TOTAL RELEASE DURATION EXCEEDS 2 HOURS.

 THIS MAY CAUSE ERRONEOUS RESULTS TO BE PRODUCED

 WHEN USING THE Regulatory Guide 1.145 model.


Testing Previously created Chronc factor file: ChrndfFactors.bin
for compatibility with current input values.

For Julian Day 152, selecting COMIDA2 results # 4 of 9
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        2       152         9         1   1.14E-03
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        3       152        14        36   1.43E-04
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        4       152        15        35   1.14E-04
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        5       152        16        34   1.14E-04
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        6       152        17        32   3.23E-04
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        7       152        24        10   1.14E-03
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        8       153         5        36   1.43E-04
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        9       153         6        36   1.43E-04
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        10        153          8        36   1.43E-04
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        11        153          9        35   1.14E-04
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        12        153         10        35   1.14E-04
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        13        153         11        34   1.14E-04
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        14        153         12        34   1.14E-04
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        15        154         11         6   1.15E-03
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        16        154         22        10   1.14E-03
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        17        154         23        11   1.15E-03
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        18        155          9         4   1.15E-03
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        19        155         22         11   1.15E-03
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        20        156          6          5   1.13E-03
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        21        156         18         10   1.14E-03
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        22        156         23          9   1.13E-03
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        23        157         11          1   1.14E-03
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        24        157         17          3   8.56E-04
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        25        158          9         21   1.13E-03
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        26        158         13         25   1.52E-04
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        27        158         14         24   1.14E-04
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      28      158       18       12   1.15E-03
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      29      158       24       17   1.14E-03
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      30      159        3       14   1.14E-03
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      31      159        9        4   1.15E-03
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      32      159       16       26   2.38E-04
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      33      159       17       25   1.52E-04
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      34      159       18       24   1.14E-04
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      35      159       19       22   1.09E-03
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      36       159        23        18   5.99E-04
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      37       160         5        14   1.14E-03
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      38       160         9         5   1.13E-03
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      39       160        11        20   1.12E-03
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      40       160        12        19   1.11E-03
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      41       160        24        11   1.15E-03
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      42       161        11         2   1.14E-03
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      43       161        16         6   1.15E-03
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      44       161        19        11   1.15E-03
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      45       161        22        15   1.12E-03
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      46       163         6        10   1.14E-03
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      47       163        11         1   1.14E-03
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      48       164         2        14   1.14E-03
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      49       165        10         1   1.14E-03
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      50       165        11         1   1.14E-03
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    TRIAL       DAY     PERIOD       BIN     PRBMET
      51       165        20        11   1.15E-03
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      52       166         2        11   1.15E-03
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       53       166        11         2   1.14E-03
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       54       167        15         4   1.15E-03
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       55       167        20        14   1.14E-03
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       56       167        23        13   1.14E-03
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       57       168         5        13   1.14E-03
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       58       169         8         4   1.15E-03
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       59       169        13         1   1.14E-03
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       60       169        17         6   1.15E-03
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       61       169        22        10   1.14E-03
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      62      170       12       26   2.38E-04
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      63      170       14       24   1.14E-04
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      64      170       18       10   1.14E-03
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      65      171        6       17   1.14E-03
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      66      171       12        5   1.13E-03
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      67      171       20       14   1.14E-03
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      68      172        6        9   1.13E-03
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      69      173        1       21   1.13E-03
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       70       173         8        10   1.14E-03
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       71       174         2        14   1.14E-03
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       72       174         7         4   1.15E-03
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       73       174        10         1   1.14E-03
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       74       174        11         5   1.13E-03
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       75       174        21        19   1.11E-03
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       76       175         8        36   1.43E-04
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       77       175         9        36   1.43E-04
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       78       175        10        35   1.14E-04
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      79       175        11        35   1.14E-04
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      80       175        12        34   1.14E-04
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      81       175        15        32   3.23E-04
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      82       175        16        27   3.71E-04
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      83       175        19        20   1.12E-03
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      84       175        23        17   1.14E-03
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      85       176         1        10   1.14E-03
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      86       176         3        26   2.38E-04
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      87       176         6        25   1.52E-04
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       88       176         8        24   1.14E-04
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       89       176        21        27   3.71E-04
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       90       177         1        32   3.23E-04
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       91       177         4        32   3.23E-04
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       92       177         7        17   1.14E-03
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       93       177        17        32   3.23E-04
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       94       177        20        25   1.52E-04
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       95       177        23        25   1.52E-04
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      96        178          2         32   3.23E-04
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      97        178          5         22   1.09E-03
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      98        178          6         17   1.14E-03
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      99        179          2         27   3.71E-04
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     100        179         15          1   1.14E-03
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    TRIAL       DAY     PERIOD       BIN     PRBMET
     101        179         18         11   1.15E-03
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     102        179         21         20   1.12E-03
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     103        179         24         19   1.11E-03
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     104        180         12          4   1.15E-03
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     105       180        15        31   1.14E-04
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     106       180        16        30   1.14E-04
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     107       180        17        30   1.14E-04
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     108       180        18        29   1.14E-04
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     109       181        19        14   1.14E-03
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     110       182         2        13   1.14E-03
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     111       182         6         9   1.13E-03
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     112       182        16         5   1.13E-03
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     113       182        22        10   1.14E-03
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     114       183         2        10   1.14E-03
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     115       183        17        11   1.15E-03
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     116       185        17         9   1.13E-03
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     117       185        23        21   1.13E-03
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     118       186         3        17   1.14E-03
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     119       186         6        10   1.14E-03
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     120       186        10         5   1.13E-03
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     121       187         1        32   3.23E-04
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      122       187         3        17   1.14E-03
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      123       187         4        10   1.14E-03
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      124       188        16         4   1.15E-03
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      125       188        22        14   1.14E-03
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      126       189        13         4   1.15E-03
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      127       189        16        10   1.14E-03
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      128       189        20        14   1.14E-03
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      129       190        16         6   1.15E-03
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      130       191         1         9   1.13E-03
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        131        192          3         10   1.14E-03
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        132        192          5          9   1.13E-03
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        133        192          9          1   1.14E-03
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        134        192         14          5   1.13E-03
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        135        192         17          5   1.13E-03
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        136        193         17         26   2.38E-04
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        137        193         19         25   1.52E-04
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        138        193         20         24   1.14E-04
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       139       194        24        19   1.11E-03
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       140       195         5        13   1.14E-03
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       141       195         9         1   1.14E-03
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       142       195        24        10   1.14E-03
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       143       196         5        10   1.14E-03
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       144       196         6        36   1.43E-04
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       145       196         8        36   1.43E-04
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       146       196         9        35   1.14E-04
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       147       196        10        35   1.14E-04
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       148        196         11         34   1.14E-04
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       149        196         14         18   5.99E-04
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       150        196         17          3   8.56E-04
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     TRIAL        DAY     PERIOD        BIN     PRBMET
       151        197          1         14   1.14E-03
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       152        197          6         11   1.15E-03
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       153        197         14          5   1.13E-03
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       154        197         16         11   1.15E-03
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       155        198          5         14   1.14E-03
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       156       198        12        14   1.14E-03
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       157       199         6         9   1.13E-03
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       158       199        13        36   1.43E-04
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       159       199        14        36   1.43E-04
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       160       199        15        36   1.43E-04
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       161       199        16        35   1.14E-04
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       162       199        17        34   1.14E-04
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       163       199        23        20   1.12E-03
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       164       200        14         4   1.15E-03
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        165        201          7          4   1.15E-03
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        166        201         23         10   1.14E-03
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        167        202          1          9   1.13E-03
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        168        202          7          3   8.56E-04
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        169        202         17         10   1.14E-03
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        170        202         20         14   1.14E-03
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        171        203         10          5   1.13E-03
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        172        203         16         26   2.38E-04
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     173     203     18     22   1.09E-03
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     174     203     19     18   5.99E-04
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     175     204      3     10   1.14E-03
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     176     204     13      1   1.14E-03
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     177     204     16      4   1.15E-03
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     178     205     14      4   1.15E-03
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     179     206      4     10   1.14E-03
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     180     206     14      2   1.14E-03
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     181     206     19     11   1.15E-03
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       182       207         5         9   1.13E-03
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       183       207        11         1   1.14E-03
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       184       207        16         5   1.13E-03
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       185       208        14         6   1.15E-03
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       186       209         1         9   1.13E-03
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       187       209        10        26   2.38E-04
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       188       209        11        25   1.52E-04
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       189       209        22        14   1.14E-03
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       190       209        23        15   1.12E-03
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     191       210         3        14   1.14E-03
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     192       210        15         4   1.15E-03
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     193       211         5        10   1.14E-03
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     194       211        20        13   1.14E-03
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     195       211        21        14   1.14E-03
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     196       212        10        26   2.38E-04
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     197       212        11        25   1.52E-04
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     198       212        12        24   1.14E-04
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      199       212         13        23   1.14E-04
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      200       212         18        10   1.14E-03
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    TRIAL       DAY     PERIOD       BIN     PRBMET
      201       212         19         9   1.13E-03
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      202       213          8         3   8.56E-04
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      203       213         12         5   1.13E-03
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      204       214          1        14   1.14E-03
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      205       214          2        14   1.14E-03
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      206       214         13         5   1.13E-03
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      207       215         17        11   1.15E-03
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       208       215        19        14   1.14E-03
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       209       215        20        13   1.14E-03
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       210       216        11         6   1.15E-03
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       211       217         1        14   1.14E-03
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       212       217         7         4   1.15E-03
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       213       217        10         1   1.14E-03
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       214       218         1        14   1.14E-03
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       215       218         5        10   1.14E-03
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       216       218         9         1   1.14E-03
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       217       218        22        31   1.14E-04
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       218       218        23        30   1.14E-04
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       219       218        24        29   1.14E-04
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       220       219         1        28   1.14E-04
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       221       219         3        17   1.14E-03
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       222       219        13         1   1.14E-03
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       223       219        24        10   1.14E-03
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       224       220         4        12   1.15E-03
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       225       220        13         5   1.13E-03
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       226       220        21        11   1.15E-03
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       227       221        17         4   1.15E-03
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       228       221        20        14   1.14E-03
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       229       222        19        10   1.14E-03
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       230       222        22         9   1.13E-03
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       231       222        23        14   1.14E-03
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       232       223         4        12   1.15E-03
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      233        223         11          1   1.14E-03
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      234        224         23         14   1.14E-03
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      235        225         14          1   1.14E-03
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      236        225         18         10   1.14E-03
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      237        226         22         11   1.15E-03
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      238        227          7         10   1.14E-03
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      239        227         10          1   1.14E-03
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      240        227         24         14   1.14E-03
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      241        228          2         15   1.12E-03
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     242      228        8        4   1.15E-03
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     243      228       14        1   1.14E-03
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     246      229       19       14   1.14E-03
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     247      230        6        9   1.13E-03
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     248      230       16        4   1.15E-03
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     249      231        7        4   1.15E-03
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     250      231        9        1   1.14E-03
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    TRIAL       DAY    PERIOD       BIN    PRBMET
      251       231        14         6  1.15E-03
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      252       231        17         5  1.13E-03
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      253       231        20        11  1.15E-03
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      254       233         3        11  1.15E-03
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      255       233        17        10  1.14E-03
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      256       233        23        14  1.14E-03
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      257       234         5        14  1.14E-03
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      258       234        10         1  1.14E-03
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      259       234        13         1   1.14E-03
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      260       235        15         5   1.13E-03
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      261       236         1         9   1.13E-03
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      262       236         2        13   1.14E-03
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      263       236        10         1   1.14E-03
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      264       236        16        10   1.14E-03
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      265       237        14         1   1.14E-03
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      266       238         7         4   1.15E-03
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      267       239         3        32   3.23E-04
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        268        239          6         21   1.13E-03
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        269        239          9         17   1.14E-03
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        270        239         17         11   1.15E-03
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        271        240          5          9   1.13E-03
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        272        240          8          4   1.15E-03
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        273        240         14          5   1.13E-03
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        274        240         17         10   1.14E-03
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        275        241         14         31   1.14E-04
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       276       241        15        31   1.14E-04
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       277       241        16        30   1.14E-04
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       278       241        17        29   1.14E-04
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       279       241        18        27   3.71E-04
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       280       241        19        27   3.71E-04
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       281       241        21        20   1.12E-03
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       282       242        15        10   1.14E-03
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       283       242        18         9   1.13E-03
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       284       243         4        10   1.14E-03
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      285       243        23         9   1.13E-03
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      286       244         3        21   1.13E-03
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      287       244        19        22   1.09E-03
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      288       245         2        17   1.14E-03
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      289       245        10        17   1.14E-03
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      290       245        19        19   1.11E-03
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      291       246         1        14   1.14E-03
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      292       246         7         3   8.56E-04
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      293       246        17        10   1.14E-03
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     294       246        22        13   1.14E-03
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     295       247         9         1   1.14E-03
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     296       247        22        20   1.12E-03
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     297       248         6        17   1.14E-03
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     298       248         7        27   3.71E-04
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     299       248         8        32   3.23E-04
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     300       249         1        10   1.14E-03
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   TRIAL       DAY    PERIOD       BIN    PRBMET
     301       249        14         4   1.15E-03
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     302       249        15         4   1.15E-03
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     303       250         8         3   8.56E-04
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     304       250        17         9   1.13E-03
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     305       250        18        13   1.14E-03
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     306       251        13        26   2.38E-04
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     307       251        15        24   1.14E-04
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     308       251        19        14   1.14E-03
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     309       252         1        13   1.14E-03
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     310       252        21        13   1.14E-03
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      311       253         8         4   1.15E-03
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      312       253        20        19   1.11E-03
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      313       253        21        18   5.99E-04
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      314       254         6         9   1.13E-03
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      315       254        11         1   1.14E-03
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      316       254        23        13   1.14E-03
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      317       255         3         9   1.13E-03
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      318       255         6        10   1.14E-03
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       319       255        17        10   1.14E-03
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       320       256         9        21   1.13E-03
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       321       256        10        20   1.12E-03
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       322       256        11        19   1.11E-03
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       323       256        13        17   1.14E-03
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       324       256        21        11   1.15E-03
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       325       256        23        26   2.38E-04
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       326       256        24        25   1.52E-04
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       327       257         1        23   1.14E-04
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     328     258       1      10   1.14E-03
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     329     258      14      17   1.14E-03
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     330     258      20      11   1.15E-03
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     331     259      18      10   1.14E-03
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     332     259      22      14   1.14E-03
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     333     260       2      14   1.14E-03
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     334     260      10       5   1.13E-03
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     335     261      18      15   1.12E-03
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      336       261        20        14   1.14E-03
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      337       262        12         5   1.13E-03
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      338       262        14         4   1.15E-03
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      339       263        22        11   1.15E-03
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      340       263        24        11   1.15E-03
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      341       264         5        15   1.12E-03
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      342       264        11         1   1.14E-03
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      343       264        15        10   1.14E-03
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      344       265        13         2   1.14E-03
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     345      266       11         2   1.14E-03
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     346      266       16         4   1.15E-03
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     347      266       20        10   1.14E-03
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     348      267       12        21   1.13E-03
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     349      267       13        20   1.12E-03
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     350      267       17        11   1.15E-03
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   TRIAL      DAY    PERIOD      BIN    PRBMET
     351      268       21        14   1.14E-03
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     352      269        4        14   1.14E-03
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       353       269         5        13   1.14E-03
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       354       269        12         5   1.13E-03
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       355       269        14        10   1.14E-03
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       356       269        17         9   1.13E-03
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       357       269        21        13   1.14E-03
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       358       271         4         9   1.13E-03
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       359       271        15         7   1.13E-03
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       360       271        16        30   1.14E-04
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       361       271        17        27   3.71E-04
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     362       271        20        22   1.09E-03
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     363       272         8         6   1.15E-03
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     364       272        21        14   1.14E-03
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     365       273         8         3   8.56E-04
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     366       273        15         4   1.15E-03
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     367       273        18        11   1.15E-03
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     368       273        23        17   1.14E-03
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     369       274         9         1   1.14E-03
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     370       274        13         5   1.13E-03
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     371       274         14        10   1.14E-03
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     372       274         21        15   1.12E-03
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     373       275          2        14   1.14E-03
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     374       276          3         9   1.13E-03
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     375       276         11        10   1.14E-03
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     376       276         13         1   1.14E-03
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     377       276         23        13   1.14E-03
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     378       277          4        14   1.14E-03
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       379       278          1          5   1.13E-03
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       380       278          3          6   1.15E-03
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       381       278          7          2   1.14E-03
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       382       278         23         18   5.99E-04
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       383       279          6         17   1.14E-03
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       384       279         10         17   1.14E-03
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       385       280          4          2   1.14E-03
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       386       280         10          1   1.14E-03
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       387       280         24          1   1.14E-03
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     388     281      18       1   1.14E-03
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     389     282       1       1   1.14E-03
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     390     282       7       1   1.14E-03
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     391     282      21      20   1.12E-03
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     392     282      23      19   1.11E-03
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     393     283       7       1   1.14E-03
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     394     283      16       9   1.13E-03
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     395     283      17      13   1.14E-03
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       396       284         5         9   1.13E-03
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       397       284        18        18   5.99E-04
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       398       284        20        17   1.14E-03
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       399       287         4        14   1.14E-03
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       400       287         9         2   1.14E-03
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     TRIAL       DAY     PERIOD       BIN     PRBMET
       401       288         5        14   1.14E-03
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       402       288         9         1   1.14E-03
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       403       289         1        14   1.14E-03
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       404       289         4        14   1.14E-03
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     405       289        10         4   1.15E-03
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     406       289        17        10   1.14E-03
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     407       289        23        11   1.15E-03
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     408       289        24        11   1.15E-03
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     409       290        12        27   3.71E-04
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     410       290        19        12   1.15E-03
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     411       291         1        10   1.14E-03
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     412       291        11         1   1.14E-03
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     413       292         5        26   2.38E-04
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     414       292         6        26   2.38E-04
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     415       292        10        25   1.52E-04
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     416       292        11        25   1.52E-04
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     417       292        12        24   1.14E-04
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     418       292        14         6   1.15E-03
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     419       292        22        22   1.09E-03
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     420       293         2        17   1.14E-03
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     421       293         5        17   1.14E-03
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       422        294          4         14   1.14E-03
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       423        294         10          2   1.14E-03
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       424        295          2         13   1.14E-03
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       425        295          9         10   1.14E-03
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       427        296         10          6   1.15E-03
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       428        296         15          6   1.15E-03
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       429        297          1         11   1.15E-03
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       430        297         17          6   1.15E-03
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      431       298         6        11   1.15E-03
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      432       298         7         5   1.13E-03
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      433       298        14         6   1.15E-03
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      434       298        20        11   1.15E-03
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      435       299         4        10   1.14E-03
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      436       299        12         2   1.14E-03
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      437       299        22        14   1.14E-03
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      438       299        23        13   1.14E-03
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      439       299        24         9   1.13E-03
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      440       300         6        21   1.13E-03
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      441       300         7        21   1.13E-03
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      442       300        19        22   1.09E-03
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      443       301        20        12   1.15E-03
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      444       302        16        12   1.15E-03
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      445       304        22        20   1.12E-03
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      446       304        24        19   1.11E-03
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      447       305         6        13   1.14E-03
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     448       306         8         6   1.15E-03
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     449       306        15        11   1.15E-03
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     450       306        19        11   1.15E-03
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   TRIAL       DAY     PERIOD       BIN     PRBMET
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     452       307        23        10   1.14E-03
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     453       308         3        15   1.12E-03
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     454       308         9         2   1.14E-03
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     455       308        23        14   1.14E-03
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      456       309         8         3   8.56E-04
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      457       309         9         4   1.15E-03
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      458       309        12         1   1.14E-03
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      459       309        17        14   1.14E-03
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      462       310        14         4   1.15E-03
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      463       310        24        13   1.14E-03
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      464       311        15        20   1.12E-03
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     465     311      20      17   1.14E-03
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     466     312       8      22   1.09E-03
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     467     313       2      12   1.15E-03
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     468     313       7       5   1.13E-03
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     469     314       3      14   1.14E-03
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     470     314      14       3   8.56E-04
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     471     314      20      13   1.14E-03
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     472     315      18      10   1.14E-03
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     473     315      22      10   1.14E-03
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      474       316         7        17   1.14E-03
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      475       316        11         7   1.13E-03
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      476       316        15         6   1.15E-03
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      478       317        14        12   1.15E-03
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      479       318         3         5   1.13E-03
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      480       318        17         9   1.13E-03
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      481       319         5         9   1.13E-03
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     482      319       11        1   1.14E-03
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     483      319       20       10   1.14E-03
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     484      319       24       21   1.13E-03
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     485      320        3       19   1.11E-03
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     486      320        4       17   1.14E-03
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     487      320       11       27   3.71E-04
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     488      320       12       32   3.23E-04
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     489      320       15       32   3.23E-04
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     490      320       23       11   1.15E-03
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       491        321          6         11   1.15E-03
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       492        321          8          6   1.15E-03
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       493        321         19          6   1.15E-03
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       494        321         22         12   1.15E-03
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       495        322         23         11   1.15E-03
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       496        323         13          6   1.15E-03
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       497        323         14          5   1.13E-03
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       498        323         17          4   1.15E-03
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       499       324          5          5   1.13E-03
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       500       324         23          6   1.15E-03
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     TRIAL       DAY     PERIOD       BIN     PRBMET
       501       325          9          2   1.14E-03
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       502       325         21         11   1.15E-03
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       503       325         22         11   1.15E-03
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       504       326          6          6   1.15E-03
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       505       326         19         17   1.14E-03
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       506       326         24         26   2.38E-04
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       507       327          1         25   1.52E-04
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       508       327         6         6   1.15E-03
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       509       327        10        20   1.12E-03
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       510       327        23        12   1.15E-03
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       511       328        10         6   1.15E-03
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       512       329         1        14   1.14E-03
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       513       329        18        13   1.14E-03
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       514       329        19        14   1.14E-03
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       515       330        11        10   1.14E-03
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       516       330        18        21   1.13E-03
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       517       331         8         9   1.13E-03
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       518       331        10        13   1.14E-03
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       519       332         1        13   1.14E-03
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       520       332         5        13   1.14E-03
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       521       332        15        11   1.15E-03
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       522       333         7        10   1.14E-03
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       523       333        18         9   1.13E-03
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       524       333        24         9   1.13E-03
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       525       334          5         10   1.14E-03
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       526       334         17         12   1.15E-03
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       528       335         15         17   1.14E-03
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       529       335         21          6   1.15E-03
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       530       336          5         12   1.15E-03
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       531       337          9          1   1.14E-03
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       533       338         11          7   1.13E-03
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     534       338        13         6   1.15E-03
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     535       338        18        10   1.14E-03
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     536       338        23        11   1.15E-03
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     537       339         8         6   1.15E-03
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     538       340         5        10   1.14E-03
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     539       340         6        11   1.15E-03
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     541       341        23         6   1.15E-03
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      542      342        10         7   1.13E-03
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      543      342        18         6   1.15E-03
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      544      343         4        11   1.15E-03
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      545      343        21        15   1.12E-03
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      546      343        22        14   1.14E-03
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      547      344         5        13   1.14E-03
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      549      344        17        15   1.12E-03
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      550      345         8        13   1.14E-03
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   TRIAL     DAY    PERIOD      BIN    PRBMET
     551     346       6       13   1.14E-03
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     553     346       9        1   1.14E-03
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     555     347       9       17   1.14E-03
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     556     347      12        5   1.13E-03
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     557     347      23       21   1.13E-03
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     558     348      10        4   1.15E-03
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      559       348        14        14   1.14E-03
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      560       348        20        10   1.14E-03
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      561       348        24        10   1.14E-03
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      562       349         6         9   1.13E-03
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      563       349        24        12   1.15E-03
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      564       350         2        16   1.14E-04
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      565       350         4        16   1.14E-04
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      566       350        12         6   1.15E-03
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      567       350        21        13   1.14E-03
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      568       351        11        14   1.14E-03
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      569       351        24        13   1.14E-03
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      570       352         7        13   1.14E-03
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      571       352        23        11   1.15E-03
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      572       353         6        10   1.14E-03
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      573       353        10         5   1.13E-03
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      574       353        14         6   1.15E-03
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      575       353        17        11   1.15E-03
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        576        354          3         14   1.14E-03
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        578        355         23         14   1.14E-03
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        579        356          9         19   1.11E-03
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        580        356         24         22   1.09E-03
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        581        357          2         10   1.14E-03
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        582        357          3         10   1.14E-03
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        583        357         18         11   1.15E-03
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        584        357         22         15   1.12E-03
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      585       358         9         6   1.15E-03
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      586       359         5        21   1.13E-03
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      587       359        10        18   5.99E-04
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      588       359        19        17   1.14E-03
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      589       360        20         6   1.15E-03
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      590       361         3         6   1.15E-03
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      591       361        17        11   1.15E-03
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      592       362        17         9   1.13E-03
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      593       363        10         1   1.14E-03
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       594       363        13         4   1.15E-03
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       595       363        20        14   1.14E-03
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       596       363        24         9   1.13E-03
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       597       364         6         9   1.13E-03
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       598       364        14         5   1.13E-03
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       599       365         1        10   1.14E-03
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       600       365         6        10   1.14E-03
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     TRIAL       DAY    PERIOD       BIN     PRBMET
       601         1         1        13   1.14E-03
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       602          1          12          6   1.15E-03
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       603          1          14          5   1.13E-03
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       604          1          20         14   1.14E-03
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       605          1          22         13   1.14E-03
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       606          2           3         21   1.13E-03
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       607          2           5         20   1.12E-03
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       608          2          10         17   1.14E-03
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       609          2          13         17   1.14E-03
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       610          2          14         27   3.71E-04
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       611         3        13         6   1.15E-03
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       612         3        21         5   1.13E-03
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       613         4         5         4   1.15E-03
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       614         5         7        11   1.15E-03
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       615         6         7         6   1.15E-03
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       616         6        13         6   1.15E-03
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       617         7        14         6   1.15E-03
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       618         7        19         5   1.13E-03
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       619          7         21          4   1.15E-03
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       620          7         24         10   1.14E-03
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       621          8          3         10   1.14E-03
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       622          8         20         12   1.15E-03
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       623          9          8         11   1.15E-03
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       625          9         21         10   1.14E-03
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       626         11         13         23   1.14E-04
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       627         11         14         22   1.09E-03
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      629        12        12         2   1.14E-03
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      630        13         8        10   1.14E-03
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      631        13        21        21   1.13E-03
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      632        14        14         8   3.04E-04
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      633        14        16         8   3.04E-04
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      634        14        18         8   3.04E-04
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      635        14        22         8   3.04E-04
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      636        15         1         8   3.04E-04
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     637        15         4         8   3.04E-04
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     638        15         6         8   3.04E-04
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     639        15         8         8   3.04E-04
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     640        15        12         8   3.04E-04
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     641        15        14         8   3.04E-04
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     642        15        20        12   1.15E-03
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     643        16         8         5   1.13E-03
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     644        16        11         1   1.14E-03
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        645        16        13         4   1.15E-03
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        646        16        15         3   8.56E-04
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        647        17        17        20   1.12E-03
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        648        18         2        17   1.14E-03
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        649        18         5        22   1.09E-03
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        650        18        14         8   3.04E-04
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      TRIAL       DAY    PERIOD       BIN    PRBMET
        651        18        21        11   1.15E-03
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        652        19         7         9   1.13E-03
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        653        19        10        10   1.14E-03
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       654        19        17        11   1.15E-03
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       655        19        18        12   1.15E-03
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       656        19        24        10   1.14E-03
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       657        20        20        13   1.14E-03
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       658        20        24        14   1.14E-03
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       659        21        11         6   1.15E-03
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       660        21        15         7   1.13E-03
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       661        21        19         6   1.15E-03
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       662        22         5        11   1.15E-03
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       663        22         7         4   1.15E-03
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       664        23         1        17   1.14E-03
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       665        23         3        19   1.11E-03
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       666        23        21        10   1.14E-03
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       667        24        11         1   1.14E-03
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       668        24        23        11   1.15E-03
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       669        25         1        16   1.14E-04
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       670        25        17         7   1.13E-03
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     671        25        23         7   1.13E-03
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     672        26        12         7   1.13E-03
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     673        27         1         6   1.15E-03
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     674        27        10         5   1.13E-03
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     675        27        17        14   1.14E-03
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     676        28         9        10   1.14E-03
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     677        28        20        13   1.14E-03
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     678        28        22        13   1.14E-03
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       679        29          8         20   1.12E-03
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       680        29          9         19   1.11E-03
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       681        29         15          6   1.15E-03
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       682        29         17          9   1.13E-03
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       683        30          4         18   5.99E-04
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       684        30         11          4   1.15E-03
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       685        31          3         10   1.14E-03
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       686        31          6         21   1.13E-03
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       687        31         16          7   1.13E-03
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       688        31        22         6   1.15E-03
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       689        32        10         1   1.14E-03
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       690        33         1        10   1.14E-03
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       691        33        11         5   1.13E-03
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       692        33        21        17   1.14E-03
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       693        34         5        17   1.14E-03
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       694        34         9         6   1.15E-03
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       695        34        15         6   1.15E-03
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       696        34        20         9   1.13E-03
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       697        34        24        13   1.14E-03
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       698        35        16        18   5.99E-04
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For Julian Day  35, selecting COMIDA2 results # 2 of 9
       699        35        20        22   1.09E-03
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       700        35        21        17   1.14E-03
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     TRIAL       DAY    PERIOD       BIN    PRBMET
       701        36         2        11   1.15E-03
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       702        36        18        12   1.15E-03
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       703        37         2        12   1.15E-03
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       704        37         9         7   1.13E-03
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       705        37        18        11   1.15E-03
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       707        39         4        11   1.15E-03
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       710        40        14         6   1.15E-03
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       711        41         3        11   1.15E-03
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       712        41        14         5   1.13E-03
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       713        42         2        10   1.14E-03
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     714        42         8        21   1.13E-03
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     716        43        18        12   1.15E-03
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     717        44         5        16   1.14E-04
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     720        45         6        14   1.14E-03
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     721        45         8         4   1.15E-03
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     722        45        17        10   1.14E-03
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     723        46         7        13   1.14E-03
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     724        46        16         9   1.13E-03
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     725        47         7        13   1.14E-03
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     726        47        18        15   1.12E-03
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     727        48        15         6   1.15E-03
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     728        48        18         6   1.15E-03
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     729        49         2        10   1.14E-03
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     730        49        19         7   1.13E-03
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       731        50          5        12   1.15E-03
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       732        50          6         5   1.13E-03
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       733        50         16         5   1.13E-03
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       734        50         20        11   1.15E-03
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       735        51          4        10   1.14E-03
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       743        54        17        11   1.15E-03
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       744        54        19        15   1.12E-03
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       745        55         6         7   1.13E-03
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       746        55         9         8   3.04E-04
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       747        55        11         2   1.14E-03
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       748         56          4         11   1.15E-03
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       749         56          5         10   1.14E-03
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       750         56          9          2   1.14E-03
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     TRIAL        DAY     PERIOD        BIN     PRBMET
       751         56         15          6   1.15E-03
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       752         57          7          7   1.13E-03
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       753         58         13          6   1.15E-03
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       754         58         15          6   1.15E-03
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       755         59          6          5   1.13E-03
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        756         59         10          2   1.14E-03
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        757         59         24         10   1.14E-03
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        758         60          3          6   1.15E-03
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        759         61          4         20   1.12E-03
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        760         61          6         20   1.12E-03
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        761         61         20          7   1.13E-03
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        762         62         22          7   1.13E-03
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        763         63          2          6   1.15E-03
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        764         63          9          2   1.14E-03
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       765        63        19        12   1.15E-03
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       766        64         6         6   1.15E-03
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       767        64        22        12   1.15E-03
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       768        64        23        11   1.15E-03
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       769        65         7         4   1.15E-03
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       770        65        11         1   1.14E-03
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       771        66         9         6   1.15E-03
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       772        66        10         2   1.14E-03
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       773        66        13         2   1.14E-03
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       774        66        18        10   1.14E-03
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       775        66        24        10   1.14E-03
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       776        67         4        14   1.14E-03
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       777        67        15         5   1.13E-03
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       778        68         5         5   1.13E-03
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       779        68        16         6   1.15E-03
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       780        69         5        12   1.15E-03
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       781        69        13         7   1.13E-03
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        782        69        24        11   1.15E-03
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        783        70        10         1   1.14E-03
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        784        70        21        11   1.15E-03
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        785        71         9        17   1.14E-03
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        786        71        10         3   8.56E-04
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        787        71        12         4   1.15E-03
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        788        72         3        18   5.99E-04
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        789        72         8         9   1.13E-03
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        790        72        13         2   1.14E-03
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       791        73         2        12   1.15E-03
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       792        74         4        12   1.15E-03
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       793        74         9         7   1.13E-03
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       794        75        14         2   1.14E-03
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       795        75        20        11   1.15E-03
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       796        76         5         5   1.13E-03
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       797        76        22        12   1.15E-03
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       798        77         7         6   1.15E-03
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       799        77         8         2   1.14E-03
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       800        77        13         2   1.14E-03
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     TRIAL       DAY     PERIOD       BIN     PRBMET
       801        78         4        11   1.15E-03
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       802        78        18         6   1.15E-03
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       803        78        20         7   1.13E-03
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       804        79        12         2   1.14E-03
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       805        80         7         1   1.14E-03
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       806        80        18         4   1.15E-03
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       807        81         4         6   1.15E-03
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     808      81      14       6   1.15E-03
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     809      82       2       6   1.15E-03
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     810      83       2       5   1.13E-03
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     811      83       9       2   1.14E-03
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     812      83      19      11   1.15E-03
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     813      83      24       5   1.13E-03
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     814      84      11       1   1.14E-03
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     815      84      16       5   1.13E-03
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     816      84      18      10   1.14E-03
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        817         85          1         11   1.15E-03
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        818         86          2         12   1.15E-03
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        819         86          6          6   1.15E-03
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        820         86         11          2   1.14E-03
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        821         86         15          6   1.15E-03
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        822         86         17         11   1.15E-03
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        823         86         19         14   1.14E-03
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        824         86         24         13   1.14E-03
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       825        87        14         1   1.14E-03
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       826        87        20         4   1.15E-03
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       827        87        23        21   1.13E-03
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       828        88         5        19   1.11E-03
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       829        89         4        13   1.14E-03
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       830        89        10        10   1.14E-03
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       831        90        18        12   1.15E-03
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       832        91         7         5   1.13E-03
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       833        91        15         7   1.13E-03
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       834        92        12         1   1.14E-03
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       835        92        21        13   1.14E-03
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       836        93         2        10   1.14E-03
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       837        93         6         5   1.13E-03
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       838        93        10        21   1.13E-03
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       839        93        15        36   1.43E-04
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       840        93        16        35   1.14E-04
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       841        93        17        34   1.14E-04
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       842        93        18        33   1.14E-04
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       843        93        20        27   3.71E-04
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       844        93        24        12   1.15E-03
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       845        94         9         2   1.14E-03
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       846        94        21        11   1.15E-03
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       847        95         8         7   1.13E-03
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       848        95        12         2   1.14E-03
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       849        95        15         6   1.15E-03
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       850        96         5        10   1.14E-03
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     TRIAL        DAY     PERIOD       BIN     PRBMET
       851         97          7        17   1.14E-03
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       852         97          9        17   1.14E-03
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       853         97         14         2   1.14E-03
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       854         98         15         6   1.15E-03
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       855         98         19        11   1.15E-03
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       856         98         23        12   1.15E-03
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       857         99         23        14   1.14E-03
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     859      100       21        9   1.13E-03
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     861      101       20       11   1.15E-03
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     864      103        7        9   1.13E-03
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     865      104        2       20   1.12E-03
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     869       105         3        14   1.14E-03
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     876       106        23        10   1.14E-03
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     889       112        18        32   3.23E-04
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     890       112        20        27   3.71E-04
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     891       112        24        17   1.14E-03
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     892       113        19        21   1.13E-03
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     893       114        13         2   1.14E-03
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       894       115         8         4   1.15E-03
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       895       115        10         1   1.14E-03
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       896       115        18        12   1.15E-03
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       897       116        19        10   1.14E-03
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       898       116        23         9   1.13E-03
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       899       116        24        14   1.14E-03
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       900       117        11         1   1.14E-03
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     TRIAL       DAY     PERIOD       BIN     PRBMET
       901       117        12         1   1.14E-03
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       902       117        19        14   1.14E-03
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       903       117        21        13   1.14E-03
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       904       118        14         2   1.14E-03
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       905       119        15         1   1.14E-03
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       906       119        21        10   1.14E-03
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       907       119        22        11   1.15E-03
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       908       120         3         9   1.13E-03
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       909       121         9         1   1.14E-03
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       910       121        22        10   1.14E-03
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      911       122         8         4   1.15E-03
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      912       122        14         1   1.14E-03
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      913       122        23        10   1.14E-03
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      914       123         9         1   1.14E-03
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      915       124         2        14   1.14E-03
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      916       124         5        14   1.14E-03
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      917       124        13         2   1.14E-03
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      918       124        24        15   1.12E-03
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     919       125         7         5   1.13E-03
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     921       125        21        13   1.14E-03
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     922       126         9         4   1.15E-03
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     923       126        15         6   1.15E-03
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     924       127        13         1   1.14E-03
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     925       128         1        18   5.99E-04
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     926       128         5        10   1.14E-03
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     928       128        24         9   1.13E-03
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     929       129        15         1   1.14E-03
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     930       129        24        10   1.14E-03
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     932       130        18        11   1.15E-03
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     933       131         1         9   1.13E-03
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     934       131        18        19   1.11E-03
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     935       132         1        17   1.14E-03
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     936       132         9         1   1.14E-03
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     937      132       19       10   1.14E-03
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     938      133       23       21   1.13E-03
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     939      133       24       21   1.13E-03
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     940      134        3       20   1.12E-03
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     941      134        4       20   1.12E-03
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     942      134        6       19   1.11E-03
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     943      134       24       18   5.99E-04
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     944      135        4       17   1.14E-03
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      945        135         23         20   1.12E-03
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      946        136         17          6   1.15E-03
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      947        136         21         14   1.14E-03
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      948        137          2         14   1.14E-03
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      950        137          7          5   1.13E-03
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    TRIAL        DAY     PERIOD        BIN     PRBMET
      951        137         13         17   1.14E-03
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      952        137         18         10   1.14E-03
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      953        137         20         11   1.15E-03
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       954       138         6         3   8.56E-04
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       955       138        14         5   1.13E-03
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       956       139        18        12   1.15E-03
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       957       140        10         2   1.14E-03
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       958       141         1        14   1.14E-03
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       959       141         3        14   1.14E-03
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       960       141         5        13   1.14E-03
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       961       141        21        12   1.15E-03
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       962       142          6          6   1.15E-03
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       963       142         11          2   1.14E-03
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       964       142         19         11   1.15E-03
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       965       143          2         15   1.12E-03
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       966       144         11          2   1.14E-03
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       967       144         12          1   1.14E-03
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       968       145         22         21   1.13E-03
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       969       146         17          5   1.13E-03
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       970       146         19         10   1.14E-03
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     971      147        5       14   1.14E-03
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     972      147       13        6   1.15E-03
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     973      147       17       11   1.15E-03
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     974      148        1       10   1.14E-03
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     975      148        3       14   1.14E-03
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     976      148        9        4   1.15E-03
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     977      148       14        1   1.14E-03
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     978      148       24       13   1.14E-03
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     979      149        6        9   1.13E-03
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      980       149         15         4   1.15E-03
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      981       150          4         13   1.14E-03
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      982       150          8          5   1.13E-03
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      983       150         22         10   1.14E-03
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      984       151          8          1   1.14E-03
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 "ATMOS"  DESCRIPTION = OCP2 high density no spray
                                  PROB                    QUANTILES                          PEAK     PEAK  PEAK
                             NON-ZERO   MEAN      50TH      90TH      95TH      99TH    99.5TH     CONS      PROB  TRIAL
Source Term 1: Plume 1, at     0-0.2 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  1.01E+11  7.85E+10  1.83E+11  2.55E+11    ****      ****    3.17E+11  3.09E-02   56
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  3.81E+10  3.06E+10  7.14E+10  7.98E+10  1.07E+11  1.33E+11  1.72E+11  2.23E-03  391
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  4.18E+08  3.37E+08  7.35E+08  8.29E+08  1.17E+09  1.45E+09  2.52E+09  1.12E-03  281
 Total    Center Ground Conc. (Bq/m2)   1.0000  1.54E+09  1.21E+09  2.67E+09  3.27E+09  4.71E+09  5.50E+09  9.82E+09  1.12E-03  281
 Ground-Level Dilution, X/Q (s/m3)      1.0000  4.22E-05  3.39E-05  7.33E-05  8.19E-05  1.16E-04  1.53E-04  1.93E-04  2.83E-03  382
 Cs-137   Adjusted Source, Q (Bq)       1.0000  9.04E+14  7.16E+14  7.53E+14  7.70E+14  8.11E+14  8.29E+14  9.06E+14  3.04E-04  637
 Plume Sigma-y (m)                      1.0000  3.51E+01  3.35E+01    ****      ****      ****      ****    4.46E+01  1.64E-01   22
 Plume Sigma-z (m)                      1.0000  3.04E+01  2.80E+01  5.10E+01    ****      ****      ****    5.14E+01  9.20E-02    3
 Plume Height  (m)                      1.0000  5.00E+01    ****      ****      ****      ****      ****    5.00E+01  1.00E+00    1
 Plume Arrival Time (s)                 1.0000  2.18E+05  2.05E+05  2.16E+05    ****      ****      ****    2.18E+05  7.33E-02    7

Source Term 1: Plume 1, at   0.2-0.5 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  2.61E+10  2.20E+10  5.07E+10  6.41E+10    ****      ****    8.53E+10  3.09E-02   56
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  1.71E+10  1.37E+10  3.04E+10  3.38E+10  4.30E+10  4.77E+10  6.56E+10  2.56E-03  158
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  1.82E+08  1.44E+08  3.09E+08  3.44E+08  4.42E+08  4.92E+08  9.08E+08  1.12E-03  281
 Total    Center Ground Conc. (Bq/m2)   1.0000  6.72E+08  5.54E+08  1.09E+09  1.24E+09  1.66E+09  1.89E+09  3.52E+09  1.12E-03  281
 Ground-Level Dilution, X/Q (s/m3)      1.0000  1.93E-05  1.44E-05  3.50E-05  4.71E-05  6.11E-05  6.71E-05  7.66E-05  3.68E-03  158
 Cs-137   Adjusted Source, Q (Bq)       1.0000  8.92E+14  7.15E+14  7.53E+14  7.69E+14  8.10E+14  8.27E+14  9.04E+14  3.04E-04  637
 Plume Sigma-y (m)                      1.0000  1.03E+02  1.07E+02    ****      ****      ****      ****    1.39E+02  1.64E-01   22
 Plume Sigma-z (m)                      1.0000  5.45E+01  4.57E+01    ****      ****      ****      ****    1.60E+02  1.12E-01    3
 Plume Height  (m)                      1.0000  5.00E+01    ****      ****      ****      ****      ****    5.00E+01  1.00E+00    1
 Plume Arrival Time (s)                 1.0000  2.18E+05  2.05E+05  2.16E+05    ****      ****      ****    2.19E+05  7.33E-02    7

Source Term 1: Plume 1, at   0.5-1.2 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  1.00E+10  8.33E+09  1.90E+10  2.41E+10  3.24E+10    ****    3.35E+10  6.77E-03  182
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  9.37E+09  8.02E+09  1.68E+10  2.20E+10    ****      ****    2.98E+10  2.07E-02  182
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  9.31E+07  8.17E+07  1.68E+08  2.06E+08  2.49E+08  2.69E+08  3.21E+08  1.12E-03  281
 Total    Center Ground Conc. (Bq/m2)   1.0000  3.47E+08  3.09E+08  6.25E+08  7.28E+08  8.87E+08  9.66E+08  1.27E+09  1.12E-03  281
 Ground-Level Dilution, X/Q (s/m3)      1.0000  1.10E-05  8.83E-06  2.14E-05  2.58E-05    ****      ****    3.70E-05  1.70E-02  314
 Cs-137   Adjusted Source, Q (Bq)       1.0000  8.67E+14  7.18E+14  7.63E+14  7.83E+14  8.31E+14  8.53E+14  9.01E+14  1.13E-03  781
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 Plume Sigma-y (m)              1.0000  2.01E+02  1.50E+02    ****      ****      ****      ****    2.66E+02  1.29E-01    3
 Plume Sigma-z (m)              1.0000  1.08E+02  4.59E+01  3.22E+02  3.90E+02    ****      ****    4.35E+02  3.37E-02   34
 Plume Height  (m)             1.0000  5.00E+01    ****      ****      ****      ****      ****    5.00E+01  1.00E+00    1
 Plume Arrival Time (s)         1.0000  2.19E+05  2.04E+05  2.15E+05  2.19E+05    ****      ****    2.20E+05  4.68E-02   57

Source Term 1: Plume 1, at   1.2-1.6 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  6.14E+09  5.54E+09  1.19E+10  1.56E+10  2.05E+10  2.09E+10  2.18E+10  1.13E-03  317
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  6.54E+09  5.77E+09  1.24E+10  1.60E+10  2.10E+10  2.16E+10  2.32E+10  1.13E-03  317
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  6.07E+07  5.69E+07  1.06E+08  1.16E+08  1.44E+08  1.58E+08  2.02E+08  8.56E-04  786
 Total    Center Ground Conc. (Bq/m2)   1.0000  2.28E+08  2.17E+08  4.25E+08  5.13E+08  6.22E+08  6.76E+08  7.97E+08  8.56E-04  786
 Ground-Level Dilution, X/Q (s/m3)      1.0000  8.03E-06  6.97E-06  1.57E-05  2.14E-05    ****      ****    3.01E-05  2.60E-02  182
 Cs-137   Adjusted Source, Q (Bq)       1.0000  8.43E+14  7.18E+14  7.62E+14  7.82E+14  8.30E+14  8.52E+14  9.00E+14  1.13E-03  781
 Plume Sigma-y (m)              1.0000  2.73E+02  2.48E+02    ****      ****      ****      ****    4.06E+02  1.28E-01    3
 Plume Sigma-z (m)              1.0000  1.66E+02  4.65E+01  7.03E+02  7.11E+02  7.29E+02  7.37E+02  7.55E+02  1.01E-03   24
 Plume Height  (m)             1.0000  5.00E+01    ****      ****      ****      ****      ****    5.00E+01  1.00E+00    1
 Plume Arrival Time (s)         1.0000  2.19E+05  2.05E+05  2.15E+05  2.20E+05    ****      ****    2.21E+05  4.68E-02   57

Source Term 1: Plume 1, at   1.6-2.1 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  4.89E+09  3.82E+09  9.97E+09  1.09E+10  1.33E+10  1.45E+10  1.80E+10  8.56E-04  168
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  5.40E+09  5.04E+09  1.03E+10  1.13E+10  1.42E+10  1.56E+10  2.01E+10  8.56E-04  168
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  4.73E+07  4.65E+07  8.67E+07  1.02E+08  1.21E+08  1.30E+08  1.56E+08  8.56E-04  168
 Total    Center Ground Conc. (Bq/m2)   1.0000  1.79E+08  1.40E+08  3.26E+08  3.80E+08  5.10E+08  5.31E+08  6.19E+08  3.23E-04   91
 Ground-Level Dilution, X/Q (s/m3)      1.0000  6.88E-06  5.67E-06  1.53E-05  2.07E-05  2.59E-05    ****    2.68E-05  7.91E-03  182
 Cs-137   Adjusted Source, Q (Bq)       1.0000  8.26E+14  7.17E+14  7.61E+14  7.81E+14  8.29E+14  8.51E+14  8.99E+14  1.13E-03  781
 Plume Sigma-y (m)              1.0000  3.18E+02  2.74E+02    ****      ****      ****      ****    5.17E+02  1.27E-01    3
 Plume Sigma-z (m)              1.0000  2.18E+02  6.69E+01  1.00E+03  1.01E+03  1.03E+03  1.04E+03  1.06E+03  1.01E-03   24
 Plume Height  (m)             1.0000  5.00E+01    ****      ****      ****      ****      ****    5.00E+01  1.00E+00    1
 Plume Arrival Time (s)         1.0000  2.19E+05  2.05E+05  2.16E+05  2.21E+05    ****      ****    2.22E+05  4.68E-02   57

Source Term 1: Plume 1, at   2.1-3.2 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  3.54E+09  3.18E+09  7.74E+09  1.00E+10  1.14E+10  1.20E+10  1.36E+10  1.13E-03  516
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  3.98E+09  3.32E+09  8.38E+09  1.02E+10  1.22E+10  1.32E+10  1.55E+10  1.13E-03  516
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  3.19E+07  3.17E+07  5.98E+07  7.10E+07  9.04E+07  1.00E+08  1.26E+08  3.23E-04   91
 Total    Center Ground Conc. (Bq/m2)   1.0000  1.23E+08  1.09E+08  2.35E+08  2.81E+08  3.47E+08  3.74E+08  5.16E+08  3.23E-04   91
 Ground-Level Dilution, X/Q (s/m3)      1.0000  5.33E-06  4.00E-06  1.15E-05  1.51E-05    ****      ****    2.16E-05  2.38E-02  168
 Cs-137   Adjusted Source, Q (Bq)       1.0000  8.02E+14  7.16E+14  7.60E+14  7.80E+14  8.28E+14  8.50E+14  8.98E+14  1.13E-03  781
 Plume Sigma-y (m)              1.0000  3.94E+02  3.51E+02    ****      ****      ****      ****    7.01E+02  1.21E-01    3
 Plume Sigma-z (m)              1.0000  3.17E+02  6.79E+01  1.03E+03  1.12E+03  1.37E+03  1.50E+03  1.65E+03  2.28E-03  100
 Plume Height  (m)             1.0000  5.00E+01    ****      ****      ****      ****      ****    5.00E+01  1.00E+00    1
 Plume Arrival Time (s)         1.0000  2.20E+05  2.05E+05  2.16E+05  2.21E+05    ****      ****    2.23E+05  3.46E-02   57

Source Term 1: Plume 1, at   3.2-4.0 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  2.58E+09  2.22E+09  5.53E+09  6.97E+09  8.24E+09  8.85E+09  1.07E+10  1.13E-03  898
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  2.88E+09  2.45E+09  6.27E+09  7.40E+09  9.30E+09  1.02E+10  1.21E+10  1.13E-03  898
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  2.12E+07  2.12E+07  3.64E+07  4.12E+07  5.82E+07  7.04E+07  1.28E+08  3.71E-04  280
 Total    Center Ground Conc. (Bq/m2)   1.0000  8.28E+07  7.95E+07  1.37E+08  1.59E+08  2.22E+08  2.51E+08  5.12E+08  3.71E-04  280
 Ground-Level Dilution, X/Q (s/m3)      1.0000  4.06E-06  3.21E-06  9.37E-06  1.23E-05    ****      ****    1.70E-05  2.10E-02  280
 Cs-137   Adjusted Source, Q (Bq)       1.0000  7.78E+14  7.13E+14  7.58E+14  7.78E+14  8.27E+14  8.48E+14  8.97E+14  1.13E-03  781
 Plume Sigma-y (m)              1.0000  4.82E+02  3.64E+02  7.32E+02  8.15E+02    ****      ****    9.11E+02  2.44E-02    4
 Plume Sigma-z (m)              1.0000  4.39E+02  9.69E+01  2.03E+03  2.12E+03  2.36E+03    ****    2.39E+03  8.27E-03   54
 Plume Height  (m)             1.0000  5.00E+01    ****      ****      ****      ****      ****    5.00E+01  1.00E+00    1
 Plume Arrival Time (s)         1.0000  2.20E+05  2.05E+05  2.17E+05  2.22E+05    ****      ****    2.25E+05  3.34E-02   57

Source Term 1: Plume 1, at   4.0-4.8 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  2.05E+09  1.66E+09  4.26E+09  5.33E+09  7.47E+09  8.18E+09  9.91E+09  1.14E-03  513
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  2.26E+09  2.03E+09  4.73E+09  5.82E+09  7.80E+09  8.44E+09  1.11E+10  1.14E-03  513
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  1.58E+07  1.36E+07  2.96E+07  3.33E+07  4.33E+07  4.85E+07  9.41E+07  3.71E-04  280
 Total    Center Ground Conc. (Bq/m2)   1.0000  6.21E+07  6.33E+07  1.16E+08  1.34E+08  1.85E+08  2.17E+08  3.88E+08  3.71E-04  280
 Ground-Level Dilution, X/Q (s/m3)      1.0000  3.31E-06  2.50E-06  7.64E-06  1.00E-05  1.19E-05  1.28E-05  1.50E-05  1.14E-03  513
 Cs-137   Adjusted Source, Q (Bq)       1.0000  7.61E+14  7.11E+14  7.56E+14  7.76E+14  8.25E+14  8.47E+14  8.96E+14  1.13E-03  781
 Plume Sigma-y (m)              1.0000  5.56E+02  5.01E+02    ****      ****      ****      ****    1.08E+03  1.00E-01    3
 Plume Sigma-z (m)              1.0000  5.50E+02  9.80E+01  3.00E+03  3.01E+03  3.04E+03  3.05E+03  3.06E+03  2.29E-03   54
 Plume Height  (m)             1.0000  5.00E+01    ****      ****      ****      ****      ****    5.00E+01  1.00E+00    1
 Plume Arrival Time (s)         1.0000  2.21E+05  2.05E+05  2.18E+05  2.23E+05    ****      ****    2.27E+05  3.34E-02   57

Source Term 1: Plume 1, at   4.8-5.6 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  1.66E+09  1.31E+09  3.50E+09  4.60E+09  5.70E+09  6.09E+09  7.77E+09  1.14E-03  513
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  1.81E+09  1.42E+09  3.90E+09  5.01E+09  5.97E+09  6.43E+09  8.58E+09  1.14E-03  513
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  1.21E+07  1.07E+07  2.25E+07  2.56E+07  3.52E+07  4.06E+07  6.22E+07  3.71E-04  280
 Total    Center Ground Conc. (Bq/m2)   1.0000  4.79E+07  5.03E+07  9.19E+07  1.07E+08  1.45E+08  1.66E+08  2.61E+08  3.71E-04  280
 Ground-Level Dilution, X/Q (s/m3)      1.0000  2.73E-06  2.12E-06  6.07E-06  8.53E-06  1.09E-05  1.15E-05  1.26E-05  1.14E-03  513
 Cs-137   Adjusted Source, Q (Bq)       1.0000  7.48E+14  7.09E+14  7.54E+14  7.74E+14  8.23E+14  8.46E+14  8.95E+14  1.13E-03  781
 Plume Sigma-y (m)              1.0000  6.28E+02  5.32E+02    ****      ****      ****      ****    1.25E+03  1.09E-01    3
 Plume Sigma-z (m)              1.0000  6.66E+02  9.93E+01  3.03E+03  3.15E+03  3.46E+03  3.61E+03  3.78E+03  2.29E-03  180
 Plume Height  (m)             1.0000  5.00E+01    ****      ****      ****      ****      ****    5.00E+01  1.00E+00    1
 Plume Arrival Time (s)         1.0000  2.21E+05  2.05E+05  2.16E+05  2.22E+05    ****      ****    2.28E+05  2.10E-02  110

Source Term 1: Plume 1, at   5.6-8.1 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  1.18E+09  1.02E+09  2.53E+09  3.08E+09  3.62E+09  3.88E+09  4.51E+09  1.12E-03  866
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  1.26E+09  1.04E+09  2.72E+09  3.15E+09  3.80E+09  4.11E+09  4.89E+09  1.12E-03  866
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  7.78E+06  7.53E+06  1.36E+07  1.58E+07  2.14E+07  2.33E+07  3.38E+07  3.23E-04   91
 Total    Center Ground Conc. (Bq/m2)   1.0000  3.13E+07  3.06E+07  5.89E+07  6.86E+07  9.12E+07  1.02E+08  1.43E+08  3.23E-04   91
 Ground-Level Dilution, X/Q (s/m3)      1.0000  1.99E-06  1.35E-06  4.57E-06  6.15E-06  7.70E-06  8.11E-06  9.04E-06  1.13E-03  374
 Cs-137   Adjusted Source, Q (Bq)       1.0000  7.27E+14  7.05E+14  7.51E+14  7.71E+14  8.21E+14  8.43E+14  8.93E+14  1.13E-03  781
 Plume Sigma-y (m)              1.0000  7.68E+02  6.21E+02  1.12E+03  1.32E+03    ****      ****    1.57E+03  2.36E-02   42
 Plume Sigma-z (m)              1.0000  9.15E+02  1.92E+02  5.00E+03  5.08E+03  5.27E+03    ****    5.31E+03  6.85E-03  100
 Plume Height  (m)             1.0000  5.00E+01    ****      ****      ****      ****      ****    5.00E+01  1.00E+00    1
 Plume Arrival Time (s)         1.0000  2.22E+05  2.05E+05  2.17E+05  2.22E+05    ****      ****    2.32E+05  1.42E-02  110

Source Term 1: Plume 1, at  8.1-11.3 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  7.17E+08  5.95E+08  1.48E+09  1.91E+09  2.30E+09  2.46E+09  3.16E+09  5.99E-04  925
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  7.53E+08  6.24E+08  1.59E+09  2.03E+09  2.68E+09  3.00E+09  3.35E+09  5.99E-04  925
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  4.24E+06  3.94E+06  7.96E+06  9.34E+06  1.29E+07  1.47E+07  2.54E+07  3.71E-04  279
 Total    Center Ground Conc. (Bq/m2)   1.0000  1.74E+07  1.52E+07  3.31E+07  3.88E+07  5.35E+07  5.88E+07  1.05E+08  3.71E-04  279
 Ground-Level Dilution, X/Q (s/m3)      1.0000  1.26E-06  9.06E-07  3.04E-06  3.82E-06  5.26E-06  5.50E-06  6.05E-06  1.13E-03  374
 Cs-137   Adjusted Source, Q (Bq)       1.0000  6.99E+14  7.00E+14  7.46E+14  7.67E+14  8.17E+14  8.39E+14  8.90E+14  1.13E-03  781
 Plume Sigma-y (m)              1.0000  1.01E+03  8.17E+02  1.92E+03    ****      ****      ****    2.12E+03  8.99E-02    3
 Plume Sigma-z (m)              1.0000  1.38E+03  2.24E+02  6.64E+03  7.28E+03  8.02E+03    ****    8.21E+03  6.83E-03   50
 Plume Height  (m)             1.0000  5.00E+01    ****      ****      ****      ****      ****    5.00E+01  1.00E+00    1
 Plume Arrival Time (s)         1.0000  2.24E+05  2.05E+05  2.18E+05  2.23E+05  2.37E+05    ****    2.37E+05  9.41E-03  110

Source Term 1: Plume 1, at 11.3-16.1 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  4.14E+08  3.14E+08  9.11E+08  1.07E+09  1.34E+09  1.49E+09  1.84E+09  1.13E-03  696
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  4.28E+08  3.20E+08  9.32E+08  1.08E+09  1.38E+09  1.53E+09  1.92E+09  1.13E-03  696
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  2.26E+06  2.01E+06  4.34E+06  5.22E+06  7.20E+06  8.27E+06  1.23E+07  3.71E-04  279
 Total    Center Ground Conc. (Bq/m2)   1.0000  9.38E+06  8.15E+06  1.82E+07  2.19E+07  3.00E+07  3.43E+07  5.15E+07  3.71E-04  279
 Ground-Level Dilution, X/Q (s/m3)      1.0000  7.54E-07  5.26E-07  1.77E-06  2.31E-06  3.22E-06  3.42E-06  3.91E-06  1.14E-03  463
 Cs-137   Adjusted Source, Q (Bq)       1.0000  6.70E+14  6.60E+14  7.42E+14  7.63E+14  8.13E+14  8.35E+14  8.85E+14  1.13E-03  781
 Plume Sigma-y (m)              1.0000  1.34E+03  1.05E+03  2.50E+03    ****      ****      ****    2.87E+03  7.58E-02   23
 Plume Sigma-z (m)              1.0000  2.11E+03  3.35E+02  1.00E+04  1.06E+04  1.21E+04    ****    1.28E+04  5.07E-03  235
 Plume Height  (m)             1.0000  5.00E+01    ****      ****      ****      ****      ****    5.00E+01  1.00E+00    1
 Plume Arrival Time (s)         1.0000  2.27E+05  2.05E+05  2.16E+05  2.21E+05  2.33E+05  2.39E+05  2.45E+05  2.27E-03  314
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Source Term 1: Plume 1, at 64.4-80.5 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  2.13E+07  1.52E+07  4.15E+07  5.36E+07  7.65E+07  8.34E+07  1.09E+08  1.15E-03  591
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  2.13E+07  1.52E+07  4.15E+07  5.36E+07  7.65E+07  8.34E+07  1.09E+08  1.15E-03  591
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  1.14E+05  8.29E+04  2.28E+05  3.09E+05  4.84E+05  6.29E+05  1.21E+06  1.13E-03  120
 Total    Center Ground Conc. (Bq/m2)   1.0000  4.79E+05  3.41E+05  9.40E+05  1.21E+06  2.06E+06  2.49E+06  5.12E+06  1.13E-03  120
 Ground-Level Dilution, X/Q (s/m3)      1.0000  4.49E-08  3.23E-08  9.29E-08  1.18E-07  1.94E-07  2.25E-07  3.43E-07  1.13E-03  516
 Cs-137   Adjusted Source, Q (Bq)       1.0000  5.22E+14  5.09E+14  7.06E+14  7.23E+14  7.64E+14  7.83E+14  8.24E+14  1.13E-03  781
 Plume Sigma-y (m)                      1.0000  5.80E+03  5.23E+03  8.63E+03  1.01E+04    ****      ****    1.21E+04  1.20E-02  382
 Plume Sigma-z (m)                      1.0000  8.18E+03  1.80E+03  2.84E+04  3.26E+04  4.08E+04  4.48E+04  5.05E+04  1.13E-03    1
 Plume Height  (m)                      1.0000  5.00E+01    ****      ****      ****      ****      ****    5.00E+01  1.00E+00    1
 Plume Arrival Time (s)                 1.0000  2.60E+05  2.16E+05  2.60E+05  2.82E+05  3.10E+05  3.16E+05  3.31E+05  1.13E-03  516

Source Term 1: Plume 1, at   113-161 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  8.05E+06  6.68E+06  1.42E+07  1.84E+07  2.51E+07  2.82E+07  3.61E+07  1.15E-03  721
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  8.05E+06  6.68E+06  1.42E+07  1.84E+07  2.51E+07  2.82E+07  3.61E+07  1.15E-03  721
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  4.24E+04  2.89E+04  8.24E+04  1.17E+05  2.38E+05  3.08E+05  4.14E+05  1.15E-03  462
 Total    Center Ground Conc. (Bq/m2)   1.0000  1.81E+05  1.22E+05  3.57E+05  5.19E+05  1.04E+06  1.22E+06  1.73E+06  1.15E-03  462
 Ground-Level Dilution, X/Q (s/m3)      1.0000  1.95E-08  1.45E-08  3.57E-08  4.64E-08  7.14E-08  7.94E-08  1.02E-07  1.12E-03  549
 Cs-137   Adjusted Source, Q (Bq)       1.0000  4.48E+14  4.16E+14  5.84E+14  6.34E+14  7.12E+14  7.23E+14  7.46E+14  1.13E-03  781
 Plume Sigma-y (m)                      1.0000  1.00E+04  9.17E+03  1.29E+04  1.46E+04  1.95E+04    ****    2.10E+04  7.44E-03  382
 Plume Sigma-z (m)                      1.0000  9.89E+03  2.66E+03  3.14E+04  3.75E+04  5.07E+04  5.17E+04  5.39E+04  1.14E-03  140
 Plume Height  (m)                      1.0000  5.00E+01    ****      ****      ****      ****      ****    5.00E+01  1.00E+00    1
 Plume Arrival Time (s)                 1.0000  2.94E+05  2.73E+05  3.22E+05  3.33E+05  3.61E+05  3.73E+05  4.02E+05  1.14E-03  514

  "ATMOS"  DESCRIPTION = OCP2 high density no spray
  "EARLY"  DESCRIPTION = OCP2 high density no spray, EARLY input
  "CHRONC" DESCRIPTION = OCP2 high density no spray, EARLY input

SOURCE TERM  1 OF  1:
   OCP2 high density no spray

OVERALL RESULTS OBTAINED BY COMBINING12 EMERGENCY RESPONSE COHORTS FROM "EARLY" WITH THE WEIGHTING FRACTIONS BELOW APPLIED TO THEM:

                                                FRACTION OF THE SUMPOP
                                                ------
   COHORT 1 = 0-10 Schools                                    0.000

   COHORT 2 = 0-10 Early Evacuees                                0.000

   COHORT 3 = 0-10 Public                                    0.000

   COHORT 4 = 10-20 Shadow                                     0.000

   COHORT 5 = 0-10 Special Facilities                            0.000

   COHORT 6 = 0-10 Evacuation Tail                               0.000

   COHORT 7 = 10-30 Public                                   0.000

   COHORT 8 = 10-30 Special Facilities                           0.000

   COHORT 9 = 30-40 Shadow                                     0.000

   COHORT10 = 10-30 Tail                                     0.000

   COHORT11 = 30-40 Shelter in Place                             0.000

   COHORT12 = Nonevacuees                                      0.000

AND THEN MERGING THE12 RESULTS ABOVE WITH THE SINGLE SET OF RESULTS FROM "CHRONC" DESCRIBED BELOW:

   COHORT13 = OCP2 high density no spray, EARLY input

RESULTS WHICH ARE PRODUCED ONLY BY "EARLY" OR ONLY BY "CHRONC" ARE PRESENTED IN LATER SECTIONS.

                              PROB                    QUANTILES                    PEAK     PEAK  PEAK
                            NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS CASES
 ERL FAT/TOTAL            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL            0-16.1 km  1.0000  9.04E+01  7.83E+01  1.48E+02  1.86E+02  2.52E+02  2.83E+02  3.28E+02  1.14E-03  288
 CAN INJ/TOTAL            0-32.2 km  1.0000  1.58E+02  1.26E+02  2.57E+02  3.06E+02  3.54E+02  3.77E+02  5.98E+02  1.14E-04   14
 CAN INJ/TOTAL            0-48.3 km  1.0000  2.06E+02  1.81E+02  3.22E+02  3.70E+02  5.04E+02  5.30E+02  7.16E+02  1.14E-04   14
 CAN INJ/TOTAL            0-64.4 km  1.0000  3.01E+02  2.49E+02  4.94E+02  6.21E+02  1.03E+03  1.19E+03  1.63E+03  1.13E-03  714
 CAN INJ/TOTAL            0-80.5 km  1.0000  3.92E+02  3.27E+02  6.66E+02  8.26E+02  1.24E+03  1.44E+03  2.08E+03  1.13E-03  714
 CAN INJ/TOTAL             0-161 km  1.0000  6.89E+02  5.60E+02  1.21E+03  1.61E+03  2.53E+03  2.94E+03  4.78E+03  1.13E-03  117
 CAN INJ/TOTAL             0-322 km  1.0000  1.27E+03  1.02E+03  2.31E+03  2.94E+03  4.29E+03  5.06E+03  9.09E+03  1.14E-03  576
 CAN INJ/TOTAL             0-805 km  1.0000  3.66E+03  1.89E+03  9.09E+03  1.27E+04  2.23E+04  2.56E+04  3.24E+04  1.14E-03  393
 CAN INJ/TOTAL            0-1609 km  1.0000  4.55E+03  2.09E+03  1.05E+04  1.58E+04  3.92E+04  5.30E+04  8.08E+04  1.13E-03  396
 CAN FAT/TOTAL            0-16.1 km  1.0000  3.97E+01  3.36E+01  6.85E+01  8.05E+01  1.08E+02  1.19E+02  1.44E+02  1.14E-03  288
 CAN FAT/TOTAL            0-32.2 km  1.0000  6.85E+01  6.04E+01  1.06E+02  1.18E+02  1.50E+02  1.67E+02  2.61E+02  1.14E-04   14
 CAN FAT/TOTAL            0-48.3 km  1.0000  8.94E+01  7.89E+01  1.31E+02  1.55E+02  2.09E+02  2.21E+02  3.12E+02  1.14E-04   14
 CAN FAT/TOTAL            0-64.4 km  1.0000  1.31E+02  1.09E+02  2.20E+02  2.73E+02  4.45E+02  5.30E+02  7.06E+02  1.13E-03  714
 CAN FAT/TOTAL            0-80.5 km  1.0000  1.70E+02  1.36E+02  2.87E+02  3.53E+02  5.59E+02  6.80E+02  9.04E+02  1.13E-03  714
 CAN FAT/TOTAL             0-161 km  1.0000  2.97E+02  2.37E+02  5.31E+02  7.16E+02  1.06E+03  1.43E+03  2.09E+03  1.13E-03  117
 CAN FAT/TOTAL             0-322 km  1.0000  5.42E+02  4.27E+02  1.00E+03  1.19E+03  1.78E+03  2.19E+03  3.96E+03  1.14E-03  576
 CAN FAT/TOTAL             0-805 km  1.0000  1.55E+03  8.03E+02  3.78E+03  5.55E+03  9.05E+03  1.06E+04  1.36E+04  1.14E-03  393
 CAN FAT/TOTAL            0-1609 km  1.0000  1.92E+03  8.82E+02  4.52E+03  6.71E+03  1.60E+04  2.14E+04  3.40E+04  1.13E-03  396
 CAN FAT/THYROID          0-16.1 km  1.0000  2.09E-01  1.74E-01  3.50E-01  4.31E-01  5.95E-01  6.63E-01  7.45E-01  1.14E-04   14
 CAN FAT/THYROID          0-80.5 km  1.0000  1.28E+00  1.01E+00  2.39E+00  3.12E+00  4.83E+00  6.10E+00  8.36E+00  1.11E-03  828
 CAN FAT/THYROID           0-161 km  1.0000  2.42E+00  1.71E+00  4.49E+00  6.50E+00  1.21E+01  1.53E+01  2.56E+01  1.15E-03  711
 CAN FAT/THYROID          0-1609 km  1.0000  1.35E+01  6.37E+00  3.17E+01  4.84E+01  1.08E+02  1.31E+02  2.17E+02  1.13E-03  396
 CAN FAT/BREAST           0-16.1 km  1.0000  2.71E+00  2.32E+00  4.76E+00  5.59E+00  7.21E+00  7.54E+00  9.64E+00  1.14E-04   14
 CAN FAT/BREAST           0-80.5 km  1.0000  1.31E+01  1.08E+01  2.23E+01  2.83E+01  4.49E+01  5.30E+01  7.65E+01  1.13E-03  714
 CAN FAT/BREAST            0-161 km  1.0000  2.29E+01  1.77E+01  4.08E+01  5.57E+01  8.53E+01  9.80E+01  1.89E+02  1.13E-03  117
 CAN FAT/BREAST           0-1609 km  1.0000  1.37E+02  6.44E+01  3.15E+02  4.65E+02  1.08E+03  1.31E+03  2.32E+03  1.13E-03  396
 CAN FAT/LUNG             0-16.1 km  1.0000  6.10E+00  5.31E+00  1.05E+01  1.21E+01  1.70E+01  1.97E+01  2.19E+01  1.14E-04   14
 CAN FAT/LUNG             0-80.5 km  1.0000  2.98E+01  2.42E+01  5.25E+01  6.62E+01  1.04E+02  1.21E+02  1.67E+02  1.13E-03  714
 CAN FAT/LUNG              0-161 km  1.0000  5.30E+01  3.98E+01  9.78E+01  1.24E+02  2.11E+02  2.65E+02  4.29E+02  1.15E-03  711
 CAN FAT/LUNG             0-1609 km  1.0000  3.08E+02  1.45E+02  7.17E+02  1.09E+03  2.47E+03  3.27E+03  5.24E+03  1.13E-03  396
 CAN FAT/LEUKEMIA         0-1609 km  1.0000  1.82E+02  8.54E+01  4.22E+02  6.25E+02  1.33E+03  1.90E+03  3.15E+03  1.13E-03  396
 CAN FAT/BONE             0-1609 km  1.0000  3.54E+00  1.70E+00  8.13E+00  1.21E+01  3.05E+01  3.57E+01  5.89E+01  1.13E-03  396
 CAN FAT/LIVER            0-1609 km  1.0000  4.94E+01  2.26E+01  1.12E+02  1.68E+02  4.00E+02  5.30E+02  8.54E+02  1.13E-03  396
 CAN FAT/COLON            0-1609 km  1.0000  4.04E+02  1.81E+02  9.60E+02  1.38E+03  3.51E+03  4.78E+03  7.19E+03  1.13E-03  396
 CAN FAT/RESIDUAL         0-1609 km  1.0000  8.40E+02  3.70E+02  1.96E+03  3.03E+03  7.66E+03  9.67E+03  1.50E+04  1.13E-03  396

                              PROB                    QUANTILES                    PEAK     PEAK  PEAK
                            NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS LNT ADJ. POP. DOSE (Sv)
 ICRP60ED    INJ          0-16.1 km  1.0000  1.07E+03  1.01E+03  1.52E+03  1.81E+03  2.17E+03  2.27E+03  2.91E+03  1.14E-04   14
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 ICRP60ED   INJ          0-32.2 km  1.0000  5.66E+03  5.32E+03  8.68E+03  1.00E+04  1.19E+04  1.28E+04  1.51E+04  1.14E-03   50
 ICRP60ED   INJ          0-48.3 km  1.0000  1.35E+04  1.16E+04  2.09E+04  2.27E+04  2.76E+04  3.00E+04  3.42E+04  1.14E-03  944
 ICRP60ED   INJ          0-64.4 km  1.0000  2.77E+04  2.38E+04  4.88E+04  5.62E+04  7.25E+04  7.71E+04  8.77E+04  1.13E-03  714
 ICRP60ED   INJ          0-80.5 km  1.0000  4.08E+04  3.60E+04  6.88E+04  7.59E+04  9.31E+04  1.01E+05  1.12E+05  1.12E-03  391
 ICRP60ED   INJ          0-161 km  1.0000  1.17E+05  1.02E+05  2.11E+05  2.32E+05  2.90E+05  3.16E+05  3.77E+05  1.11E-03  103
 ICRP60ED   INJ          0-322 km  1.0000  2.59E+05  1.73E+05  5.88E+05  7.05E+05  8.06E+05  8.54E+05  9.65E+05  1.14E-03  547
 ICRP60ED   INJ          0-805 km  1.0000  3.69E+05  2.98E+05  7.57E+05  8.52E+05  1.05E+06  1.11E+06  1.26E+06  1.11E-03  139
 ICRP60ED   INJ          0-1609 km  1.0000  3.97E+05  3.27E+05  7.95E+05  9.18E+05  1.13E+06  1.20E+06  1.39E+06  1.13E-03  396
 ICRP60ED   FAT          0-16.1 km  1.0000  1.07E+03  1.01E+03  1.52E+03  1.81E+03  2.17E+03  2.27E+03  2.91E+03  1.14E-04   14
 ICRP60ED   FAT          0-32.2 km  1.0000  5.66E+03  5.32E+03  8.68E+03  1.00E+04  1.19E+04  1.28E+04  1.51E+04  1.14E-03   50
 ICRP60ED   FAT          0-48.3 km  1.0000  1.35E+04  1.16E+04  2.09E+04  2.27E+04  2.76E+04  3.00E+04  3.42E+04  1.14E-03  944
 ICRP60ED   FAT          0-64.4 km  1.0000  2.77E+04  2.38E+04  4.88E+04  5.62E+04  7.25E+04  7.71E+04  8.77E+04  1.13E-03  714
 ICRP60ED   FAT          0-80.5 km  1.0000  4.08E+04  3.60E+04  6.88E+04  7.59E+04  9.31E+04  1.01E+05  1.12E+05  1.12E-03  391
 ICRP60ED   FAT          0-161 km  1.0000  1.17E+05  1.02E+05  2.11E+05  2.32E+05  2.90E+05  3.16E+05  3.77E+05  1.11E-03  103
 ICRP60ED   FAT          0-322 km  1.0000  2.59E+05  1.73E+05  5.88E+05  7.05E+05  8.06E+05  8.54E+05  9.65E+05  1.14E-03  547
 ICRP60ED   FAT          0-805 km  1.0000  3.69E+05  2.98E+05  7.57E+05  8.52E+05  1.05E+06  1.11E+06  1.26E+06  1.11E-03  139
 ICRP60ED   FAT          0-1609 km  1.0000  3.97E+05  3.27E+05  7.95E+05  9.18E+05  1.13E+06  1.20E+06  1.39E+06  1.13E-03  396
 L-THYROID  FAT          0-16.1 km  1.0000  9.93E+02  9.15E+02  1.39E+03  1.63E+03  2.08E+03  2.17E+03  2.71E+03  1.14E-04   14
 L-THYROID  FAT          0-80.5 km  1.0000  4.25E+04  3.73E+04  7.13E+04  8.02E+04  1.02E+05  1.07E+05  1.18E+05  1.13E-03  908
 L-THYROID  FAT          0-161 km  1.0000  1.23E+05  1.04E+05  2.18E+05  2.44E+05  3.10E+05  3.33E+05  3.90E+05  1.11E-03  103
 L-THYROID  FAT          0-1609 km  1.0000  4.17E+05  3.36E+05  8.33E+05  9.90E+05  1.19E+06  1.28E+06  1.51E+06  1.13E-03  396
 L-BREAST   FAT          0-16.1 km  1.0000  8.78E+02  8.00E+02  1.22E+03  1.36E+03  1.77E+03  1.99E+03  2.31E+03  1.14E-04   14
 L-BREAST   FAT          0-80.5 km  1.0000  3.99E+04  3.55E+04  6.84E+04  7.53E+04  9.11E+04  9.88E+04  1.10E+05  1.13E-03  714
 L-BREAST   FAT          0-161 km  1.0000  1.15E+05  1.02E+05  2.09E+05  2.30E+05  2.85E+05  3.12E+05  3.78E+05  1.11E-03  103
 L-BREAST   FAT          0-1609 km  1.0000  3.85E+05  3.19E+05  7.80E+05  8.95E+05  1.07E+06  1.12E+06  1.22E+06  1.13E-03  396
 L-LUNGS    FAT          0-16.1 km  1.0000  9.48E+02  8.69E+02  1.34E+03  1.55E+03  2.04E+03  2.12E+03  2.60E+03  1.14E-04   14
 L-LUNGS    FAT          0-80.5 km  1.0000  3.90E+04  3.49E+04  6.53E+04  7.37E+04  8.84E+04  9.57E+04  1.07E+05  1.13E-03  714
 L-LUNGS    FAT          0-161 km  1.0000  1.12E+05  1.01E+05  2.06E+05  2.25E+05  2.78E+05  3.04E+05  3.64E+05  1.11E-03  103
 L-LUNGS    FAT          0-1609 km  1.0000  3.80E+05  3.15E+05  7.71E+05  8.86E+05  1.09E+06  1.15E+06  1.29E+06  1.13E-03  396
 L-RED MARR  FAT          0-1609 km  1.0000  3.99E+05  3.27E+05  7.89E+05  9.12E+05  1.14E+06  1.23E+06  1.45E+06  1.13E-03  396
 L-BONE SUR  FAT          0-1609 km  1.0000  5.70E+05  4.91E+05  1.08E+06  1.18E+06  1.45E+06  1.58E+06  1.91E+06  1.13E-03  396
 L-LIVER    FAT          0-1609 km  1.0000  3.64E+05  3.07E+05  7.41E+05  8.45E+05  1.07E+06  1.14E+06  1.32E+06  1.13E-03  396
 L-LOWER LI  FAT          0-1609 km  1.0000  3.83E+05  3.17E+05  7.67E+05  8.92E+05  1.14E+06  1.25E+06  1.50E+06  1.13E-03  396
 L-BLAD WAL  FAT          0-1609 km  1.0000  3.44E+05  2.89E+05  7.11E+05  7.93E+05  1.02E+06  1.11E+06  1.33E+06  1.13E-03  396

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                         NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS USED ADJ. POP. DOSE (Sv)
 ICRP60ED   INJ          0-16.1 km  1.0000  6.81E+02  5.87E+02  1.13E+03  1.34E+03  2.00E+03  2.06E+03  2.42E+03  1.14E-04   14
 ICRP60ED   INJ          0-32.2 km  1.0000  1.19E+03  1.04E+03  1.97E+03  2.25E+03  3.00E+03  3.19E+03  4.48E+03  1.14E-04   14
 ICRP60ED   INJ          0-48.3 km  1.0000  1.57E+03  1.29E+03  2.45E+03  2.92E+03  3.41E+03  3.62E+03  5.39E+03  1.14E-04   14
 ICRP60ED   INJ          0-64.4 km  1.0000  2.32E+03  2.01E+03  3.83E+03  4.83E+03  7.93E+03  9.72E+03  1.29E+04  1.13E-03  714
 ICRP60ED   INJ          0-80.5 km  1.0000  3.03E+03  2.50E+03  5.13E+03  6.53E+03  9.98E+03  1.17E+04  1.66E+04  1.13E-03  714
 ICRP60ED   INJ          0-161 km  1.0000  5.32E+03  4.12E+03  9.75E+03  1.20E+04  1.88E+04  2.51E+04  3.90E+04  1.13E-03  117
 ICRP60ED   INJ          0-322 km  1.0000  9.54E+03  7.70E+03  1.69E+04  2.18E+04  3.43E+04  4.09E+04  7.33E+04  1.14E-03  576
 ICRP60ED   INJ          0-805 km  1.0000  2.67E+04  1.37E+04  6.46E+04  9.85E+04  1.51E+05  1.81E+05  2.33E+05  1.14E-03  393
 ICRP60ED   INJ          0-1609 km  1.0000  3.39E+04  1.50E+04  8.02E+04  1.21E+05  3.01E+05  3.54E+05  5.78E+05  1.13E-03  396
 ICRP60ED   FAT          0-16.1 km  1.0000  6.81E+02  5.87E+02  1.13E+03  1.34E+03  2.00E+03  2.06E+03  2.42E+03  1.14E-04   14
 ICRP60ED   FAT          0-32.2 km  1.0000  1.19E+03  1.04E+03  1.97E+03  2.25E+03  3.00E+03  3.19E+03  4.48E+03  1.14E-04   14
 ICRP60ED   FAT          0-48.3 km  1.0000  1.57E+03  1.29E+03  2.45E+03  2.92E+03  3.41E+03  3.62E+03  5.39E+03  1.14E-04   14
 ICRP60ED   FAT          0-64.4 km  1.0000  2.32E+03  2.01E+03  3.83E+03  4.83E+03  7.93E+03  9.72E+03  1.29E+04  1.13E-03  714
 ICRP60ED   FAT          0-80.5 km  1.0000  3.03E+03  2.50E+03  5.13E+03  6.53E+03  9.98E+03  1.17E+04  1.66E+04  1.13E-03  714
 ICRP60ED   FAT          0-161 km  1.0000  5.32E+03  4.12E+03  9.75E+03  1.20E+04  1.88E+04  2.51E+04  3.90E+04  1.13E-03  117
 ICRP60ED   FAT          0-322 km  1.0000  9.54E+03  7.70E+03  1.69E+04  2.18E+04  3.43E+04  4.09E+04  7.33E+04  1.14E-03  576
 ICRP60ED   FAT          0-805 km  1.0000  2.67E+04  1.37E+04  6.46E+04  9.85E+04  1.51E+05  1.81E+05  2.33E+05  1.14E-03  393
 ICRP60ED   FAT          0-1609 km  1.0000  3.39E+04  1.50E+04  8.02E+04  1.21E+05  3.01E+05  3.54E+05  5.78E+05  1.13E-03  396
 L-THYROID  FAT          0-16.1 km  1.0000  6.46E+02  5.59E+02  1.08E+03  1.27E+03  1.84E+03  2.02E+03  2.30E+03  1.14E-04   14
 L-THYROID  FAT          0-80.5 km  1.0000  3.95E+03  3.14E+03  7.39E+03  9.78E+03  1.50E+04  1.81E+04  2.58E+04  1.11E-03  828
 L-THYROID  FAT          0-161 km  1.0000  7.46E+03  5.49E+03  1.36E+04  2.00E+04  3.49E+04  4.13E+04  7.91E+04  1.15E-03  711
 L-THYROID  FAT          0-1609 km  1.0000  4.18E+04  1.97E+04  9.94E+04  1.42E+05  3.41E+05  4.77E+05  6.69E+05  1.13E-03  396
 L-BREAST   FAT          0-16.1 km  1.0000  5.35E+02  4.60E+02  9.35E+02  1.05E+03  1.23E+03  1.32E+03  1.90E+03  1.14E-04   14
 L-BREAST   FAT          0-80.5 km  1.0000  2.58E+03  2.16E+03  4.39E+03  5.59E+03  9.00E+03  1.07E+04  1.51E+04  1.13E-03  714
 L-BREAST   FAT          0-161 km  1.0000  4.52E+03  3.48E+03  8.03E+03  1.07E+04  1.63E+04  1.95E+04  3.74E+04  1.13E-03  117
 L-BREAST   FAT          0-1609 km  1.0000  2.73E+04  1.25E+04  6.40E+04  9.48E+04  2.22E+05  2.89E+05  4.59E+05  1.13E-03  396
 L-LUNGS    FAT          0-16.1 km  1.0000  6.16E+02  5.35E+02  1.05E+03  1.21E+03  1.70E+03  1.97E+03  2.21E+03  1.14E-04   14
 L-LUNGS    FAT          0-80.5 km  1.0000  3.01E+03  2.43E+03  5.29E+03  6.68E+03  1.05E+04  1.22E+04  1.69E+04  1.13E-03  714
 L-LUNGS    FAT          0-161 km  1.0000  5.35E+03  4.04E+03  9.92E+03  1.25E+04  2.11E+04  2.65E+04  4.34E+04  1.15E-03  711
 L-LUNGS    FAT          0-1609 km  1.0000  3.16E+04  1.46E+04  7.29E+04  1.09E+05  2.60E+05  3.39E+05  5.30E+05  1.13E-03  396
 L-RED MARR  FAT          0-1609 km  1.0000  3.31E+04  1.48E+04  7.65E+04  1.16E+05  3.01E+05  3.54E+05  5.67E+05  1.13E-03  396
 L-BONE SUR  FAT          0-1609 km  1.0000  3.72E+04  1.79E+04  8.64E+04  1.25E+05  3.17E+05  3.67E+05  6.20E+05  1.13E-03  396
 L-LIVER    FAT          0-1609 km  1.0000  3.30E+04  1.43E+04  7.71E+04  1.17E+05  3.01E+05  3.54E+05  5.70E+05  1.13E-03  396
 L-LOWER LI  FAT          0-1609 km  1.0000  3.95E+04  1.73E+04  9.66E+04  1.38E+05  3.41E+05  4.77E+05  6.92E+05  1.13E-03  396
 L-BLAD WAL  FAT          0-1609 km  1.0000  3.48E+04  1.49E+04  8.35E+04  1.25E+05  3.17E+05  3.67E+05  6.07E+05  1.13E-03  396

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                         NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
EARLY FATALITY DISTANCE (km)
 ERL FAT/TOTAL RISK > 0.000          0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                         NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
POPULATION EXCEEDING DOSE
 EARLY dose A-RED MARR > 2.32 Sv     0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-LUNGS > 13.6 Sv        0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-STOMACH > 6.50 Sv      0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                         NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
POPULATION DOSE (Sv)
 L-ICRP60ED  TOT LIF      0-16.1 km  1.0000  2.77E+03  2.47E+03  3.76E+03  4.32E+03  5.42E+03  5.78E+03  7.66E+03  3.71E-04   89
 L-ICRP60ED  TOT LIF      0-80.5 km  1.0000  4.22E+04  3.70E+04  6.97E+04  7.66E+04  9.50E+04  1.02E+05  1.14E+05  1.13E-03  714
 L-ICRP60ED  TOT LIF      0-161 km  1.0000  1.17E+05  1.02E+05  2.10E+05  2.30E+05  2.85E+05  3.11E+05  3.73E+05  1.11E-03  103
 L-ICRP60ED  TOT LIF      0-1609 km  1.0000  4.01E+05  3.27E+05  7.87E+05  9.03E+05  1.11E+06  1.19E+06  1.37E+06  1.13E-03  396

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                         NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
POPULATION WEIGHTED RISK
 CAN FAT/TOTAL            0-16.1 km  1.0000  3.72E-07  2.86E-07  7.42E-07  9.39E-07  1.56E-06  1.94E-06  5.15E-06  1.14E-03  461
 CAN FAT/TOTAL            0-32.2 km  1.0000  2.19E-07  1.70E-07  4.08E-07  5.22E-07  7.59E-07  8.29E-07  1.04E-06  1.14E-03  345
 CAN FAT/TOTAL            0-48.3 km  1.0000  1.41E-07  1.09E-07  2.65E-07  3.34E-07  5.17E-07  5.69E-07  7.04E-07  1.14E-03  345
 CAN FAT/TOTAL            0-64.4 km  1.0000  1.74E-06  1.30E-07  5.28E-06  7.97E-06  2.11E-05  2.81E-05  4.67E-05  1.15E-03  645
 CAN FAT/TOTAL            0-80.5 km  1.0000  2.45E-06  3.00E-07  7.67E-06  1.09E-05  2.12E-05  2.81E-05  5.69E-05  1.11E-03  828
 CAN FAT/TOTAL            0-161 km  1.0000  1.50E-06  2.03E-07  3.46E-06  6.59E-06  2.02E-05  2.61E-05  5.26E-05  1.14E-03  576
 CAN FAT/TOTAL            0-322 km  1.0000  6.01E-07  8.08E-08  1.39E-06  2.73E-06  7.95E-06  1.06E-05  2.06E-05  1.14E-03  576
 CAN FAT/TOTAL            0-805 km  1.0000  2.67E-07  3.50E-08  6.44E-07  1.19E-06  3.36E-06  4.35E-06  9.15E-06  2.29E-03  576
 CAN FAT/TOTAL            0-1609 km  1.0000  1.51E-07  2.04E-08  3.43E-07  6.71E-07  1.90E-06  2.57E-06  5.16E-06  1.14E-03  576
 CAN FAT/TOTAL           16.1-32.2 km  0.9932  2.03E-07  1.44E-08  4.20E-07  5.41E-07  8.45E-07  1.01E-06  1.14E-06  1.14E-03  345
 CAN FAT/TOTAL           32.2-48.3 km  0.9519  1.02E-07  7.15E-08  2.37E-07  3.09E-07  4.56E-07  5.19E-07  6.18E-07  1.13E-03  556
 CAN FAT/TOTAL           48.3-64.4 km  0.6969  2.81E-06  6.59E-08  8.77E-06  1.33E-05  3.34E-05  4.63E-05  7.78E-05  1.15E-03  645
 CAN FAT/TOTAL           64.4-80.5 km  0.4159  3.68E-06  0.00E+00  1.27E-05  1.99E-05  3.66E-05  4.47E-05  7.56E-05  1.11E-03  828
 CAN FAT/TOTAL           80.5-161 km  0.2465  1.12E-06  0.00E+00  1.74E-06  5.66E-06  2.21E-05  3.47E-05  6.87E-05  1.14E-03  576
 CAN FAT/TOTAL           161-322 km  0.0060  2.02E-08  0.00E+00  0.00E+00  0.00E+00  0.00E+00  7.35E-07  7.94E-06  1.14E-03  546
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 CAN FAT/TOTAL          322-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          805-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                         PROB                    QUANTILES                    PEAK     PEAK  PEAK
                       NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ     PROB  TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)
 L-ICRP60ED             0-0.2 km  1.0000  1.58E+00  1.27E+00  2.69E+00  3.27E+00  4.51E+00  5.19E+00  7.06E+00  1.14E-03  315
 L-ICRP60ED             0.2-0.5 km  1.0000  7.11E-01  6.03E-01  1.13E+00  1.39E+00  2.07E+00  2.21E+00  2.61E+00  8.56E-04  202
 L-ICRP60ED             0.5-1.2 km  1.0000  4.26E-01  3.57E-01  7.21E-01  1.00E+00  1.19E+00  1.29E+00  1.51E+00  1.13E-03  652
 L-ICRP60ED             1.2-1.6 km  1.0000  3.13E-01  2.68E-01  5.27E-01  7.10E-01  9.45E-01  1.03E+00  1.16E+00  1.13E-03  652
 L-ICRP60ED             1.6-2.1 km  1.0000  2.63E-01  2.23E-01  4.51E-01  5.70E-01  7.81E-01  8.45E-01  1.03E+00  1.13E-03  358
 L-ICRP60ED             2.1-3.2 km  1.0000  2.38E-01  2.11E-01  3.91E-01  4.85E-01  6.27E-01  6.95E-01  8.15E-01  1.13E-03  358
 L-ICRP60ED             3.2-4.0 km  1.0000  1.93E-01  1.64E-01  3.01E-01  3.50E-01  4.93E-01  5.26E-01  5.94E-01  1.13E-03  374
 L-ICRP60ED             4.0-4.8 km  1.0000  1.76E-01  1.47E-01  2.55E-01  2.95E-01  3.69E-01  4.05E-01  4.94E-01  1.13E-03  374
 L-ICRP60ED             4.8-5.6 km  1.0000  1.59E-01  1.31E-01  2.29E-01  2.57E-01  3.32E-01  3.70E-01  4.65E-01  1.13E-03  374
 L-ICRP60ED             5.6-8.1 km  1.0000  1.23E-01  1.08E-01  1.64E-01  1.96E-01  2.54E-01  2.83E-01  4.57E-01  5.99E-04  683
 L-ICRP60ED             8.1-11.3 km  1.0000  1.00E-01  9.57E-02  1.31E-01  1.48E-01  1.97E-01  2.69E-01  4.09E-01  1.14E-03  461
 L-ICRP60ED             11.3-16.1 km  1.0000  9.56E-02  9.04E-02  1.22E-01  1.35E-01  1.71E-01  1.89E-01  2.17E-01  1.14E-03  921
 L-ICRP60ED             16.1-20.9 km  1.0000  9.37E-02  8.75E-02  1.16E-01  1.26E-01  1.54E-01  1.67E-01  2.04E-01  1.14E-03  605
 L-ICRP60ED             20.9-25.8 km  1.0000  9.26E-02  8.58E-02  1.15E-01  1.25E-01  1.53E-01  1.67E-01  2.15E-01  1.14E-03  315
 L-ICRP60ED             25.8-32.2 km  1.0000  8.87E-02  8.18E-02  1.04E-01  1.06E-01  1.13E-01  1.16E-01  1.23E-01  1.13E-03  283
 L-ICRP60ED             32.2-40.2 km  1.0000  8.19E-02  7.58E-02  1.01E-01  1.03E-01  1.07E-01  1.09E-01  1.13E-01  1.14E-03  156
 L-ICRP60ED             40.2-48.3 km  1.0000  7.49E-02  7.14E-02  9.29E-02  1.01E-01  1.05E-01  1.07E-01  1.12E-01  1.14E-03  243
 L-ICRP60ED             48.3-64.4 km  1.0000  6.50E-02  5.98E-02  7.65E-02  8.10E-02  9.25E-02  9.79E-02  1.11E-01  1.14E-03  514
 L-ICRP60ED             64.4-80.5 km  1.0000  5.92E-02  5.51E-02  7.30E-02  7.83E-02  9.23E-02  9.90E-02  1.09E-01  1.13E-03  516
 L-ICRP60ED             80.5-113 km  1.0000  5.39E-02  5.19E-02  6.51E-02  7.08E-02  7.79E-02  8.13E-02  8.87E-02  1.15E-03  462
 L-ICRP60ED             113-161 km  1.0000  4.90E-02  4.55E-02  5.82E-02  6.26E-02  7.13E-02  7.29E-02  8.07E-02  2.38E-04   86
 L-ICRP60ED             161-241 km  1.0000  4.36E-02  3.64E-02  5.23E-02  5.52E-02  6.25E-02  6.59E-02  7.04E-02  1.13E-03  460
 L-ICRP60ED             241-322 km  1.0000  3.83E-02  3.32E-02  4.68E-02  5.09E-02  5.46E-02  5.63E-02  6.01E-02  1.14E-03  289
 L-ICRP60ED             322-563 km  1.0000  3.01E-02  3.03E-02  3.69E-02  4.02E-02  4.91E-02  5.08E-02  5.29E-02  1.14E-03  514
 L-ICRP60ED             563-805 km  1.0000  2.31E-02  2.08E-02  3.36E-02  3.57E-02  4.12E-02  4.38E-02  5.02E-02  1.14E-03  344
 L-ICRP60ED             805-1609 km  1.0000  5.81E-03  2.54E-03  1.55E-02  2.06E-02  2.76E-02  3.09E-02  4.53E-02  3.04E-04  632

                         PROB                    QUANTILES                    PEAK     PEAK  PEAK
                       NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ     PROB  TRIAL
DOSE FOUND AT ALL LOCATIONS (Sv)

                         PROB                    QUANTILES                    PEAK     PEAK  PEAK
                       NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ     PROB  TRIAL
GROUND CONC. (Bq/m2)
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  3.70E+04 Bq/m2   1.0000  2.33E+04  2.15E+04  3.45E+04  3.89E+04  5.07E+04  5.48E+04  6.46E+04  1.15E-03  911
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  1.85E+05 Bq/m2   1.0000  2.29E+04  2.13E+04  3.37E+04  3.73E+04  4.73E+04  5.21E+04  6.35E+04  1.15E-03  911
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  5.55E+05 Bq/m2   1.0000  2.23E+04  2.09E+04  3.29E+04  3.62E+04  4.50E+04  4.94E+04  5.86E+04  1.15E-03  911
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  1.48E+06 Bq/m2   1.0000  2.13E+04  2.02E+04  3.20E+04  3.51E+04  4.34E+04  4.76E+04  5.29E+04  1.14E-03  930
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  3.70E+04 Bq/m2   1.0000  5.14E+05  4.89E+05  7.78E+05  8.79E+05  1.08E+06  1.16E+06  1.32E+06  1.15E-03  911
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  1.85E+05 Bq/m2   1.0000  4.66E+05  4.27E+05  7.07E+05  7.82E+05  9.87E+05  1.04E+06  1.14E+06  1.15E-03  907
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  5.55E+05 Bq/m2   1.0000  4.15E+05  3.68E+05  6.18E+05  7.04E+05  8.18E+05  8.72E+05  1.01E+06  1.14E-03  906
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  1.48E+06 Bq/m2   1.0000  3.47E+05  3.17E+05  5.17E+05  5.72E+05  7.10E+05  7.43E+05  8.17E+05  1.14E-03  944
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  3.70E+04 Bq/m2   1.0000  1.83E+06  1.61E+06  2.71E+06  3.07E+06  3.60E+06  3.86E+06  4.46E+06  1.15E-03  911
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  1.85E+05 Bq/m2   1.0000  1.56E+06  1.30E+06  2.27E+06  2.53E+06  3.12E+06  3.31E+06  3.76E+06  1.14E-03  983
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  5.55E+05 Bq/m2   1.0000  1.25E+06  1.09E+06  1.79E+06  2.07E+06  2.42E+06  2.59E+06  3.25E+06  1.11E-03  139
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  1.48E+06 Bq/m2   1.0000  8.83E+05  7.98E+05  1.19E+06  1.33E+06  1.70E+06  1.89E+06  2.42E+06  1.11E-03  139
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  3.70E+04 Bq/m2   1.0000  1.79E+07  1.43E+07  3.36E+07  3.88E+07  5.18E+07  5.52E+07  6.32E+07  1.13E-03  261
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  1.85E+05 Bq/m2   1.0000  9.79E+06  8.05E+06  2.01E+07  2.30E+07  3.08E+07  3.33E+07  3.94E+07  1.14E-03  901
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  5.55E+05 Bq/m2   1.0000  4.52E+06  3.59E+06  8.78E+06  1.04E+07  1.27E+07  1.39E+07  1.67E+07  1.14E-03  110
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  1.48E+06 Bq/m2   1.0000  1.73E+06  1.33E+06  3.11E+06  3.57E+06  4.93E+06  5.31E+06  6.12E+06  1.14E-03  383

 **** Indicates that the value is outside resolution of the analysis.
 Optionally increase number of trials for better resolution.

 "ATMOS"  DESCRIPTION = OCP2 high density no spray
 "EARLY"  DESCRIPTION = OCP2 high density no spray, EARLY input

SOURCE TERM  1 OF  1:
   OCP2 high density no spray

RESULTS FOR A SINGLE EMERGENCY RESPONSE COHORT WITHOUT ANY WEIGHTING FRACTIONS BEING APPLIED

   COHORT 1 = 0-10 Schools

                         PROB                    QUANTILES                    PEAK     PEAK  PEAK
                       NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ     PROB  TRIAL
HEALTH EFFECTS CASES
 ERL FAT/TOTAL          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID        0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID        0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
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 CAN FAT/THYROID          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LEUKEMIA        0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BONE            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LIVER           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/COLON           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/RESIDUAL        0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                    PROB                QUANTILES                PEAK      PEAK  PEAK
                                  NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
HEALTH EFFECTS LNT ADJ. POP. DOSE (Sv)
 ICRP60ED    INJ         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ         0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ         0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ         0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT         0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT         0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT         0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER     FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                    PROB                QUANTILES                PEAK      PEAK  PEAK
                                  NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
HEALTH EFFECTS USED ADJ. POP. DOSE (Sv)
 ICRP60ED    INJ         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ         0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ         0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ         0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT         0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT         0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT         0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER     FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                    PROB                QUANTILES                PEAK      PEAK  PEAK
                                  NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
EARLY FATALITY DISTANCE (km)
 ERL FAT/TOTAL RISK > 0.000         0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                    PROB                QUANTILES                PEAK      PEAK  PEAK
                                  NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
POPULATION EXCEEDING DOSE
 EARLY dose A-RED MARR > 2.32 Sv       0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-LUNGS > 13.6 Sv          0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-STOMACH > 6.50 Sv        0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                    PROB                QUANTILES                PEAK      PEAK  PEAK
                                  NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
POPULATION DOSE (Sv)
 L-ICRP60ED  TOT LIF     0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF     0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF      0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
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 L-ICRP60ED  TOT LIF        0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                            PROB                    QUANTILES                     PEAK     PEAK  PEAK
                          NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ    PROB  TRIAL
POPULATION WEIGHTED RISK
 CAN FAT/TOTAL            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           16.1-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           32.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           64.4-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           80.5-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            161-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            322-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            805-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                            PROB                    QUANTILES                     PEAK     PEAK  PEAK
                          NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ    PROB  TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)
 L-ICRP60ED               0-0.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              0.2-0.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              0.5-1.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              1.2-1.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              1.6-2.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              2.1-3.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              3.2-4.0 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              4.0-4.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              4.8-5.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              5.6-8.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              8.1-11.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             11.3-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             16.1-20.9 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             20.9-25.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             25.8-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             32.2-40.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             40.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             64.4-80.5 km  1.0000  6.83E-03  6.77E-03  9.45E-03  1.11E-02  1.72E-02  2.11E-02  3.50E-02  1.14E-03  722
 L-ICRP60ED              80.5-113 km  1.0000  4.99E-03  4.26E-03  7.85E-03  8.54E-03  1.08E-02  1.27E-02  1.81E-02  1.13E-03  460
 L-ICRP60ED             113-161 km  1.0000  3.24E-03  2.65E-03  6.24E-03  7.32E-03  8.83E-03  9.57E-03  1.07E-02  1.14E-03  546
 L-ICRP60ED             161-241 km  1.0000  1.79E-03  1.36E-03  3.26E-03  3.88E-03  5.88E-03  7.04E-03  9.47E-03  1.13E-03  460
 L-ICRP60ED             241-322 km  1.0000  1.08E-03  8.42E-04  2.14E-03  2.66E-03  3.92E-03  4.57E-03  7.31E-03  3.04E-04  638
 L-ICRP60ED             322-563 km  1.0000  5.16E-04  4.13E-04  9.92E-04  1.19E-03  1.78E-03  2.08E-03  3.15E-03  3.04E-04  637
 L-ICRP60ED             563-805 km  1.0000  2.57E-04  2.09E-04  5.27E-04  6.50E-04  1.05E-03  1.20E-03  1.60E-03  1.14E-03  505
 L-ICRP60ED             805-1609 km  1.0000  4.85E-05  2.11E-05  1.22E-04  1.53E-04  2.27E-04  2.54E-04  4.80E-04  3.04E-04  632

                            PROB                    QUANTILES                     PEAK     PEAK  PEAK
                          NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ    PROB  TRIAL
DOSE FOUND AT ALL LOCATIONS (Sv)
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   1.00E-02 Sv  0.0512  9.11E+02  0.00E+00  0.00E+00  7.24E+03  3.02E+04  3.55E+04  6.35E+04  1.14E-03  546
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 AREA (ha) THAT EXCEEDS THRESHOLD
 A-THYROID  Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

 **** Indicates that the value is outside resolution of the analysis.
 Optionally increase number of trials for better resolution.

 "ATMOS"  DESCRIPTION = OCP2 high density no spray
 "EARLY"  DESCRIPTION = OCP2 high density no spray, EARLY input

SOURCE TERM  1 OF  1:
   OCP2 high density no spray

RESULTS FOR A SINGLE EMERGENCY RESPONSE COHORT WITHOUT ANY WEIGHTING FRACTIONS BEING APPLIED

   COHORT 2 = 0-10 Early Evacuees

                            PROB                    QUANTILES                     PEAK     PEAK  PEAK
                          NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS CASES
 ERL FAT/TOTAL            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL            0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL            0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL            0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL             0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL             0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST            0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG             0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG             0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG              0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
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 CAN FAT/LEUKEMIA           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BONE               0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LIVER              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/COLON              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/RESIDUAL           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                     PROB                QUANTILES                  PEAK      PEAK  PEAK
                                   NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
HEALTH EFFECTS LNT ADJ. POP. DOSE (Sv)
 ICRP60ED    INJ            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ             0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ             0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT             0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT             0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER     FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                     PROB                QUANTILES                  PEAK      PEAK  PEAK
                                   NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
HEALTH EFFECTS USED ADJ. POP. DOSE (Sv)
 ICRP60ED    INJ            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ             0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ             0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT             0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT             0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER     FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                     PROB                QUANTILES                  PEAK      PEAK  PEAK
                                   NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
EARLY FATALITY DISTANCE (km)
 ERL FAT/TOTAL RISK > 0.000            0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                     PROB                QUANTILES                  PEAK      PEAK  PEAK
                                   NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
POPULATION EXCEEDING DOSE
 EARLY dose A-RED MARR > 2.32 Sv       0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-LUNGS > 13.6 Sv          0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-STOMACH > 6.50 Sv        0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                     PROB                QUANTILES                  PEAK      PEAK  PEAK
                                   NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
POPULATION DOSE (Sv)
 L-ICRP60ED  TOT LIF        0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF        0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF         0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF        0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                     PROB                QUANTILES                  PEAK      PEAK  PEAK
                                   NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
POPULATION WEIGHTED RISK
 CAN FAT/TOTAL              0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
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 CAN FAT/TOTAL          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL       16.1-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL       32.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL       48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL       64.4-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL        80.5-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL        161-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL        322-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL        805-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                        PROB                    QUANTILES                    PEAK     PEAK  PEAK
                     NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)
 L-ICRP60ED           0-0.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED          0.2-0.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED          0.5-1.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED          1.2-1.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED          1.6-2.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED          2.1-3.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED          3.2-4.0 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED          4.0-4.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED          4.8-5.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED          5.6-8.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED         8.1-11.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED        11.3-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED        16.1-20.9 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED        20.9-25.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED        25.8-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED        32.2-40.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED        40.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED        48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED        64.4-80.5 km  1.0000  7.05E-03  7.02E-03  9.80E-03  1.18E-02  1.87E-02  2.32E-02  3.63E-02  1.13E-03  516
 L-ICRP60ED         80.5-113 km  1.0000  5.17E-03  4.53E-03  8.05E-03  8.85E-03  1.18E-02  1.38E-02  1.94E-02  1.13E-03  460
 L-ICRP60ED         113-161 km  1.0000  3.39E-03  2.77E-03  6.57E-03  7.46E-03  9.08E-03  9.88E-03  1.14E-02  1.14E-03  546
 L-ICRP60ED         161-241 km  1.0000  1.87E-03  1.44E-03  3.39E-03  4.14E-03  6.22E-03  7.25E-03  9.67E-03  1.13E-03  460
 L-ICRP60ED         241-322 km  1.0000  1.13E-03  8.83E-04  2.19E-03  2.78E-03  4.47E-03  5.21E-03  7.70E-03  3.04E-04  638
 L-ICRP60ED         322-563 km  1.0000  5.38E-04  4.33E-04  1.02E-03  1.22E-03  1.86E-03  2.13E-03  3.32E-03  3.04E-04  637
 L-ICRP60ED         563-805 km  1.0000  2.66E-04  2.15E-04  5.43E-04  6.83E-04  1.06E-03  1.22E-03  1.67E-03  1.14E-03  505
 L-ICRP60ED        805-1609 km  1.0000  5.00E-05  2.13E-05  1.27E-04  1.64E-04  2.41E-04  2.72E-04  5.00E-04  3.04E-04  632

                        PROB                    QUANTILES                    PEAK     PEAK  PEAK
                     NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
DOSE FOUND AT ALL LOCATIONS (Sv)
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   1.00E-02 Sv  0.0665  1.23E+03  0.00E+00  0.00E+00  1.06E+04  3.36E+04  4.77E+04  6.35E+04  2.26E-03  545
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 AREA (ha) THAT EXCEEDS THRESHOLD
 A-THYROID  Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

 **** Indicates that the value is outside resolution of the analysis.
 Optionally increase number of trials for better resolution.

  "ATMOS"  DESCRIPTION = OCP2 high density no spray
  "EARLY"  DESCRIPTION = OCP2 high density no spray, EARLY input

SOURCE TERM  1 OF  1:
   OCP2 high density no spray

RESULTS FOR A SINGLE EMERGENCY RESPONSE COHORT WITHOUT ANY WEIGHTING FRACTIONS BEING APPLIED

   COHORT 3 = 0-10 Public

                        PROB                    QUANTILES                    PEAK     PEAK  PEAK
                     NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS CASES
 ERL FAT/TOTAL         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL        0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL         0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL         0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL         0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL         0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL         0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL         0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID        0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID        0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID         0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID        0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LEUKEMIA       0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BONE          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LIVER         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/COLON         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/RESIDUAL       0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                        PROB                    QUANTILES                    PEAK     PEAK  PEAK
                     NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS LNT ADJ. POP. DOSE (Sv)
 ICRP60ED    INJ        0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
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 ICRP60ED    INJ          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER     FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                      PROB                QUANTILES                 PEAK      PEAK  PEAK
                                    NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
HEALTH EFFECTS USED ADJ. POP. DOSE (Sv)
 ICRP60ED    INJ          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER     FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                      PROB                QUANTILES                 PEAK      PEAK  PEAK
                                    NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
EARLY FATALITY DISTANCE (km)
 ERL FAT/TOTAL RISK > 0.000          0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                      PROB                QUANTILES                 PEAK      PEAK  PEAK
                                    NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
POPULATION EXCEEDING DOSE
 EARLY dose A-RED MARR > 2.32 Sv       0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-LUNGS > 13.6 Sv          0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-STOMACH > 6.50 Sv        0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                      PROB                QUANTILES                 PEAK      PEAK  PEAK
                                    NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
POPULATION DOSE (Sv)
 L-ICRP60ED  TOT LIF      0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF      0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF       0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                      PROB                QUANTILES                 PEAK      PEAK  PEAK
                                    NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
POPULATION WEIGHTED RISK
 CAN FAT/TOTAL            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL         16.1-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL         32.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL         48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL         64.4-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          80.5-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           161-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
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 CAN FAT/TOTAL          322-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          805-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ    PROB  TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)
 L-ICRP60ED             0-0.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED            0.2-0.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED            0.5-1.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED            1.2-1.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED            1.6-2.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED            2.1-3.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED            3.2-4.0 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED            4.0-4.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED            4.8-5.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED            5.6-8.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED            8.1-11.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED           11.3-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED           16.1-20.9 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED           20.9-25.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED           25.8-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED           32.2-40.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED           40.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED           48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED           64.4-80.5 km  1.0000  6.83E-03  6.77E-03  9.45E-03  1.11E-02  1.72E-02  2.11E-02  3.50E-02  1.14E-03  722
 L-ICRP60ED           80.5-113 km  1.0000  4.99E-03  4.26E-03  7.85E-03  8.54E-03  1.08E-02  1.27E-02  1.81E-02  1.13E-03  460
 L-ICRP60ED            113-161 km  1.0000  3.24E-03  2.65E-03  6.24E-03  7.32E-03  8.83E-03  9.57E-03  1.07E-02  1.14E-03  546
 L-ICRP60ED            161-241 km  1.0000  1.79E-03  1.36E-03  3.26E-03  3.88E-03  5.88E-03  7.04E-03  9.47E-03  1.13E-03  460
 L-ICRP60ED            241-322 km  1.0000  1.08E-03  8.42E-04  2.14E-03  2.66E-03  3.92E-03  4.57E-03  7.31E-03  3.04E-04  638
 L-ICRP60ED            322-563 km  1.0000  5.16E-04  4.13E-04  9.92E-04  1.19E-03  1.78E-03  2.08E-03  3.15E-03  3.04E-04  637
 L-ICRP60ED            563-805 km  1.0000  2.57E-04  2.09E-04  5.27E-04  6.50E-04  1.05E-03  1.20E-03  1.60E-03  1.14E-03  505
 L-ICRP60ED           805-1609 km  1.0000  4.85E-05  2.11E-05  1.22E-04  1.53E-04  2.27E-04  2.54E-04  4.80E-04  3.04E-04  632

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ    PROB  TRIAL
DOSE FOUND AT ALL LOCATIONS (Sv)
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   1.00E-02 Sv  0.0512  9.11E+02  0.00E+00  0.00E+00  7.24E+03  3.02E+04  3.55E+04  6.35E+04  1.14E-03  546
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 AREA (ha) THAT EXCEEDS THRESHOLD
 A-THYROID  Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

 **** Indicates that the value is outside resolution of the analysis.
 Optionally increase number of trials for better resolution.

  "ATMOS"  DESCRIPTION = OCP2 high density no spray
  "EARLY"  DESCRIPTION = OCP2 high density no spray, EARLY input

SOURCE TERM  1 OF  1:
   OCP2 high density no spray

RESULTS FOR A SINGLE EMERGENCY RESPONSE COHORT WITHOUT ANY WEIGHTING FRACTIONS BEING APPLIED

   COHORT 4 = 10-20 Shadow

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS CASES
 ERL FAT/TOTAL          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LEUKEMIA          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BONE           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LIVER          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/COLON            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/RESIDUAL          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS LNT ADJ. POP. DOSE (Sv)
 ICRP60ED    INJ        0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ        0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ        0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ        0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ        0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ         0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ         0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ         0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ        0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT        0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT        0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
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 ICRP60ED    FAT          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER     FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                  PROB              QUANTILES                 PEAK     PEAK  PEAK
                                NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS USED ADJ. POP. DOSE (Sv)
 ICRP60ED    INJ          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER     FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                  PROB              QUANTILES                 PEAK     PEAK  PEAK
                                NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
EARLY FATALITY DISTANCE (km)
 ERL FAT/TOTAL RISK > 0.000              0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                  PROB              QUANTILES                 PEAK     PEAK  PEAK
                                NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
POPULATION EXCEEDING DOSE
 EARLY dose A-RED MARR > 2.32 Sv         0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-LUNGS > 13.6 Sv            0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-STOMACH > 6.50 Sv          0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                  PROB              QUANTILES                 PEAK     PEAK  PEAK
                                NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
POPULATION DOSE (Sv)
 L-ICRP60ED  TOT LIF      0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF      0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF       0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                  PROB              QUANTILES                 PEAK     PEAK  PEAK
                                NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
POPULATION WEIGHTED RISK
 CAN FAT/TOTAL            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL         16.1-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL         32.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL         48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL         64.4-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          80.5-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           161-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           322-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          805-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                  PROB              QUANTILES                 PEAK     PEAK  PEAK
                                NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)
 L-ICRP60ED                  0-0.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED                0.2-0.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED                0.5-1.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED                1.2-1.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
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L-ICRP60ED          1.6-2.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
L-ICRP60ED          2.1-3.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
L-ICRP60ED          3.2-4.0 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
L-ICRP60ED          4.0-4.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
L-ICRP60ED          4.8-5.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
L-ICRP60ED          5.6-8.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
L-ICRP60ED          8.1-11.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
L-ICRP60ED          11.3-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
L-ICRP60ED          16.1-20.9 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
L-ICRP60ED          20.9-25.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
L-ICRP60ED          25.8-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
L-ICRP60ED          32.2-40.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
L-ICRP60ED          40.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
L-ICRP60ED          48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
L-ICRP60ED          64.4-80.5 km  1.0000  7.05E-03  7.02E-03  9.80E-03  1.18E-02  1.87E-02  2.32E-02  3.63E-02  1.13E-03  516
L-ICRP60ED          80.5-113 km  1.0000  5.17E-03  4.53E-03  8.05E-03  8.85E-03  1.18E-02  1.38E-02  1.94E-02  1.13E-03  460
L-ICRP60ED          113-161 km  1.0000  3.39E-03  2.77E-03  6.57E-03  7.46E-03  9.08E-03  9.88E-03  1.14E-02  1.14E-03  546
L-ICRP60ED          161-241 km  1.0000  1.87E-03  1.44E-03  3.39E-03  4.14E-03  6.22E-03  7.25E-03  9.67E-03  1.13E-03  460
L-ICRP60ED          241-322 km  1.0000  1.13E-03  8.83E-04  2.19E-03  2.78E-03  4.47E-03  5.21E-03  7.70E-03  3.04E-04  638
L-ICRP60ED          322-563 km  1.0000  5.38E-04  4.33E-04  1.02E-03  1.22E-03  1.86E-03  2.13E-03  3.32E-03  3.04E-04  637
L-ICRP60ED          563-805 km  1.0000  2.66E-04  2.15E-04  5.43E-04  6.83E-04  1.06E-03  1.22E-03  1.67E-03  1.14E-03  505
L-ICRP60ED          805-1609 km  1.0000  5.00E-05  2.13E-05  1.27E-04  1.64E-04  2.41E-04  2.72E-04  5.00E-04  3.04E-04  632

                     PROB                    QUANTILES                    PEAK     PEAK  PEAK
                    NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
DOSE FOUND AT ALL LOCATIONS (Sv)
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   1.00E-02 Sv  0.0665  1.23E+03  0.00E+00  0.00E+00  1.06E+04  3.36E+04  4.77E+04  6.35E+04  2.26E-03  545
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 AREA (ha) THAT EXCEEDS THRESHOLD
 A-THYROID  Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

 **** Indicates that the value is outside resolution of the analysis.
 Optionally increase number of trials for better resolution.

  "ATMOS"  DESCRIPTION = OCP2 high density no spray
  "EARLY"  DESCRIPTION = OCP2 high density no spray, EARLY input

SOURCE TERM  1 OF  1:
   OCP2 high density no spray

RESULTS FOR A SINGLE EMERGENCY RESPONSE COHORT WITHOUT ANY WEIGHTING FRACTIONS BEING APPLIED

   COHORT 5 = 0-10 Special Facilities

                     PROB                    QUANTILES                    PEAK     PEAK  PEAK
                    NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS CASES
 ERL FAT/TOTAL          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID        0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID        0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID        0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID        0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST         0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LEUKEMIA          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BONE           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LIVER          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/COLON          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/RESIDUAL          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                     PROB                    QUANTILES                    PEAK     PEAK  PEAK
                    NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS LNT ADJ. POP. DOSE (Sv)
 ICRP60ED   INJ         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ         0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ         0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ         0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ         0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ         0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ         0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT         0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT         0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT         0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT         0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT         0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT         0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID  FAT         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID  FAT         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID  FAT         0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
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 L-THYROID   FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER     FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                     PROB              QUANTILES                  PEAK      PEAK  PEAK
                                   NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
HEALTH EFFECTS USED ADJ. POP. DOSE (Sv)
 ICRP60ED    INJ         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ         0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ         0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ         0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT         0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT         0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT         0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER     FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                     PROB              QUANTILES                  PEAK      PEAK  PEAK
                                   NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
EARLY FATALITY DISTANCE (km)
 ERL FAT/TOTAL RISK > 0.000             0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                     PROB              QUANTILES                  PEAK      PEAK  PEAK
                                   NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
POPULATION EXCEEDING DOSE
 EARLY dose A-RED MARR > 2.32 Sv       0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-LUNGS > 13.6 Sv          0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-STOMACH > 6.50 Sv        0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                     PROB              QUANTILES                  PEAK      PEAK  PEAK
                                   NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
POPULATION DOSE (Sv)
 L-ICRP60ED  TOT LIF     0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF     0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF      0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF     0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                     PROB              QUANTILES                  PEAK      PEAK  PEAK
                                   NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
POPULATION WEIGHTED RISK
 CAN FAT/TOTAL           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL        16.1-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL        32.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL        48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL        64.4-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL         80.5-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          161-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          322-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL         805-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                     PROB              QUANTILES                  PEAK      PEAK  PEAK
                                   NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)
 L-ICRP60ED               0-0.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             0.2-0.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             0.5-1.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             1.2-1.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             1.6-2.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             2.1-3.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             3.2-4.0 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             4.0-4.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             4.8-5.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             5.6-8.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED            8.1-11.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED           11.3-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED           16.1-20.9 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED           20.9-25.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
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L-ICRP60ED          25.8-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
L-ICRP60ED          32.2-40.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
L-ICRP60ED          40.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
L-ICRP60ED          48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
L-ICRP60ED          64.4-80.5 km  1.0000  4.74E-03  3.88E-03  7.90E-03  8.85E-03  1.36E-02  1.74E-02  2.64E-02  1.14E-03  722
L-ICRP60ED           80.5-113 km  1.0000  3.14E-03  2.50E-03  5.91E-03  7.23E-03  9.20E-03  1.03E-02  1.37E-02  1.13E-03  460
L-ICRP60ED            113-161 km  1.0000  1.90E-03  1.44E-03  3.47E-03  4.29E-03  6.82E-03  7.66E-03  9.59E-03  1.14E-03  546
L-ICRP60ED            161-241 km  1.0000  1.05E-03  8.55E-04  2.03E-03  2.46E-03  3.67E-03  4.30E-03  5.39E-03  1.14E-03  546
L-ICRP60ED            241-322 km  1.0000  6.45E-04  5.18E-04  1.19E-03  1.50E-03  2.44E-03  2.91E-03  4.63E-03  3.04E-04  638
L-ICRP60ED            322-563 km  1.0000  3.10E-04  2.51E-04  5.85E-04  7.42E-04  1.11E-03  1.24E-03  2.06E-03  3.04E-04  637
L-ICRP60ED            563-805 km  1.0000  1.42E-04  1.10E-04  2.88E-04  3.61E-04  5.67E-04  6.62E-04  1.01E-03  3.04E-04  634
L-ICRP60ED           805-1609 km  1.0000  2.71E-05  1.11E-05  7.56E-05  9.45E-05  1.26E-04  1.42E-04  2.93E-04  3.04E-04  632

                      PROB                    QUANTILES                    PEAK     PEAK  PEAK
                    NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
DOSE FOUND AT ALL LOCATIONS (Sv)
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   1.00E-02 Sv  0.0176  2.78E+02  0.00E+00  0.00E+00  0.00E+00  1.22E+04  1.68E+04  4.20E+04  1.14E-03  514
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 AREA (ha) THAT EXCEEDS THRESHOLD
 A-THYROID  Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

 **** Indicates that the value is outside resolution of the analysis.
 Optionally increase number of trials for better resolution.


  "ATMOS"  DESCRIPTION = OCP2 high density no spray
  "EARLY"  DESCRIPTION = OCP2 high density no spray, EARLY input

SOURCE TERM  1 OF  1:
    OCP2 high density no spray

RESULTS FOR A SINGLE EMERGENCY RESPONSE COHORT WITHOUT ANY WEIGHTING FRACTIONS BEING APPLIED

    COHORT 6 = 0-10 Evacuation Tail

                      PROB                    QUANTILES                    PEAK     PEAK  PEAK
                    NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS CASES
 ERL FAT/TOTAL          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL           0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL           0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG            0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LEUKEMIA        0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BONE           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LIVER          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/COLON          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/RESIDUAL       0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                      PROB                    QUANTILES                    PEAK     PEAK  PEAK
                    NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS LNT ADJ. POP. DOSE (Sv)
 ICRP60ED   INJ         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ         0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ         0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ         0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ          0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ          0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT         0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT         0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT         0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT          0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT          0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT        0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT        0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT         0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT        0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT        0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT        0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT         0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT        0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT        0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT        0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT         0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT        0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT        0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
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 L-BONE SUR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER     FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS USED ADJ. POP. DOSE (Sv)
 ICRP60ED   INJ          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ           0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ           0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT           0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT           0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID  FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID  FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID  FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST   FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST   FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST   FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST   FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS    FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS    FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS    FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS    FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER     FAT         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
EARLY FATALITY DISTANCE (km)
 ERL FAT/TOTAL RISK > 0.000          0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
POPULATION EXCEEDING DOSE
 EARLY dose A-RED MARR > 2.32 Sv       0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-LUNGS > 13.6 Sv          0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-STOMACH > 6.50 Sv        0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
POPULATION DOSE (Sv)
 L-ICRP60ED  TOT LIF      0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF      0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF       0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
POPULATION WEIGHTED RISK
 CAN FAT/TOTAL            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          16.1-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          32.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          64.4-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           80.5-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           161-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           322-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL          805-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)
 L-ICRP60ED               0-0.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             0.2-0.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             0.5-1.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             1.2-1.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             1.6-2.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             2.1-3.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             3.2-4.0 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             4.0-4.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             4.8-5.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             5.6-8.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             8.1-11.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED            11.3-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED            16.1-20.9 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED            20.9-25.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED            25.8-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED            32.2-40.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED            40.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED            48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED            64.4-80.5 km  1.0000  7.05E-03  7.02E-03  9.80E-03  1.18E-02  1.87E-02  2.32E-02  3.63E-02  1.13E-03  516
 L-ICRP60ED            80.5-113 km  1.0000  5.17E-03  4.53E-03  8.05E-03  8.85E-03  1.18E-02  1.38E-02  1.94E-02  1.13E-03  460
 L-ICRP60ED            113-161 km  1.0000  3.39E-03  2.77E-03  6.57E-03  7.46E-03  9.08E-03  9.88E-03  1.14E-02  1.14E-03  546
 L-ICRP60ED            161-241 km  1.0000  1.87E-03  1.44E-03  3.39E-03  4.14E-03  6.22E-03  7.25E-03  9.67E-03  1.13E-03  460
 L-ICRP60ED            241-322 km  1.0000  1.13E-03  8.83E-04  2.19E-03  2.78E-03  4.47E-03  5.21E-03  7.70E-03  3.04E-04  638
 L-ICRP60ED            322-563 km  1.0000  5.38E-04  4.33E-04  1.02E-03  1.22E-03  1.86E-03  2.13E-03  3.32E-03  3.04E-04  637
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 L-ICRP60ED            563-805 km  1.0000  2.66E-04  2.15E-04  5.43E-04  6.83E-04  1.06E-03  1.22E-03  1.67E-03  1.14E-03  505
 L-ICRP60ED           805-1609 km  1.0000  5.00E-05  2.13E-05  1.27E-04  1.64E-04  2.41E-04  2.72E-04  5.00E-04  3.04E-04  632

                                PROB                    QUANTILES                    PEAK     PEAK  PEAK
                            NON-ZERO   MEAN      50TH      90TH      95TH      99TH    99.5TH    CONSEQ     PROB  TRIAL
DOSE FOUND AT ALL LOCATIONS (Sv)
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   1.00E-02 Sv  0.0665  1.23E+03  0.00E+00  0.00E+00  1.06E+04  3.36E+04  4.77E+04  6.35E+04  2.26E-03  545
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 AREA (ha) THAT EXCEEDS THRESHOLD
 A-THYROID  Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

 **** Indicates that the value is outside resolution of the analysis.
 Optionally increase number of trials for better resolution.


  "ATMOS"  DESCRIPTION = OCP2 high density no spray
  "EARLY"  DESCRIPTION = OCP2 high density no spray, EARLY input

SOURCE TERM  1 OF  1:
   OCP2 high density no spray

RESULTS FOR A SINGLE EMERGENCY RESPONSE COHORT WITHOUT ANY WEIGHTING FRACTIONS BEING APPLIED

   COHORT 7 =  10-30 Public

                                PROB                    QUANTILES                    PEAK     PEAK  PEAK
                            NON-ZERO   MEAN      50TH      90TH      95TH      99TH    99.5TH    CONSEQ     PROB  TRIAL
HEALTH EFFECTS CASES
 ERL FAT/TOTAL            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL            0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL            0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL            0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL            0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL            0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL            0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG             0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG             0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LEUKEMIA           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BONE             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LIVER            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/COLON              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/RESIDUAL           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                PROB                    QUANTILES                    PEAK     PEAK  PEAK
                            NON-ZERO   MEAN      50TH      90TH      95TH      99TH    99.5TH    CONSEQ     PROB  TRIAL
HEALTH EFFECTS LNT ADJ. POP. DOSE (Sv)
 ICRP60ED   INJ           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ           0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ           0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ           0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ           0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ           0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT           0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT           0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT           0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT           0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT           0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID  FAT           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID  FAT           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID  FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID  FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST   FAT           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST   FAT           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST   FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST   FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS    FAT           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS    FAT           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS    FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS    FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER    FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                PROB                    QUANTILES                    PEAK     PEAK  PEAK
                            NON-ZERO   MEAN      50TH      90TH      95TH      99TH    99.5TH    CONSEQ     PROB  TRIAL
HEALTH EFFECTS USED ADJ. POP. DOSE (Sv)
 ICRP60ED   INJ           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ           0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
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 ICRP60ED    INJ          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER     FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ     PROB  TRIAL
EARLY FATALITY DISTANCE (km)
 ERL FAT/TOTAL RISK > 0.000          0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ     PROB  TRIAL
POPULATION EXCEEDING DOSE
 EARLY dose A-RED MARR > 2.32 Sv     0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-LUNGS > 13.6 Sv        0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-STOMACH > 6.50 Sv      0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ     PROB  TRIAL
POPULATION DOSE (Sv)
 L-ICRP60ED  TOT LIF      0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF      0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF       0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ     PROB  TRIAL
POPULATION WEIGHTED RISK
 CAN FAT/TOTAL            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           16.1-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           32.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           64.4-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            80.5-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             161-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             322-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             805-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ     PROB  TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)
 L-ICRP60ED               0-0.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              0.2-0.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              0.5-1.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              1.2-1.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              1.6-2.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              2.1-3.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              3.2-4.0 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              4.0-4.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              4.8-5.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              5.6-8.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             8.1-11.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             11.3-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             16.1-20.9 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             20.9-25.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             25.8-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             32.2-40.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             40.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             64.4-80.5 km  1.0000  7.05E-03  7.02E-03  9.80E-03  1.18E-02  1.87E-02  2.32E-02  3.63E-02  1.13E-03  516
 L-ICRP60ED              80.5-113 km  1.0000  5.17E-03  4.53E-03  8.05E-03  8.85E-03  1.18E-02  1.38E-02  1.94E-02  1.13E-03  460
 L-ICRP60ED              113-161 km  1.0000  3.39E-03  2.77E-03  6.57E-03  7.46E-03  9.08E-03  9.88E-03  1.14E-02  1.14E-03  546
 L-ICRP60ED              161-241 km  1.0000  1.87E-03  1.44E-03  3.39E-03  4.14E-03  6.22E-03  7.25E-03  9.67E-03  1.13E-03  460
 L-ICRP60ED              241-322 km  1.0000  1.13E-03  8.83E-04  2.19E-03  2.78E-03  4.47E-03  5.21E-03  7.70E-03  3.04E-04  638
 L-ICRP60ED              322-563 km  1.0000  5.38E-04  4.33E-04  1.02E-03  1.22E-03  1.86E-03  2.13E-03  3.32E-03  3.04E-04  637
 L-ICRP60ED              563-805 km  1.0000  2.66E-04  2.15E-04  5.43E-04  6.83E-04  1.06E-03  1.22E-03  1.67E-03  1.14E-03  505
 L-ICRP60ED             805-1609 km  1.0000  5.00E-05  2.13E-05  1.27E-04  1.64E-04  2.41E-04  2.72E-04  5.00E-04  3.04E-04  632

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ     PROB  TRIAL
DOSE FOUND AT ALL LOCATIONS (Sv)
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   1.00E-02 Sv  0.0665  1.23E+03  0.00E+00  0.00E+00  1.06E+04  3.36E+04  4.77E+04  6.35E+04  2.26E-03  545
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
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 AREA (ha) THAT EXCEEDS THRESHOLD
 A-THYROID  Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

**** Indicates that the value is outside resolution of the analysis.
 Optionally increase number of trials for better resolution.

  "ATMOS"  DESCRIPTION = OCP2 high density no spray
  "EARLY"  DESCRIPTION = OCP2 high density no spray, EARLY input

SOURCE TERM  1 OF  1:
    OCP2 high density no spray

RESULTS FOR A SINGLE EMERGENCY RESPONSE COHORT WITHOUT ANY WEIGHTING FRACTIONS BEING APPLIED

    COHORT 8 = 10-30 Special Facilities

                                 PROB                    QUANTILES                    PEAK     PEAK  PEAK
                               NON-ZERO   MEAN     50TH     90TH     95TH     99TH   99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS CASES
 ERL FAT/TOTAL              0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL              0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID            0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST             0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST             0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG               0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG               0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG               0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG               0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LEUKEMIA           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BONE               0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LIVER              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/COLON              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/RESIDUAL           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                 PROB                    QUANTILES                    PEAK     PEAK  PEAK
                               NON-ZERO   MEAN     50TH     90TH     95TH     99TH   99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS LNT ADJ. POP. DOSE (Sv)
 ICRP60ED   INJ             0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ             0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ             0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ             0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ             0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ             0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ             0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT             0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT             0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT             0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT             0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT             0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT             0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT             0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID  FAT             0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID  FAT             0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID  FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID  FAT             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST   FAT             0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST   FAT             0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST   FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST   FAT             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS    FAT             0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS    FAT             0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS    FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS    FAT             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER    FAT             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                 PROB                    QUANTILES                    PEAK     PEAK  PEAK
                               NON-ZERO   MEAN     50TH     90TH     95TH     99TH   99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS USED ADJ. POP. DOSE (Sv)
 ICRP60ED   INJ             0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ             0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ             0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ             0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ             0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ             0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ             0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   INJ             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT             0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT             0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED   FAT             0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
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 ICRP60ED    FAT          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER     FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                QUANTILES                PEAK     PEAK  PEAK
                         NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
EARLY FATALITY DISTANCE (km)
 ERL FAT/TOTAL RISK > 0.000          0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                QUANTILES                PEAK     PEAK  PEAK
                         NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
POPULATION EXCEEDING DOSE
 EARLY dose A-RED MARR > 2.32 Sv     0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-LUNGS > 13.6 Sv        0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-STOMACH > 6.50 Sv      0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                QUANTILES                PEAK     PEAK  PEAK
                         NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
POPULATION DOSE (Sv)
 L-ICRP60ED  TOT LIF      0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF      0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF      0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                QUANTILES                PEAK     PEAK  PEAK
                         NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
POPULATION WEIGHTED RISK
 CAN FAT/TOTAL            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           16.1-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           32.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           64.4-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           80.5-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           161-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           322-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           805-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                QUANTILES                PEAK     PEAK  PEAK
                         NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)
 L-ICRP60ED               0-0.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              0.2-0.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              0.5-1.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              1.2-1.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              1.6-2.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              2.1-3.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              3.2-4.0 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              4.0-4.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              4.8-5.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              5.6-8.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              8.1-11.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             11.3-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             16.1-20.9 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             20.9-25.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             25.8-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             32.2-40.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             40.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED             64.4-80.5 km  1.0000  4.74E-03  3.88E-03  7.90E-03  8.85E-03  1.36E-02  1.74E-02  2.64E-02  1.14E-03  722
 L-ICRP60ED             80.5-113 km  1.0000  3.14E-03  2.50E-03  5.91E-03  7.23E-03  9.20E-03  1.03E-02  1.37E-02  1.13E-03  460
 L-ICRP60ED             113-161 km  1.0000  1.90E-03  1.44E-03  3.47E-03  4.29E-03  6.82E-03  7.66E-03  9.59E-03  1.14E-03  546
 L-ICRP60ED             161-241 km  1.0000  1.05E-03  8.55E-04  2.03E-03  2.46E-03  3.67E-03  4.30E-03  5.39E-03  1.14E-03  546
 L-ICRP60ED             241-322 km  1.0000  6.45E-04  5.18E-04  1.19E-03  1.50E-03  2.44E-03  2.91E-03  4.63E-03  3.04E-04  638
 L-ICRP60ED             322-563 km  1.0000  3.10E-04  2.51E-04  5.85E-04  7.42E-04  1.11E-03  1.24E-03  2.06E-03  3.04E-04  637
 L-ICRP60ED             563-805 km  1.0000  1.42E-04  1.10E-04  2.88E-04  3.61E-04  5.67E-04  6.62E-04  1.01E-03  3.04E-04  634
 L-ICRP60ED             805-1609 km  1.0000  2.71E-05  1.11E-05  7.56E-05  9.45E-05  1.26E-04  1.42E-04  2.93E-04  3.04E-04  632

                          PROB                QUANTILES                PEAK     PEAK  PEAK
                         NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
DOSE FOUND AT ALL LOCATIONS (Sv)
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   1.00E-02 Sv  0.0176  2.78E+02  0.00E+00  0.00E+00  0.00E+00  1.22E+04  1.68E+04  4.20E+04  1.14E-03  514
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 AREA (ha) THAT EXCEEDS THRESHOLD
 A-THYROID  Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

 **** Indicates that the value is outside resolution of the analysis.
 Optionally increase number of trials for better resolution.

  "ATMOS"  DESCRIPTION = OCP2 high density no spray
  "EARLY"  DESCRIPTION = OCP2 high density no spray, EARLY input

SOURCE TERM  1 OF  1:
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   OCP2 high density no spray

RESULTS FOR A SINGLE EMERGENCY RESPONSE COHORT WITHOUT ANY WEIGHTING FRACTIONS BEING APPLIED

   COHORT 9 = 30-40 Shadow

                           PROB                 QUANTILES                    PEAK      PEAK  PEAK
                          NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
HEALTH EFFECTS CASES
 ERL FAT/TOTAL             0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL             0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL             0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL             0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL             0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL             0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL             0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID            0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG              0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG              0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG               0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LEUKEMIA          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BONE              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LIVER             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/COLON             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/RESIDUAL          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                           PROB                 QUANTILES                    PEAK      PEAK  PEAK
                          NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
HEALTH EFFECTS LNT ADJ. POP. DOSE (Sv)
 ICRP60ED    INJ           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT            0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT            0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT            0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER     FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                           PROB                 QUANTILES                    PEAK      PEAK  PEAK
                          NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
HEALTH EFFECTS USED ADJ. POP. DOSE (Sv)
 ICRP60ED    INJ           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT           0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT           0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT            0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
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 L-BREAST    FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER     FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                QUANTILES                 PEAK      PEAK  PEAK
                         NON-ZERO   MEAN     50TH      90TH      95TH      99TH     99.5TH   CONSEQ     PROB  TRIAL
EARLY FATALITY DISTANCE (km)
 ERL FAT/TOTAL RISK > 0.000          0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                QUANTILES                 PEAK      PEAK  PEAK
                         NON-ZERO   MEAN     50TH      90TH      95TH      99TH     99.5TH   CONSEQ     PROB  TRIAL
POPULATION EXCEEDING DOSE
 EARLY dose A-RED MARR > 2.32 Sv     0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-LUNGS > 13.6 Sv        0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-STOMACH > 6.50 Sv      0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                QUANTILES                 PEAK      PEAK  PEAK
                         NON-ZERO   MEAN     50TH      90TH      95TH      99TH     99.5TH   CONSEQ     PROB  TRIAL
POPULATION DOSE (Sv)
 L-ICRP60ED  TOT LIF      0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF      0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF      0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                QUANTILES                 PEAK      PEAK  PEAK
                         NON-ZERO   MEAN     50TH      90TH      95TH      99TH     99.5TH   CONSEQ     PROB  TRIAL
POPULATION WEIGHTED RISK
 CAN FAT/TOTAL            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           16.1-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           32.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           64.4-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           80.5-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           161-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           322-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL           805-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                QUANTILES                 PEAK      PEAK  PEAK
                         NON-ZERO   MEAN     50TH      90TH      95TH      99TH     99.5TH   CONSEQ     PROB  TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)
 L-ICRP60ED               0-0.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               0.2-0.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               0.5-1.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               1.2-1.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               1.6-2.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               2.1-3.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               3.2-4.0 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               4.0-4.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               4.8-5.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               5.6-8.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               8.1-11.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              11.3-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              16.1-20.9 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              20.9-25.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              25.8-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              32.2-40.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              40.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              64.4-80.5 km  1.0000  7.05E-03  7.02E-03  9.80E-03  1.18E-02  1.87E-02  2.32E-02  3.63E-02  1.13E-03  516
 L-ICRP60ED              80.5-113 km  1.0000  5.17E-03  4.53E-03  8.05E-03  8.85E-03  1.18E-02  1.38E-02  1.94E-02  1.13E-03  460
 L-ICRP60ED              113-161 km  1.0000  3.39E-03  2.77E-03  6.57E-03  7.46E-03  9.08E-03  9.88E-03  1.14E-02  1.14E-03  546
 L-ICRP60ED              161-241 km  1.0000  1.87E-03  1.44E-03  3.39E-03  4.14E-03  6.22E-03  7.25E-03  9.67E-03  1.13E-03  460
 L-ICRP60ED              241-322 km  1.0000  1.13E-03  8.83E-04  2.19E-03  2.78E-03  4.47E-03  5.21E-03  7.70E-03  3.04E-04  638
 L-ICRP60ED              322-563 km  1.0000  5.38E-04  4.33E-04  1.02E-03  1.22E-03  1.86E-03  2.13E-03  3.32E-03  3.04E-04  637
 L-ICRP60ED              563-805 km  1.0000  2.66E-04  2.15E-04  5.43E-04  6.83E-04  1.06E-03  1.22E-03  1.67E-03  1.14E-03  505
 L-ICRP60ED              805-1609 km  1.0000  5.00E-05  2.13E-05  1.27E-04  1.64E-04  2.41E-04  2.72E-04  5.00E-04  3.04E-04  632

                          PROB                QUANTILES                 PEAK      PEAK  PEAK
                         NON-ZERO   MEAN     50TH      90TH      95TH      99TH     99.5TH   CONSEQ     PROB  TRIAL
DOSE FOUND AT ALL LOCATIONS (Sv)
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   1.00E-02 Sv  0.0665  1.23E+03  0.00E+00  0.00E+00  1.06E+04  3.36E+04  4.77E+04  6.35E+04  2.26E-03  545
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 AREA (ha) THAT EXCEEDS THRESHOLD
 A-THYROID  Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

 **** Indicates that the value is outside resolution of the analysis.
 Optionally increase number of trials for better resolution.

  "ATMOS"  DESCRIPTION = OCP2 high density no spray
  "EARLY"  DESCRIPTION = OCP2 high density no spray, EARLY input

SOURCE TERM  1 OF  1:
    OCP2 high density no spray

RESULTS FOR A SINGLE EMERGENCY RESPONSE COHORT WITHOUT ANY WEIGHTING FRACTIONS BEING APPLIED

    COHORT10 = 10-30 Tail

                          PROB                QUANTILES                 PEAK      PEAK  PEAK
                         NON-ZERO   MEAN     50TH      90TH      95TH      99TH     99.5TH   CONSEQ     PROB  TRIAL
HEALTH EFFECTS CASES
 ERL FAT/TOTAL            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
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 ERL FAT/TOTAL              0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL               0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL               0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL               0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL               0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL               0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL               0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST             0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST             0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST              0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG               0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG               0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG                0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG               0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LEUKEMIA           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BONE               0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LIVER              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/COLON              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/RESIDUAL           0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                   PROB                QUANTILES                   PEAK     PEAK  PEAK
                                 NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS LNT ADJ. POP. DOSE (Sv)
 ICRP60ED    INJ            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ             0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ             0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT             0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT             0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER     FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                   PROB                QUANTILES                   PEAK     PEAK  PEAK
                                 NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS USED ADJ. POP. DOSE (Sv)
 ICRP60ED    INJ            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ             0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ             0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT             0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT             0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT            0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT            0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT             0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT            0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
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 L-LIVER     FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                     PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ    PROB  TRIAL
EARLY FATALITY DISTANCE (km)
 ERL FAT/TOTAL RISK > 0.000            0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                     PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ    PROB  TRIAL
POPULATION EXCEEDING DOSE
 EARLY dose A-RED MARR > 2.32 Sv       0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-LUNGS > 13.6 Sv          0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-STOMACH > 6.50 Sv        0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                     PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ    PROB  TRIAL
POPULATION DOSE (Sv)
 L-ICRP60ED  TOT LIF       0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF       0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF        0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF       0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                     PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ    PROB  TRIAL
POPULATION WEIGHTED RISK
 CAN FAT/TOTAL             0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            16.1-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            32.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            64.4-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             80.5-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              161-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              322-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             805-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                          PROB                    QUANTILES                     PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ    PROB  TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)
 L-ICRP60ED                0-0.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               0.2-0.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               0.5-1.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               1.2-1.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               1.6-2.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               2.1-3.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               3.2-4.0 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               4.0-4.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               4.8-5.6 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               5.6-8.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED               8.1-11.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              11.3-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              16.1-20.9 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              20.9-25.8 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              25.8-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              32.2-40.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              40.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED              64.4-80.5 km  1.0000  7.05E-03  7.02E-03  9.80E-03  1.18E-02  1.87E-02  2.32E-02  3.63E-02  1.13E-03  516
 L-ICRP60ED               80.5-113 km  1.0000  5.17E-03  4.53E-03  8.05E-03  8.85E-03  1.18E-02  1.38E-02  1.94E-02  1.13E-03  460
 L-ICRP60ED              113-161 km  1.0000  3.39E-03  2.77E-03  6.57E-03  7.46E-03  9.08E-03  9.88E-03  1.14E-02  1.14E-03  546
 L-ICRP60ED              161-241 km  1.0000  1.87E-03  1.44E-03  3.39E-03  4.14E-03  6.22E-03  7.25E-03  9.67E-03  1.13E-03  460
 L-ICRP60ED              241-322 km  1.0000  1.13E-03  8.83E-04  2.19E-03  2.78E-03  4.47E-03  5.21E-03  7.70E-03  3.04E-04  638
 L-ICRP60ED              322-563 km  1.0000  5.38E-04  4.33E-04  1.02E-03  1.22E-03  1.86E-03  2.13E-03  3.32E-03  3.04E-04  637
 L-ICRP60ED              563-805 km  1.0000  2.66E-04  2.15E-04  5.43E-04  6.83E-04  1.06E-03  1.22E-03  1.67E-03  1.14E-03  505
 L-ICRP60ED             805-1609 km  1.0000  5.00E-05  2.13E-05  1.27E-04  1.64E-04  2.41E-04  2.72E-04  5.00E-04  3.04E-04  632

                          PROB                    QUANTILES                     PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ    PROB  TRIAL
DOSE FOUND AT ALL LOCATIONS (Sv)
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   1.00E-02 Sv  0.0665  1.23E+03  0.00E+00  0.00E+00  1.06E+04  3.36E+04  4.77E+04  6.35E+04  2.26E-03  545
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 AREA (ha) THAT EXCEEDS THRESHOLD
 A-THYROID  Area exceeds   5.00E-02 Sv  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

 **** Indicates that the value is outside resolution of the analysis.
 Optionally increase number of trials for better resolution.

 "ATMOS"  DESCRIPTION = OCP2 high density no spray
 "EARLY"  DESCRIPTION = OCP2 high density no spray, EARLY input

SOURCE TERM  1 OF  1:
   OCP2 high density no spray

RESULTS FOR A SINGLE EMERGENCY RESPONSE COHORT WITHOUT ANY WEIGHTING FRACTIONS BEING APPLIED

   COHORT11 = 30-40 Shelter in Place

                          PROB                    QUANTILES                     PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH      90TH      95TH      99TH    99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS CASES
 ERL FAT/TOTAL             0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL             0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL             0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL             0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL             0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL             0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL             0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
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 CAN INJ/TOTAL              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/TOTAL               0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/TOTAL               0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/TOTAL               0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/TOTAL               0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/TOTAL               0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/TOTAL                0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/TOTAL                0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/TOTAL                0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/TOTAL               0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/THYROID              0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/THYROID              0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/THYROID               0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/THYROID              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/BREAST              0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/BREAST              0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/BREAST               0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/BREAST              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/LUNG               0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/LUNG               0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/LUNG                0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/LUNG               0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/LEUKEMIA             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/BONE               0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/LIVER              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/COLON              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 CAN FAT/RESIDUAL             0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0

                              PROB                    QUANTILES                     PEAK     PEAK  PEAK
                            NON-ZERO   MEAN      50TH      90TH      95TH      99TH    99.5TH    CONSEQ     PROB  TRIAL
HEALTH EFFECTS LNT ADJ. POP. DOSE (Sv)
 ICRP60ED    INJ          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    INJ          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    INJ          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    INJ          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    INJ          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    INJ           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    INJ           0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    INJ           0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    INJ          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    FAT          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    FAT          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    FAT          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    FAT           0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    FAT           0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-THYROID   FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-THYROID   FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-THYROID   FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-THYROID   FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-BREAST    FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-BREAST    FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-BREAST    FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-BREAST    FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-LUNGS     FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-LUNGS     FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-LUNGS     FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-LUNGS     FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-RED MARR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-BONE SUR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-LIVER     FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-LOWER LI  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-BLAD WAL  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0

                              PROB                    QUANTILES                     PEAK     PEAK  PEAK
                            NON-ZERO   MEAN      50TH      90TH      95TH      99TH    99.5TH    CONSEQ     PROB  TRIAL
HEALTH EFFECTS USED ADJ. POP. DOSE (Sv)
 ICRP60ED    INJ          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    INJ          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    INJ          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    INJ          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    INJ          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    INJ           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    INJ           0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    INJ           0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    INJ          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    FAT          0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    FAT          0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    FAT          0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    FAT           0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    FAT           0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 ICRP60ED    FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-THYROID   FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-THYROID   FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-THYROID   FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-THYROID   FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-BREAST    FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-BREAST    FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-BREAST    FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-BREAST    FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-LUNGS     FAT          0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-LUNGS     FAT          0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-LUNGS     FAT           0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-LUNGS     FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-RED MARR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-BONE SUR  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-LIVER     FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-LOWER LI  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0
 L-BLAD WAL  FAT          0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0

                              PROB                    QUANTILES                     PEAK     PEAK  PEAK
                            NON-ZERO   MEAN      50TH      90TH      95TH      99TH    99.5TH    CONSEQ     PROB  TRIAL
EARLY FATALITY DISTANCE (km)
 ERL FAT/TOTAL RISK > 0.000           0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00     0

                              PROB                    QUANTILES                     PEAK     PEAK  PEAK
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                                NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
POPULATION EXCEEDING DOSE
 EARLY dose A-RED MARR > 2.32 Sv        0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-LUNGS > 13.6 Sv           0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-STOMACH > 6.50 Sv         0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                 PROB                    QUANTILES                         PEAK      PEAK  PEAK
                                NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
POPULATION DOSE (Sv)
 L-ICRP60ED  TOT LIF        0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-ICRP60ED  TOT LIF        0-80.5 km  1.0000  6.50E+02  4.31E+02  1.33E+03  1.86E+03  3.10E+03  3.35E+03  3.93E+03  1.13E-03  908
 L-ICRP60ED  TOT LIF         0-161 km  1.0000  6.50E+02  4.31E+02  1.33E+03  1.86E+03  3.10E+03  3.35E+03  3.93E+03  1.13E-03  908
 L-ICRP60ED  TOT LIF        0-1609 km  1.0000  6.50E+02  4.31E+02  1.33E+03  1.86E+03  3.10E+03  3.35E+03  3.93E+03  1.13E-03  908

                                 PROB                    QUANTILES                         PEAK      PEAK  PEAK
                                NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
POPULATION WEIGHTED RISK
 CAN FAT/TOTAL              0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL               0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL               0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL               0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             16.1-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             32.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             64.4-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              80.5-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL               161-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL               322-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              805-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                 PROB                    QUANTILES                         PEAK      PEAK  PEAK
                                NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)
 L-ICRP60ED                 0-0.2 km  1.0000  1.13E+00  9.35E-01  1.97E+00  2.29E+00  3.19E+00  3.68E+00  5.12E+00  1.14E-03  315
 L-ICRP60ED                0.2-0.5 km  1.0000  4.79E-01  3.87E-01  8.16E-01  1.03E+00  1.31E+00  1.45E+00  1.89E+00  8.56E-04  202
 L-ICRP60ED                0.5-1.2 km  1.0000  2.53E-01  2.16E-01  4.67E-01  6.15E-01  7.98E-01  8.58E-01  1.00E+00  1.13E-03  358
 L-ICRP60ED                1.2-1.6 km  1.0000  1.76E-01  1.34E-01  3.24E-01  4.41E-01  6.36E-01  7.08E-01  7.85E-01  1.13E-03  358
 L-ICRP60ED                1.6-2.1 km  1.0000  1.42E-01  1.13E-01  2.71E-01  3.51E-01  5.34E-01  5.80E-01  6.91E-01  1.13E-03  358
 L-ICRP60ED                2.1-3.2 km  1.0000  1.02E-01  8.69E-02  1.92E-01  2.58E-01  3.58E-01  3.94E-01  4.86E-01  1.13E-03  358
 L-ICRP60ED                3.2-4.0 km  1.0000  7.29E-02  6.19E-02  1.38E-01  1.75E-01  2.64E-01  3.03E-01  3.36E-01  1.13E-03  374
 L-ICRP60ED                4.0-4.8 km  1.0000  5.75E-02  5.04E-02  1.09E-01  1.40E-01  2.13E-01  2.29E-01  2.67E-01  1.13E-03  374
 L-ICRP60ED                4.8-5.6 km  1.0000  4.71E-02  3.64E-02  8.64E-02  1.08E-01  1.67E-01  2.01E-01  2.52E-01  1.13E-03  374
 L-ICRP60ED                5.6-8.1 km  1.0000  3.52E-02  2.85E-02  5.89E-02  7.36E-02  1.21E-01  1.48E-01  2.24E-01  5.99E-04  683
 L-ICRP60ED               8.1-11.3 km  1.0000  2.70E-02  2.27E-02  3.79E-02  4.73E-02  9.09E-02  1.18E-01  2.40E-01  1.14E-03  461
 L-ICRP60ED               11.3-16.1 km  1.0000  2.35E-02  2.14E-02  3.16E-02  3.72E-02  5.55E-02  6.80E-02  1.21E-01  1.14E-03  461
 L-ICRP60ED               16.1-20.9 km  1.0000  2.17E-02  2.08E-02  3.16E-02  3.56E-02  4.68E-02  5.81E-02  9.64E-02  1.14E-03  605
 L-ICRP60ED               20.9-25.8 km  1.0000  1.97E-02  1.89E-02  3.11E-02  3.46E-02  4.43E-02  4.93E-02  1.29E-01  1.14E-03  315
 L-ICRP60ED               25.8-32.2 km  1.0000  1.69E-02  1.38E-02  2.79E-02  3.15E-02  3.84E-02  4.18E-02  5.26E-02  1.14E-03  315
 L-ICRP60ED               32.2-40.2 km  1.0000  1.32E-02  9.94E-03  2.31E-02  2.74E-02  3.21E-02  3.33E-02  3.61E-02  1.15E-03  124
 L-ICRP60ED               40.2-48.3 km  1.0000  1.01E-02  8.22E-03  1.62E-02  2.06E-02  2.65E-02  2.95E-02  3.75E-02  1.13E-03  516
 L-ICRP60ED               48.3-64.4 km  1.0000  7.23E-03  7.09E-03  1.04E-02  1.25E-02  1.92E-02  2.23E-02  3.17E-02  1.14E-03  155
 L-ICRP60ED               64.4-80.5 km  1.0000  5.37E-03  4.90E-03  8.14E-03  8.99E-03  1.36E-02  1.74E-02  2.69E-02  1.14E-03  722
 L-ICRP60ED                80.5-113 km  1.0000  3.70E-03  3.04E-03  7.03E-03  7.66E-03  9.33E-03  1.03E-02  1.40E-02  1.13E-03  460
 L-ICRP60ED                113-161 km  1.0000  2.28E-03  1.81E-03  4.22E-03  5.30E-03  7.41E-03  8.14E-03  9.97E-03  1.14E-03  513
 L-ICRP60ED                161-241 km  1.0000  1.24E-03  1.03E-03  2.30E-03  2.90E-03  4.28E-03  5.02E-03  5.99E-03  1.14E-03  546
 L-ICRP60ED                241-322 km  1.0000  7.54E-04  5.93E-04  1.41E-03  1.86E-03  3.06E-03  3.46E-03  5.23E-03  3.04E-04  638
 L-ICRP60ED                322-563 km  1.0000  3.60E-04  2.92E-04  6.77E-04  8.54E-04  1.22E-03  1.38E-03  2.28E-03  3.04E-04  637
 L-ICRP60ED                563-805 km  1.0000  1.74E-04  1.29E-04  3.43E-04  4.25E-04  7.25E-04  8.35E-04  1.14E-03  1.14E-03  505
 L-ICRP60ED               805-1609 km  1.0000  3.28E-05  1.31E-05  9.08E-05  1.11E-04  1.54E-04  1.78E-04  3.36E-04  3.04E-04  632

                                 PROB                    QUANTILES                         PEAK      PEAK  PEAK
                                NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
DOSE FOUND AT ALL LOCATIONS (Sv)
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   1.00E-02 Sv  1.0000  1.71E+04  1.36E+04  3.12E+04  3.55E+04  4.79E+04  5.38E+04  6.77E+04  1.14E-03  723
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   5.00E-02 Sv  0.9976  2.41E+02  1.11E+02  5.69E+02  8.24E+02  2.09E+03  2.48E+03  4.81E+03  1.14E-03  461
 AREA (ha) THAT EXCEEDS THRESHOLD
 A-THYROID  Area exceeds   5.00E-02 Sv  0.9930  1.31E+02  5.18E+01  3.27E+02  4.60E+02  1.10E+03  1.45E+03  2.57E+03  1.14E-03  461

 **** Indicates that the value is outside resolution of the analysis.
 Optionally increase number of trials for better resolution.

 "ATMOS"  DESCRIPTION = OCP2 high density no spray
 "EARLY"  DESCRIPTION = OCP2 high density no spray, EARLY input

SOURCE TERM  1 OF  1:
   OCP2 high density no spray

RESULTS FOR A SINGLE EMERGENCY RESPONSE COHORT WITHOUT ANY WEIGHTING FRACTIONS BEING APPLIED

   COHORT12 = Nonevacuees

                                 PROB                    QUANTILES                         PEAK      PEAK  PEAK
                                NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH    CONSEQ     PROB  TRIAL
HEALTH EFFECTS CASES
 ERL FAT/TOTAL              0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL              0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ERL FAT/TOTAL              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL               0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL               0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL               0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN INJ/TOTAL              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL               0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL               0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL               0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
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 CAN FAT/THYROID      0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID      0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID       0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/THYROID      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST       0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST       0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST        0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BREAST       0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG         0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG         0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG          0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LUNG         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LEUKEMIA     0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/BONE         0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/LIVER        0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/COLON        0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/RESIDUAL     0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                  PROB              QUANTILES                  PEAK     PEAK  PEAK
                                NON-ZERO   MEAN     50TH      90TH      95TH      99TH     99.5TH   CONSEQ     PROB  TRIAL
HEALTH EFFECTS LNT ADJ. POP. DOSE (Sv)
 ICRP60ED    INJ      0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ      0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ      0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ      0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ      0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ       0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ       0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ       0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT      0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT      0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT      0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT      0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT      0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT       0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT       0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT       0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT      0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT      0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT       0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT      0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT      0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT       0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT      0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT      0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT       0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER     FAT      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                  PROB              QUANTILES                  PEAK     PEAK  PEAK
                                NON-ZERO   MEAN     50TH      90TH      95TH      99TH     99.5TH   CONSEQ     PROB  TRIAL
HEALTH EFFECTS USED ADJ. POP. DOSE (Sv)
 ICRP60ED    INJ      0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ      0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ      0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ      0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ      0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ       0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ       0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ       0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    INJ      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT      0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT      0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT      0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT      0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT      0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT       0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT       0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT       0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 ICRP60ED    FAT      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT      0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT      0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT       0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-THYROID   FAT      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT      0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT      0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT       0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BREAST    FAT      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT      0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT      0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT       0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LUNGS     FAT      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-RED MARR  FAT      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BONE SUR  FAT      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LIVER     FAT      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-LOWER LI  FAT      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 L-BLAD WAL  FAT      0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                  PROB              QUANTILES                  PEAK     PEAK  PEAK
                                NON-ZERO   MEAN     50TH      90TH      95TH      99TH     99.5TH   CONSEQ     PROB  TRIAL
EARLY FATALITY DISTANCE (km)
 ERL FAT/TOTAL RISK > 0.000      0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                  PROB              QUANTILES                  PEAK     PEAK  PEAK
                                NON-ZERO   MEAN     50TH      90TH      95TH      99TH     99.5TH   CONSEQ     PROB  TRIAL
POPULATION EXCEEDING DOSE
 EARLY dose A-RED MARR > 2.32 Sv     0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-LUNGS > 13.6 Sv      0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 EARLY dose A-STOMACH > 6.50 Sv     0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                                  PROB              QUANTILES                  PEAK     PEAK  PEAK
                                NON-ZERO   MEAN     50TH      90TH      95TH      99TH     99.5TH   CONSEQ     PROB  TRIAL
POPULATION DOSE (Sv)
 L-ICRP60ED  TOT LIF      0-16.1 km  1.0000  4.71E-01  3.82E-01  8.44E-01  1.01E+00  1.44E+00  1.68E+00  3.34E+00  1.14E-03  461
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 L-ICRP60ED  TOT LIF        0-80.5 km  1.0000  8.21E+02  6.99E+02  1.56E+03  2.02E+03  2.78E+03  3.10E+03  3.64E+03  1.11E-03  828
 L-ICRP60ED  TOT LIF         0-161 km  1.0000  4.21E+03  2.61E+03  9.53E+03  1.21E+04  2.01E+04  2.23E+04  2.79E+04  1.14E-03  576
 L-ICRP60ED  TOT LIF        0-1609 km  1.0000  8.69E+03  5.08E+03  2.14E+04  2.90E+04  4.51E+04  5.30E+04  7.49E+04  1.14E-03  576

                            PROB                    QUANTILES                     PEAK     PEAK  PEAK
                          NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
POPULATION WEIGHTED RISK
 CAN FAT/TOTAL              0-16.1 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL               0-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL               0-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL               0-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              0-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            16.1-32.2 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            32.2-48.3 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            48.3-64.4 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL            64.4-80.5 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             80.5-161 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              161-322 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL              322-805 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CAN FAT/TOTAL             805-1609 km  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0

                            PROB                    QUANTILES                     PEAK     PEAK  PEAK
                          NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)
 L-ICRP60ED                 0-0.2 km  1.0000  1.58E+00  1.26E+00  2.71E+00  3.30E+00  4.65E+00  5.34E+00  7.14E+00  1.14E-03  315
 L-ICRP60ED               0.2-0.5 km  1.0000  6.67E-01  5.64E-01  1.11E+00  1.37E+00  2.08E+00  2.22E+00  2.64E+00  8.56E-04  202
 L-ICRP60ED               0.5-1.2 km  1.0000  3.53E-01  3.04E-01  6.49E-01  8.65E-01  1.13E+00  1.21E+00  1.39E+00  1.13E-03  358
 L-ICRP60ED               1.2-1.6 km  1.0000  2.45E-01  2.12E-01  4.56E-01  6.17E-01  8.80E-01  9.92E-01  1.09E+00  1.13E-03  358
 L-ICRP60ED               1.6-2.1 km  1.0000  1.97E-01  1.58E-01  3.78E-01  5.13E-01  7.43E-01  8.07E-01  9.63E-01  1.13E-03  358
 L-ICRP60ED               2.1-3.2 km  1.0000  1.41E-01  1.12E-01  2.71E-01  3.50E-01  5.34E-01  5.76E-01  6.76E-01  1.13E-03  358
 L-ICRP60ED               3.2-4.0 km  1.0000  9.96E-02  8.59E-02  1.91E-01  2.45E-01  3.45E-01  3.80E-01  4.67E-01  1.13E-03  374
 L-ICRP60ED               4.0-4.8 km  1.0000  7.79E-02  7.02E-02  1.43E-01  1.79E-01  3.08E-01  3.27E-01  3.72E-01  1.13E-03  374
 L-ICRP60ED               4.8-5.6 km  1.0000  6.29E-02  5.40E-02  1.20E-01  1.49E-01  2.37E-01  2.84E-01  3.50E-01  1.13E-03  374
 L-ICRP60ED               5.6-8.1 km  1.0000  4.50E-02  3.39E-02  8.25E-02  1.03E-01  1.77E-01  2.11E-01  3.11E-01  5.99E-04  683
 L-ICRP60ED               8.1-11.3 km  1.0000  3.13E-02  2.46E-02  5.08E-02  6.56E-02  1.33E-01  1.92E-01  3.34E-01  1.14E-03  461
 L-ICRP60ED              11.3-16.1 km  1.0000  2.46E-02  2.16E-02  3.51E-02  4.61E-02  7.82E-02  9.70E-02  1.68E-01  1.14E-03  461
 L-ICRP60ED              16.1-20.9 km  1.0000  2.20E-02  2.06E-02  2.93E-02  3.67E-02  6.22E-02  7.74E-02  1.34E-01  1.14E-03  605
 L-ICRP60ED              20.9-25.8 km  1.0000  2.08E-02  2.04E-02  2.89E-02  3.37E-02  4.80E-02  6.06E-02  1.79E-01  1.14E-03  315
 L-ICRP60ED              25.8-32.2 km  1.0000  1.85E-02  1.70E-02  2.87E-02  3.22E-02  4.05E-02  4.47E-02  7.31E-02  1.14E-03  315
 L-ICRP60ED              32.2-40.2 km  1.0000  1.56E-02  1.23E-02  2.48E-02  2.85E-02  3.32E-02  3.50E-02  3.91E-02  1.13E-03  314
 L-ICRP60ED              40.2-48.3 km  1.0000  1.27E-02  9.56E-03  2.16E-02  2.46E-02  3.08E-02  3.19E-02  3.43E-02  1.13E-03  516
 L-ICRP60ED              48.3-64.4 km  1.0000  9.19E-03  7.85E-03  1.37E-02  1.76E-02  2.53E-02  2.88E-02  3.43E-02  5.99E-04  313
 L-ICRP60ED              64.4-80.5 km  1.0000  7.05E-03  7.02E-03  9.80E-03  1.18E-02  1.87E-02  2.32E-02  3.63E-02  1.13E-03  516
 L-ICRP60ED               80.5-113 km  1.0000  5.17E-03  4.53E-03  8.05E-03  8.85E-03  1.18E-02  1.38E-02  1.94E-02  1.13E-03  460
 L-ICRP60ED               113-161 km  1.0000  3.39E-03  2.77E-03  6.57E-03  7.46E-03  9.08E-03  9.88E-03  1.14E-02  1.14E-03  546
 L-ICRP60ED               161-241 km  1.0000  1.87E-03  1.44E-03  3.39E-03  4.14E-03  6.22E-03  7.25E-03  9.67E-03  1.13E-03  460
 L-ICRP60ED               241-322 km  1.0000  1.13E-03  8.83E-04  2.19E-03  2.78E-03  4.47E-03  5.21E-03  7.70E-03  3.04E-04  638
 L-ICRP60ED               322-563 km  1.0000  5.38E-04  4.33E-04  1.02E-03  1.22E-03  1.86E-03  2.13E-03  3.32E-03  3.04E-04  637
 L-ICRP60ED               563-805 km  1.0000  2.66E-04  2.15E-04  5.43E-04  6.83E-04  1.06E-03  1.22E-03  1.67E-03  1.14E-03  505
 L-ICRP60ED              805-1609 km  1.0000  5.00E-05  2.13E-05  1.27E-04  1.64E-04  2.41E-04  2.72E-04  5.00E-04  3.04E-04  632

                            PROB                    QUANTILES                     PEAK     PEAK  PEAK
                          NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
DOSE FOUND AT ALL LOCATIONS (Sv)
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   1.00E-02 Sv  1.0000  2.32E+04  1.95E+04  4.05E+04  5.08E+04  7.70E+04  8.71E+04  1.09E+05  1.15E-03  558
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   5.00E-02 Sv  1.0000  4.24E+02  2.16E+02  9.91E+02  1.54E+03  3.21E+03  3.95E+03  5.64E+03  1.14E-03  315
 AREA (ha) THAT EXCEEDS THRESHOLD
 A-THYROID  Area exceeds   5.00E-02 Sv  0.9987  2.31E+02  1.11E+02  5.65E+02  8.08E+02  1.74E+03  2.12E+03  2.66E+03  1.14E-03  461

 **** Indicates that the value is outside resolution of the analysis.
 Optionally increase number of trials for better resolution.

 "ATMOS"  DESCRIPTION = OCP2 high density no spray
 "EARLY"  DESCRIPTION = OCP2 high density no spray, EARLY input
 "CHRONC" DESCRIPTION = OCP2 high density no spray, EARLY input

SOURCE TERM  1 OF  1:
   OCP2 high density no spray

RESULTS FROM THE "CHRONC" MODULE ALONE

   COHORT13 = OCP2 high density no spray, EARLY input

                            PROB                    QUANTILES                     PEAK     PEAK  PEAK
                          NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
HEALTH EFFECTS CASES
 CAN INJ/TOTAL              0-16.1 km  1.0000  9.04E+01  7.83E+01  1.48E+02  1.86E+02  2.52E+02  2.83E+02  3.28E+02  1.14E-03  288
 CAN INJ/TOTAL              0-32.2 km  1.0000  1.58E+02  1.26E+02  2.57E+02  3.06E+02  3.54E+02  3.77E+02  5.98E+02  1.14E-04   14
 CAN INJ/TOTAL              0-48.3 km  1.0000  2.06E+02  1.81E+02  3.22E+02  3.70E+02  5.04E+02  5.30E+02  7.16E+02  1.14E-04   14
 CAN INJ/TOTAL              0-64.4 km  1.0000  3.01E+02  2.49E+02  4.94E+02  6.21E+02  1.03E+03  1.19E+03  1.63E+03  1.13E-03  714
 CAN INJ/TOTAL              0-80.5 km  1.0000  3.92E+02  3.27E+02  6.66E+02  8.26E+02  1.24E+03  1.44E+03  2.08E+03  1.13E-03  714
 CAN INJ/TOTAL               0-161 km  1.0000  6.89E+02  5.60E+02  1.21E+03  1.61E+03  2.53E+03  2.94E+03  4.78E+03  1.13E-03  117
 CAN INJ/TOTAL               0-322 km  1.0000  1.27E+03  1.02E+03  2.31E+03  2.94E+03  4.29E+03  5.06E+03  9.09E+03  1.14E-03  576
 CAN INJ/TOTAL               0-805 km  1.0000  3.66E+03  1.89E+03  9.09E+03  1.27E+04  2.23E+04  2.56E+04  3.24E+04  1.14E-03  393
 CAN INJ/TOTAL              0-1609 km  1.0000  4.55E+03  2.09E+03  1.05E+04  1.58E+04  3.92E+04  5.30E+04  8.08E+04  1.13E-03  396
 CAN FAT/TOTAL              0-16.1 km  1.0000  3.97E+01  3.36E+01  6.85E+01  8.05E+01  1.08E+02  1.19E+02  1.44E+02  1.14E-03  288
 CAN FAT/TOTAL              0-32.2 km  1.0000  6.85E+01  6.04E+01  1.06E+02  1.18E+02  1.50E+02  1.67E+02  2.61E+02  1.14E-04   14
 CAN FAT/TOTAL              0-48.3 km  1.0000  8.94E+01  7.89E+01  1.31E+02  1.55E+02  2.09E+02  2.21E+02  3.12E+02  1.14E-04   14
 CAN FAT/TOTAL              0-64.4 km  1.0000  1.31E+02  1.09E+02  2.20E+02  2.73E+02  4.45E+02  5.30E+02  7.06E+02  1.13E-03  714
 CAN FAT/TOTAL              0-80.5 km  1.0000  1.70E+02  1.36E+02  2.87E+02  3.53E+02  5.59E+02  6.80E+02  9.04E+02  1.13E-03  714
 CAN FAT/TOTAL               0-161 km  1.0000  2.97E+02  2.37E+02  5.31E+02  7.16E+02  1.06E+03  1.43E+03  2.09E+03  1.13E-03  117
 CAN FAT/TOTAL               0-322 km  1.0000  5.42E+02  4.27E+02  1.00E+03  1.19E+03  1.78E+03  2.19E+03  3.96E+03  1.14E-03  576
 CAN FAT/TOTAL               0-805 km  1.0000  1.55E+03  8.03E+02  3.78E+03  5.55E+03  9.05E+03  1.06E+04  1.36E+04  1.14E-03  393
 CAN FAT/TOTAL              0-1609 km  1.0000  1.92E+03  8.82E+02  4.52E+03  6.71E+03  1.60E+04  2.14E+04  3.40E+04  1.13E-03  396
 CAN FAT/THYROID            0-16.1 km  1.0000  2.09E-01  1.74E-01  3.50E-01  4.31E-01  5.95E-01  6.63E-01  7.45E-01  1.14E-04   14
 CAN FAT/THYROID            0-80.5 km  1.0000  1.28E+00  1.01E+00  2.39E+00  3.12E+00  4.83E+00  6.10E+00  8.36E+00  1.11E-03  828
 CAN FAT/THYROID             0-161 km  1.0000  2.42E+00  1.71E+00  4.49E+00  6.50E+00  1.21E+01  1.53E+01  2.56E+01  1.15E-03  711
 CAN FAT/THYROID            0-1609 km  1.0000  1.35E+01  6.37E+00  3.17E+01  4.84E+01  1.08E+02  1.31E+02  2.17E+02  1.13E-03  396
 CAN FAT/BREAST             0-16.1 km  1.0000  2.71E+00  2.32E+00  4.76E+00  5.59E+00  7.21E+00  7.54E+00  9.64E+00  1.14E-04   14
 CAN FAT/BREAST             0-80.5 km  1.0000  1.31E+01  1.08E+01  2.23E+01  2.83E+01  4.49E+01  5.30E+01  7.65E+01  1.13E-03  714
 CAN FAT/BREAST              0-161 km  1.0000  2.29E+01  1.77E+01  4.08E+01  5.57E+01  8.53E+01  9.80E+01  1.89E+02  1.13E-03  117
 CAN FAT/BREAST             0-1609 km  1.0000  1.37E+02  6.44E+01  3.15E+02  4.65E+02  1.08E+03  1.31E+03  2.32E+03  1.13E-03  396
 CAN FAT/LUNG               0-16.1 km  1.0000  6.10E+00  5.31E+00  1.05E+01  1.21E+01  1.70E+01  1.97E+01  2.19E+01  1.14E-04   14
 CAN FAT/LUNG               0-80.5 km  1.0000  2.98E+01  2.42E+01  5.25E+01  6.62E+01  1.04E+02  1.21E+02  1.67E+02  1.13E-03  714
 CAN FAT/LUNG                0-161 km  1.0000  5.30E+01  3.98E+01  9.78E+01  1.24E+02  2.11E+02  2.65E+02  4.29E+02  1.15E-03  711
 CAN FAT/LUNG               0-1609 km  1.0000  3.08E+02  1.45E+02  7.17E+02  1.09E+03  2.47E+03  3.27E+03  5.24E+03  1.13E-03  396
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| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAN FAT/LEUKEMIA | 0-1609 km | 1.0000 | 1.82E+02 | 8.54E+01 | 4.22E+02 | 6.25E+02 | 1.33E+03 | 1.90E+03 | 3.15E+03 | 1.13E-03 | 396 | | |
| CAN FAT/BONE | 0-1609 km | 1.0000 | 3.54E+00 | 1.70E+00 | 8.13E+00 | 1.21E+01 | 3.05E+01 | 3.57E+01 | 5.89E+01 | 1.13E-03 | 396 | | |
| CAN FAT/LIVER | 0-1609 km | 1.0000 | 4.94E+01 | 2.26E+01 | 1.12E+02 | 1.68E+02 | 4.00E+02 | 5.30E+02 | 8.54E+02 | 1.13E-03 | 396 | | |
| CAN FAT/COLON | 0-1609 km | 1.0000 | 4.04E+02 | 1.81E+02 | 9.60E+02 | 1.38E+03 | 3.51E+03 | 4.78E+03 | 7.19E+03 | 1.13E-03 | 396 | | |
| CAN FAT/RESIDUAL | 0-1609 km | 1.0000 | 8.40E+02 | 3.70E+02 | 1.96E+03 | 3.03E+03 | 7.66E+03 | 9.67E+03 | 1.50E+04 | 1.13E-03 | 396 | | |

| | PROB NON-ZERO | MEAN | QUANTILES 50TH | 90TH | 95TH | 99TH | 99.5TH | PEAK CONSEQ | PEAK PROB | PEAK TRIAL |
|---|---|---|---|---|---|---|---|---|---|---|
| HEALTH EFFECTS LNT ADJ. POP. DOSE (Sv) | | | | | | | | | | |
| ICRP60ED INJ | 0-16.1 km | 1.0000 | 1.07E+03 | 1.01E+03 | 1.52E+03 | 1.81E+03 | 2.17E+03 | 2.27E+03 | 2.91E+03 | 1.14E-04 | 14 |
| ICRP60ED INJ | 0-32.2 km | 1.0000 | 5.66E+03 | 5.32E+03 | 8.68E+03 | 1.00E+04 | 1.19E+04 | 1.28E+04 | 1.51E+04 | 1.14E-03 | 50 |
| ICRP60ED INJ | 0-48.3 km | 1.0000 | 1.35E+04 | 1.16E+04 | 2.09E+04 | 2.27E+04 | 2.76E+04 | 3.00E+04 | 3.42E+04 | 1.14E-03 | 944 |
| ICRP60ED INJ | 0-64.4 km | 1.0000 | 2.77E+04 | 2.38E+04 | 4.88E+04 | 5.62E+04 | 7.25E+04 | 7.71E+04 | 8.77E+04 | 1.13E-03 | 714 |
| ICRP60ED INJ | 0-80.5 km | 1.0000 | 4.08E+04 | 3.60E+04 | 6.88E+04 | 7.59E+04 | 9.31E+04 | 1.01E+05 | 1.12E+05 | 1.12E-03 | 391 |
| ICRP60ED INJ | 0-161 km | 1.0000 | 1.17E+05 | 1.02E+05 | 2.11E+05 | 2.32E+05 | 2.90E+05 | 3.16E+05 | 3.77E+05 | 1.11E-03 | 103 |
| ICRP60ED INJ | 0-322 km | 1.0000 | 2.59E+05 | 1.73E+05 | 5.88E+05 | 7.05E+05 | 8.06E+05 | 8.54E+05 | 9.65E+05 | 1.14E-03 | 547 |
| ICRP60ED INJ | 0-805 km | 1.0000 | 3.69E+05 | 2.98E+05 | 7.57E+05 | 8.52E+05 | 1.05E+06 | 1.11E+06 | 1.26E+06 | 1.11E-03 | 139 |
| ICRP60ED INJ | 0-1609 km | 1.0000 | 3.97E+05 | 3.27E+05 | 7.95E+05 | 9.18E+05 | 1.13E+06 | 1.20E+06 | 1.39E+06 | 1.13E-03 | 396 |
| ICRP60ED FAT | 0-16.1 km | 1.0000 | 1.07E+03 | 1.01E+03 | 1.52E+03 | 1.81E+03 | 2.17E+03 | 2.27E+03 | 2.91E+03 | 1.14E-04 | 14 |
| ICRP60ED FAT | 0-32.2 km | 1.0000 | 5.66E+03 | 5.32E+03 | 8.68E+03 | 1.00E+04 | 1.19E+04 | 1.28E+04 | 1.51E+04 | 1.14E-03 | 50 |
| ICRP60ED FAT | 0-48.3 km | 1.0000 | 1.35E+04 | 1.16E+04 | 2.09E+04 | 2.27E+04 | 2.76E+04 | 3.00E+04 | 3.42E+04 | 1.14E-03 | 944 |
| ICRP60ED FAT | 0-64.4 km | 1.0000 | 2.77E+04 | 2.38E+04 | 4.88E+04 | 5.62E+04 | 7.25E+04 | 7.71E+04 | 8.77E+04 | 1.13E-03 | 714 |
| ICRP60ED FAT | 0-80.5 km | 1.0000 | 4.08E+04 | 3.60E+04 | 6.88E+04 | 7.59E+04 | 9.31E+04 | 1.01E+05 | 1.12E+05 | 1.12E-03 | 391 |
| ICRP60ED FAT | 0-161 km | 1.0000 | 1.17E+05 | 1.02E+05 | 2.11E+05 | 2.32E+05 | 2.90E+05 | 3.16E+05 | 3.77E+05 | 1.11E-03 | 103 |
| ICRP60ED FAT | 0-322 km | 1.0000 | 2.59E+05 | 1.73E+05 | 5.88E+05 | 7.05E+05 | 8.06E+05 | 8.54E+05 | 9.65E+05 | 1.14E-03 | 547 |
| ICRP60ED FAT | 0-805 km | 1.0000 | 3.69E+05 | 2.98E+05 | 7.57E+05 | 8.52E+05 | 1.05E+06 | 1.11E+06 | 1.26E+06 | 1.11E-03 | 139 |
| ICRP60ED FAT | 0-1609 km | 1.0000 | 3.97E+05 | 3.27E+05 | 7.95E+05 | 9.18E+05 | 1.13E+06 | 1.20E+06 | 1.39E+06 | 1.13E-03 | 396 |
| L-THYROID FAT | 0-16.1 km | 1.0000 | 9.93E+02 | 9.15E+02 | 1.39E+03 | 1.63E+03 | 2.08E+03 | 2.17E+03 | 2.71E+03 | 1.14E-04 | 14 |
| L-THYROID FAT | 0-80.5 km | 1.0000 | 4.25E+04 | 3.73E+04 | 7.13E+04 | 8.02E+04 | 1.02E+05 | 1.07E+05 | 1.18E+05 | 1.13E-03 | 908 |
| L-THYROID FAT | 0-161 km | 1.0000 | 1.23E+05 | 1.04E+05 | 2.18E+05 | 2.44E+05 | 3.10E+05 | 3.33E+05 | 3.90E+05 | 1.11E-03 | 103 |
| L-THYROID FAT | 0-1609 km | 1.0000 | 4.17E+05 | 3.36E+05 | 8.33E+05 | 9.90E+05 | 1.19E+06 | 1.28E+06 | 1.51E+06 | 1.13E-03 | 396 |
| L-BREAST FAT | 0-16.1 km | 1.0000 | 8.78E+02 | 8.00E+02 | 1.22E+03 | 1.36E+03 | 1.77E+03 | 1.99E+03 | 2.31E+03 | 1.14E-04 | 14 |
| L-BREAST FAT | 0-80.5 km | 1.0000 | 3.99E+04 | 3.55E+04 | 6.84E+04 | 7.53E+04 | 9.11E+04 | 9.88E+04 | 1.10E+05 | 1.13E-03 | 714 |
| L-BREAST FAT | 0-161 km | 1.0000 | 1.15E+05 | 1.02E+05 | 2.09E+05 | 2.30E+05 | 2.85E+05 | 3.12E+05 | 3.78E+05 | 1.11E-03 | 103 |
| L-BREAST FAT | 0-1609 km | 1.0000 | 3.85E+05 | 3.19E+05 | 7.80E+05 | 8.95E+05 | 1.07E+06 | 1.12E+06 | 1.22E+06 | 1.13E-03 | 396 |
| L-LUNGS FAT | 0-16.1 km | 1.0000 | 9.48E+02 | 8.69E+02 | 1.34E+03 | 1.55E+03 | 2.04E+03 | 2.12E+03 | 2.60E+03 | 1.14E-04 | 14 |
| L-LUNGS FAT | 0-80.5 km | 1.0000 | 3.90E+04 | 3.49E+04 | 6.53E+04 | 7.37E+04 | 8.84E+04 | 9.57E+04 | 1.07E+05 | 1.13E-03 | 714 |
| L-LUNGS FAT | 0-161 km | 1.0000 | 1.12E+05 | 1.01E+05 | 2.06E+05 | 2.25E+05 | 2.78E+05 | 3.04E+05 | 3.64E+05 | 1.11E-03 | 103 |
| L-LUNGS FAT | 0-1609 km | 1.0000 | 3.80E+05 | 3.15E+05 | 7.71E+05 | 8.86E+05 | 1.09E+06 | 1.15E+06 | 1.29E+06 | 1.13E-03 | 396 |
| L-RED MARR FAT | 0-1609 km | 1.0000 | 3.99E+05 | 3.27E+05 | 7.89E+05 | 9.12E+05 | 1.14E+06 | 1.23E+06 | 1.45E+06 | 1.13E-03 | 396 |
| L-BONE SUR FAT | 0-1609 km | 1.0000 | 5.70E+05 | 4.91E+05 | 1.08E+06 | 1.18E+06 | 1.45E+06 | 1.58E+06 | 1.91E+06 | 1.13E-03 | 396 |
| L-LIVER FAT | 0-1609 km | 1.0000 | 3.64E+05 | 3.07E+05 | 7.41E+05 | 8.45E+05 | 1.07E+06 | 1.14E+06 | 1.32E+06 | 1.13E-03 | 396 |
| L-LOWER LI FAT | 0-1609 km | 1.0000 | 3.83E+05 | 3.17E+05 | 7.67E+05 | 8.92E+05 | 1.14E+06 | 1.25E+06 | 1.50E+06 | 1.13E-03 | 396 |
| L-BLAD WAL FAT | 0-1609 km | 1.0000 | 3.44E+05 | 2.89E+05 | 7.11E+05 | 7.93E+05 | 1.02E+06 | 1.11E+06 | 1.33E+06 | 1.13E-03 | 396 |

| | PROB NON-ZERO | MEAN | QUANTILES 50TH | 90TH | 95TH | 99TH | 99.5TH | PEAK CONSEQ | PEAK PROB | PEAK TRIAL |
|---|---|---|---|---|---|---|---|---|---|---|
| HEALTH EFFECTS USED ADJ. POP. DOSE (Sv) | | | | | | | | | | |
| ICRP60ED INJ | 0-16.1 km | 1.0000 | 6.81E+02 | 5.87E+02 | 1.13E+03 | 1.34E+03 | 2.00E+03 | 2.06E+03 | 2.42E+03 | 1.14E-04 | 14 |
| ICRP60ED INJ | 0-32.2 km | 1.0000 | 1.19E+03 | 1.04E+03 | 1.97E+03 | 2.25E+03 | 3.00E+03 | 3.19E+03 | 4.48E+03 | 1.14E-04 | 14 |
| ICRP60ED INJ | 0-48.3 km | 1.0000 | 1.57E+03 | 1.29E+03 | 2.45E+03 | 2.92E+03 | 3.41E+03 | 3.62E+03 | 5.39E+03 | 1.14E-04 | 14 |
| ICRP60ED INJ | 0-64.4 km | 1.0000 | 2.32E+03 | 2.01E+03 | 3.83E+03 | 4.83E+03 | 7.93E+03 | 9.72E+03 | 1.29E+04 | 1.13E-03 | 714 |
| ICRP60ED INJ | 0-80.5 km | 1.0000 | 3.03E+03 | 2.50E+03 | 5.13E+03 | 6.53E+03 | 9.98E+03 | 1.17E+04 | 1.66E+04 | 1.13E-03 | 714 |
| ICRP60ED INJ | 0-161 km | 1.0000 | 5.32E+03 | 4.12E+03 | 9.75E+03 | 1.20E+04 | 1.88E+04 | 2.51E+04 | 3.90E+04 | 1.13E-03 | 117 |
| ICRP60ED INJ | 0-322 km | 1.0000 | 9.54E+03 | 7.70E+03 | 1.69E+04 | 2.18E+04 | 3.43E+04 | 4.09E+04 | 7.33E+04 | 1.14E-03 | 576 |
| ICRP60ED INJ | 0-805 km | 1.0000 | 2.67E+04 | 1.37E+04 | 6.46E+04 | 9.85E+04 | 1.51E+05 | 1.81E+05 | 2.33E+05 | 1.14E-03 | 393 |
| ICRP60ED INJ | 0-1609 km | 1.0000 | 3.39E+04 | 1.50E+04 | 8.02E+04 | 1.21E+05 | 3.01E+05 | 3.54E+05 | 5.78E+05 | 1.13E-03 | 396 |
| ICRP60ED FAT | 0-16.1 km | 1.0000 | 6.81E+02 | 5.87E+02 | 1.13E+03 | 1.34E+03 | 2.00E+03 | 2.06E+03 | 2.42E+03 | 1.14E-04 | 14 |
| ICRP60ED FAT | 0-32.2 km | 1.0000 | 1.19E+03 | 1.04E+03 | 1.97E+03 | 2.25E+03 | 3.00E+03 | 3.19E+03 | 4.48E+03 | 1.14E-04 | 14 |
| ICRP60ED FAT | 0-48.3 km | 1.0000 | 1.57E+03 | 1.29E+03 | 2.45E+03 | 2.92E+03 | 3.41E+03 | 3.62E+03 | 5.39E+03 | 1.14E-04 | 14 |
| ICRP60ED FAT | 0-64.4 km | 1.0000 | 2.32E+03 | 2.01E+03 | 3.83E+03 | 4.83E+03 | 7.93E+03 | 9.72E+03 | 1.29E+04 | 1.13E-03 | 714 |
| ICRP60ED FAT | 0-80.5 km | 1.0000 | 3.03E+03 | 2.50E+03 | 5.13E+03 | 6.53E+03 | 9.98E+03 | 1.17E+04 | 1.66E+04 | 1.13E-03 | 714 |
| ICRP60ED FAT | 0-161 km | 1.0000 | 5.32E+03 | 4.12E+03 | 9.75E+03 | 1.20E+04 | 1.88E+04 | 2.51E+04 | 3.90E+04 | 1.13E-03 | 117 |
| ICRP60ED FAT | 0-322 km | 1.0000 | 9.54E+03 | 7.70E+03 | 1.69E+04 | 2.18E+04 | 3.43E+04 | 4.09E+04 | 7.33E+04 | 1.14E-03 | 576 |
| ICRP60ED FAT | 0-805 km | 1.0000 | 2.67E+04 | 1.37E+04 | 6.46E+04 | 9.85E+04 | 1.51E+05 | 1.81E+05 | 2.33E+05 | 1.14E-03 | 393 |
| ICRP60ED FAT | 0-1609 km | 1.0000 | 3.39E+04 | 1.50E+04 | 8.02E+04 | 1.21E+05 | 3.01E+05 | 3.54E+05 | 5.78E+05 | 1.13E-03 | 396 |
| L-THYROID FAT | 0-16.1 km | 1.0000 | 6.46E+02 | 5.59E+02 | 1.08E+03 | 1.27E+03 | 1.84E+03 | 2.02E+03 | 2.30E+03 | 1.14E-04 | 14 |
| L-THYROID FAT | 0-80.5 km | 1.0000 | 3.95E+03 | 3.14E+03 | 7.39E+03 | 9.78E+03 | 1.50E+04 | 1.81E+04 | 2.58E+04 | 1.11E-03 | 828 |
| L-THYROID FAT | 0-161 km | 1.0000 | 7.46E+03 | 5.49E+03 | 1.36E+04 | 2.00E+04 | 3.49E+04 | 4.13E+04 | 7.91E+04 | 1.15E-03 | 711 |
| L-THYROID FAT | 0-1609 km | 1.0000 | 4.18E+04 | 1.97E+04 | 9.94E+04 | 1.42E+05 | 3.41E+05 | 4.77E+05 | 6.69E+05 | 1.13E-03 | 396 |
| L-BREAST FAT | 0-16.1 km | 1.0000 | 5.35E+02 | 4.60E+02 | 9.35E+02 | 1.05E+03 | 1.23E+03 | 1.32E+03 | 1.90E+03 | 1.14E-04 | 14 |
| L-BREAST FAT | 0-80.5 km | 1.0000 | 2.58E+03 | 2.16E+03 | 4.39E+03 | 5.59E+03 | 9.00E+03 | 1.07E+04 | 1.51E+04 | 1.13E-03 | 714 |
| L-BREAST FAT | 0-161 km | 1.0000 | 4.52E+03 | 3.48E+03 | 8.03E+03 | 1.07E+04 | 1.63E+04 | 1.95E+04 | 3.74E+04 | 1.13E-03 | 117 |
| L-BREAST FAT | 0-1609 km | 1.0000 | 2.73E+04 | 1.25E+04 | 6.40E+04 | 9.48E+04 | 2.22E+05 | 2.89E+05 | 4.59E+05 | 1.13E-03 | 396 |
| L-LUNGS FAT | 0-16.1 km | 1.0000 | 6.16E+02 | 5.35E+02 | 1.05E+03 | 1.21E+03 | 1.70E+03 | 1.97E+03 | 2.21E+03 | 1.14E-04 | 14 |
| L-LUNGS FAT | 0-80.5 km | 1.0000 | 3.01E+03 | 2.43E+03 | 5.29E+03 | 6.68E+03 | 1.05E+04 | 1.22E+04 | 1.69E+04 | 1.13E-03 | 714 |
| L-LUNGS FAT | 0-161 km | 1.0000 | 5.35E+03 | 4.04E+03 | 9.92E+03 | 1.25E+04 | 2.11E+04 | 2.65E+04 | 4.34E+04 | 1.15E-03 | 711 |
| L-LUNGS FAT | 0-1609 km | 1.0000 | 3.16E+04 | 1.46E+04 | 7.29E+04 | 1.09E+05 | 2.60E+05 | 3.39E+05 | 5.30E+05 | 1.13E-03 | 396 |
| L-RED MARR FAT | 0-1609 km | 1.0000 | 3.31E+04 | 1.48E+04 | 7.65E+04 | 1.16E+05 | 3.01E+05 | 3.54E+05 | 5.67E+05 | 1.13E-03 | 396 |
| L-BONE SUR FAT | 0-1609 km | 1.0000 | 3.72E+04 | 1.79E+04 | 8.64E+04 | 1.25E+05 | 3.17E+05 | 3.67E+05 | 6.20E+05 | 1.13E-03 | 396 |
| L-LIVER FAT | 0-1609 km | 1.0000 | 3.30E+04 | 1.43E+04 | 7.71E+04 | 1.17E+05 | 3.01E+05 | 3.54E+05 | 5.70E+05 | 1.13E-03 | 396 |
| L-LOWER LI FAT | 0-1609 km | 1.0000 | 3.95E+04 | 1.73E+04 | 9.66E+04 | 1.38E+05 | 3.41E+05 | 4.77E+05 | 6.92E+05 | 1.13E-03 | 396 |
| L-BLAD WAL FAT | 0-1609 km | 1.0000 | 3.48E+04 | 1.49E+04 | 8.35E+04 | 1.25E+05 | 3.17E+05 | 3.67E+05 | 6.07E+05 | 1.13E-03 | 396 |

| | PROB NON-ZERO | MEAN | QUANTILES 50TH | 90TH | 95TH | 99TH | 99.5TH | PEAK CONSEQ | PEAK PROB | PEAK TRIAL |
|---|---|---|---|---|---|---|---|---|---|---|
| POPULATION DOSE (Sv) | | | | | | | | | | |
| L-ICRP60ED TOT LIF | 0-16.1 km | 1.0000 | 2.77E+03 | 2.47E+03 | 3.76E+03 | 4.32E+03 | 5.42E+03 | 5.78E+03 | 7.66E+03 | 3.71E-04 | 89 |
| L-ICRP60ED TOT LIF | 0-80.5 km | 1.0000 | 4.07E+04 | 3.62E+04 | 6.75E+04 | 7.45E+04 | 8.88E+04 | 9.58E+04 | 1.08E+05 | 1.13E-03 | 714 |
| L-ICRP60ED TOT LIF | 0-161 km | 1.0000 | 1.12E+05 | 1.01E+05 | 2.04E+05 | 2.24E+05 | 2.78E+05 | 3.04E+05 | 3.60E+05 | 1.11E-03 | 103 |
| L-ICRP60ED TOT LIF | 0-1609 km | 1.0000 | 3.91E+05 | 3.24E+05 | 7.70E+05 | 8.85E+05 | 1.10E+06 | 1.18E+06 | 1.36E+06 | 1.13E-03 | 396 |

| | PROB NON-ZERO | MEAN | QUANTILES 50TH | 90TH | 95TH | 99TH | 99.5TH | PEAK CONSEQ | PEAK PROB | PEAK TRIAL |
|---|---|---|---|---|---|---|---|---|---|---|
| POPULATION WEIGHTED RISK | | | | | | | | | | |
| CAN FAT/TOTAL | 0-16.1 km | 1.0000 | 3.72E-07 | 2.86E-07 | 7.42E-07 | 9.39E-07 | 1.56E-06 | 1.94E-06 | 5.15E-06 | 1.14E-03 | 461 |
| CAN FAT/TOTAL | 0-32.2 km | 1.0000 | 2.19E-07 | 1.70E-07 | 4.08E-07 | 5.22E-07 | 7.59E-07 | 8.29E-07 | 1.04E-06 | 1.14E-03 | 345 |
| CAN FAT/TOTAL | 0-48.3 km | 1.0000 | 1.41E-07 | 1.09E-07 | 2.65E-07 | 3.34E-07 | 5.17E-07 | 5.69E-07 | 7.04E-07 | 1.14E-03 | 345 |
| CAN FAT/TOTAL | 0-64.4 km | 1.0000 | 1.74E-06 | 1.30E-07 | 5.28E-06 | 7.97E-06 | 2.11E-05 | 2.81E-05 | 4.67E-05 | 1.15E-03 | 645 |
| CAN FAT/TOTAL | 0-80.5 km | 1.0000 | 2.45E-06 | 3.00E-07 | 7.67E-06 | 1.09E-05 | 2.12E-05 | 2.81E-05 | 5.69E-05 | 1.11E-03 | 828 |
| CAN FAT/TOTAL | 0-161 km | 1.0000 | 1.50E-06 | 2.03E-07 | 3.46E-06 | 6.59E-06 | 2.02E-05 | 2.61E-05 | 5.26E-05 | 1.14E-03 | 576 |
| CAN FAT/TOTAL | 0-322 km | 1.0000 | 6.01E-07 | 8.08E-08 | 1.39E-06 | 2.73E-06 | 7.95E-06 | 1.06E-05 | 2.06E-05 | 1.14E-03 | 576 |
| CAN FAT/TOTAL | 0-805 km | 1.0000 | 2.67E-07 | 3.50E-08 | 6.44E-07 | 1.19E-06 | 3.36E-06 | 4.35E-06 | 9.15E-06 | 2.29E-03 | 576 |
| CAN FAT/TOTAL | 0-1609 km | 1.0000 | 1.51E-07 | 2.04E-08 | 3.43E-07 | 6.71E-07 | 1.90E-06 | 2.57E-06 | 5.16E-06 | 1.14E-03 | 576 |
| CAN FAT/TOTAL | 16.1-32.2 km | 0.9932 | 2.03E-07 | 1.44E-07 | 4.20E-07 | 5.41E-07 | 8.45E-07 | 1.01E-06 | 1.14E-06 | 1.14E-03 | 345 |
| CAN FAT/TOTAL | 32.2-48.3 km | 0.9519 | 1.02E-07 | 7.15E-08 | 2.37E-07 | 3.09E-07 | 4.56E-07 | 5.19E-07 | 6.18E-07 | 1.13E-03 | 556 |
| CAN FAT/TOTAL | 48.3-64.4 km | 0.6969 | 2.81E-06 | 6.59E-08 | 8.77E-06 | 1.33E-05 | 3.34E-05 | 4.63E-05 | 7.78E-05 | 1.15E-03 | 645 |
| CAN FAT/TOTAL | 64.4-80.5 km | 0.4159 | 3.68E-06 | 0.00E+00 | 1.27E-05 | 1.99E-05 | 3.66E-05 | 4.47E-05 | 7.56E-05 | 1.11E-03 | 828 |
| CAN FAT/TOTAL | 80.5-161 km | 0.2465 | 1.12E-06 | 0.00E+00 | 1.74E-06 | 5.66E-06 | 2.21E-05 | 3.47E-05 | 6.87E-05 | 1.14E-03 | 576 |
| CAN FAT/TOTAL | 161-322 km | 0.0060 | 2.02E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.35E-07 | 7.94E-06 | 1.14E-03 | 546 |
| CAN FAT/TOTAL | 322-805 km | 0.0000 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0 |
| CAN FAT/TOTAL | 805-1609 km | 0.0000 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0 |

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                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)
 L-ICRP60ED            0-0.2 km  0.3452  2.33E-02  0.00E+00  7.11E-02  7.22E-02  7.48E-02  7.59E-02  7.84E-02  1.14E-03  879
 L-ICRP60ED            0.2-0.5 km  0.7742  5.10E-02  6.45E-02  7.20E-02  7.30E-02  7.52E-02  7.62E-02  7.84E-02  1.13E-03  261
 L-ICRP60ED            0.5-1.2 km  0.9243  7.77E-02  7.51E-02  1.07E-01  1.14E-01  1.30E-01  1.38E-01  1.56E-01  1.14E-03  693
 L-ICRP60ED            1.2-1.6 km  0.9206  7.10E-02  7.27E-02  1.02E-01  1.09E-01  1.27E-01  1.35E-01  1.55E-01  1.14E-03  605
 L-ICRP60ED            1.6-2.1 km  0.9246  6.87E-02  7.17E-02  1.01E-01  1.08E-01  1.27E-01  1.35E-01  1.56E-01  1.14E-03   55
 L-ICRP60ED            2.1-3.2 km  0.9525  9.92E-02  1.00E-01  1.12E-01  1.17E-01  1.30E-01  1.36E-01  1.56E-01  5.99E-04  149
 L-ICRP60ED            3.2-4.0 km  0.9590  9.42E-02  9.46E-02  1.12E-01  1.18E-01  1.33E-01  1.40E-01  1.56E-01  1.14E-03  677
 L-ICRP60ED            4.0-4.8 km  0.9576  9.87E-02  1.00E-01  1.13E-01  1.19E-01  1.33E-01  1.40E-01  1.56E-01  1.14E-03  176
 L-ICRP60ED            4.8-5.6 km  0.9722  9.73E-02  9.61E-02  1.12E-01  1.18E-01  1.33E-01  1.40E-01  1.56E-01  1.14E-03  903
 L-ICRP60ED            5.6-8.1 km  0.9887  7.87E-02  7.59E-02  1.05E-01  1.11E-01  1.28E-01  1.37E-01  1.56E-01  1.09E-03   35
 L-ICRP60ED            8.1-11.3 km  0.9955  6.95E-02  7.03E-02  7.27E-02  7.38E-02  7.63E-02  7.74E-02  7.99E-02  1.15E-03  115
 L-ICRP60ED            11.3-16.1 km  0.9978  7.13E-02  7.05E-02  7.28E-02  7.39E-02  7.63E-02  7.74E-02  7.99E-02  1.11E-03  934
 L-ICRP60ED            16.1-20.9 km  0.9989  7.20E-02  7.04E-02  7.20E-02  7.28E-02  7.45E-02  7.53E-02  7.92E-02  1.43E-04  160
 L-ICRP60ED            20.9-25.8 km  1.0000  7.20E-02  7.05E-02  7.27E-02  7.37E-02  7.60E-02  7.70E-02  7.92E-02  1.11E-03  934
 L-ICRP60ED            25.8-32.2 km  1.0000  7.03E-02  7.02E-02  7.19E-02  7.27E-02  7.44E-02  7.52E-02  7.92E-02  1.43E-04    8
 L-ICRP60ED            32.2-40.2 km  1.0000  6.64E-02  6.62E-02  7.22E-02  7.32E-02  7.57E-02  7.69E-02  7.92E-02  1.15E-03  154
 L-ICRP60ED            40.2-48.3 km  1.0000  6.22E-02  5.90E-02  7.12E-02  7.20E-02  7.40E-02  7.48E-02  7.92E-02  1.52E-04   94
 L-ICRP60ED            48.3-64.4 km  1.0000  5.59E-02  5.33E-02  7.01E-02  7.11E-02  7.35E-02  7.45E-02  7.88E-02  3.23E-04   93
 L-ICRP60ED            64.4-80.5 km  1.0000  5.20E-02  5.08E-02  6.42E-02  7.02E-02  7.40E-02  7.58E-02  7.97E-02  1.09E-03  287
 L-ICRP60ED            80.5-113 km  1.0000  4.86E-02  4.44E-02  5.85E-02  6.32E-02  7.22E-02  7.45E-02  7.96E-02  1.15E-03  462
 L-ICRP60ED            113-161 km  1.0000  4.55E-02  3.85E-02  5.31E-02  5.55E-02  6.16E-02  6.44E-02  7.23E-02  1.14E-03   85
 L-ICRP60ED            161-241 km  1.0000  4.17E-02  3.41E-02  4.86E-02  5.13E-02  5.50E-02  5.68E-02  6.06E-02  1.13E-03  460
 L-ICRP60ED            241-322 km  1.0000  3.72E-02  3.23E-02  4.20E-02  4.70E-02  5.24E-02  5.39E-02  5.70E-02  1.15E-03  270
 L-ICRP60ED            322-563 km  1.0000  2.95E-02  3.01E-02  3.55E-02  3.81E-02  4.48E-02  4.81E-02  5.13E-02  1.14E-03  514
 L-ICRP60ED            563-805 km  1.0000  2.28E-02  2.05E-02  3.35E-02  3.56E-02  4.10E-02  4.35E-02  4.96E-02  1.13E-03  359
 L-ICRP60ED            805-1609 km  1.0000  5.76E-03  2.50E-03  1.53E-02  2.04E-02  2.68E-02  3.01E-02  4.48E-02  3.04E-04  632

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
L-ICRP60ED  POP. DOSE (Sv)    0-16.1 km
 TOTAL LONG-TERM PATHWAYS DOSE          1.0000  2.77E+03  2.47E+03  3.76E+03  4.32E+03  5.42E+03  5.78E+03  7.66E+03  3.71E-04   89
 LONG-TERM DIRECT EXPOSURE PATHWAYS     1.0000  3.13E+02  2.62E+02  5.84E+02  7.16E+02  9.83E+02  1.13E+03  1.50E+03  1.15E-03  911
 TOTAL INGESTION PATHWAYS DOSE          1.0000  2.42E+03  2.18E+03  3.48E+03  3.97E+03  5.21E+03  5.58E+03  7.51E+03  3.71E-04   89
 LONG-TERM GROUNDSHINE DOSE             1.0000  3.12E+02  2.61E+02  5.83E+02  7.16E+02  9.83E+02  1.13E+03  1.50E+03  1.15E-03  911
 LONG-TERM RESUSPENSION DOSE            1.0000  5.23E-01  4.14E-01  1.02E+00  1.20E+00  1.75E+00  2.05E+00  2.67E+00  1.15E-03  911
 WATER INGESTION DOSE                   1.0000  2.39E+03  2.15E+03  3.45E+03  3.93E+03  5.16E+03  5.50E+03  7.50E+03  3.71E-04   89
 POP.-DEPENDENT DECONTAMINATION DOSE    1.0000  2.85E+01  2.25E+01  5.62E+01  7.01E+01  1.00E+02  1.11E+02  1.36E+02  1.15E-03  911
 FARM-DEPENDENT DECONTAMINATION DOSE    1.0000  1.83E+00  1.35E+00  3.61E+00  4.74E+00  6.53E+00  7.32E+00  9.04E+00  1.14E-03  404
 INGESTION OF GRAINS                    1.0000  1.03E+00  8.21E-01  2.07E+00  2.42E+00  3.13E+00  3.28E+00  4.20E+00  1.14E-04  275
 INGESTION OF LEAF VEG                  1.0000  7.50E+00  6.00E+00  1.48E+01  1.90E+01  2.35E+01  2.54E+01  3.28E+01  1.13E-03  586
 INGESTION OF ROOT CROPS                1.0000  4.89E+00  3.76E+00  1.02E+01  1.13E+01  1.44E+01  1.60E+01  2.15E+01  1.13E-03  586
 INGESTION OF FRUITS                    1.0000  4.36E+00  3.49E+00  8.28E+00  1.02E+01  1.34E+01  1.51E+01  1.94E+01  1.14E-03  404
 INGESTION OF LEGUMES                   1.0000  8.93E+00  6.99E+00  1.83E+01  2.18E+01  2.89E+01  3.21E+01  3.98E+01  1.13E-03  586
 INGESTION OF BEEF                      1.0000  3.25E+00  2.51E+00  6.68E+00  8.42E+00  1.34E+01  1.61E+01  2.27E+01  1.15E-03  751
 INGESTION OF MILK                      1.0000  4.68E+00  3.48E+00  9.28E+00  1.21E+01  2.16E+01  2.67E+01  5.03E+01  1.14E-03  393
 INGESTION OF POULTRY                   1.0000  9.90E-01  7.48E-01  2.02E+00  2.56E+00  4.64E+00  5.69E+00  7.19E+00  1.14E-03  263
 INGESTION OF OTHER MEAT CROPS          1.0000  3.02E-01  2.42E-01  5.97E-01  7.28E-01  1.00E+00  1.14E+00  1.51E+00  1.14E-03  388

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
L-ICRP60ED  POP. DOSE (Sv)    0-80.5 km
 TOTAL LONG-TERM PATHWAYS DOSE          1.0000  4.07E+04  3.62E+04  6.75E+04  7.45E+04  8.88E+04  9.58E+04  1.08E+05  1.13E-03  714
 LONG-TERM DIRECT EXPOSURE PATHWAYS     1.0000  3.50E+04  3.20E+04  5.92E+04  7.04E+04  8.13E+04  8.65E+04  9.89E+04  1.12E-03  391
 TOTAL INGESTION PATHWAYS DOSE          1.0000  4.08E+03  3.60E+03  5.57E+03  6.22E+03  7.62E+03  8.15E+03  9.43E+03  1.14E-03  328
 LONG-TERM GROUNDSHINE DOSE             1.0000  3.49E+04  3.19E+04  5.92E+04  7.04E+04  8.12E+04  8.63E+04  9.85E+04  1.12E-03  391
 LONG-TERM RESUSPENSION DOSE            1.0000  9.23E+01  8.01E+01  1.60E+02  2.03E+02  2.64E+02  2.95E+02  4.10E+02  1.12E-03  391
 WATER INGESTION DOSE                   1.0000  3.34E+03  3.07E+03  4.94E+03  5.46E+03  6.80E+03  7.44E+03  8.96E+03  1.14E-03  328
 POP.-DEPENDENT DECONTAMINATION DOSE    1.0000  1.63E+03  1.25E+03  2.96E+03  3.69E+03  5.82E+03  6.84E+03  8.76E+03  1.13E-03  714
 FARM-DEPENDENT DECONTAMINATION DOSE    1.0000  2.60E+01  2.31E+01  3.89E+01  4.59E+01  5.73E+01  6.19E+01  7.89E+01  2.38E-04  414
 INGESTION OF GRAINS                    1.0000  2.29E+01  1.67E+01  4.47E+01  5.60E+01  7.86E+01  8.80E+01  1.12E+02  1.15E-03  911
 INGESTION OF LEAF VEG                  1.0000  1.08E+02  9.70E+01  1.62E+02  2.00E+02  2.57E+02  2.86E+02  4.67E+02  1.14E-03  388
 INGESTION OF ROOT CROPS                1.0000  7.16E+01  6.39E+01  1.09E+02  1.20E+02  1.51E+02  1.67E+02  2.02E+02  2.38E-04  306
 INGESTION OF FRUITS                    1.0000  8.95E+01  7.87E+01  1.33E+02  1.57E+02  2.19E+02  2.42E+02  3.07E+02  1.15E-03  911
 INGESTION OF LEGUMES                   1.0000  1.20E+02  1.06E+02  1.77E+02  2.09E+02  2.62E+02  2.88E+02  3.30E+02  1.14E-03    7
 INGESTION OF BEEF                      1.0000  1.34E+02  1.06E+02  2.58E+02  3.20E+02  4.56E+02  5.27E+02  7.91E+02  1.15E-03  787
 INGESTION OF MILK                      1.0000  1.44E+02  1.04E+02  2.72E+02  3.67E+02  7.37E+02  8.98E+02  1.24E+03  1.14E-03  388
 INGESTION OF POULTRY                   1.0000  4.17E+01  3.06E+01  7.99E+01  1.07E+02  2.07E+02  2.46E+02  3.68E+02  1.14E-03  388
 INGESTION OF OTHER MEAT CROPS          1.0000  8.26E+00  6.65E+00  1.42E+01  1.85E+01  3.41E+01  4.08E+01  6.67E+01  1.14E-03  388

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
L-ICRP60ED  POP. DOSE (Sv)    0-161 km
 TOTAL LONG-TERM PATHWAYS DOSE          1.0000  1.12E+05  1.01E+05  2.04E+05  2.24E+05  2.78E+05  3.04E+05  3.60E+05  1.11E-03  103
 LONG-TERM DIRECT EXPOSURE PATHWAYS     1.0000  1.03E+05  9.33E+04  1.82E+05  2.10E+05  2.53E+05  2.73E+05  3.43E+05  1.11E-03  103
 TOTAL INGESTION PATHWAYS DOSE          1.0000  6.56E+03  5.93E+03  9.79E+03  1.06E+04  1.21E+04  1.29E+04  1.55E+04  5.99E-04  382
 LONG-TERM GROUNDSHINE DOSE             1.0000  1.03E+05  9.29E+04  1.81E+05  2.10E+05  2.52E+05  2.73E+05  3.42E+05  1.11E-03  103
 LONG-TERM RESUSPENSION DOSE            1.0000  3.23E+02  2.98E+02  5.94E+02  6.97E+02  8.89E+02  9.87E+02  1.10E+03  1.15E-03   54
 WATER INGESTION DOSE                   1.0000  4.00E+03  3.48E+03  5.85E+03  6.82E+03  8.06E+03  8.61E+03  9.91E+03  1.14E-03  155
 POP.-DEPENDENT DECONTAMINATION DOSE    1.0000  2.67E+03  2.01E+03  5.52E+03  7.28E+03  1.11E+04  1.34E+04  2.39E+04  1.13E-03  117
 FARM-DEPENDENT DECONTAMINATION DOSE    1.0000  3.85E+01  3.24E+01  6.58E+01  7.91E+01  1.13E+02  1.30E+02  1.74E+02  1.13E-03  933
 INGESTION OF GRAINS                    1.0000  8.24E+01  4.26E+01  2.07E+02  2.54E+02  3.50E+02  3.88E+02  4.84E+02  1.14E-03  235
 INGESTION OF LEAF VEG                  1.0000  2.61E+02  2.07E+02  4.70E+02  5.86E+02  9.07E+02  1.06E+03  1.40E+03  1.14E-03  388
 INGESTION OF ROOT CROPS                1.0000  1.83E+02  1.36E+02  3.41E+02  4.08E+02  5.66E+02  6.28E+02  7.28E+02  1.14E-03  140
 INGESTION OF FRUITS                    1.0000  2.45E+02  1.83E+02  5.03E+02  5.81E+02  7.64E+02  8.33E+02  1.08E+03  1.14E-03  140
 INGESTION OF LEGUMES                   1.0000  2.63E+02  2.24E+02  4.20E+02  5.06E+02  6.01E+02  6.48E+02  8.79E+02  1.14E-03  140
 INGESTION OF BEEF                      1.0000  6.43E+02  4.92E+02  1.24E+03  1.53E+03  2.22E+03  2.44E+03  3.76E+03  1.15E-03  787
 INGESTION OF MILK                      1.0000  6.52E+02  4.25E+02  1.32E+03  1.80E+03  3.20E+03  3.69E+03  5.20E+03  1.14E-03  343
 INGESTION OF POULTRY                   1.0000  2.00E+02  1.31E+02  4.24E+02  5.85E+02  1.00E+03  1.09E+03  1.40E+03  5.99E-04  382
 INGESTION OF OTHER MEAT CROPS          1.0000  3.40E+01  2.47E+01  6.46E+01  9.32E+01  1.58E+02  1.95E+02  2.27E+02  1.14E-03  388

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                        NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
L-ICRP60ED  POP. DOSE (Sv)    0-1609 km
 TOTAL LONG-TERM PATHWAYS DOSE          1.0000  3.91E+05  3.24E+05  7.70E+05  8.85E+05  1.10E+06  1.18E+06  1.36E+06  1.13E-03  396
 LONG-TERM DIRECT EXPOSURE PATHWAYS     1.0000  3.25E+05  2.57E+05  6.93E+05  7.82E+05  1.01E+06  1.04E+06  1.10E+06  1.14E-03  399
 TOTAL INGESTION PATHWAYS DOSE          1.0000  6.32E+04  3.67E+04  1.26E+05  1.89E+05  4.75E+05  5.51E+05  7.47E+05  1.13E-03  396
 LONG-TERM GROUNDSHINE DOSE             1.0000  3.24E+05  2.56E+05  6.90E+05  7.77E+05  1.00E+06  1.03E+06  1.10E+06  1.14E-03  547
 LONG-TERM RESUSPENSION DOSE            1.0000  1.30E+03  1.03E+03  2.68E+03  3.12E+03  3.72E+03  4.01E+03  4.74E+03  1.11E-03  139
 WATER INGESTION DOSE                   1.0000  1.48E+04  1.23E+04  2.36E+04  2.64E+04  3.06E+04  3.12E+04  3.23E+04  1.15E-03  792
 POP.-DEPENDENT DECONTAMINATION DOSE    1.0000  3.27E+03  2.22E+03  6.72E+03  8.95E+03  1.55E+04  1.94E+04  3.57E+04  1.14E-03  576
 FARM-DEPENDENT DECONTAMINATION DOSE    1.0000  4.34E+01  3.52E+01  7.68E+01  9.65E+01  1.30E+02  1.47E+02  1.91E+02  1.13E-03    1
 INGESTION OF GRAINS                    1.0000  1.91E+03  1.89E+02  5.74E+03  8.80E+03  2.01E+04  2.42E+04  3.28E+04  1.12E-03  866
 INGESTION OF LEAF VEG                  1.0000  3.38E+03  7.22E+02  8.68E+03  1.37E+04  3.34E+04  5.08E+04  1.02E+05  1.13E-03  396
 INGESTION OF ROOT CROPS                1.0000  2.68E+03  5.33E+02  7.74E+03  1.21E+04  2.86E+04  3.36E+04  4.47E+04  1.12E-03  866
 INGESTION OF FRUITS                    1.0000  3.92E+03  7.82E+02  1.09E+04  1.65E+04  3.84E+04  4.84E+04  6.58E+04  1.12E-03  866
 INGESTION OF LEGUMES                   1.0000  2.50E+03  7.66E+02  6.70E+03  1.07E+04  2.14E+04  2.66E+04  3.81E+04  1.12E-03  866
 INGESTION OF BEEF                      1.0000  1.52E+04  6.37E+03  3.91E+04  6.01E+04  1.21E+05  1.53E+05  2.19E+05  1.12E-03  866
 INGESTION OF MILK                      1.0000  1.29E+04  5.20E+03  3.35E+04  4.77E+04  1.05E+05  1.29E+05  2.07E+05  1.13E-03  396
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 INGESTION OF POULTRY                1.0000  5.18E+03  1.93E+03  1.19E+04  2.00E+04  5.37E+04  7.09E+04  1.39E+05  1.13E-03  396
 INGESTION OF OTHER MEAT CROPS       1.0000  7.60E+02  3.05E+02  1.79E+03  2.93E+03  7.55E+03  1.01E+04  2.02E+04  1.13E-03  396

                          PROB                  QUANTILES                    PEAK     PEAK  PEAK
                       NON-ZERO  MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
ECONOMIC COST MEASURES ($)    0-1609 km
 TOTAL ECONOMIC COSTS                1.0000  3.86E+11  2.31E+11  9.92E+11  1.11E+12  1.43E+12  1.59E+12  2.02E+12  1.14E-03  256
  POP.-DEPENDENT COSTS               1.0000  3.77E+11  2.21E+11  9.76E+11  1.11E+12  1.42E+12  1.59E+12  2.02E+12  1.14E-03  256
  FARM-DEPENDENT COSTS               1.0000  8.77E+09  6.01E+09  1.76E+10  2.36E+10  3.52E+10  3.94E+10  5.88E+10  1.14E-03  860
  POP.-DEPENDENT DECONTAMINATION COST 1.0000  4.58E+10  2.66E+10  1.08E+11  1.39E+11  2.18E+11  2.42E+11  3.28E+11  1.14E-03  291
  FARM-DEPENDENT DECONTAMINATION COST 1.0000  1.22E+09  9.85E+08  2.33E+09  2.97E+09  3.91E+09  4.39E+09  6.13E+09  1.14E-03  569
  POP.-DEPENDENT INTERDICTION COST    1.0000  3.19E+11  1.73E+11  8.28E+11  1.06E+12  1.33E+12  1.46E+12  1.80E+12  1.14E-03  256
  FARM-DEPENDENT INTERDICTION COST    1.0000  4.50E+09  2.30E+09  1.08E+10  1.54E+10  2.45E+10  2.79E+10  4.46E+10  1.14E-03  860
  POP.-DEPENDENT CONDEMNATION COST    1.0000  8.64E+09  5.35E+09  1.91E+10  2.65E+10  4.85E+10  6.12E+10  1.56E+11  1.14E-03  886
  FARM-DEPENDENT CONDEMNATION COST    1.0000  2.40E+08  2.07E+08  4.34E+08  5.25E+08  7.10E+08  7.49E+08  1.02E+09  1.14E-04   88
  EMERGENCY PHASE COST                1.0000  4.18E+09  3.23E+09  3.83E+09  4.12E+09  4.89E+09  5.43E+09  7.41E+09  1.15E-03  711
  INTERMEDIATE PHASE COST             0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  MILK DISPOSAL COST                  1.0000  1.03E+08  4.78E+07  2.84E+08  4.39E+08  6.87E+08  7.77E+08  9.99E+08  1.13E-03  111
  CROP DISPOSAL COST                  1.0000  2.71E+09  2.03E+09  5.40E+09  6.76E+09  9.93E+09  1.20E+10  1.81E+10  1.14E-03  878

                          PROB                  QUANTILES                    PEAK     PEAK  PEAK
                       NON-ZERO  MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
ECONOMIC COST MEASURES ($)    0-16.1 km
 TOTAL ECONOMIC COSTS                1.0000  2.54E+09  2.31E+09  3.49E+09  3.84E+09  4.81E+09  5.04E+09  5.41E+09  1.52E-04   33
  POP.-DEPENDENT COSTS               1.0000  2.37E+09  2.18E+09  3.26E+09  3.50E+09  4.14E+09  4.44E+09  5.10E+09  1.43E-04    9
  FARM-DEPENDENT COSTS               1.0000  1.67E+08  1.44E+08  2.64E+08  3.03E+08  3.38E+08  3.55E+08  3.94E+08  1.12E-03  391
  POP.-DEPENDENT DECONTAMINATION COST 1.0000  1.10E+08  8.85E+07  2.13E+08  2.53E+08  3.48E+08  3.90E+08  4.95E+08  1.15E-03  911
  FARM-DEPENDENT DECONTAMINATION COST 1.0000  1.20E+07  9.71E+06  2.32E+07  2.89E+07  3.69E+07  4.07E+07  5.54E+07  1.14E-03  404
  POP.-DEPENDENT INTERDICTION COST    1.0000  6.01E+08  4.98E+08  1.11E+09  1.31E+09  1.90E+09  2.16E+09  2.75E+09  1.15E-03  911
  FARM-DEPENDENT INTERDICTION COST    1.0000  1.47E+07  1.16E+07  2.89E+07  3.40E+07  4.77E+07  5.42E+07  7.62E+07  1.15E-03  911
  POP.-DEPENDENT CONDEMNATION COST    1.0000  1.61E+09  1.35E+09  2.43E+09  2.78E+09  3.44E+09  3.71E+09  4.37E+09  1.14E-03  465
  FARM-DEPENDENT CONDEMNATION COST    1.0000  1.08E+08  1.01E+08  1.84E+08  2.07E+08  2.33E+08  2.45E+08  2.73E+08  1.14E-03  246
  EMERGENCY PHASE COST                1.0000  5.23E+07   ****     ****     ****     ****     ****   5.23E+07  1.00E+00    1
  INTERMEDIATE PHASE COST             0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  MILK DISPOSAL COST                  1.0000  2.73E+06  2.43E+06  5.22E+06  5.76E+06  7.07E+06  7.29E+06  7.79E+06  1.15E-03   31
  CROP DISPOSAL COST                  1.0000  2.91E+07  2.76E+07  5.12E+07  5.58E+07  6.81E+07  7.22E+07  7.99E+07  1.14E-03  936

                          PROB                  QUANTILES                    PEAK     PEAK  PEAK
                       NON-ZERO  MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
ECONOMIC COST MEASURES ($)   16.1-32.2 km
 TOTAL ECONOMIC COSTS                1.0000  1.34E+10  1.12E+10  2.10E+10  2.30E+10  2.84E+10  3.10E+10  3.72E+10  1.14E-03  381
  POP.-DEPENDENT COSTS               1.0000  1.31E+10  1.10E+10  2.08E+10  2.28E+10  2.81E+10  3.08E+10  3.70E+10  1.14E-03  381
  FARM-DEPENDENT COSTS               1.0000  2.81E+08  2.64E+08  4.47E+08  5.15E+08  6.06E+08  6.50E+08  7.29E+08  1.15E-03   31
  POP.-DEPENDENT DECONTAMINATION COST 0.9977  1.37E+09  1.13E+09  2.45E+09  2.90E+09  3.45E+09  3.69E+09  4.25E+09  1.14E-03   50
  FARM-DEPENDENT DECONTAMINATION COST 0.9977  4.86E+07  4.21E+07  8.80E+07  1.03E+08  1.24E+08  1.34E+08  1.58E+08  1.14E-03  983
  POP.-DEPENDENT INTERDICTION COST    0.9977  7.06E+09  6.35E+09  1.14E+10  1.27E+10  1.61E+10  1.78E+10  2.17E+10  1.14E-03  390
  FARM-DEPENDENT INTERDICTION COST    1.0000  5.87E+07  5.23E+07  1.03E+08  1.12E+08  1.35E+08  1.47E+08  1.81E+08  8.56E-04  954
  POP.-DEPENDENT CONDEMNATION COST    0.9139  4.16E+09  2.72E+09  1.05E+10  1.25E+10  1.87E+10  2.19E+10  3.09E+10  1.14E-03  381
  FARM-DEPENDENT CONDEMNATION COST    0.9384  9.61E+07  7.18E+07  2.08E+08  2.40E+08  3.11E+08  3.27E+08  4.25E+08  1.43E-04   76
  EMERGENCY PHASE COST                1.0000  4.98E+08   ****     ****     ****     ****     ****   4.98E+08  1.00E+00    1
  INTERMEDIATE PHASE COST             0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  MILK DISPOSAL COST                  1.0000  5.57E+06  4.17E+06  1.10E+07  1.20E+07  1.47E+07  1.61E+07  1.94E+07  1.15E-03   31
  CROP DISPOSAL COST                  1.0000  7.24E+07  6.67E+07  1.18E+08  1.33E+08  1.73E+08  1.95E+08  2.27E+08  1.15E-03   31

                          PROB                  QUANTILES                    PEAK     PEAK  PEAK
                       NON-ZERO  MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
ECONOMIC COST MEASURES ($)   32.2-48.3 km
 TOTAL ECONOMIC COSTS                1.0000  1.89E+10  1.67E+10  3.01E+10  3.20E+10  3.68E+10  3.90E+10  5.31E+10  1.43E-04   10
  POP.-DEPENDENT COSTS               1.0000  1.87E+10  1.62E+10  2.98E+10  3.16E+10  3.59E+10  3.79E+10  5.27E+10  1.43E-04   10
  FARM-DEPENDENT COSTS               1.0000  2.68E+08  2.44E+08  3.88E+08  4.47E+08  5.75E+08  6.31E+08  7.65E+08  1.14E-03    7
  POP.-DEPENDENT DECONTAMINATION COST 1.0000  2.63E+09  2.44E+09  4.15E+09  4.93E+09  5.94E+09  6.42E+09  9.30E+09  1.14E-03  944
  FARM-DEPENDENT DECONTAMINATION COST 1.0000  6.98E+07  6.58E+07  1.07E+08  1.16E+08  1.40E+08  1.52E+08  1.80E+08  1.14E-03  944
  POP.-DEPENDENT INTERDICTION COST    1.0000  1.30E+10  1.14E+10  2.10E+10  2.32E+10  2.93E+10  3.18E+10  3.73E+10  1.14E-03  404
  FARM-DEPENDENT INTERDICTION COST    1.0000  8.60E+07  7.83E+07  1.24E+08  1.42E+08  1.92E+08  2.10E+08  2.46E+08  1.15E-03  907
  POP.-DEPENDENT CONDEMNATION COST    0.3817  1.89E+09  0.00E+00  5.95E+09  1.05E+10  2.06E+10  2.32E+10  3.30E+10  1.14E-03  142
  FARM-DEPENDENT CONDEMNATION COST    0.4395  2.63E+07  0.00E+00  8.31E+07  1.19E+08  2.13E+08  2.38E+08  3.78E+08  1.14E-03  142
  EMERGENCY PHASE COST                1.0000  1.11E+09   ****     ****     ****     ****     ****   1.11E+09  1.00E+00    1
  INTERMEDIATE PHASE COST             0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  MILK DISPOSAL COST                  1.0000  5.08E+06  3.94E+06  1.05E+07  1.13E+07  1.36E+07  1.47E+07  1.74E+07  1.15E-03   31
  CROP DISPOSAL COST                  1.0000  8.09E+07  7.52E+07  1.23E+08  1.39E+08  1.87E+08  2.04E+08  2.26E+08  1.15E-03   31

                          PROB                  QUANTILES                    PEAK     PEAK  PEAK
                       NON-ZERO  MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
ECONOMIC COST MEASURES ($)   48.3-64.4 km
 TOTAL ECONOMIC COSTS                1.0000  3.08E+10  2.50E+10  6.04E+10  7.64E+10  1.08E+11  1.21E+11  1.54E+11  1.14E-03  886
  POP.-DEPENDENT COSTS               1.0000  3.05E+10  2.47E+10  6.02E+10  7.64E+10  1.08E+11  1.21E+11  1.53E+11  1.14E-03  886
  FARM-DEPENDENT COSTS               1.0000  2.42E+08  2.21E+08  3.48E+08  3.91E+08  5.07E+08  5.41E+08  6.20E+08  1.14E-03  906
  POP.-DEPENDENT DECONTAMINATION COST 1.0000  4.43E+09  3.21E+09  9.12E+09  1.10E+10  1.50E+10  1.72E+10  2.42E+10  1.14E-03  390
  FARM-DEPENDENT DECONTAMINATION COST 1.0000  6.95E+07  6.36E+07  1.06E+08  1.17E+08  1.47E+08  1.62E+08  2.10E+08  1.14E-03  944
  POP.-DEPENDENT INTERDICTION COST    1.0000  2.30E+10  1.89E+10  4.88E+10  6.00E+10  7.87E+10  8.49E+10  1.12E+11  1.13E-03  714
  FARM-DEPENDENT INTERDICTION COST    1.0000  9.43E+07  8.42E+07  1.40E+08  1.68E+08  2.25E+08  2.45E+08  2.96E+08  1.15E-03  907
  POP.-DEPENDENT CONDEMNATION COST    0.0743  6.61E+08  0.00E+00  0.00E+00  3.01E+09  1.19E+10  3.20E+10  1.06E+11  1.14E-03  886
  FARM-DEPENDENT CONDEMNATION COST    0.0860  5.20E+06  0.00E+00  0.00E+00  4.47E+07  1.04E+08  1.14E+08  1.83E+08  1.43E-04    8
  EMERGENCY PHASE COST                1.0000  2.47E+09   ****     ****     ****     ****     ****   2.47E+09  1.00E+00    1
  INTERMEDIATE PHASE COST             0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  MILK DISPOSAL COST                  1.0000  2.84E+06  1.77E+06  6.65E+06  7.80E+06  1.03E+07  1.09E+07  1.23E+07  1.15E-03  907
  CROP DISPOSAL COST                  1.0000  6.99E+07  6.57E+07  1.06E+08  1.17E+08  1.47E+08  1.62E+08  1.99E+08  1.15E-03  907

                          PROB                  QUANTILES                    PEAK     PEAK  PEAK
                       NON-ZERO  MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
ECONOMIC COST MEASURES ($)   64.4-80.5 km
 TOTAL ECONOMIC COSTS                1.0000  2.39E+10  2.25E+10  4.06E+10  4.84E+10  6.23E+10  6.90E+10  8.25E+10  1.11E-03   75
  POP.-DEPENDENT COSTS               1.0000  2.36E+10  2.24E+10  4.02E+10  4.77E+10  6.05E+10  6.64E+10  8.19E+10  1.11E-03   75
  FARM-DEPENDENT COSTS               1.0000  2.77E+08  2.50E+08  4.09E+08  4.83E+08  5.91E+08  6.40E+08  7.25E+08  1.14E-03  906
  POP.-DEPENDENT DECONTAMINATION COST 1.0000  3.48E+09  3.10E+09  6.73E+09  7.93E+09  1.08E+10  1.19E+10  1.47E+10  1.11E-03  103
  FARM-DEPENDENT DECONTAMINATION COST 1.0000  7.41E+07  6.76E+07  1.11E+08  1.24E+08  1.60E+08  1.79E+08  2.11E+08  1.14E-03  262
  POP.-DEPENDENT INTERDICTION COST    1.0000  1.98E+10  1.99E+10  3.45E+10  3.94E+10  5.19E+10  5.55E+10  6.41E+10  1.14E-03  944
  FARM-DEPENDENT INTERDICTION COST    1.0000  1.12E+08  1.02E+08  1.75E+08  2.09E+08  2.67E+08  2.96E+08  3.53E+08  1.14E-03  906
  POP.-DEPENDENT CONDEMNATION COST    0.0397  2.97E+08  0.00E+00  0.00E+00  0.00E+00  1.07E+10  1.61E+10  2.47E+10  1.14E-03  886
  FARM-DEPENDENT CONDEMNATION COST    0.0476  3.33E+06  0.00E+00  0.00E+00  0.00E+00  9.70E+07  1.24E+08  2.26E+08  1.13E-03    1
  EMERGENCY PHASE COST                0.3184  2.01E+07  0.00E+00  7.85E+07  1.27E+08  2.18E+08  2.38E+08  2.88E+08  1.11E-03   75
  INTERMEDIATE PHASE COST             0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  MILK DISPOSAL COST                  1.0000  3.35E+06  2.06E+06  7.70E+06  9.57E+06  1.18E+07  1.27E+07  1.50E+07  1.14E-03  906
  CROP DISPOSAL COST                  1.0000  8.43E+07  7.79E+07  1.21E+08  1.35E+08  1.76E+08  1.98E+08  2.35E+08  1.15E-03  907

                          PROB                  QUANTILES                    PEAK     PEAK  PEAK
                       NON-ZERO  MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
ECONOMIC COST MEASURES ($)   80.5-161 km
 TOTAL ECONOMIC COSTS                0.9966  1.23E+11  7.47E+10  3.05E+11  3.29E+11  3.93E+11  4.24E+11  5.92E+11  1.11E-03  139
  POP.-DEPENDENT COSTS               0.9965  1.22E+11  7.20E+10  3.05E+11  3.29E+11  3.93E+11  4.24E+11  5.88E+11  1.11E-03  139
  FARM-DEPENDENT COSTS               0.9966  1.65E+09  1.36E+09  2.56E+09  3.01E+09  3.52E+09  3.77E+09  4.35E+09  1.14E-03  983
  POP.-DEPENDENT DECONTAMINATION COST 0.9965  1.59E+10  8.96E+09  3.91E+10  5.14E+10  6.88E+10  7.63E+10  9.48E+10  1.11E-03  139
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  FARM-DEPENDENT DECONTAMINATION COST  0.9965  3.68E+08  3.21E+08  6.11E+08  7.21E+08  9.18E+08  1.01E+09  1.18E+09  1.14E-03  140
  POP.-DEPENDENT INTERDICTION COST    0.9965  1.06E+11  6.21E+10  2.43E+11  2.94E+11  3.68E+11  4.04E+11  4.93E+11  1.11E-03  139
  FARM-DEPENDENT INTERDICTION COST    0.9966  7.14E+08  6.31E+08  1.11E+09  1.23E+09  1.59E+09  1.77E+09  2.23E+09  1.14E-03  983
  POP.-DEPENDENT CONDEMNATION COST    0.0050  1.47E+07  0.00E+00  0.00E+00  0.00E+00  0.00E+00  2.01E+09  5.12E+09  1.14E-03  463
  FARM-DEPENDENT CONDEMNATION COST    0.0065  1.04E+06  0.00E+00  0.00E+00  0.00E+00  0.00E+00  1.13E+08  2.76E+08  2.66E-04   87
  EMERGENCY PHASE COST                0.1358  2.51E+07  0.00E+00  2.76E+07  7.66E+07  6.00E+08  1.13E+09  3.12E+09  1.15E-03  711
  INTERMEDIATE PHASE COST             0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  MILK DISPOSAL COST                  0.9966  2.12E+07  1.23E+07  5.17E+07  6.45E+07  8.30E+07  9.06E+07  1.04E+08  1.14E-03  983
  CROP DISPOSAL COST                  0.9966  5.47E+08  5.15E+08  8.89E+08  1.02E+09  1.19E+09  1.27E+09  1.46E+09  1.14E-03  983

                          PROB                    QUANTILES                     PEAK     PEAK  PEAK
                       NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
ECONOMIC COST MEASURES ($)   161-322 km
 TOTAL ECONOMIC COSTS                 0.9612  1.47E+11  2.74E+10  5.47E+11  7.80E+11  1.07E+12  1.14E+12  1.30E+12  1.14E-03  455
  POP.-DEPENDENT COSTS                0.9159  1.45E+11  2.55E+10  5.47E+11  7.80E+11  1.07E+12  1.14E+12  1.30E+12  1.14E-03  455
  FARM-DEPENDENT COSTS                0.9612  2.21E+09  1.77E+09  4.19E+09  5.36E+09  8.65E+09  1.01E+10  1.11E+10  1.14E-03  318
  POP.-DEPENDENT DECONTAMINATION COST  0.9159  1.56E+10  2.63E+09  5.63E+10  7.95E+10  1.34E+11  1.74E+11  2.43E+11  1.14E-03  291
  FARM-DEPENDENT DECONTAMINATION COST  0.9159  3.40E+08  2.37E+08  7.07E+08  1.05E+09  1.93E+09  2.25E+09  3.09E+09  1.14E-03  318
  POP.-DEPENDENT INTERDICTION COST    0.9159  1.29E+11  2.29E+10  4.78E+11  7.28E+11  9.83E+11  1.04E+12  1.15E+12  1.14E-03  948
  FARM-DEPENDENT INTERDICTION COST    0.9612  1.09E+09  7.54E+08  2.36E+09  3.18E+09  5.26E+09  5.68E+09  6.69E+09  1.14E-03  984
  POP.-DEPENDENT CONDEMNATION COST    0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  FARM-DEPENDENT CONDEMNATION COST    0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  EMERGENCY PHASE COST                0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  INTERMEDIATE PHASE COST             0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  MILK DISPOSAL COST                  0.9134  1.95E+07  5.66E+06  6.28E+07  8.69E+07  1.22E+08  1.36E+08  1.72E+08  1.14E-03   46
  CROP DISPOSAL COST                  0.9612  7.62E+08  5.96E+08  1.45E+09  1.85E+09  2.34E+09  2.53E+09  3.50E+09  1.14E-03  387

                          PROB                    QUANTILES                     PEAK     PEAK  PEAK
                       NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
ECONOMIC COST MEASURES ($)   322-805 km
 TOTAL ECONOMIC COSTS                 0.5407  2.62E+10  1.21E+09  9.19E+10  1.41E+11  3.06E+11  3.43E+11  4.35E+11  1.15E-03  544
  POP.-DEPENDENT COSTS                0.3076  2.28E+10  0.00E+00  8.71E+10  1.31E+11  3.06E+11  3.42E+11  4.33E+11  1.15E-03  544
  FARM-DEPENDENT COSTS                0.5407  3.39E+09  7.51E+08  1.05E+10  1.37E+10  2.26E+10  2.58E+10  3.13E+10  1.14E-03  920
  POP.-DEPENDENT DECONTAMINATION COST  0.3076  2.31E+09  0.00E+00  8.93E+09  1.33E+10  3.06E+10  3.43E+10  4.36E+10  1.15E-03  544
  FARM-DEPENDENT DECONTAMINATION COST  0.3076  2.37E+08  0.00E+00  9.28E+08  1.30E+09  2.30E+09  2.73E+09  3.94E+09  1.14E-03  569
  POP.-DEPENDENT INTERDICTION COST    0.3076  2.05E+10  0.00E+00  7.91E+10  1.24E+11  2.72E+11  3.19E+11  3.90E+11  1.15E-03  544
  FARM-DEPENDENT INTERDICTION COST    0.5407  2.13E+09  2.40E+08  6.91E+09  9.55E+09  1.83E+10  2.05E+10  2.22E+10  1.15E-03  976
  POP.-DEPENDENT CONDEMNATION COST    0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  FARM-DEPENDENT CONDEMNATION COST    0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  EMERGENCY PHASE COST                0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  INTERMEDIATE PHASE COST             0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  MILK DISPOSAL COST                  0.5125  4.16E+07  2.60E+05  1.39E+08  2.69E+08  4.87E+08  5.52E+08  7.13E+08  1.13E-03  111
  CROP DISPOSAL COST                  0.5407  9.81E+08  2.00E+08  3.02E+09  3.84E+09  6.22E+09  7.30E+09  9.51E+09  1.14E-03  909

                          PROB                    QUANTILES                     PEAK     PEAK  PEAK
                       NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
ECONOMIC COST MEASURES ($)   805-1609 km
 TOTAL ECONOMIC COSTS                 0.0222  2.87E+08  0.00E+00  0.00E+00  0.00E+00  1.36E+10  2.15E+10  3.27E+10  1.14E-03  878
  POP.-DEPENDENT COSTS                0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  FARM-DEPENDENT COSTS                0.0222  2.87E+08  0.00E+00  0.00E+00  0.00E+00  1.36E+10  2.15E+10  3.27E+10  1.14E-03  878
  POP.-DEPENDENT DECONTAMINATION COST  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  FARM-DEPENDENT DECONTAMINATION COST  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  POP.-DEPENDENT INTERDICTION COST    0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  FARM-DEPENDENT INTERDICTION COST    0.0222  2.03E+08  0.00E+00  0.00E+00  0.00E+00  1.01E+10  1.25E+10  2.02E+10  1.14E-03  878
  POP.-DEPENDENT CONDEMNATION COST    0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  FARM-DEPENDENT CONDEMNATION COST    0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  EMERGENCY PHASE COST                0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  INTERMEDIATE PHASE COST             0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
  MILK DISPOSAL COST                  0.0182  1.64E+06  0.00E+00  0.00E+00  0.00E+00  6.49E+07  8.71E+07  3.06E+08  1.13E-03  859
  CROP DISPOSAL COST                  0.0222  8.17E+07  0.00E+00  0.00E+00  0.00E+00  3.47E+09  6.06E+09  1.24E+10  1.14E-03  878

                          PROB                    QUANTILES                     PEAK     PEAK  PEAK
                       NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
MAXIMUM LONG-TERM ACTION DISTANCE (km)
 FARM-DEPENDENT DECONTAMINATION DIST.  1.0000  3.94E+02  3.46E+02    ****     ****     ****     ****   8.05E+02  1.51E-01   20
 POP.-DEPENDENT DECONTAMINATION DIST.  1.0000  3.94E+02  3.46E+02    ****     ****     ****     ****   8.05E+02  1.51E-01   20
 FARM-DEPENDENT INTERDICTION DIST.     1.0000  5.37E+02  5.36E+02  8.27E+02  9.02E+02    ****     ****   1.61E+03  2.22E-02   23
 POP.-DEPENDENT INTERDICTION DIST.     1.0000  3.94E+02  3.46E+02    ****     ****     ****     ****   8.05E+02  1.51E-01   20
 FARM-DEPENDENT CONDEMNATION DIST.     1.0000  3.73E+01  3.25E+01  4.96E+01  7.00E+01  9.28E+01    ****     ****   1.13E+02  6.52E-03   73
 POP.-DEPENDENT CONDEMNATION DIST.     1.0000  3.52E+01  3.16E+01  4.80E+01  6.45E+01  8.91E+01    ****     ****   1.13E+02  5.04E-03   73
 MILK DISPOSAL DIST.                   1.0000  5.18E+02  5.10E+02  8.13E+02  8.84E+02    ****     ****   1.61E+03  1.82E-02   23
 CROP DISPOSAL DIST.                   1.0000  5.37E+02  5.36E+02  8.27E+02  9.02E+02    ****     ****   1.61E+03  2.22E-02   23

                          PROB                    QUANTILES                     PEAK     PEAK  PEAK
                       NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
AFFECTED AREA/POPULATION      0-1609 km
 FARM DECONTAMINATION (ha)             1.0000  7.55E+05  5.63E+05  1.41E+06  1.96E+06  2.62E+06  2.95E+06  4.53E+06  1.14E-03  569
 POP. DECONTAMINATION (INDIVIDUALS)    1.0000  4.94E+06  2.65E+06  1.19E+07  1.57E+07  2.23E+07  2.41E+07  2.83E+07  1.14E-03  256
 POP. DECONTAMINATION AREA (ha)        1.0000  1.73E+06  1.30E+06  3.31E+06  3.89E+06  5.34E+06  5.82E+06  7.23E+06  1.14E-03  179
 FARM INTERDICTION (ha)                1.0000  1.90E+06  9.33E+05  4.62E+06  6.71E+06  1.14E+07  1.32E+07  1.77E+07  1.14E-03  860
 POP. INTERDICTION (INDIVIDUALS)       1.0000  4.94E+06  2.65E+06  1.19E+07  1.57E+07  2.23E+07  2.41E+07  2.83E+07  1.14E-03  256
 POP. INTERDICTION AREA (ha)           1.0000  1.73E+06  1.30E+06  3.31E+06  3.89E+06  5.34E+06  5.82E+06  7.23E+06  1.14E-03  179
 FARM CONDEMNATION (ha)                1.0000  1.32E+04  1.08E+04  2.41E+04  2.94E+04  3.75E+04  4.15E+04  7.65E+04  1.14E-04   88
 POP. CONDEMNATION (INDIVIDUALS)       1.0000  3.19E+04  1.89E+04  7.35E+04  1.04E+05  1.84E+05  2.32E+05  4.28E+05  1.09E-03  287
 POP. CONDEMNATION AREA (ha)           1.0000  1.32E+04  1.07E+04  2.37E+04  3.09E+04  4.64E+04  5.18E+04  7.04E+04  1.52E-04   87
 MILK DISPOSAL AREA (ha)               1.0000  1.65E+06  8.54E+05  3.84E+06  5.87E+06  1.09E+07  1.28E+07  1.77E+07  1.14E-03  860
 CROP DISPOSAL AREA (ha)               1.0000  1.92E+06  9.46E+05  4.65E+06  6.71E+06  1.14E+07  1.32E+07  1.77E+07  1.14E-03  860

                          PROB                    QUANTILES                     PEAK     PEAK  PEAK
                       NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
AFFECTED AREA/POPULATION      0-16.1 km
 FARM DECONTAMINATION (ha)             1.0000  4.78E+03  3.77E+03  9.36E+03  1.11E+04  1.51E+04  1.72E+04  2.22E+04  1.15E-03  911
 POP. DECONTAMINATION (INDIVIDUALS)    1.0000  6.92E+03  5.78E+03  1.22E+04  1.47E+04  2.15E+04  2.39E+04  3.11E+04  1.15E-03  911
 POP. DECONTAMINATION AREA (ha)        1.0000  5.91E+03  5.02E+03  1.11E+04  1.30E+04  1.90E+04  2.17E+04  2.80E+04  1.15E-03  911
 FARM INTERDICTION (ha)                1.0000  5.08E+03  4.01E+03  1.00E+04  1.17E+04  1.68E+04  1.96E+04  2.76E+04  1.15E-03  911
 POP. INTERDICTION (INDIVIDUALS)       1.0000  6.92E+03  5.78E+03  1.22E+04  1.47E+04  2.15E+04  2.39E+04  3.11E+04  1.15E-03  911
 POP. INTERDICTION AREA (ha)           1.0000  5.91E+03  5.02E+03  1.11E+04  1.30E+04  1.90E+04  2.17E+04  2.80E+04  1.15E-03  911
 FARM CONDEMNATION (ha)                1.0000  5.75E+03  5.41E+03  9.27E+03  1.02E+04  1.12E+04  1.16E+04  1.37E+04  2.38E-04   32
 POP. CONDEMNATION (INDIVIDUALS)       1.0000  6.01E+03  5.53E+03  9.22E+03  1.04E+04  1.25E+04  1.35E+04  1.59E+04  1.14E-03  465
 POP. CONDEMNATION AREA (ha)           1.0000  5.26E+03  5.00E+03  8.12E+03  9.35E+03  1.15E+04  1.23E+04  1.44E+04  1.14E-03  465
 MILK DISPOSAL AREA (ha)               1.0000  1.08E+04  1.01E+04  1.61E+04  1.96E+04  2.36E+04  2.55E+04  2.99E+04  1.15E-03  911
 CROP DISPOSAL AREA (ha)               1.0000  1.08E+04  1.01E+04  1.62E+04  1.97E+04  2.37E+04  2.55E+04  2.99E+04  1.15E-03  911

                          PROB                    QUANTILES                     PEAK     PEAK  PEAK
                       NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
AFFECTED AREA/POPULATION    16.1-32.2 km
 FARM DECONTAMINATION (ha)             0.9977  1.95E+04  1.63E+04  3.41E+04  3.98E+04  5.25E+04  5.57E+04  6.30E+04  1.14E-03  404
 POP. DECONTAMINATION (INDIVIDUALS)    0.9977  8.74E+04  7.71E+04  1.41E+05  1.70E+05  2.15E+05  2.27E+05  2.54E+05  1.12E-03  391
 POP. DECONTAMINATION AREA (ha)        0.9977  2.61E+04  2.28E+04  4.63E+04  5.41E+04  7.02E+04  7.48E+04  8.56E+04  1.15E-03  662
 FARM INTERDICTION (ha)                1.0000  2.10E+04  1.78E+04  3.67E+04  4.37E+04  5.46E+04  5.78E+04  6.67E+04  8.56E-04  954
 POP. INTERDICTION (INDIVIDUALS)       0.9977  8.74E+04  7.71E+04  1.41E+05  1.70E+05  2.15E+05  2.27E+05  2.54E+05  1.12E-03  391
 POP. INTERDICTION AREA (ha)           0.9977  2.61E+04  2.28E+04  4.63E+04  5.41E+04  7.02E+04  7.48E+04  8.56E+04  1.15E-03  662
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 FARM CONDEMNATION (ha)              0.9384  5.03E+03  4.12E+03  1.02E+04  1.09E+04  1.29E+04  1.38E+04  1.98E+04  1.43E-04   76
 POP. CONDEMNATION (INDIVIDUALS)      0.9139  1.52E+04  9.97E+03  3.68E+04  5.07E+04  7.26E+04  8.92E+04  1.08E+05  1.14E-03  142
 POP. CONDEMNATION AREA (ha)          0.9139  5.22E+03  5.01E+03  9.82E+03  1.15E+04  1.64E+04  1.90E+04  3.08E+04  1.14E-04   12
 MILK DISPOSAL AREA (ha)             1.0000  2.58E+04  2.32E+04  4.07E+04  4.82E+04  5.91E+04  6.40E+04  7.16E+04  1.14E-03  936
 CROP DISPOSAL AREA (ha)             1.0000  2.61E+04  2.35E+04  4.09E+04  4.85E+04  5.92E+04  6.41E+04  7.16E+04  1.14E-03  936

                          PROB                  QUANTILES                     PEAK     PEAK  PEAK
                       NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
AFFECTED AREA/POPULATION    32.2-48.3 km
 FARM DECONTAMINATION (ha)           1.0000  2.99E+04  2.80E+04  4.68E+04  5.33E+04  6.65E+04  7.21E+04  8.27E+04  1.14E-03  906
 POP. DECONTAMINATION (INDIVIDUALS)    1.0000  1.84E+05  1.58E+05  3.08E+05  3.37E+05  4.14E+05  4.52E+05  5.88E+05  1.14E-03  404
 POP. DECONTAMINATION AREA (ha)       1.0000  4.92E+04  4.65E+04  7.64E+04  8.56E+04  1.06E+05  1.12E+05  1.26E+05  1.15E-03  662
 FARM INTERDICTION (ha)              1.0000  3.28E+04  3.04E+04  5.31E+04  6.10E+04  7.73E+04  8.34E+04  9.80E+04  1.15E-03  907
 POP. INTERDICTION (INDIVIDUALS)      1.0000  1.84E+05  1.58E+05  3.08E+05  3.37E+05  4.14E+05  4.52E+05  5.88E+05  1.14E-03  404
 POP. INTERDICTION AREA (ha)          1.0000  4.92E+04  4.65E+04  7.64E+04  8.56E+04  1.06E+05  1.12E+05  1.26E+05  1.15E-03  662
 FARM CONDEMNATION (ha)              0.4395  1.58E+03  0.00E+00  4.89E+03  7.24E+03  1.17E+04  1.39E+04  2.02E+04  1.14E-03  142
 POP. CONDEMNATION (INDIVIDUALS)      0.3817  7.20E+03  0.00E+00  2.31E+04  3.96E+04  7.65E+04  8.67E+04  1.37E+05  1.14E-03  142
 POP. CONDEMNATION AREA (ha)          0.3817  1.67E+03  0.00E+00  5.36E+03  8.15E+03  1.52E+04  1.94E+04  2.69E+04  1.13E-03  157
 MILK DISPOSAL AREA (ha)             1.0000  3.39E+04  3.11E+04  5.33E+04  6.08E+04  7.71E+04  8.33E+04  9.80E+04  1.15E-03  907
 CROP DISPOSAL AREA (ha)             1.0000  3.44E+04  3.13E+04  5.41E+04  6.21E+04  7.79E+04  8.38E+04  9.80E+04  1.15E-03  907

                          PROB                  QUANTILES                     PEAK     PEAK  PEAK
                       NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
AFFECTED AREA/POPULATION    48.3-64.4 km
 FARM DECONTAMINATION (ha)           1.0000  3.27E+04  3.05E+04  5.19E+04  5.79E+04  7.32E+04  7.91E+04  9.35E+04  1.14E-03  944
 POP. DECONTAMINATION (INDIVIDUALS)    1.0000  3.49E+05  2.88E+05  7.21E+05  9.32E+05  1.18E+06  1.29E+06  1.53E+06  1.14E-03  390
 POP. DECONTAMINATION AREA (ha)       1.0000  6.63E+04  6.39E+04  1.02E+05  1.10E+05  1.30E+05  1.40E+05  1.63E+05  1.14E-03  983
 FARM INTERDICTION (ha)              1.0000  3.73E+04  3.30E+04  6.05E+04  7.11E+04  8.94E+04  9.87E+04  1.18E+05  1.15E-03  907
 POP. INTERDICTION (INDIVIDUALS)      1.0000  3.49E+05  2.88E+05  7.21E+05  9.32E+05  1.18E+06  1.29E+06  1.53E+06  1.14E-03  390
 POP. INTERDICTION AREA (ha)          1.0000  6.63E+04  6.39E+04  1.02E+05  1.10E+05  1.30E+05  1.40E+05  1.63E+05  1.14E-03  983
 FARM CONDEMNATION (ha)              0.0860  4.49E+02  0.00E+00  0.00E+00  3.66E+03  8.61E+03  1.01E+04  1.35E+04  1.09E-03   97
 POP. CONDEMNATION (INDIVIDUALS)      0.0743  2.30E+03  0.00E+00  0.00E+00  1.07E+04  3.95E+04  1.09E+05  2.84E+05  1.14E-03  886
 POP. CONDEMNATION AREA (ha)          0.0743  6.16E+02  0.00E+00  0.00E+00  5.67E+03  1.20E+04  1.42E+04  2.36E+04  1.14E-03  886
 MILK DISPOSAL AREA (ha)             1.0000  3.69E+04  3.27E+04  5.86E+04  6.88E+04  8.86E+04  9.86E+04  1.18E+05  1.15E-03  907
 CROP DISPOSAL AREA (ha)             1.0000  3.77E+04  3.32E+04  6.09E+04  7.13E+04  8.95E+04  9.87E+04  1.18E+05  1.15E-03  907

                          PROB                  QUANTILES                     PEAK     PEAK  PEAK
                       NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
AFFECTED AREA/POPULATION    64.4-80.5 km
 FARM DECONTAMINATION (ha)           1.0000  3.78E+04  3.33E+04  5.88E+04  6.93E+04  8.13E+04  8.69E+04  1.04E+05  1.14E-03  944
 POP. DECONTAMINATION (INDIVIDUALS)    1.0000  3.05E+05  3.02E+05  5.45E+05  6.13E+05  7.72E+05  8.38E+05  1.01E+06  1.14E-03  944
 POP. DECONTAMINATION AREA (ha)       1.0000  7.64E+04  7.18E+04  1.11E+05  1.20E+05  1.45E+05  1.57E+05  1.87E+05  1.14E-03  930
 FARM INTERDICTION (ha)              1.0000  4.47E+04  3.79E+04  7.29E+04  8.31E+04  1.08E+05  1.17E+05  1.41E+05  1.14E-03  906
 POP. INTERDICTION (INDIVIDUALS)      1.0000  3.05E+05  3.02E+05  5.45E+05  6.13E+05  7.72E+05  8.38E+05  1.01E+06  1.14E-03  944
 POP. INTERDICTION AREA (ha)          1.0000  7.64E+04  7.18E+04  1.11E+05  1.20E+05  1.45E+05  1.57E+05  1.87E+05  1.14E-03  930
 FARM CONDEMNATION (ha)              0.0476  2.95E+02  0.00E+00  0.00E+00  0.00E+00  9.52E+03  1.23E+04  2.12E+04  1.13E-03    1
 POP. CONDEMNATION (INDIVIDUALS)      0.0397  1.15E+03  0.00E+00  0.00E+00  0.00E+00  4.55E+04  5.76E+04  9.93E+04  1.11E-03   75
 POP. CONDEMNATION AREA (ha)          0.0397  3.91E+02  0.00E+00  0.00E+00  0.00E+00  1.05E+04  1.60E+04  3.11E+04  1.11E-03   75
 MILK DISPOSAL AREA (ha)             1.0000  4.37E+04  3.71E+04  7.18E+04  8.14E+04  1.06E+05  1.16E+05  1.41E+05  1.14E-03  906
 CROP DISPOSAL AREA (ha)             1.0000  4.50E+04  3.81E+04  7.34E+04  8.33E+04  1.08E+05  1.17E+05  1.41E+05  1.14E-03  906

                          PROB                  QUANTILES                     PEAK     PEAK  PEAK
                       NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
AFFECTED AREA/POPULATION    80.5-161 km
 FARM DECONTAMINATION (ha)           0.9965  2.18E+05  1.98E+05  3.44E+05  3.98E+05  5.21E+05  5.48E+05  6.14E+05  1.12E-03  647
 POP. DECONTAMINATION (INDIVIDUALS)    0.9965  1.66E+06  9.93E+05  3.64E+06  4.31E+06  5.56E+06  5.98E+06  7.77E+06  1.11E-03  139
 POP. DECONTAMINATION AREA (ha)       0.9965  4.35E+05  3.87E+05  7.09E+05  7.83E+05  9.87E+05  1.11E+06  1.44E+06  1.11E-03  139
 FARM INTERDICTION (ha)              0.9966  2.90E+05  2.51E+05  5.01E+05  5.66E+05  7.26E+05  7.75E+05  8.90E+05  1.14E-03  983
 POP. INTERDICTION (INDIVIDUALS)      0.9965  1.66E+06  9.93E+05  3.64E+06  4.31E+06  5.56E+06  5.98E+06  7.77E+06  1.11E-03  139
 POP. INTERDICTION AREA (ha)          0.9965  4.35E+05  3.87E+05  7.09E+05  7.83E+05  9.87E+05  1.11E+06  1.44E+06  1.11E-03  139
 FARM CONDEMNATION (ha)              0.0065  1.02E+02  0.00E+00  0.00E+00  0.00E+00  0.00E+00  1.11E+04  2.58E+04  1.14E-03   73
 POP. CONDEMNATION (INDIVIDUALS)      0.0050  6.22E+01  0.00E+00  0.00E+00  0.00E+00  0.00E+00  7.02E+03  2.15E+04  1.14E-03  463
 POP. CONDEMNATION AREA (ha)          0.0050  7.72E+01  0.00E+00  0.00E+00  0.00E+00  0.00E+00  1.00E+04  3.48E+04  1.52E-04   87
 MILK DISPOSAL AREA (ha)             0.9966  2.76E+05  2.38E+05  4.73E+05  5.44E+05  7.02E+05  7.57E+05  8.90E+05  1.14E-03  983
 CROP DISPOSAL AREA (ha)             0.9966  2.90E+05  2.51E+05  5.01E+05  5.66E+05  7.26E+05  7.75E+05  8.90E+05  1.14E-03  983

                          PROB                  QUANTILES                     PEAK     PEAK  PEAK
                       NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
AFFECTED AREA/POPULATION    161-322 km
 FARM DECONTAMINATION (ha)           0.9159  2.35E+05  1.74E+05  4.75E+05  6.74E+05  1.19E+06  1.40E+06  1.97E+06  1.14E-03  318
 POP. DECONTAMINATION (INDIVIDUALS)    0.9159  2.03E+06  3.64E+05  7.69E+06  1.06E+07  1.33E+07  1.46E+07  1.80E+07  1.14E-03  948
 POP. DECONTAMINATION AREA (ha)       0.9159  6.08E+05  5.08E+05  1.14E+06  1.45E+06  2.20E+06  2.43E+06  3.19E+06  1.13E-03   69
 FARM INTERDICTION (ha)              0.9612  4.52E+05  3.11E+05  9.99E+05  1.30E+06  2.11E+06  2.27E+06  2.68E+06  1.13E-03  261
 POP. INTERDICTION (INDIVIDUALS)      0.9159  2.03E+06  3.64E+05  7.69E+06  1.06E+07  1.33E+07  1.46E+07  1.80E+07  1.14E-03  948
 POP. INTERDICTION AREA (ha)          0.9159  6.08E+05  5.08E+05  1.14E+06  1.45E+06  2.20E+06  2.43E+06  3.19E+06  1.13E-03   69
 FARM CONDEMNATION (ha)              0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 POP. CONDEMNATION (INDIVIDUALS)      0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 POP. CONDEMNATION AREA (ha)          0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 MILK DISPOSAL AREA (ha)             0.9578  4.09E+05  2.80E+05  9.05E+05  1.22E+06  2.09E+06  2.26E+06  2.67E+06  1.14E-03  984
 CROP DISPOSAL AREA (ha)             0.9612  4.52E+05  3.11E+05  9.99E+05  1.30E+06  2.11E+06  2.27E+06  2.68E+06  1.13E-03  261

                          PROB                  QUANTILES                     PEAK     PEAK  PEAK
                       NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
AFFECTED AREA/POPULATION    322-805 km
 FARM DECONTAMINATION (ha)           0.3076  1.78E+05  0.00E+00  6.95E+05  1.07E+06  1.77E+06  2.14E+06  2.96E+06  1.14E-03  569
 POP. DECONTAMINATION (INDIVIDUALS)    0.3076  3.23E+05  0.00E+00  1.17E+06  1.98E+06  4.19E+06  5.18E+06  6.14E+06  1.15E-03  544
 POP. DECONTAMINATION AREA (ha)       0.3076  4.59E+05  0.00E+00  1.76E+06  2.43E+06  3.52E+06  3.94E+06  5.21E+06  1.14E-03  179
 FARM INTERDICTION (ha)              0.5407  9.29E+05  1.02E+05  3.05E+06  4.10E+06  7.21E+06  7.69E+06  8.82E+06  1.15E-03  976
 POP. INTERDICTION (INDIVIDUALS)      0.3076  3.23E+05  0.00E+00  1.17E+06  1.98E+06  4.19E+06  5.18E+06  6.14E+06  1.15E-03  544
 POP. INTERDICTION AREA (ha)          0.3076  4.59E+05  0.00E+00  1.76E+06  2.43E+06  3.52E+06  3.94E+06  5.21E+06  1.14E-03  179
 FARM CONDEMNATION (ha)              0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 POP. CONDEMNATION (INDIVIDUALS)      0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 POP. CONDEMNATION AREA (ha)          0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 MILK DISPOSAL AREA (ha)             0.5125  7.48E+05  4.79E+04  2.40E+06  3.59E+06  7.15E+06  7.65E+06  8.82E+06  1.15E-03  976
 CROP DISPOSAL AREA (ha)             0.5407  9.29E+05  1.02E+05  3.05E+06  4.10E+06  7.21E+06  7.69E+06  8.82E+06  1.15E-03  976

                          PROB                  QUANTILES                     PEAK     PEAK  PEAK
                       NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
AFFECTED AREA/POPULATION    805-1609 km
 FARM DECONTAMINATION (ha)           0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 POP. DECONTAMINATION (INDIVIDUALS)    0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 POP. DECONTAMINATION AREA (ha)       0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 FARM INTERDICTION (ha)              0.0222  9.25E+04  0.00E+00  0.00E+00  0.00E+00  5.03E+06  5.87E+06  9.51E+06  1.13E-03  396
 POP. INTERDICTION (INDIVIDUALS)      0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 POP. INTERDICTION AREA (ha)          0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 FARM CONDEMNATION (ha)              0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 POP. CONDEMNATION (INDIVIDUALS)      0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 POP. CONDEMNATION AREA (ha)          0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 MILK DISPOSAL AREA (ha)             0.0182  6.69E+04  0.00E+00  0.00E+00  0.00E+00  3.08E+06  5.30E+06  8.04E+06  1.14E-03  878
 CROP DISPOSAL AREA (ha)             0.0222  9.25E+04  0.00E+00  0.00E+00  0.00E+00  5.03E+06  5.87E+06  9.51E+06  1.13E-03  396

                          PROB                  QUANTILES                     PEAK     PEAK  PEAK
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| | NON-ZERO | MEAN | 50TH | 90TH | 95TH | 99TH | 99.5TH | CONSEQ | PROB | TRIAL |
|---|---|---|---|---|---|---|---|---|---|---|
| MAXIMUM ANNUAL FOOD DOSE (EFFECTIVE) | | | | | | | | | | |
| PROJECTED FOR INDIVIDUAL 11.3-16.1 km | 0.9977 | 7.74E-03 | 4.25E-03 | 1.68E-02 | 2.15E-02 | 2.91E-02 | 3.06E-02 | 3.29E-02 | 5.99E-04 | 149 |
| PROJECTED FOR INDIVIDUAL 25.8-32.2 km | 1.0000 | 9.54E-03 | 5.86E-03 | 2.08E-02 | 2.43E-02 | 3.06E-02 | 3.12E-02 | 3.26E-02 | 1.13E-03 | 203 |
| PROJECTED FOR INDIVIDUAL 40.2-48.3 km | 1.0000 | 1.08E-02 | 8.29E-03 | 2.17E-02 | 2.51E-02 | 3.07E-02 | 3.15E-02 | 3.30E-02 | 1.15E-03 | 177 |
| PROJECTED FOR INDIVIDUAL 48.3-64.4 km | 1.0000 | 1.13E-02 | 9.41E-03 | 2.18E-02 | 2.48E-02 | 3.04E-02 | 3.08E-02 | 3.29E-02 | 2.38E-04 | 187 |
| PROJECTED FOR INDIVIDUAL 64.4-80.5 km | 1.0000 | 1.20E-02 | 1.03E-02 | 2.26E-02 | 2.60E-02 | 3.08E-02 | 3.15E-02 | 3.29E-02 | 1.14E-03 | 142 |
| PROJECTED FOR INDIVIDUAL 113-161 km | 1.0000 | 1.30E-02 | 1.09E-02 | 2.35E-02 | 2.73E-02 | 3.06E-02 | 3.09E-02 | 3.29E-02 | 1.14E-04 | 161 |
| PROJECTED FOR INDIVIDUAL 241-322 km | 1.0000 | 1.42E-02 | 1.19E-02 | 2.55E-02 | 3.00E-02 | 3.12E-02 | 3.17E-02 | 3.29E-02 | 1.14E-03 | 131 |
| PROJECTED FOR INDIVIDUAL 563-805 km | 1.0000 | 1.15E-02 | 9.38E-03 | 2.38E-02 | 2.81E-02 | 3.10E-02 | 3.15E-02 | 3.26E-02 | 1.14E-03 | 215 |
| PROJECTED FOR INDIVIDUAL 805-1609 km | 1.0000 | 3.33E-03 | 1.05E-03 | 1.05E-02 | 1.22E-02 | 1.73E-02 | 2.01E-02 | 2.73E-02 | 5.99E-04 | 397 |

| | PROB | QUANTILES | | | | PEAK | PEAK | PEAK | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | NON-ZERO | MEAN | 50TH | 90TH | 95TH | 99TH | 99.5TH | CONSEQ | PROB | TRIAL |
| MAXIMUM ANNUAL FOOD DOSE (THYROID) | | | | | | | | | | |
| PROJECTED FOR INDIVIDUAL 11.3-16.1 km | 0.9977 | 1.18E-02 | 3.22E-03 | 3.60E-02 | 5.02E-02 | 6.09E-02 | 6.62E-02 | 7.78E-02 | 1.14E-03 | 393 |
| PROJECTED FOR INDIVIDUAL 25.8-32.2 km | 1.0000 | 1.53E-02 | 8.27E-03 | 3.94E-02 | 5.12E-02 | 6.84E-02 | 7.23E-02 | 7.85E-02 | 1.14E-03 | 328 |
| PROJECTED FOR INDIVIDUAL 40.2-48.3 km | 1.0000 | 1.72E-02 | 1.08E-02 | 3.90E-02 | 4.85E-02 | 6.09E-02 | 6.66E-02 | 7.37E-02 | 1.14E-03 | 393 |
| PROJECTED FOR INDIVIDUAL 48.3-64.4 km | 1.0000 | 1.76E-02 | 1.17E-02 | 3.74E-02 | 4.52E-02 | 5.83E-02 | 6.35E-02 | 7.34E-02 | 1.14E-03 | 376 |
| PROJECTED FOR INDIVIDUAL 64.4-80.5 km | 1.0000 | 1.76E-02 | 1.25E-02 | 3.49E-02 | 4.00E-02 | 5.27E-02 | 5.67E-02 | 6.65E-02 | 1.14E-03 | 142 |
| PROJECTED FOR INDIVIDUAL 113-161 km | 1.0000 | 1.75E-02 | 1.31E-02 | 3.30E-02 | 3.65E-02 | 4.60E-02 | 5.04E-02 | 5.50E-02 | 1.14E-03 | 294 |
| PROJECTED FOR INDIVIDUAL 241-322 km | 1.0000 | 1.76E-02 | 1.49E-02 | 3.18E-02 | 3.37E-02 | 3.84E-02 | 4.06E-02 | 4.57E-02 | 1.14E-03 | 175 |
| PROJECTED FOR INDIVIDUAL 563-805 km | 1.0000 | 1.36E-02 | 1.02E-02 | 3.06E-02 | 3.20E-02 | 3.56E-02 | 3.73E-02 | 4.11E-02 | 1.14E-03 | 189 |
| PROJECTED FOR INDIVIDUAL 805-1609 km | 1.0000 | 3.70E-03 | 1.14E-03 | 1.12E-02 | 1.55E-02 | 2.22E-02 | 2.38E-02 | 2.93E-02 | 5.99E-04 | 397 |

**** Indicates that the value is outside resolution of the analysis.
Optionally increase number of trials for better resolution.

Successful completion of MACCS2 was achieved!
This job required a total of 287756.562 CPU seconds

Input processing required 4.219 CPU seconds
Simulation required 287748.812 CPU seconds
Output processing required 3.531 CPU seconds