```
MACCS2 11/13/2012 13:26:03   Version 3.7.0.0   : 11/9/12    132603.234
P1:  ATMOS USER INPUT (UNIT 24) = C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\Early 30-mile evac\1.6u HighDensity\Input\Atmos2.inp
P2:  EARLY USER INPUT (UNIT 25) = C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\Early 30-mile evac\1.6u HighDensity\Input\Early2.inp
P3: CHRONC USER INPUT (UNIT 26) = C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\Early 30-mile evac\1.6u HighDensity\Input\Chronc2.inp
P4:  METEOROLOGY DATA (UNIT 28) = C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\Early 30-mile evac\1.6u 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)\Early 30-mile evac\1.6u HighDensity\Input\Sumpop_site.inp
P6:       LIST OUTPUT (UNIT 06) = C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\Early 30-mile evac\1.6u 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 11:00:34 AM
     *
     * MACCS2 Cyclical File: C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\Early 30-mile evac\1.6u 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      'OCP1 high density uniform 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
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51  ISNAMSTB009     U-237
52  ISNAMSTB010     Np-237
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).
    *
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    * CYSIGA, Dispersion function parameter
141  DPCYSIGA001     .7507
142  DPCYSIGA002     .7507
143  DPCYSIGA003     .4063
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.
204  WEBUILDH024     50.
205  WEBUILDH025     50.
206  WEBUILDH026     50.
207  WEBUILDH027     50.
208  WEBUILDH028     50.
209  WEBUILDH029     50.
210  WEBUILDH030     50.
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211 WEBUILDH031     50.
212 WEBUILDH032     50.
213 WEBUILDH033     50.
214 WEBUILDH034     50.
215 WEBUILDH035     50.
216 WEBUILDH036     50.
217 WEBUILDH037     50.
218 WEBUILDH038     50.
219 WEBUILDH039     50.
220 WEBUILDH040     50.
221 WEBUILDH041     50.
222 WEBUILDH042     50.
223 WEBUILDH043     50.
224 WEBUILDH044     50.
225 WEBUILDH045     50.
226 WEBUILDH046     50.
227 WEBUILDH047     50.
228 WEBUILDH048     50.
229 WEBUILDH049     50.
230 WEBUILDH050     50.
231 WEBUILDH051     50.
232 WEBUILDH052     50.
233 WEBUILDH053     50.
234 WEBUILDH054     50.
235 WEBUILDH055     50.
236 WEBUILDH056     50.
237 WEBUILDH057     50.
238 WEBUILDH058     50.
239 WEBUILDH059     50.
240 WEBUILDH060     50.
241 WEBUILDH061     50.
242 WEBUILDH062     50.
243 WEBUILDH063     50.
244 WEBUILDH064     50.
    *
    * SIGYINIT, initial value of sigma-y for each of the plumes (meters)
245 SIGYINIT001     11.6
246 SIGYINIT002     11.6
247 SIGYINIT003     11.6
248 SIGYINIT004     11.6
249 SIGYINIT005     11.6
250 SIGYINIT006     11.6
251 SIGYINIT007     11.6
252 SIGYINIT008     11.6
253 SIGYINIT009     11.6
254 SIGYINIT010     11.6
255 SIGYINIT011     11.6
256 SIGYINIT012     11.6
257 SIGYINIT013     11.6
258 SIGYINIT014     11.6
259 SIGYINIT015     11.6
260 SIGYINIT016     11.6
261 SIGYINIT017     11.6
262 SIGYINIT018     11.6
263 SIGYINIT019     11.6
264 SIGYINIT020     11.6
265 SIGYINIT021     11.6
266 SIGYINIT022     11.6
267 SIGYINIT023     11.6
268 SIGYINIT024     11.6
269 SIGYINIT025     11.6
270 SIGYINIT026     11.6
271 SIGYINIT027     11.6
272 SIGYINIT028     11.6
273 SIGYINIT029     11.6
274 SIGYINIT030     11.6
275 SIGYINIT031     11.6
276 SIGYINIT032     11.6
277 SIGYINIT033     11.6
278 SIGYINIT034     11.6
279 SIGYINIT035     11.6
280 SIGYINIT036     11.6
281 SIGYINIT037     11.6
282 SIGYINIT038     11.6
283 SIGYINIT039     11.6
284 SIGYINIT040     11.6
285 SIGYINIT041     11.6
286 SIGYINIT042     11.6
287 SIGYINIT043     11.6
288 SIGYINIT044     11.6
289 SIGYINIT045     11.6
290 SIGYINIT046     11.6
291 SIGYINIT047     11.6
292 SIGYINIT048     11.6
293 SIGYINIT049     11.6
294 SIGYINIT050     11.6
295 SIGYINIT051     11.6
296 SIGYINIT052     11.6
297 SIGYINIT053     11.6
298 SIGYINIT054     11.6
299 SIGYINIT055     11.6
300 SIGYINIT056     11.6
301 SIGYINIT057     11.6
302 SIGYINIT058     11.6
303 SIGYINIT059     11.6
304 SIGYINIT060     11.6
305 SIGYINIT061     11.6
306 SIGYINIT062     11.6
307 SIGYINIT063     11.6
308 SIGYINIT064     11.6
    *
    * SIGZINIT, initial value of sigma-z for each of the plumes (meters)
309 SIGZINIT001     23.3
310 SIGZINIT002     23.3
311 SIGZINIT003     23.3
312 SIGZINIT004     23.3
313 SIGZINIT005     23.3
314 SIGZINIT006     23.3
315 SIGZINIT007     23.3
316 SIGZINIT008     23.3
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317  SIGZINIT009      23.3
318  SIGZINIT010      23.3
319  SIGZINIT011      23.3
320  SIGZINIT012      23.3
321  SIGZINIT013      23.3
322  SIGZINIT014      23.3
323  SIGZINIT015      23.3
324  SIGZINIT016      23.3
325  SIGZINIT017      23.3
326  SIGZINIT018      23.3
327  SIGZINIT019      23.3
328  SIGZINIT020      23.3
329  SIGZINIT021      23.3
330  SIGZINIT022      23.3
331  SIGZINIT023      23.3
332  SIGZINIT024      23.3
333  SIGZINIT025      23.3
334  SIGZINIT026      23.3
335  SIGZINIT027      23.3
336  SIGZINIT028      23.3
337  SIGZINIT029      23.3
338  SIGZINIT030      23.3
339  SIGZINIT031      23.3
340  SIGZINIT032      23.3
341  SIGZINIT033      23.3
342  SIGZINIT034      23.3
343  SIGZINIT035      23.3
344  SIGZINIT036      23.3
345  SIGZINIT037      23.3
346  SIGZINIT038      23.3
347  SIGZINIT039      23.3
348  SIGZINIT040      23.3
349  SIGZINIT041      23.3
350  SIGZINIT042      23.3
351  SIGZINIT043      23.3
352  SIGZINIT044      23.3
353  SIGZINIT045      23.3
354  SIGZINIT046      23.3
355  SIGZINIT047      23.3
356  SIGZINIT048      23.3
357  SIGZINIT049      23.3
358  SIGZINIT050      23.3
359  SIGZINIT051      23.3
360  SIGZINIT052      23.3
361  SIGZINIT053      23.3
362  SIGZINIT054      23.3
363  SIGZINIT055      23.3
364  SIGZINIT056      23.3
365  SIGZINIT057      23.3
366  SIGZINIT058      23.3
367  SIGZINIT059      23.3
368  SIGZINIT060      23.3
369  SIGZINIT061      23.3
370  SIGZINIT062      23.3
371  SIGZINIT063   23.3
372  SIGZINIT064      23.3
     *
     * ATNAM2, specific descriptive text describing this particular source term
373  RDATNAM2001      'OCP1 high density uniform no spray'
     *
     * OALARM, time after accident initiation that off-site alarm is initiated (sec)
374  RDOALARM001      0.
     *
     * Form 'Plume Parameters' Comment:
     * These values come from MELCOR PTF file.  Plume discretization is done by user.
     *
     * NUMREL, number of plumes
375  RDNUMREL001      64
     *
     * MAXRIS, selection of risk-dominant plume segment
376  RDMAXRIS001      1
     *
     * REFTIM, representative time point for dispersion and radioactive decay
377  RDREFTIM001      0.
378  RDREFTIM002      0.5
379  RDREFTIM003      0.5
380  RDREFTIM004      0.5
381  RDREFTIM005      0.5
382  RDREFTIM006      0.5
383  RDREFTIM007      0.5
384  RDREFTIM008      0.5
385  RDREFTIM009      0.5
386  RDREFTIM010      0.5
387  RDREFTIM011      0.5
388  RDREFTIM012      0.5
389  RDREFTIM013      0.5
390  RDREFTIM014      0.5
391  RDREFTIM015      0.5
392  RDREFTIM016      0.5
393  RDREFTIM017      0.5
394  RDREFTIM018      0.5
395  RDREFTIM019      0.5
396  RDREFTIM020      0.5
397  RDREFTIM021      0.5
398  RDREFTIM022      0.5
399  RDREFTIM023      0.5
400  RDREFTIM024      0.5
401  RDREFTIM025      0.5
402  RDREFTIM026      0.5
403  RDREFTIM027      0.5
404  RDREFTIM028      0.5
405  RDREFTIM029      0.5
406  RDREFTIM030      0.5
407  RDREFTIM031      0.5
408  RDREFTIM032      0.5
409  RDREFTIM033      0.5
410  RDREFTIM034      0.5
411  RDREFTIM035      0.5
412  RDREFTIM036      0.5
413  RDREFTIM037      0.5
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RDREFTIM038      0.5
RDREFTIM039      0.5
RDREFTIM040      0.5
RDREFTIM041      0.5
RDREFTIM042      0.5
RDREFTIM043      0.5
RDREFTIM044      0.5
RDREFTIM045      0.5
RDREFTIM046      0.5
RDREFTIM047      0.5
RDREFTIM048      0.5
RDREFTIM049      0.5
RDREFTIM050      0.5
RDREFTIM051      0.5
RDREFTIM052      0.5
RDREFTIM053      0.5
RDREFTIM054      0.5
RDREFTIM055      0.5
RDREFTIM056      0.5
RDREFTIM057      0.5
RDREFTIM058      0.5
RDREFTIM059      0.5
RDREFTIM060      0.5
RDREFTIM061      0.5
RDREFTIM062      0.5
RDREFTIM063      0.5
RDREFTIM064      0.5
*
* PLM_DEN, plume rise model density
RDPLMMOD001      DENSITY
*
* Form 'Density and Flow' Comment:
* Come in thru MELMACCS.
*
* PLMFLO, Heat by Density
RDPLMFLA001      0.11834
RDPLMFLA002      0.15729
RDPLMFLA003      0.1736
RDPLMFLA004      0.19264
RDPLMFLA005      0.2105
RDPLMFLA006      0.22662
RDPLMFLA007      0.24
RDPLMFLA008      0.25046
RDPLMFLA009      0.25875
RDPLMFLA010      0.26607
RDPLMFLA011      0.27322
RDPLMFLA012      0.28002
RDPLMFLA013      0.28564
RDPLMFLA014      0.28822
RDPLMFLA015      0.28928
RDPLMFLA016      0.29095
RDPLMFLA017      0.29189
RDPLMFLA018      0.29141
RDPLMFLA019      0.29253
RDPLMFLA020      0.29617
RDPLMFLA021      0.29941
RDPLMFLA022      0.29975
RDPLMFLA023      0.29696
RDPLMFLA024      0.29484
RDPLMFLA025      0.29431
RDPLMFLA026      0.29422
RDPLMFLA027      0.29552
RDPLMFLA028      0.29576
RDPLMFLA029      0.29463
RDPLMFLA030      0.29372
RDPLMFLA031      0.29482
RDPLMFLA032      0.29577
RDPLMFLA033      0.29473
RDPLMFLA034      0.29458
RDPLMFLA035      0.29461
RDPLMFLA036      0.29467
RDPLMFLA037      0.29468
RDPLMFLA038      0.29472
RDPLMFLA039      0.29473
RDPLMFLA040      0.29473
RDPLMFLA041      0.29475
RDPLMFLA042      0.29479
RDPLMFLA043      0.29491
RDPLMFLA044      0.29585
RDPLMFLA045      0.29635
RDPLMFLA046      0.29592
RDPLMFLA047      0.29584
RDPLMFLA048      0.29582
RDPLMFLA049      0.29583
RDPLMFLA050      0.29592
RDPLMFLA051      0.29596
RDPLMFLA052      0.29597
RDPLMFLA053      0.29597
RDPLMFLA054      0.29601
RDPLMFLA055      0.29598
RDPLMFLA056      0.29614
RDPLMFLA057      0.29636
RDPLMFLA058      0.29635
RDPLMFLA059      0.29632
RDPLMFLA060      0.2963
RDPLMFLA061      0.29628
RDPLMFLA062      0.29629
RDPLMFLA063      0.29629
RDPLMFLA064      0.29629
*
* PLMDEN, Heat by Density
RDPLMDEN001      1.1114
RDPLMDEN002      1.0909
RDPLMDEN003      1.0654
RDPLMDEN004      1.0379
RDPLMDEN005      1.0078
RDPLMDEN006      0.97612
RDPLMDEN007      0.94485
RDPLMDEN008      0.91716
RDPLMDEN009      0.89202
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515 RDPLMDEN010     0.86605
516 RDPLMDEN011     0.83919
517 RDPLMDEN012     0.81172
518 RDPLMDEN013     0.78441
519 RDPLMDEN014     0.76143
520 RDPLMDEN015     0.74324
521 RDPLMDEN016     0.72731
522 RDPLMDEN017  0.71358
523 RDPLMDEN018     0.70079
524 RDPLMDEN019     0.68505
525 RDPLMDEN020     0.66508
526 RDPLMDEN021     0.64268
527 RDPLMDEN022     0.6187
528 RDPLMDEN023     0.60086
529 RDPLMDEN024     0.59384
530 RDPLMDEN025     0.59219
531 RDPLMDEN026     0.59248
532 RDPLMDEN027     0.59077
533 RDPLMDEN028     0.58915
534 RDPLMDEN029     0.59017
535 RDPLMDEN030     0.59128
536 RDPLMDEN031     0.5939
537 RDPLMDEN032     0.59643
538 RDPLMDEN033     0.59887
539 RDPLMDEN034     0.60276
540 RDPLMDEN035     0.60729
541 RDPLMDEN036     0.61137
542 RDPLMDEN037     0.61463
543 RDPLMDEN038     0.61757
544 RDPLMDEN039     0.62015
545 RDPLMDEN040     0.62249
546 RDPLMDEN041     0.62448
547 RDPLMDEN042     0.62608
548 RDPLMDEN043     0.62704
549 RDPLMDEN044     0.62477
550 RDPLMDEN045     0.6193
551 RDPLMDEN046     0.61479
552 RDPLMDEN047     0.61221
553 RDPLMDEN048     0.61044
554 RDPLMDEN049     0.60918
555 RDPLMDEN050     0.60822
556 RDPLMDEN051     0.60732
557 RDPLMDEN052     0.60651
558 RDPLMDEN053     0.60581
559 RDPLMDEN054     0.60515
560 RDPLMDEN055     0.60502
561 RDPLMDEN056     0.6048
562 RDPLMDEN057     0.60373
563 RDPLMDEN058     0.60257
564 RDPLMDEN059     0.60166
565 RDPLMDEN060     0.60088
566 RDPLMDEN061     0.60016
567 RDPLMDEN062     0.5995
568 RDPLMDEN063     0.59891
569 RDPLMDEN064     0.59834
    *
    * BRGSMD, Briggs plume rise model
570 RDBRGSMD001     IMPROVED
    *
    * PLHITE, height of each plume segment at release (meters)
571 RDPLHITE001     50.
572 RDPLHITE002     50.
573 RDPLHITE003     50.
574 RDPLHITE004     50.
575 RDPLHITE005     50.
576 RDPLHITE006     50.
577 RDPLHITE007     50.
578 RDPLHITE008     50.
579 RDPLHITE009     50.
580 RDPLHITE010     50.
581 RDPLHITE011     50.
582 RDPLHITE012     50.
583 RDPLHITE013     50.
584 RDPLHITE014     50.
585 RDPLHITE015     50.
586 RDPLHITE016     50.
587 RDPLHITE017     50.
588 RDPLHITE018     50.
589 RDPLHITE019     50.
590 RDPLHITE020     50.
591 RDPLHITE021     50.
592 RDPLHITE022     50.
593 RDPLHITE023     50.
594 RDPLHITE024     50.
595 RDPLHITE025     50.
596 RDPLHITE026     50.
597 RDPLHITE027     50.
598 RDPLHITE028     50.
599 RDPLHITE029     50.
600 RDPLHITE030     50.
601 RDPLHITE031     50.
602 RDPLHITE032     50.
603 RDPLHITE033     50.
604 RDPLHITE034     50.
605 RDPLHITE035     50.
606 RDPLHITE036     50.
607 RDPLHITE037     50.
608 RDPLHITE038     50.
609 RDPLHITE039     50.
610 RDPLHITE040     50.
611 RDPLHITE041     50.
612 RDPLHITE042     50.
613 RDPLHITE043     50.
614 RDPLHITE044     50.
615 RDPLHITE045     50.
616 RDPLHITE046     50.
617 RDPLHITE047     50.
618 RDPLHITE048     50.
619 RDPLHITE049     50.
620 RDPLHITE050     50.
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621 RDPLHITE051     50.
622 RDPLHITE052     50.
623 RDPLHITE053     50.
624 RDPLHITE054     50.
625 RDPLHITE055     50.
626 RDPLHITE056     50.
627 RDPLHITE057     50.
628 RDPLHITE058     50.
629 RDPLHITE059     50.
630 RDPLHITE060     50.
631 RDPLHITE061     50.
632 RDPLHITE062     50.
633 RDPLHITE063     50.
634 RDPLHITE064     50.
    *
    * PLUDUR, duration of each plume segment (sec)
635 RDPLUDUR001     2720.
636 RDPLUDUR002     3600.
637 RDPLUDUR003     3600.
638 RDPLUDUR004     3600.
639 RDPLUDUR005     3600.
640 RDPLUDUR006     3600.
641 RDPLUDUR007     3600.
642 RDPLUDUR008     3600.
643 RDPLUDUR009     3600.
644 RDPLUDUR010     3600.
645 RDPLUDUR011     3600.
646 RDPLUDUR012     3600.
647 RDPLUDUR013     3600.
648 RDPLUDUR014     3600.
649 RDPLUDUR015     3600.
650 RDPLUDUR016     3600.
651 RDPLUDUR017     3600.
652 RDPLUDUR018     3600.
653 RDPLUDUR019     3600.
654 RDPLUDUR020     3600.
655 RDPLUDUR021     3600.
656 RDPLUDUR022     3600.
657 RDPLUDUR023     3600.
658 RDPLUDUR024     3600.
659 RDPLUDUR025     3600.
660 RDPLUDUR026     3600.
661 RDPLUDUR027     3600.
662 RDPLUDUR028     3600.
663 RDPLUDUR029     3600.
664 RDPLUDUR030     3600.
665 RDPLUDUR031     3600.
666 RDPLUDUR032     3600.
667 RDPLUDUR033     3600.
668 RDPLUDUR034     3600.
669 RDPLUDUR035     3600.
670 RDPLUDUR036     3600.
671 RDPLUDUR037     3600.
672 RDPLUDUR038     3600.
673 RDPLUDUR039     3600.
674 RDPLUDUR040     3600.
675 RDPLUDUR041     3600.
676 RDPLUDUR042     3600.
677 RDPLUDUR043     3600.
678 RDPLUDUR044     3600.
679 RDPLUDUR045     3600.
680 RDPLUDUR046     3600.
681 RDPLUDUR047     3600.
682 RDPLUDUR048     3600.
683 RDPLUDUR049     3600.
684 RDPLUDUR050     3600.
685 RDPLUDUR051     3600.
686 RDPLUDUR052     3600.
687 RDPLUDUR053     3600.
688 RDPLUDUR054     3600.
689 RDPLUDUR055     3600.
690 RDPLUDUR056     3600.
691 RDPLUDUR057     3600.
692 RDPLUDUR058     3600.
693 RDPLUDUR059     3600.
694 RDPLUDUR060     3600.
695 RDPLUDUR061     3600.
696 RDPLUDUR062     3600.
697 RDPLUDUR063     3600.
698 RDPLUDUR064     3600.
    *
    * PDELAY, time of release for each plume from xxxx (sec)
699 RDPDELAY001     29680.
700 RDPDELAY002     32400.
701 RDPDELAY003     36000.
702 RDPDELAY004     39600.
703 RDPDELAY005     43200.
704 RDPDELAY006     46800.
705 RDPDELAY007     50400.
706 RDPDELAY008     54000.
707 RDPDELAY009     57600.
708 RDPDELAY010     61200.
709 RDPDELAY011     64800.
710 RDPDELAY012     68400.
711 RDPDELAY013     72000.
712 RDPDELAY014     75600.
713 RDPDELAY015     79200.
714 RDPDELAY016     82800.
715 RDPDELAY017     86400.
716 RDPDELAY018     90000.
717 RDPDELAY019     93600.
718 RDPDELAY020     97200.
719 RDPDELAY021     1.00800E+05
720 RDPDELAY022     1.04400E+05
721 RDPDELAY023     1.08000E+05
722 RDPDELAY024     1.11600E+05
723 RDPDELAY025     1.15200E+05
724 RDPDELAY026     1.18800E+05
725 RDPDELAY027     1.22400E+05
726 RDPDELAY028     1.26000E+05
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RDPDELAY029     1.29600E+05
RDPDELAY030     1.33200E+05
RDPDELAY031     1.36800E+05
RDPDELAY032     1.40400E+05
RDPDELAY033     1.44000E+05
RDPDELAY034     1.47600E+05
RDPDELAY035     1.51200E+05
RDPDELAY036     1.54800E+05
RDPDELAY037     1.58400E+05
RDPDELAY038     1.62000E+05
RDPDELAY039     1.65600E+05
RDPDELAY040     1.69200E+05
RDPDELAY041     1.72800E+05
RDPDELAY042     1.76400E+05
RDPDELAY043     1.80000E+05
RDPDELAY044     1.83600E+05
RDPDELAY045     1.87200E+05
RDPDELAY046     1.90800E+05
RDPDELAY047     1.94400E+05
RDPDELAY048     1.98000E+05
RDPDELAY049     2.01600E+05
RDPDELAY050     2.05200E+05
RDPDELAY051     2.08800E+05
RDPDELAY052     2.12400E+05
RDPDELAY053     2.16000E+05
RDPDELAY054     2.19600E+05
RDPDELAY055     2.23200E+05
RDPDELAY056     2.26800E+05
RDPDELAY057     2.30400E+05
RDPDELAY058     2.34000E+05
RDPDELAY059     2.37600E+05
RDPDELAY060     2.41200E+05
RDPDELAY061     2.44800E+05
RDPDELAY062     2.48400E+05
RDPDELAY063     2.52000E+05
RDPDELAY064     2.55600E+05
*
* Form 'Particle Size Distribution' Comment:
* Particle size distribution from MELMACCS.
*
* PSDIST, particle size distribution of each element group
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
RDPSDIST002     8.331E-04       4.4978E-03      1.8138E-02      7.7065E-02      2.3923E-01      3.2632E-01      2.0517E-01      9.7477E-02      2.7224E-02      4.043E-03
RDPSDIST003     9.625E-04       6.0276E-03      2.2624E-02      8.68E-02        2.5312E-01      3.2592E-01      1.9538E-01      8.4877E-02      1.9055E-02      5.2328E-03
RDPSDIST004     7.9483E-04      4.5547E-03      1.8403E-02      7.5276E-02      2.319E-01       3.2316E-01      2.1013E-01      1.033E-01       2.8756E-02      3.7313E-03
RDPSDIST005     8.0079E-04      4.5791E-03      1.8509E-02      7.5558E-02      2.3226E-01      3.2321E-01      2.0982E-01      1.0287E-01      2.8571E-02      3.8246E-03
RDPSDIST006     1.5121E-03      5.6236E-03      2.4063E-02      9.3482E-02      2.1643E-01      2.1515E-01      9.7805E-02      3.6139E-02      8.3931E-03      3.014E-01
RDPSDIST007     8.2722E-04      4.3821E-03      1.7913E-02      7.6474E-02      2.3576E-01      3.2486E-01      2.0724E-01      9.9679E-02      2.7965E-02      4.9015E-03
RDPSDIST008     1.4555E-03      6.8872E-03      2.9131E-02      1.0862E-01      2.4523E-01      3.0129E-01      1.8553E-01      8.5154E-02      2.0354E-02      1.6346E-02
RDPSDIST009     1.4555E-03      6.8873E-03      2.9131E-02      1.0862E-01      2.4523E-01      3.0128E-01      1.8554E-01      8.5157E-02      2.0355E-02      1.6351E-02
*
* CORINV, inventory of each radionuclide present in the facility at the time of accident initiation (becquerels)
RDCORINV001     Kr-85   3.07E+16
RDCORINV002     Kr-85m  1.52E+11
RDCORINV003     Kr-87   6.73E-04
RDCORINV004     Kr-88   1.72E+08
RDCORINV005     Xe-133  6.6E+17
RDCORINV006     Xe-135  3.21E+15
RDCORINV007     Xe-135m 1.53E+13
RDCORINV008     Cs-134  6.22E+17
RDCORINV009     Cs-136  1.08E+17
RDCORINV010     Cs-137  1.53E+18
RDCORINV011     Rb-86   3.57E+15
RDCORINV012     Rb-88   6.05E+08
RDCORINV013     Ba-139  0.347
RDCORINV014     Ba-140  6.85E+17
RDCORINV015     Sr-89   3.64E+17
RDCORINV016     Sr-90   1.19E+18
RDCORINV017     Sr-91   9.28E+14
RDCORINV018     Sr-92   1.39E+08
RDCORINV019     Ba-137m 1.61E+18
RDCORINV020     I-131   2.89E+17
RDCORINV021     I-132   2.57E+17
RDCORINV022     I-133   4.4E+16
RDCORINV023     I-134   7.25E-12
RDCORINV024     I-135   8.01E+13
RDCORINV025     Te-127  2.44E+16
RDCORINV026     Te-127m 6.37E+15
RDCORINV027     Te-129  1.24E+16
RDCORINV028     Te-129m 1.95E+16
RDCORINV029     Te-131m 1.05E+16
RDCORINV030     Te-132  2.5E+17
RDCORINV031     Te-131  2.36E+15
RDCORINV032     Rh-105  1.27E+17
RDCORINV033     Ru-103  8.16E+17
RDCORINV034     Ru-105  9.2E+11
RDCORINV035     Ru-106  4.03E+17
RDCORINV036     Rh-103m 8.16E+17
RDCORINV037     Rh-106  4.03E+17
RDCORINV038     Nb-95   5.91E+17
RDCORINV039     Co-58   8.84E+13
RDCORINV040     Co-60   5.21E+14
RDCORINV041     Mo-99   2.79E+17
RDCORINV042     Tc-99m  2.7E+17
RDCORINV043     Nb-97   1.8E+16
RDCORINV044     Nb-97m  1.69E+16
RDCORINV045     Ce-141  7.63E+17
RDCORINV046     Ce-143  1.21E+17
RDCORINV047     Ce-144  6.84E+17
RDCORINV048     Np-239  3.87E+18
RDCORINV049     Pu-238  1.06E+16
RDCORINV050     Pu-239  8.34E+14
RDCORINV051     Pu-240  1.71E+15
RDCORINV052     Pu-241  2.45E+17
RDCORINV053     Zr-95   7.68E+17
RDCORINV054     Zr-97   2.42E+16
RDCORINV055     Am-241  5.39E+15
RDCORINV056     Cm-242  6.93E+16
RDCORINV057     Cm-244  1.35E+16
RDCORINV058     La-140  1.E+18
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830  RDCORINV059      La-141  2.55E+11
831  RDCORINV060      La-142  8.01
832  RDCORINV061      Nd-147  3.3E+17
833  RDCORINV062      Pr-143  8.27E+17
834  RDCORINV063      Y-90    2.8E+17
835  RDCORINV064      Y-91    6.55E+17
836  RDCORINV065      Y-92    1.37E+11
837  RDCORINV066      Y-93    2.27E+15
838  RDCORINV067      Y-91m   7.71E+14
839  RDCORINV068      Pr-144  8.57E+17
840  RDCORINV069      Pr-144m 1.2E+16
     *
     * Form 'Inventory Scale Factor' Comment:
     * Set by MELMACCS.
     *
     * CORSCA, scaling factor to adjust the core inventory
841  RDCORSCA001      1.0
     *
     * APLFRC, Specifies how release fractions are applied to daughter ingrowth products
842  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
843  RDRELFRC001      9.6129E-04      0.003143        0.0015256       0.033879        0.034   6.538E-08       8.5067E-06      1.0981E-10      8.5339E-11
844  RDRELFRC002      0.0012199       2.9775E-04      1.248E-04       0.0030748       0.0030734       9.3564E-07      1.1647E-04      1.4316E-11      1.1125E-11
845  RDRELFRC003      0.0018962       1.1809E-04      6.72E-06        9.05E-04        9.056E-04       2.4571E-06      2.9822E-04      3.7497E-11      2.914E-11
846  RDRELFRC004      0.0027102       1.9183E-04      5.45E-06        0.001445        0.0014504       4.4498E-06      5.1549E-04      6.7814E-11      5.27E-11
847  RDRELFRC005      0.0033911       1.9731E-04      3.19E-06        0.0014899       0.0014973       4.939E-06       5.4349E-04      7.5223E-11      5.8457E-11
848  RDRELFRC006      0.0035217       1.7315E-04      2.57E-06        0.0013119       0.0013182       4.4176E-06      4.7819E-04      6.7272E-11      5.2279E-11
849  RDRELFRC007      0.0035029       1.3248E-04      1.95E-06        0.0010032       0.0010084       3.3803E-06      3.6591E-04      5.1477E-11      4.0004E-11
850  RDRELFRC008      0.0031494       9.125E-05       1.3E-06 6.903E-04       6.939E-04       2.3248E-06      2.5228E-04      3.5401E-11      2.751E-11
851  RDRELFRC009      0.0031542       0.0017533       6.6888E-04      1.016E-04       1.022E-04       1.9275E-06      2.0966E-04      2.9561E-11      2.3276E-11
852  RDRELFRC010      0.0035053       1.4911E-04      8.8E-07 3.16E-04        3.191E-04       1.8572E-06      2.0404E-04      2.8637E-11      2.2756E-11
853  RDRELFRC011      0.0038307       9.065E-05       3.E-08  6.94E-04        7.004E-04       2.1487E-06      2.3934E-04      3.2839E-11      2.5692E-11
854  RDRELFRC012      0.0040898       9.75E-05        5.5E-07 7.023E-04       7.124E-04       2.2595E-06      2.522E-04       3.4502E-11      2.696E-11
855  RDRELFRC013      0.0042879       9.664E-05       5.4E-07 6.881E-04       7.009E-04       2.2368E-06      2.4965E-04      3.4109E-11      2.6593E-11
856  RDRELFRC014      0.0043831       9.761E-05       8.5E-07 6.789E-04       6.926E-04       2.1661E-06      2.4094E-04      3.302E-11       2.5728E-11
857  RDRELFRC015      0.0044395       8.772E-05       7.3E-07 6.069E-04       6.208E-04       1.9515E-06      2.1673E-04      2.9742E-11      2.3168E-11
858  RDRELFRC016      0.0044583       7.695E-05       5.6E-07 5.476E-04       5.611E-04       1.7845E-06      1.9793E-04      2.7185E-11      2.1163E-11
859  RDRELFRC017      0.0044601       6.773E-05       3.6E-07 5.046E-04       5.167E-04       1.6597E-06      1.8348E-04      2.528E-11       1.9679E-11
860  RDRELFRC018      0.0044262       0.0034392       0.0013796       3.872E-04       3.961E-04       1.6085E-06      1.7658E-04      2.4513E-11      1.9101E-11
861  RDRELFRC019      0.0041113       3.2E-06 6.97E-06        0.      0.      1.6333E-06      1.7732E-04      2.5001E-11      1.9623E-11
862  RDRELFRC020      0.0047746       7.1E-05 5.48E-06        0.      0.      1.6409E-06      1.7681E-04      2.5081E-11      1.9641E-11
863  RDRELFRC021      0.0036118       0.0027568       6.4695E-04      1.892E-04       2.314E-04       1.4443E-06      1.5529E-04      2.2023E-11      1.722E-11
864  RDRELFRC022      0.0021377       0.0052734       0.0018003       0.      2.E-07  1.2375E-06      1.3207E-04      1.8934E-11      1.4975E-11
865  RDRELFRC023      0.0054272       9.4E-06 2.979E-05       0.      0.      1.2167E-06      1.2898E-04      1.9061E-11      1.5589E-11
866  RDRELFRC024      0.0057739       1.188E-04       1.751E-05       0.      0.      1.7747E-06      1.8953E-04      2.7935E-11      2.2904E-11
867  RDRELFRC025      0.0068984       2.447E-04       6.53E-06        0.      0.      3.6627E-06      3.8755E-04      5.6734E-11      4.5328E-11
868  RDRELFRC026      0.0085173       5.36E-04        2.4E-07 0.0024657       0.0026609       6.9047E-06      7.008E-04       1.0663E-10      8.4847E-11
869  RDRELFRC027      0.01091 8.979E-04       0.      0.0040462       0.004111        1.2073E-05      0.0011434       1.8642E-10      1.4834E-10
870  RDRELFRC028      0.013904        0.0013148       0.      0.0055413       0.0056156       1.971E-05       0.0016634       3.0452E-10      2.4207E-10
871  RDRELFRC029      0.01681 0.0016176       0.      0.0065247       0.0066168       2.8142E-05      0.0020028       4.3448E-10      3.4537E-10
872  RDRELFRC030      0.019518        0.0017005       0.      0.0069863       0.0070834       3.6802E-05      0.0020421       5.6819E-10      4.5079E-10
873  RDRELFRC031      0.0215  0.0016523       0.      0.0069834       0.0070808       4.7572E-05      0.0018817       7.3638E-10      5.8283E-10
874  RDRELFRC032      0.022817        0.0014855       0.      0.0065476       0.006644        5.91E-05        0.001632        9.1647E-10      7.2492E-10
875  RDRELFRC033      0.023114        0.0012867       0.      0.0056689       0.0057625       6.9241E-05      0.0013103       1.0749E-09      8.5052E-10
876  RDRELFRC034      0.022891        0.0011492       0.      0.0049094       0.0050003       8.6918E-05      0.001057        1.3515E-09      1.0704E-09
877  RDRELFRC035      0.022348        9.029E-04       0.      0.0042287       0.004316        1.1027E-04      8.617E-04       1.7169E-09      1.3595E-09
878  RDRELFRC036      0.021644        7.166E-04       0.      0.003502        0.003586        1.3146E-04      6.939E-04       2.0512E-09      1.6251E-09
879  RDRELFRC037      0.020814        5.662E-04       0.      0.002848        0.002925        1.5046E-04      5.599E-04       2.3546E-09      1.8676E-09
880  RDRELFRC038      0.0201  4.505E-04       0.      0.002324        0.002394        1.6504E-04      4.597E-04       2.5964E-09      2.0666E-09
881  RDRELFRC039      0.019346        3.594E-04       2.763E-05       0.001913        0.001976        1.6567E-04      3.809E-04       2.6232E-09      2.1E-09
882  RDRELFRC040      0.018529        2.902E-04       3.227E-05       0.001606        0.001661        1.5302E-04      3.184E-04       2.4433E-09      1.974E-09
883  RDRELFRC041      0.017726        2.41E-04        2.261E-05       0.001356        0.001404        1.2702E-04      2.635E-04       2.0514E-09      1.681E-09
884  RDRELFRC042      0.016933        2.024E-04       1.695E-05       0.00114 0.001181        9.958E-05       2.135E-04       1.6213E-09      1.3425E-09
885  RDRELFRC043      0.016165        1.769E-04       1.37E-05        9.75E-04        0.001011        8.015E-05       1.743E-04       1.3028E-09      1.0768E-09
886  RDRELFRC044      0.015513        1.561E-04       1.018E-05       8.54E-04        8.86E-04        6.598E-05       1.455E-04       1.0716E-09      8.847E-10
887  RDRELFRC045      0.014973        1.378E-04       7.E-06  7.44E-04        7.77E-04        5.349E-05       1.214E-04       8.73E-10        7.262E-10
888  RDRELFRC046      0.014334        1.216E-04       4.99E-06        6.36E-04        6.7E-04 4.397E-05       1.005E-04       7.198E-10       6.024E-10
889  RDRELFRC047      0.013685        1.086E-04       3.92E-06        5.41E-04        5.8E-04 3.841E-05       8.48E-05        6.267E-10       5.228E-10
890  RDRELFRC048      0.013044        1.026E-04       3.28E-06        4.61E-04        5.05E-04        3.558E-05       7.33E-05        5.762E-10       4.768E-10
891  RDRELFRC049      0.012419        8.51E-05        2.83E-06        3.94E-04        4.44E-04        3.422E-05       6.49E-05        5.485E-10       4.479E-10
892  RDRELFRC050      0.011813        7.56E-05        2.52E-06        3.3E-04 3.85E-04        3.346E-05       5.71E-05        5.314E-10       4.283E-10
893  RDRELFRC051      0.01123 6.74E-05        2.28E-06        2.72E-04        3.33E-04        3.284E-05       5.08E-05        5.187E-10       4.153E-10
894  RDRELFRC052      0.010673        6.04E-05        2.06E-06        2.22E-04        2.87E-04        3.208E-05       4.57E-05        5.067E-10       4.049E-10
895  RDRELFRC053      0.01014 5.44E-05        3.44E-06        1.82E-04        2.49E-04        3.094E-05       4.18E-05        4.893E-10       3.915E-10
896  RDRELFRC054      0.009632        4.92E-05        3.92E-06        1.52E-04        2.16E-04        2.924E-05       3.85E-05        4.635E-10       3.717E-10
897  RDRELFRC055      0.009204        3.48E-05        6.46E-06        1.35E-04        1.9E-04 6.3689E-04      4.1E-05 4.307E-10       3.417E-10
898  RDRELFRC056      0.008685        3.2E-06 8.96E-06        5.E-06  1.1E-05 0.0015829       2.05E-05        2.222E-10       1.729E-10
899  RDRELFRC057      0.008241        9.3E-06 8.83E-06        0.      0.      0.0010103       2.13E-05        3.245E-10       2.523E-10
900  RDRELFRC058      0.007851        2.22E-05        6.35E-06        0.      0.      5.9472E-04      2.31E-05        5.381E-10       4.179E-10
901  RDRELFRC059      0.007497        2.02E-05        3.35E-06        3.E-05  1.7E-05 3.4004E-04      2.31E-05        9.732E-10       7.552E-10
902  RDRELFRC060      0.007164        2.03E-05        3.96E-06        5.9E-05 5.1E-05 2.0986E-04      2.64E-05        1.4935E-09      1.1595E-09
903  RDRELFRC061      0.006846        1.98E-05        4.72E-06        7.6E-05 7.E-05  1.3384E-04      2.87E-05        1.6863E-09      1.31E-09
904  RDRELFRC062      0.006539        1.86E-05        4.74E-06        8.2E-05 7.8E-05 8.713E-05       2.94E-05        1.5883E-09      1.2344E-09
905  RDRELFRC063      0.006241        1.7E-05 4.32E-06        8.1E-05 8.2E-05 5.89E-05        2.87E-05        1.3729E-09      1.0672E-09
906  RDRELFRC064      0.005957        1.52E-05        3.73E-06        7.7E-05 7.9E-05 4.196E-05       2.77E-05        1.1317E-09      8.799E-10
     *
     * ENDAT1, flag indicating whether only atmos is run
907  OCENDAT1001      .FALSE.
     *
     * IDEBUG, specifies set of debug results to report
908  OCIDEBUG001      0
     *
     * NUCOUT, name of the nuclide to be listed on the dispersion listings
909  OCNUCOUT001      Cs-137
     *
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    * METCOD, meteorological sampling option code
910  M1METCOD001      2
    *
    * Form 'Boundary Limit' Comment:
    * From NUREG-1150.
    *
    * LIMSPA, last spatial interval for measured weather
911  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)
912  M2BNDMXH001      1000.
    *
    * IBDSTB, boundary weather stability class index
913  M2IBDSTB001      4
    *
    * BNDRAN, boundary weather rain rate (mm/hr)
914  M2BNDRAN001      5.
    *
    * BNDWND, boundary weather wind speed (m/sec)
915  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
916  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
917  M1LATITU001      39.
    *
    * LATITU_MIN minutes portion of latitude
918  M1LATITU002      45.
    *
    * LATITU_SEC, seconds portion of latitude
919  M1LATITU003      32.
    *
    * LONGIT_DEG, LONGIT_MIN, LONGIT_SEC, indicates longitude of site, used with latitude
920  M1LONGIT001      76.
    *
    * LONGIT_MIN, minutes portion of longitude
921  M1LONGIT002      16.
    *
    * LONGIT_SEC, seconds portion of longitude
922  M1LONGIT003      9.
    *
    * Form 'Rain Distances' Comment:
    * From NUREG-1150.
    *
    * NRNINT, number of rain distance intervals for binning
923  M4NRNINT001      5
    *
    * RNDSTS, endpoints of the rain distance intervals (km)
924  M4RNDSTS001      3.22
925  M4RNDSTS002      5.63
926  M4RNDSTS003      11.27
927  M4RNDSTS004      20.92
928  M4RNDSTS005      32.19
    *
    * Form 'Rain Intensities' Comment:
    * From NUREG-1150.
    *
    * NRINTN, number of rain intensity breakpoints
929  M4NRINTN001      3
    *
    * RNRATE, rain intensity breakpoints for weather binning (mm/hr)
930  M4RNRATE001      2.
931  M4RNRATE002      4.
932  M4RNRATE003      6.
    *
    * IRSEED, initial seed for random number generator
933  M4IRSEED001      79
    *
    * Form 'Bins' Comment:
    * Minimum of 12 or 10% of samples in bin.
    *
    * NSBINS, number of bins to be sampled when NSMPLS = 0
934  M4NSBINS001      36
    *
    * INDXBN, INWGHT, number of weather sequences to be selected from specific weather bins
935  M4SMPLDF001      1      71
936  M4SMPLDF002      2      42
937  M4SMPLDF003      3      12
938  M4SMPLDF004      4      52
939  M4SMPLDF005      5      57
940  M4SMPLDF006      6      74
941  M4SMPLDF007      7      21
942  M4SMPLDF008      8      12
943  M4SMPLDF009      9      49
944  M4SMPLDF010      10     103
945  M4SMPLDF011      11     77
946  M4SMPLDF012      12     35
947  M4SMPLDF013      13     51
948  M4SMPLDF014      14     75
949  M4SMPLDF015      15     14
950  M4SMPLDF016      16     4
951  M4SMPLDF017      17     44
952  M4SMPLDF018      18     12
953  M4SMPLDF019      19     17
954  M4SMPLDF020      20     24
955  M4SMPLDF021      21     24
956  M4SMPLDF022      22     12
957  M4SMPLDF023      23     4
958  M4SMPLDF024      24     8
959  M4SMPLDF025      25     12
960  M4SMPLDF026      26     12
961  M4SMPLDF027      27     12
962  M4SMPLDF028      28     1
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 963  M4SMPLDF029      29      3
 964  M4SMPLDF030      30      5
 965  M4SMPLDF031      31      4
 966  M4SMPLDF032      32      12
 967  M4SMPLDF033      33      1
 968  M4SMPLDF034      34      7
 969  M4SMPLDF035      35      9
 970  M4SMPLDF036      36      12
     *
     * ATMOS_ZERO = 0
 971  TYPE0NUMBER      0
     *
     * NUM0, number of results
 972  TYPE0NUMBER      14
********   RECORD NUMBER   972 REPLACES RECORD NUMBER   971   *********
     *
     * INDREL, INDRAD, CCDF, ATMOS release and spatial interval
 973  TYPE0OUT001      1       1       NONE
 974  TYPE0OUT002      1       2       NONE
 975  TYPE0OUT003      1       3       NONE
 976  TYPE0OUT004      1       4       NONE
 977  TYPE0OUT005      1       5       NONE
 978  TYPE0OUT006      1       6       NONE
 979  TYPE0OUT007      1       7       NONE
 980  TYPE0OUT008      1       8       NONE
 981  TYPE0OUT009      1       9       NONE
 982  TYPE0OUT010      1       10      NONE
 983  TYPE0OUT011      1       11      NONE
 984  TYPE0OUT012      1       12      NONE
 985  TYPE0OUT013      1       19      NONE
 986  TYPE0OUT014      1       21      NONE
     *
     * NUM_DIST2, used for Dispersion Power Law (always 0)
 987  NUM_DIST001      0
     *
     * NSMPLS2, used for non-uniform Bin Sampling (always 0)
 988  M4NSMPLS001      0
     .
******** TERMINATOR RECORD ENCOUNTERED -- END OF BASE CASE USER INPUT ********


USER INPUT PROCESSING SUMMARY - BASE CASE

NUMBER OF RECORDS READ                        = 1229
NUMBER OF BLANK OR COMMENT RECORDS READ        =  240
NUMBER OF TERMINATOR RECORDS                   =    1
NUMBER OF RECORDS PROCESSED                    =  988
    NUMBER OF PROCESSED RECORDS DUPLICATED     =    2
    NUMBER OF PROCESSED RECORDS SORTED         =  986
*****************************************************************************************************



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
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
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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	24	25
Kr-85	2.95E+13	3.74E+13	5.82E+13	8.32E+13	1.04E+14	1.08E+14	1.08E+14	9.67E+13	9.68E+13	1.08E+14	1.18E+14	1.26E+14	1.32E+14	1.35E+14	1.36E+14	1.37E+14	1.37E+14	1.36E+14	1.26E+14	1.47E+14	1.11E+14	6.56E+13	1.67E+14	1.77E+14	2.12E+14
Kr-85m	4.08E+07	4.26E+07	5.68E+07	6.95E+07	7.45E+07	6.63E+07	5.65E+07	4.35E+07	3.73E+07	3.55E+07	3.33E+07	3.04E+07	2.73E+07	2.39E+07	2.08E+07	1.79E+07	1.53E+07	1.30E+07	1.04E+07	1.03E+07	6.68E+06	3.39E+06	7.36E+06	6.71E+06	6.87E+06
Kr-87	7.23E-09	4.63E-09	4.17E-09	3.46E-09	2.51E-09	1.51E-09	8.71E-10	4.54E-10	2.64E-10	1.70E-10	1.08E-10	6.66E-11	4.05E-11	2.40E-11	1.41E-11	8.21E-12	4.76E-12	2.74E-12	1.48E-12	9.93E-13	4.36E-13	1.50E-13	2.20E-13	1.36E-13	9.40E-14
Kr-88	2.21E+04	2.06E+04	2.51E+04	2.82E+04	2.76E+04	2.25E+04	1.75E+04	1.23E+04	9.67E+03	8.42E+03	7.21E+03	6.03E+03	4.95E+03	3.97E+03	3.15E+03	2.48E+03	1.94E+03	1.51E+03	1.10E+03	9.99E+02	5.92E+02	2.75E+02	5.46E+02	4.55E+02	4.26E+02
Xe-133	6.62E+14	7.70E+14	1.18E+15	1.68E+15	2.09E+15	2.16E+15	2.14E+15	1.91E+15	1.90E+15	2.10E+15	2.29E+15	2.43E+15	2.53E+15	2.57E+15	2.59E+15	2.59E+15	2.57E+15	2.54E+15	2.35E+15	2.71E+15	2.04E+15	1.20E+15	3.03E+15	3.20E+15	3.81E+15
Xe-135	2.45E+12	1.97E+12	2.76E+12	3.66E+12	4.23E+12	4.07E+12	3.75E+12	3.12E+12	2.88E+12	2.97E+12	3.02E+12	2.98E+12	2.90E+12	2.74E+12	2.57E+12	2.39E+12	2.22E+12	2.04E+12	1.75E+12	1.88E+12	1.32E+12	7.24E+11	1.70E+12	1.68E+12	1.86E+12
Xe-135m	1.83E+11	1.46E+10	3.86E+09	5.55E+09	5.15E+09	4.09E+09	2.81E+09	1.74E+09	2.31E+08	6.47E+08	1.28E+09	1.17E+09	1.03E+09	9.14E+08	7.36E+08	5.98E+08	4.96E+08	3.43E+08	3.12E-21	2.39E-22	1.22E+08	4.64E-25	7.77E-26	5.44E-27	4.28E-28
Cs-134	1.95E+15	1.85E+14	7.34E+13	1.19E+14	1.23E+14	1.08E+14	8.24E+13	5.67E+13	1.09E+15	9.27E+13	5.63E+13	6.06E+13	6.01E+13	6.07E+13	5.45E+13	4.78E+13	4.21E+13	2.14E+15	1.99E+12	4.41E+13	1.71E+15	3.28E+15	5.84E+12	7.38E+13	1.52E+14
Cs-136	3.33E+14	3.15E+13	1.25E+13	2.02E+13	2.07E+13	1.82E+13	1.39E+13	9.52E+12	1.83E+14	1.55E+13	9.40E+12	1.01E+13	9.98E+12	1.01E+13	9.02E+12	7.89E+12	6.93E+12	3.51E+14	3.26E+11	7.22E+12	2.80E+14	5.34E+14	9.49E+11	1.20E+13	2.46E+13
Cs-137	4.81E+15	4.56E+14	1.81E+14	2.93E+14	3.02E+14	2.65E+14	2.03E+14	1.40E+14	2.68E+15	2.28E+14	1.39E+14	1.49E+14	1.48E+14	1.49E+14	1.34E+14	1.18E+14	1.04E+14	5.26E+15	4.90E+12	1.09E+14	4.22E+15	8.07E+15	1.44E+13	1.82E+14	3.74E+14
Rb-86	1.11E+13	1.05E+12	4.15E+11	6.73E+11	6.91E+11	6.05E+11	4.62E+11	3.18E+11	6.10E+12	5.18E+11	3.14E+11	3.38E+11	3.34E+11	3.37E+11	3.02E+11	2.65E+11	2.33E+11	1.18E+13	1.10E+10	2.43E+11	9.42E+12	1.80E+13	3.20E+10	4.04E+11	8.31E+11
Rb-88	2.47E+04	2.31E+04	2.81E+04	3.14E+04	3.08E+04	2.51E+04	1.95E+04	1.38E+04	1.08E+04	9.40E+03	8.05E+03	6.73E+03	5.53E+03	4.43E+03	3.51E+03	2.77E+03	2.17E+03	1.68E+03	1.23E+03	1.12E+03	6.61E+02	3.07E+02	6.10E+02	5.08E+02	4.76E+02
Ba-139	8.38E-06	3.65E-07	1.19E-08	5.82E-09	2.06E-09	1.00E-09	4.61E-10	1.86E-10	5.78E-08	4.60E-11	9.48E-13	1.05E-11	6.24E-12	5.94E-12	3.09E-12	1.43E-12	5.57E-13	1.29E-09	3.94E-12	1.88E-12	1.34E-10	2.25E-10	2.26E-12	8.02E-13	1.81E-13
Ba-140	1.03E+15	8.37E+13	4.49E+12	3.64E+12	2.12E+12	1.71E+12	1.29E+12	8.60E+11	4.41E+14	5.79E+11	1.97E+10	3.60E+11	3.53E+11	5.55E+11	4.75E+11	3.64E+11	2.33E+11	8.92E+14	4.50E+12	3.53E+12	4.15E+14	1.15E+15	1.90E+13	1.12E+13	4.16E+12
Sr-89	5.53E+14	4.52E+13	2.43E+12	1.97E+12	1.15E+12	9.28E+11	7.04E+11	4.69E+11	2.41E+14	3.17E+11	1.08E+10	1.98E+11	1.94E+11	3.06E+11	2.62E+11	2.01E+11	1.29E+11	4.95E+14	2.50E+12	1.96E+12	2.32E+14	6.44E+14	1.07E+13	6.26E+12	2.33E+12
Sr-90	1.82E+15	1.49E+14	8.00E+12	6.49E+12	3.80E+12	3.06E+12	2.32E+12	1.55E+12	7.96E+14	1.05E+12	3.57E+10	6.54E+11	6.43E+11	1.01E+12	8.69E+11	6.66E+11	4.28E+11	1.64E+15	8.29E+12	6.52E+12	7.70E+14	2.14E+15	3.54E+13	2.08E+13	7.77E+12
Sr-91	7.76E+11	5.79E+10	2.90E+09	2.19E+09	1.19E+09	8.91E+08	6.28E+08	3.89E+08	1.86E+11	2.28E+08	7.22E+06	1.23E+08	1.12E+08	1.64E+08	1.31E+08	9.36E+07	5.59E+07	1.99E+11	9.36E+08	6.84E+08	7.50E+10	1.94E+11	2.99E+09	1.63E+09	5.66E+08
Sr-92	2.57E+04	1.53E+03	6.37E+01	4.00E+01	1.81E+01	1.13E+01	6.64E+00	3.43E+00	1.37E+03	1.39E+00	3.67E-02	5.22E-01	3.97E-01	4.83E-01	3.21E-01	1.91E-01	9.50E-02	2.82E+02	1.10E+00	6.72E-01	6.14E+01	1.32E+02	1.69E+00	7.71E-01	2.23E-01
Ba-137m	4.55E+15	4.31E+14	1.71E+14	2.78E+14	2.86E+14	2.51E+14	1.92E+14	1.32E+14	2.54E+15	2.16E+14	1.31E+14	1.41E+14	1.40E+14	1.41E+14	1.27E+14	1.11E+14	9.80E+13	4.98E+15	4.63E+12	1.03E+14	3.99E+15	7.63E+15	1.36E+13	1.72E+14	3.54E+14
I-131	9.51E+15	8.60E+14	2.52E+14	4.01E+14	4.12E+14	3.62E+14	2.76E+14	1.89E+14	2.77E+13	8.59E+13	1.88E+14	1.90E+14	1.85E+14	1.82E+14	1.62E+14	1.46E+14	1.34E+14	1.02E+14	0.00E+00	0.00E+00	4.95E+13	1.53E+08	0.00E+00	0.00E+00	0.00E+00
I-132	8.14E+15	7.28E+14	2.13E+14	3.37E+14	3.45E+14	3.01E+14	2.28E+14	1.56E+14	2.27E+13	7.04E+13	1.53E+14	1.54E+14	1.51E+14	1.47E+14	1.31E+14	1.17E+14	1.07E+14	8.14E+13	0.00E+00	0.00E+00	4.63E+13	3.97E+10	0.00E+00	0.00E+00	0.00E+00
I-133	1.13E+15	9.86E+13	2.81E+13	4.33E+13	4.32E+13	3.68E+13	2.72E+13	1.81E+13	2.58E+12	7.76E+12	1.65E+13	1.61E+13	1.53E+13	1.46E+13	1.26E+13	1.10E+13	9.81E+12	7.28E+12	0.00E+00	0.00E+00	3.22E+12	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-134	3.62E-16	1.22E-17	1.63E-18	1.18E-18	5.51E-19	2.20E-19	7.63E-20	2.38E-20	1.59E-21	2.24E-21	2.23E-21	1.03E-21	4.56E-22	2.04E-22	8.27E-23	3.38E-23	1.41E-23	4.92E-24	0.00E+00	0.00E+00	2.24E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-135	1.14E+12	9.10E+10	2.41E+10	3.47E+10	3.22E+10	2.55E+10	1.76E+10	1.09E+10	1.44E+09	4.04E+09	7.99E+09	7.28E+09	6.42E+09	5.71E+09	4.59E+09	3.73E+09	3.10E+09	2.14E+09	0.00E+00	0.00E+00	7.63E+08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Te-127	5.47E+14	4.67E+13	1.32E+13	2.03E+13	2.01E+13	1.70E+13	1.25E+13	8.31E+12	1.18E+12	3.57E+12	7.58E+12	7.47E+12	7.13E+12	6.85E+12	5.98E+12	5.26E+12	4.73E+12	3.54E+12	0.00E+00	0.00E+00	1.94E+12	1.65E+09	0.00E+00	0.00E+00	0.00E+00
Te-127m	2.16E+14	1.95E+13	5.75E+12	9.21E+12	9.51E+12	8.37E+12	6.40E+12	4.40E+12	6.48E+11	2.02E+12	4.44E+12	4.51E+12	4.44E+12	4.39E+12	3.93E+12	3.55E+12	3.27E+12	2.51E+12	0.00E+00	0.00E+00	1.46E+12	1.26E+09	0.00E+00	0.00E+00	0.00E+00
Te-129	4.28E+14	3.87E+13	1.14E+13	1.82E+13	1.88E+13	1.65E+13	1.26E+13	8.69E+12	1.28E+12	3.99E+12	8.75E+12	8.89E+12	8.74E+12	8.63E+12	7.73E+12	6.98E+12	6.42E+12	4.92E+12	0.00E+00	0.00E+00	2.87E+12	2.48E+09	0.00E+00	0.00E+00	0.00E+00
Te-129m	6.58E+14	5.94E+13	1.75E+13	2.80E+13	2.89E+13	2.54E+13	1.94E+13	1.34E+13	1.96E+12	6.13E+12	1.34E+13	1.37E+13	1.34E+13	1.33E+13	1.19E+13	1.07E+13	9.87E+12	7.56E+12	0.00E+00	0.00E+00	4.40E+12	3.80E+09	0.00E+00	0.00E+00	0.00E+00
Te-131m	2.95E+14	2.59E+13	7.46E+12	1.17E+13	1.18E+13	1.01E+13	7.57E+12	5.09E+12	7.33E+11	2.24E+12	4.80E+12	4.77E+12	4.58E+12	4.43E+12	3.88E+12	3.42E+12	3.08E+12	2.31E+12	0.00E+00	0.00E+00	1.26E+12	1.06E+09	0.00E+00	0.00E+00	0.00E+00
Te-132	7.90E+15	7.06E+14	2.06E+14	3.27E+14	3.35E+14	2.92E+14	2.22E+14	1.51E+14	2.21E+13	6.83E+13	1.49E+14	1.50E+14	1.46E+14	1.43E+14	1.27E+14	1.14E+14	1.04E+14	7.90E+13	0.00E+00	0.00E+00	4.49E+13	3.85E+10	0.00E+00	0.00E+00	0.00E+00

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Te-131  6.64E+13  5.83E+12  1.68E+12  2.63E+12  2.65E+12  2.28E+12  1.71E+12  1.15E+12  1.65E+11  5.03E+11  1.08E+12  1.07E+12  1.03E+12  9.96E+11  8.73E+11  7.71E+11  6.93E+11  5.19E+11  0.00E+00  0.00E+00  2.83E+11  2.39E+08  0.00E+00  0.00E+00  0.00E+00
Rh-105  7.06E+09  9.86E+10  2.54E+11  4.51E+11  4.91E+11  4.31E+11  3.23E+11  2.18E+11  1.77E+11  1.67E+11  1.90E+11  1.96E+11  1.90E+11  1.80E+11  1.59E+11  1.43E+11  1.30E+11  1.24E+11  1.23E+11  1.22E+11  1.05E+11  8.81E+10  8.50E+10  1.22E+11  2.46E+11
Ru-103  5.30E+10  7.58E+11  1.99E+12  3.60E+12  3.99E+12  3.57E+12  2.73E+12  1.88E+12  1.55E+12  1.50E+12  1.73E+12  1.82E+12  1.80E+12  1.74E+12  1.57E+12  1.43E+12  1.33E+12  1.29E+12  1.31E+12  1.31E+12  1.15E+12  9.88E+11  9.71E+11  1.42E+12  2.92E+12
Ru-105  1.66E+04  1.95E+05  4.39E+05  6.80E+05  6.46E+05  4.94E+05  3.23E+05  1.90E+05  1.35E+05  1.11E+05  1.10E+05  9.90E+04  8.39E+04  6.95E+04  5.35E+04  4.19E+04  3.33E+04  2.76E+04  2.40E+04  2.06E+04  1.55E+04  1.14E+04  9.57E+03  1.19E+04  2.11E+04
Ru-106  2.63E+10  3.77E+11  9.89E+11  1.79E+12  1.99E+12  1.78E+12  1.36E+12  9.36E+11  7.76E+11  7.47E+11  8.65E+11  9.09E+11  9.00E+11  8.71E+11  7.85E+11  7.18E+11  6.68E+11  6.47E+11  6.57E+11  6.60E+11  5.81E+11  4.98E+11  4.89E+11  7.13E+11  1.47E+12
Rh-103m  5.29E+10  7.57E+11  1.99E+12  3.59E+12  3.99E+12  3.56E+12  2.72E+12  1.87E+12  1.55E+12  1.49E+12  1.73E+12  1.81E+12  1.79E+12  1.74E+12  1.56E+12  1.43E+12  1.33E+12  1.29E+12  1.30E+12  1.31E+12  1.15E+12  9.86E+11  9.69E+11  1.41E+12  2.91E+12
Rh-106  2.63E+10  3.77E+11  9.89E+11  1.79E+12  1.99E+12  1.78E+12  1.36E+12  9.36E+11  7.76E+11  7.47E+11  8.65E+11  9.09E+11  9.00E+11  8.71E+11  7.85E+11  7.18E+11  6.68E+11  6.47E+11  6.57E+11  6.60E+11  5.81E+11  4.98E+11  4.89E+11  7.13E+11  1.47E+12
Nb-95  4.99E+12  6.83E+13  1.75E+14  3.02E+14  3.18E+14  2.79E+14  2.14E+14  1.47E+14  1.22E+14  1.19E+14  1.39E+14  1.47E+14  1.45E+14  1.40E+14  1.26E+14  1.15E+14  1.06E+14  1.02E+14  1.03E+14  1.02E+14  8.97E+13  7.62E+13  7.43E+13  1.09E+14  2.23E+14
Co-58  7.49E+08  1.03E+10  2.62E+10  4.54E+10  4.78E+10  4.20E+10  3.22E+10  2.22E+10  1.84E+10  1.79E+10  2.10E+10  2.21E+10  2.19E+10  2.11E+10  1.90E+10  1.73E+10  1.61E+10  1.54E+10  1.55E+10  1.55E+10  1.36E+10  1.15E+10  1.13E+10  1.65E+10  3.38E+10
Co-60  4.43E+09  6.07E+10  1.55E+11  2.69E+11  2.83E+11  2.49E+11  1.91E+11  1.31E+11  1.09E+11  1.06E+11  1.25E+11  1.31E+11  1.30E+11  1.25E+11  1.13E+11  1.03E+11  9.56E+10  9.20E+10  9.23E+10  9.21E+10  8.09E+10  6.88E+10  6.72E+10  9.87E+10  2.02E+11
Mo-99  2.18E+12  2.94E+13  7.45E+13  1.27E+14  1.33E+14  1.16E+14  8.77E+13  5.98E+13  4.92E+13  4.74E+13  5.50E+13  5.73E+13  5.62E+13  5.36E+13  4.77E+13  4.31E+13  3.96E+13  3.77E+13  3.75E+13  3.70E+13  3.21E+13  2.70E+13  2.61E+13  3.80E+13  7.69E+13
Tc-99m  2.10E+12  2.84E+13  7.19E+13  1.23E+14  1.28E+14  1.12E+14  8.46E+13  5.77E+13  4.74E+13  4.57E+13  5.30E+13  5.53E+13  5.42E+13  5.17E+13  4.60E+13  4.16E+13  3.82E+13  3.63E+13  3.61E+13  3.56E+13  3.10E+13  2.61E+13  2.52E+13  3.66E+13  7.41E+13
Nb-97  1.34E+09  8.86E+09  1.27E+10  1.24E+10  7.33E+09  3.62E+09  1.56E+09  6.03E+08  2.82E+08  1.54E+08  1.02E+08  6.04E+07  3.37E+07  1.84E+07  9.44E+06  4.95E+06  2.68E+06  1.54E+06  9.63E+05  6.28E+05  3.84E+05  2.45E+05  1.96E+05  2.45E+05  4.41E+05
Nb-97m  1.80E+06  2.22E+05  5.59E+05  9.71E+05  1.03E+06  8.87E+05  6.52E+05  4.30E+05  3.45E+05  3.20E+05  3.53E+05  3.56E+05  3.38E+05  3.14E+05  2.71E+05  2.38E+05  2.12E+05  1.98E+05  1.93E+05  1.86E+05  1.57E+05  1.30E+05  1.25E+05  1.76E+05  3.43E+05
Ce-141  8.32E+07  1.08E+07  2.83E+07  5.12E+07  5.68E+07  5.07E+07  3.88E+07  2.66E+07  2.22E+07  2.15E+07  2.46E+07  2.59E+07  2.56E+07  2.47E+07  2.22E+07  2.03E+07  1.89E+07  1.83E+07  1.86E+07  1.87E+07  1.64E+07  1.41E+07  1.42E+07  2.07E+07  4.21E+07
Ce-143  1.12E+07  1.42E+06  3.64E+06  6.44E+06  7.00E+06  6.13E+06  4.59E+06  3.09E+06  2.53E+06  2.40E+06  2.69E+06  2.77E+06  2.68E+06  2.54E+06  2.24E+06  2.01E+06  1.83E+06  1.74E+06  1.73E+06  1.70E+06  1.46E+06  1.23E+06  1.22E+06  1.74E+06  3.47E+06
Ce-144  7.50E+07  9.78E+06  2.56E+07  4.63E+07  5.14E+07  4.60E+07  3.52E+07  2.42E+07  2.02E+07  1.96E+07  2.24E+07  2.36E+07  2.33E+07  2.25E+07  2.03E+07  1.86E+07  1.72E+07  1.67E+07  1.71E+07  1.71E+07  1.50E+07  1.29E+07  1.30E+07  1.90E+07  3.87E+07
Np-239  3.84E+08  4.93E+07  1.28E+08  2.28E+08  2.50E+08  2.21E+08  1.67E+08  1.13E+08  9.34E+07  8.94E+07  1.01E+08  1.05E+08  1.03E+08  9.82E+07  8.73E+07  7.89E+07  7.24E+07  6.94E+07  6.99E+07  6.93E+07  6.01E+07  5.10E+07  5.07E+07  7.35E+07  1.47E+08
Pu-238  1.16E+06  1.52E+05  3.97E+05  7.19E+05  7.97E+05  7.13E+05  5.46E+05  3.75E+05  3.13E+05  3.04E+05  3.48E+05  3.66E+05  3.62E+05  3.50E+05  3.15E+05  2.88E+05  2.68E+05  2.60E+05  2.65E+05  2.66E+05  2.33E+05  2.01E+05  2.02E+05  2.96E+05  6.01E+05
Pu-239  9.16E+04  1.19E+04  3.13E+04  5.66E+04  6.27E+04  5.61E+04  4.29E+04  2.95E+04  2.47E+04  2.39E+04  2.74E+04  2.88E+04  2.85E+04  2.75E+04  2.48E+04  2.27E+04  2.11E+04  2.05E+04  2.09E+04  2.09E+04  1.84E+04  1.58E+04  1.59E+04  2.33E+04  4.73E+04
Pu-240  1.88E+05  2.45E+04  6.41E+04  1.16E+05  1.29E+05  1.15E+05  8.80E+04  6.05E+04  5.05E+04  4.90E+04  5.62E+04  5.90E+04  5.83E+04  5.65E+04  5.09E+04  4.65E+04  4.32E+04  4.19E+04  4.28E+04  4.29E+04  3.77E+04  3.24E+04  3.26E+04  4.78E+04  9.70E+04
Pu-241  2.69E+07  3.51E+06  9.19E+06  1.66E+07  1.84E+07  1.65E+07  1.26E+07  8.67E+06  7.24E+06  7.02E+06  8.04E+06  8.45E+06  8.36E+06  8.09E+06  7.29E+06  6.66E+06  6.19E+06  6.00E+06  6.12E+06  6.14E+06  5.39E+06  4.64E+06  4.67E+06  6.84E+06  1.39E+07
Zr-95  8.40E+07  1.09E+07  2.87E+07  5.18E+07  5.74E+07  5.14E+07  3.93E+07  2.70E+07  2.25E+07  2.18E+07  2.50E+07  2.63E+07  2.60E+07  2.51E+07  2.26E+07  2.07E+07  1.92E+07  1.86E+07  1.90E+07  1.90E+07  1.67E+07  1.43E+07  1.44E+07  2.12E+07  4.29E+07
Zr-97  1.89E+06  2.35E+05  5.90E+05  1.02E+06  1.09E+06  9.36E+05  6.87E+05  4.54E+05  3.64E+05  3.38E+05  3.72E+05  3.75E+05  3.56E+05  3.31E+05  2.86E+05  2.51E+05  2.24E+05  2.08E+05  2.04E+05  1.96E+05  1.66E+05  1.37E+05  1.32E+05  1.86E+05  3.62E+05
Am-241  4.60E+05  6.00E+04  1.57E+05  2.84E+05  3.15E+05  2.82E+05  2.16E+05  1.48E+05  1.25E+05  1.23E+05  1.39E+05  1.45E+05  1.43E+05  1.39E+05  1.25E+05  1.14E+05  1.06E+05  1.03E+05  1.06E+05  1.06E+05  9.28E+04  8.07E+04  8.41E+04  1.23E+05  2.44E+05
Cm-242  5.91E+06  7.70E+05  2.02E+06  3.64E+06  4.04E+06  3.61E+06  2.77E+06  1.90E+06  1.61E+06  1.57E+06  1.77E+06  1.86E+06  1.84E+06  1.78E+06  1.60E+06  1.46E+06  1.36E+06  1.32E+06  1.35E+06  1.35E+06  1.19E+06  1.03E+06  1.07E+06  1.58E+06  3.12E+06
Cm-244  1.15E+06  1.50E+05  3.93E+05  7.11E+05  7.89E+05  7.06E+05  5.40E+05  3.71E+05  3.14E+05  3.07E+05  3.47E+05  3.64E+05  3.59E+05  3.47E+05  3.13E+05  2.86E+05  2.66E+05  2.58E+05  2.65E+05  2.65E+05  2.32E+05  2.02E+05  2.10E+05  3.09E+05  6.12E+05
La-140  1.37E+14  1.28E+13  7.52E+11  6.61E+11  4.17E+11  3.59E+11  2.90E+11  2.05E+11  1.11E+14  1.54E+11  5.50E+09  1.05E+11  1.07E+11  1.76E+11  1.56E+11  1.24E+11  8.24E+10  3.26E+14  1.69E+12  1.37E+12  1.66E+14  4.74E+14  8.03E+12  4.83E+12  1.84E+12
La-141  5.08E+00  5.31E-01  1.17E+00  1.77E+00  1.64E+00  1.23E+00  7.91E-01  4.56E-01  3.23E-01  2.65E-01  2.51E-01  2.21E-01  1.82E-01  1.48E-01  1.12E-01  8.55E-02  6.67E-02  5.42E-02  4.67E-02  3.92E-02  2.88E-02  2.10E-02  1.83E-02  2.26E-02  3.75E-02
La-142  1.68E-11  1.24E-12  2.08E-12  2.40E-12  1.70E-12  9.68E-13  4.73E-13  2.07E-13  1.12E-13  6.98E-14  5.02E-14  3.36E-14  2.12E-14  1.31E-14  7.50E-15  4.37E-15  2.59E-15  1.61E-15  1.05E-15  6.72E-16  3.76E-16  2.08E-16  1.38E-16  1.30E-16  1.64E-16
Nd-147  2.76E+07  3.58E+06  9.35E+06  1.69E+07  1.87E+07  1.67E+07  1.27E+07  8.72E+06  7.35E+06  7.17E+06  8.08E+06  8.45E+06  8.32E+06  8.02E+06  7.21E+06  6.57E+06  6.09E+06  5.89E+06  6.04E+06  6.03E+06  5.27E+06  4.57E+06  4.75E+06  6.96E+06  1.37E+07
Pr-143  6.96E+07  9.05E+06  2.37E+07  4.27E+07  4.73E+07  4.22E+07  3.22E+07  2.21E+07  1.87E+07  1.82E+07  2.06E+07  2.15E+07  2.12E+07  2.05E+07  1.84E+07  1.68E+07  1.56E+07  1.51E+07  1.55E+07  1.54E+07  1.35E+07  1.17E+07  1.22E+07  1.79E+07  3.53E+07
Y-90  1.55E+14  1.45E+13  8.60E+11  7.59E+11  4.81E+11  4.16E+11  3.37E+11  2.39E+11  1.30E+14  1.81E+11  6.49E+09  1.25E+11  1.28E+11  2.10E+11  1.88E+11  1.50E+11  9.98E+10  3.96E+14  2.07E+12  1.68E+12  2.04E+14  5.86E+14  9.97E+12  6.02E+12  2.31E+12
Y-91  4.09E+09  3.76E+08  4.04E+07  5.29E+07  4.96E+07  4.38E+07  3.37E+07  2.32E+07  2.87E+09  1.87E+07  1.68E+07  2.00E+07  1.98E+07  2.08E+07  1.86E+07  1.65E+07  1.46E+07  7.19E+09  4.95E+07  4.20E+07  3.51E+09  9.83E+09  1.74E+08  1.12E+08  6.58E+07
Y-92  5.38E+04  3.83E+03  1.83E+02  1.30E+02  6.68E+01  4.65E+01  3.04E+01  1.73E+01  7.54E+03  8.54E+00  3.38E-01  3.86E+00  3.20E+00  4.20E+00  3.03E+00  1.96E+00  1.06E+00  3.33E+03  1.41E+01  9.23E+00  9.07E+02  2.10E+03  2.89E+01  1.41E+01  4.39E+00
Y-93  1.10E+05  1.32E+04  3.22E+04  5.43E+04  5.63E+04  4.70E+04  3.36E+04  2.16E+04  1.70E+04  1.55E+04  1.64E+04  1.61E+04  1.48E+04  1.34E+04  1.12E+04  9.58E+03  8.31E+03  7.53E+03  7.23E+03  6.75E+03  5.53E+03  4.49E+03  4.36E+03  5.99E+03  1.11E+04
Y-91m  4.90E+11  3.66E+10  1.83E+09  1.38E+09  7.53E+08  5.64E+08  3.98E+08  2.47E+08  1.18E+11  1.44E+08  4.57E+06  7.79E+07  7.11E+07  1.04E+08  8.31E+07  5.92E+07  3.54E+07  1.26E+11  5.92E+08  4.33E+08  4.75E+10  1.23E+11  1.89E+09  1.03E+09  3.58E+08
Pr-144  7.50E+07  9.78E+06  2.56E+07  4.63E+07  5.14E+07  4.60E+07  3.52E+07  2.42E+07  2.02E+07  1.96E+07  2.24E+07  2.36E+07  2.33E+07  2.25E+07  2.03E+07  1.86E+07  1.72E+07  1.67E+07  1.71E+07  1.71E+07  1.50E+07  1.29E+07  1.30E+07  1.90E+07  3.87E+07
Pr-144m  1.34E+06  1.74E+05  4.56E+05  8.25E+05  9.15E+05  8.18E+05  6.26E+05  4.30E+05  3.59E+05  3.48E+05  3.99E+05  4.19E+05  4.14E+05  4.01E+05  3.61E+05  3.30E+05  3.07E+05  2.98E+05  3.04E+05  3.05E+05  2.67E+05  2.30E+05  2.31E+05  3.39E+05  6.88E+05

 Rel #    26    27    28    29    30    31    32    33    34    35    36    37    38    39    40    41    42    43    44    45    46    47    48    49    50
Kr-85  2.61E+14  3.35E+14  4.27E+14  5.16E+14  5.99E+14  6.60E+14  7.00E+14  7.09E+14  7.03E+14  6.86E+14  6.64E+14  6.39E+14  6.17E+14  5.94E+14  5.69E+14  5.44E+14  5.20E+14  4.96E+14  4.76E+14  4.59E+14  4.40E+14  4.20E+14  4.00E+14  3.81E+14  3.63E+14
Kr-85m  7.26E+06  7.97E+06  8.70E+06  9.01E+06  8.96E+06  8.46E+06  7.69E+06  6.67E+06  5.66E+06  4.74E+06  3.93E+06  3.24E+06  2.68E+06  2.21E+06  1.81E+06  1.48E+06  1.21E+06  9.93E+05  8.17E+05  6.75E+05  5.54E+05  4.53E+05  3.70E+05  3.02E+05  2.46E+05
Kr-87  6.73E-14  5.00E-14  3.69E-14  2.59E-14  1.74E-14  1.11E-14  6.85E-15  4.02E-15  2.31E-15  1.31E-15  7.35E-16  4.10E-16  2.29E-16  1.28E-16  7.11E-17  3.94E-17  2.18E-17  1.21E-17  6.72E-18  3.76E-18  2.09E-18  1.16E-18  6.39E-19  3.53E-19  1.95E-19
Kr-88  4.12E+02  4.13E+02  4.13E+02  3.91E+02  3.56E+02  3.07E+02  2.55E+02  2.03E+02  1.57E+02  1.20E+02  9.12E+01  6.87E+01  5.20E+01  3.92E+01  2.94E+01  2.20E+01  1.65E+01  1.23E+01  9.28E+00  7.01E+00  5.26E+00  3.94E+00  2.94E+00  2.19E+00  1.63E+00
Xe-133  4.68E+15  5.97E+15  7.57E+15  9.10E+15  1.05E+16  1.15E+16  1.21E+16  1.22E+16  1.20E+16  1.17E+16  1.13E+16  1.08E+16  1.03E+16  9.89E+15  9.42E+15  8.96E+15  8.51E+15  8.08E+15  7.71E+15  7.40E+15  7.05E+15  6.69E+15  6.34E+15  6.01E+15  5.68E+15
Xe-135  2.15E+12  2.56E+12  3.03E+12  3.39E+12  3.65E+12  3.72E+12  3.65E+12  3.42E+12  3.13E+12  2.83E+12  2.54E+12  2.26E+12  2.02E+12  1.80E+12  1.60E+12  1.41E+12  1.25E+12  1.11E+12  9.84E+11  8.80E+11  7.80E+11  6.90E+11  6.09E+11  5.37E+11  4.74E+11
Xe-135m  9.43E+08  1.39E+09  1.72E+09  1.82E+09  1.76E+09  1.58E+09  1.33E+09  1.04E+09  8.11E+08  6.29E+08  4.69E+08  3.44E+08  2.53E+08  1.87E+08  1.41E+08  1.08E+08  8.14E+07  6.27E+07  4.95E+07  3.88E+07  2.99E+07  2.29E+07  1.76E+07  1.35E+07  1.02E+07
Cs-134  3.33E+14  5.58E+14  8.17E+14  1.00E+15  1.06E+15  1.03E+15  9.23E+14  7.99E+14  7.14E+14  5.61E+14  4.45E+14  3.52E+14  2.80E+14  2.23E+14  1.80E+14  1.50E+14  1.26E+14  1.10E+14  9.69E+13  8.55E+13  7.55E+13  6.74E+13  6.37E+13  5.28E+13  4.69E+13
Cs-136  5.38E+13  8.99E+13  1.31E+14  1.61E+14  1.69E+14  1.64E+14  1.47E+14  1.27E+14  1.13E+14  8.88E+13  7.03E+13  5.54E+13  4.40E+13  3.50E+13  2.82E+13  2.34E+13  1.96E+13  1.71E+13  1.50E+13  1.33E+13  1.17E+13  1.04E+13  9.80E+12  8.11E+12  7.19E+12
Cs-137  8.20E+14  1.37E+15  2.01E+15  2.47E+15  2.60E+15  2.53E+15  2.27E+15  1.97E+15  1.76E+15  1.38E+15  1.10E+15  8.66E+14  6.89E+14  5.50E+14  4.44E+14  3.69E+14  3.10E+14  2.71E+14  2.39E+14  2.11E+14  1.86E+14  1.66E+14  1.57E+14  1.30E+14  1.16E+14
Rb-86  1.82E+12  3.04E+12  4.44E+12  5.46E+12  5.73E+12  5.56E+12  4.99E+12  4.31E+12  3.85E+12  3.02E+12  2.39E+12  1.89E+12  1.50E+12  1.19E+12  9.63E+11  7.98E+11  6.69E+11  5.84E+11  5.15E+11  4.54E+11  4.00E+11  3.56E+11  3.36E+11  2.78E+11  2.47E+11
Rb-88  4.60E+02  4.62E+02  4.61E+02  4.37E+02  3.97E+02  3.43E+02  2.85E+02  2.26E+02  1.75E+02  1.34E+02  1.02E+02  7.67E+01  5.80E+01  4.38E+01  3.28E+01  2.46E+01  1.84E+01  1.38E+01  1.04E+01  7.83E+00  5.87E+00  4.39E+00  3.28E+00  2.45E+00  1.82E+00
Ba-139  4.02E-15  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  6.70E-16  4.73E-16  2.01E-16  9.09E-17  4.44E-17  2.00E-17  8.31E-18  3.58E-18  1.70E-18  8.61E-19  4.49E-19  2.42E-19
Ba-140  1.52E+11  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  1.70E+13  1.98E+13  1.39E+13  1.04E+13  8.37E+12  6.20E+12  4.26E+12  3.03E+12  2.37E+12  1.98E+12  1.71E+12  1.52E+12
Sr-89  8.57E+10  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  9.79E+12  1.14E+13  8.00E+12  6.00E+12  4.84E+12  3.60E+12  2.47E+12  1.76E+12  1.38E+12  1.16E+12  9.97E+11  8.88E+11
Sr-90  2.86E+11  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  3.29E+13  3.84E+13  2.69E+13  2.02E+13  1.63E+13  1.21E+13  8.33E+12  5.94E+12  4.66E+12  3.90E+12  3.37E+12  3.00E+12
Sr-91  1.93E+07  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  8.62E+08  9.36E+08  6.10E+08  4.25E+08  3.19E+08  2.20E+08  1.41E+08  9.34E+07  6.82E+07  5.31E+07  4.26E+07  3.52E+07
Sr-92  6.34E-03  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  2.62E-02  2.37E-02  1.29E-02  7.48E-03  4.68E-03  2.69E-03  1.43E-03  7.91E-04  4.81E-04  3.12E-04  2.08E-04  1.44E-04
Ba-137m  7.76E+14  1.30E+15  1.90E+15  2.34E+15  2.46E+15  2.39E+15  2.15E+15  1.86E+15  1.66E+15  1.31E+15  1.04E+15  8.19E+14  6.52E+14  5.20E+14  4.20E+14  3.49E+14  2.93E+14  2.56E+14  2.26E+14  1.99E+14  1.76E+14  1.57E+14  1.48E+14  1.23E+14  1.09E+14
I-131  6.34E+14  1.04E+15  1.41E+15  1.66E+15  1.77E+15  1.76E+15  1.65E+15  1.42E+15  1.23E+15  1.05E+15  8.69E+14  7.04E+14  5.73E+14  4.70E+14  3.93E+14  3.31E+14  2.77E+14  2.36E+14  2.06E+14  1.79E+14  1.52E+14  1.29E+14  1.10E+14  9.34E+13  7.80E+13
I-132  5.09E+14  7.80E+14  1.06E+15  1.23E+15  1.31E+15  1.30E+15  1.21E+15  1.04E+15  8.92E+14  7.63E+14  6.28E+14  5.08E+14  4.12E+14  3.37E+14  2.81E+14  2.35E+14  1.96E+14  1.66E+14  1.45E+14  1.26E+14  1.07E+14  9.22E+13  7.95E+13  6.93E+13  5.96E+13
I-133  3.55E+13  5.64E+13  7.47E+13  8.51E+13  8.81E+13  8.52E+13  7.72E+13  6.47E+13  5.42E+13  4.51E+13  3.62E+13  2.84E+13  2.24E+13  1.79E+13  1.45E+13  1.19E+13  9.64E+12  7.97E+12  6.75E+12  5.69E+12  4.71E+12  3.87E+12  3.19E+12  2.64E+12  2.14E+12
I-134  5.61E-26  4.18E-26  2.59E-26  1.39E-26  6.73E-27  3.05E-27  1.30E-27  5.09E-28  2.00E-28  7.81E-29  2.94E-29  1.08E-29  4.01E-30  1.50E-30  5.70E-31  2.18E-31  8.32E-32  3.23E-32  1.28E-32  5.06E-33  1.96E-33  7.57E-34  2.93E-34  1.13E-34  4.31E-35
I-135  5.89E+09  8.70E+09  1.07E+10  1.14E+10  1.10E+10  9.87E+09  8.33E+09  6.50E+09  5.07E+09  3.93E+09  2.93E+09  2.15E+09  1.58E+09  1.17E+09  8.83E+08  6.72E+08  5.08E+08  3.92E+08  3.09E+08  2.42E+08  1.86E+08  1.43E+08  1.10E+08  8.43E+07  6.36E+07
Te-127  2.05E+13  3.12E+13  4.20E+13  4.89E+13  5.17E+13  5.11E+13  4.75E+13  4.08E+13  3.50E+13  3.00E+13  2.47E+13  2.00E+13  1.62E+13  1.33E+13  1.11E+13  9.35E+12  7.82E+12  6.66E+12  5.81E+12  5.07E+12  4.35E+12  3.75E+12  3.25E+12  2.85E+12  2.46E+12
Te-127m  1.68E+13  2.59E+13  3.54E+13  4.17E+13  4.47E+13  4.46E+13  4.19E+13  3.63E+13  3.15E+13  2.72E+13  2.26E+13  1.84E+13  1.51E+13  1.24E+13  1.04E+13  8.83E+12  7.42E+12  6.35E+12  5.57E+12  4.88E+12  4.21E+12  3.64E+12  3.17E+12  2.79E+12  2.42E+12
Te-129  3.28E+13  5.07E+13  6.91E+13  8.14E+13  8.71E+13  8.70E+13  8.15E+13  7.06E+13  6.12E+13  5.28E+13  4.38E+13  3.57E+13  2.92E+13  2.41E+13  2.02E+13  1.71E+13  1.44E+13  1.23E+13  1.08E+13  9.43E+12  8.12E+12  7.03E+12  6.11E+12  5.37E+12  4.65E+12
Te-129m  5.04E+13  7.78E+13  1.06E+14  1.25E+14  1.34E+14  1.34E+14  1.25E+14  1.09E+14  9.41E+13  8.11E+13  6.74E+13  5.49E+13  4.49E+13  3.70E+13  3.11E+13  2.63E+13  2.21E+13  1.89E+13  1.65E+13  1.45E+13  1.25E+13  1.08E+13  9.39E+12  8.25E+12  7.15E+12
Te-131m  1.29E+13  1.95E+13  2.60E+13  2.99E+13  3.13E+13  3.05E+13  2.80E+13  2.37E+13  2.01E+13  1.70E+13  1.38E+13  1.10E+13  8.79E+12  7.09E+12  5.82E+12  4.81E+12  3.95E+12  3.31E+12  2.83E+12  2.43E+12  2.04E+12  1.73E+12  1.47E+12  1.26E+12  1.07E+12
Te-132  4.94E+14  7.57E+14  1.02E+15  1.20E+15  1.27E+15  1.26E+15  1.17E+15  1.01E+15  8.65E+14  7.40E+14  6.10E+14  4.93E+14  4.00E+14  3.27E+14  2.73E+14  2.28E+14  1.90E+14  1.62E+14  1.40E+14  1.22E+14  1.04E+14  8.94E+13  7.72E+13  6.73E+13  5.78E+13
Te-131  2.90E+12  4.38E+12  5.85E+12  6.73E+12  7.04E+12  6.88E+12  6.31E+12  5.34E+12  4.53E+12  3.82E+12  3.10E+12  2.47E+12  1.98E+12  1.60E+12  1.31E+12  1.08E+12  8.90E+11  7.44E+11  6.37E+11  5.46E+11  4.60E+11  3.89E+11  3.31E+11  2.84E+11  2.41E+11
Rh-105  4.55E+11  7.80E+11  1.25E+12  1.75E+12  2.24E+12  2.84E+12  3.46E+12  3.98E+12  4.89E+12  6.09E+12  7.12E+12  7.99E+12  8.59E+12  8.46E+12  7.66E+12  6.23E+12  4.79E+12  3.78E+12  3.05E+12  2.43E+12  1.96E+12  1.68E+12  1.52E+12  1.44E+12  1.38E+12
Ru-103  5.50E+12  9.60E+12  1.57E+13  2.24E+13  2.92E+13  3.77E+13  4.68E+13  5.48E+13  6.88E+13  8.72E+13  1.04E+14  1.19E+14  1.30E+14  1.31E+14  1.21E+14  1.00E+14  7.84E+13  6.30E+13  5.18E+13  4.20E+13  3.45E+13  3.01E+13  2.79E+13  2.68E+13  2.62E+13
Ru-105  3.40E+04  5.09E+04  7.11E+04  8.68E+04  9.71E+04  1.07E+05  1.14E+05  1.14E+05  1.23E+05  1.33E+05  1.36E+05  1.33E+05  1.25E+05  1.07E+05  8.47E+04  6.02E+04  4.04E+04  2.78E+04  1.96E+04  1.36E+04  9.54E+03  7.13E+03  5.65E+03  4.65E+03  3.89E+03
Ru-106  2.78E+12  4.85E+12  7.92E+12  1.13E+13  1.48E+13  1.91E+13  2.37E+13  2.78E+13  3.49E+13  4.43E+13  5.28E+13  6.04E+13  6.63E+13  6.65E+13  6.14E+13  5.10E+13  4.00E+13  3.22E+13  2.65E+13  2.15E+13  1.76E+13  1.54E+13  1.43E+13  1.37E+13  1.34E+13
Rh-103m  5.49E+12  9.59E+12  1.56E+13  2.23E+13  2.92E+13  3.77E+13  4.68E+13  5.47E+13  6.87E+13  8.70E+13  1.04E+14  1.19E+14  1.30E+14  1.30E+14  1.20E+14  9.98E+13  7.82E+13  6.29E+13  5.17E+13  4.19E+13  3.44E+13  3.01E+13  2.78E+13  2.67E+13  2.61E+13
Rh-106  2.78E+12  4.85E+12  7.92E+12  1.13E+13  1.48E+13  1.91E+13  2.37E+13  2.78E+13  3.49E+13  4.43E+13  5.28E+13  6.04E+13  6.63E+13  6.65E+13  6.14E+13  5.10E+13  4.00E+13  3.22E+13  2.65E+13  2.15E+13  1.76E+13  1.54E+13  1.43E+13  1.37E+13  1.34E+13
Nb-95  4.03E+14  6.57E+14  9.55E+14  1.15E+15  1.17E+15  1.08E+15  9.34E+14  7.49E+14  6.04E+14  4.92E+14  3.96E+14  3.19E+14  2.62E+14  2.17E+14  1.81E+14  1.50E+14  1.21E+14  9.88E+13  8.24E+13  6.87E+13  5.68E+13  4.79E+13  4.14E+13  3.66E+13  3.22E+13
Co-58  6.11E+10  9.97E+10  1.45E+11  1.74E+11  1.78E+11  1.64E+11  1.42E+11  1.14E+11  9.19E+10  7.49E+10  6.03E+10  4.86E+10  3.99E+10  3.30E+10  2.76E+10  2.28E+10  1.85E+10  1.51E+10  1.26E+10  1.05E+10  8.69E+09  7.33E+09  6.33E+09  5.61E+09  4.93E+09
Co-60  3.65E+11  5.95E+11  8.66E+11  1.04E+12  1.06E+12  9.80E+11  8.50E+11  6.82E+11  5.50E+11  4.49E+11  3.61E+11  2.92E+11  2.39E+11  1.98E+11  1.66E+11  1.37E+11  1.11E+11  9.07E+10  7.57E+10  6.32E+10  5.23E+10  4.41E+10  3.82E+10  3.38E+10  2.97E+10
Mo-99  1.38E+14  2.22E+14  3.20E+14  3.81E+14  3.84E+14  3.50E+14  3.01E+14  2.39E+14  1.91E+14  1.54E+14  1.23E+14  9.79E+13  7.95E+13  6.52E+13  5.39E+13  4.42E+13  3.54E+13  2.86E+13  2.36E+13  1.95E+13  1.60E+13  1.33E+13  1.14E+13  1.00E+13  8.71E+12
Tc-99m  1.33E+14  2.14E+14  3.08E+14  3.67E+14  3.70E+14  3.38E+14  2.90E+14  2.30E+14  1.84E+14  1.48E+14  1.18E+14  9.44E+13  7.67E+13  6.29E+13  5.20E+13  4.26E+13  3.41E+13  2.76E+13  2.28E+13  1.88E+13  1.54E+13  1.29E+13  1.10E+13  9.64E+12  8.40E+12
Nb-97  7.56E+05  1.23E+06  1.89E+06  2.56E+06  3.20E+06  3.97E+06  4.73E+06  5.33E+06  6.43E+06  7.83E+06  8.98E+06  9.90E+06  1.05E+07  1.02E+07  9.08E+06  7.32E+06  5.55E+06  4.28E+06  3.38E+06  2.64E+06  2.09E+06  1.75E+06  1.54E+06  1.41E+06  1.31E+06
Nb-97m  6.19E+05  1.04E+06  1.63E+06  2.23E+06  2.80E+06  3.48E+06  4.16E+06  4.68E+06  5.65E+06  6.89E+06  7.90E+06  8.71E+06  9.22E+06  8.94E+06  7.99E+06  6.44E+06  4.88E+06  3.77E+06  2.97E+06  2.33E+06  1.84E+06  1.54E+06  1.36E+06  1.24E+06  1.15E+06
Ce-141  7.90E+07  1.38E+08  2.25E+08  3.21E+08  4.19E+08  5.43E+08  6.75E+08  7.91E+08  9.94E+08  1.26E+09  1.51E+09  1.73E+09  1.90E+09  1.92E+09  1.79E+09  1.50E+09  1.18E+09  9.50E+08  7.81E+08  6.36E+08  5.24E+08  4.56E+08  4.18E+08  3.98E+08  3.85E+08
Ce-143  6.38E+06  1.09E+07  1.75E+07  2.44E+07  3.13E+07  3.97E+07  4.84E+07  5.56E+07  6.84E+07  8.51E+07  9.95E+07  1.12E+08  1.21E+08  1.20E+08  1.09E+08  8.96E+07  6.94E+07  5.46E+07  4.40E+07  3.51E+07  2.83E+07  2.41E+07  2.17E+07  2.03E+07  1.92E+07
Ce-144  7.27E+07  1.27E+08  2.08E+08  2.96E+08  3.87E+08  5.02E+08  6.24E+08  7.32E+08  9.21E+08  1.17E+09  1.40E+09  1.60E+09  1.77E+09  1.79E+09  1.66E+09  1.40E+09  1.10E+09  8.87E+08  7.29E+08  5.94E+08  4.90E+08  4.26E+08  3.92E+08  3.73E+08  3.61E+08
Np-239  2.74E+08  4.73E+08  7.63E+08  1.07E+09  1.39E+09  1.78E+09  2.18E+09  2.53E+09  3.14E+09  3.95E+09  4.66E+09  5.28E+09  5.75E+09  5.74E+09  5.28E+09  4.38E+09  3.42E+09  2.71E+09  2.21E+09  1.77E+09  1.45E+09  1.24E+09  1.13E+09  1.06E+09  1.02E+09
Pu-238  1.13E+06  1.98E+06  3.23E+06  4.61E+06  6.02E+06  7.81E+06  9.72E+06  1.14E+07  1.43E+07  1.82E+07  2.17E+07  2.50E+07  2.75E+07  2.78E+07  2.59E+07  2.17E+07  1.72E+07  1.38E+07  1.14E+07  9.26E+06  7.63E+06  6.64E+06  6.11E+06  5.82E+06  5.63E+06
Pu-239  8.90E+04  1.56E+05  2.54E+05  3.63E+05  4.74E+05  6.14E+05  7.65E+05  8.97E+05  1.13E+06  1.43E+06  1.71E+06  1.96E+06  2.17E+06  2.19E+06  2.04E+06  1.71E+06  1.35E+06  1.09E+06  8.94E+05  7.29E+05  6.01E+05  5.23E+05  4.81E+05  4.58E+05  4.43E+05
Pu-240  1.82E+05  3.19E+05  5.21E+05  7.43E+05  9.72E+05  1.26E+06  1.57E+06  1.84E+06  2.31E+06  2.94E+06  3.51E+06  4.03E+06  4.44E+06  4.49E+06  4.18E+06  3.51E+06  2.77E+06  2.23E+06  1.83E+06  1.49E+06  1.23E+06  1.07E+06  9.85E+05  9.38E+05  9.09E+05
Pu-241  2.61E+07  4.57E+07  7.46E+07  1.06E+08  1.39E+08  1.80E+08  2.24E+08  2.63E+08  3.31E+08  4.21E+08  5.02E+08  5.77E+08  6.36E+08  6.43E+08  5.98E+08  5.02E+08  3.97E+08  3.19E+08  2.62E+08  2.14E+08  1.76E+08  1.53E+08  1.41E+08  1.34E+08  1.30E+08
Zr-95  8.07E+07  1.41E+08  2.30E+08  3.28E+08  4.29E+08  5.56E+08  6.91E+08  8.11E+08  1.02E+09  1.29E+09  1.54E+09  1.77E+09  1.95E+09  1.97E+09  1.84E+09  1.54E+09  1.22E+09  9.78E+08  8.04E+08  6.55E+08  5.40E+08  4.70E+08  4.32E+08  4.11E+08  3.98E+08
Zr-97  6.53E+05  1.10E+06  1.72E+06  2.35E+06  2.95E+06  3.67E+06  4.39E+06  4.94E+06  5.96E+06  7.27E+06  8.34E+06  9.19E+06  9.72E+06  9.43E+06  8.43E+06  6.79E+06  5.15E+06  3.97E+06  3.14E+06  2.45E+06  1.94E+06  1.62E+06  1.43E+06  1.31E+06  1.22E+06
Am-241  4.57E+05  8.00E+05  1.31E+06  1.86E+06  2.43E+06  3.14E+06  3.91E+06  4.59E+06  5.77E+06  7.33E+06  8.76E+06  1.01E+07  1.11E+07  1.13E+07  1.06E+07  9.06E+06  7.24E+06  5.81E+06  4.77E+06  3.92E+06  3.25E+06  2.82E+06  2.57E+06  2.42E+06  2.31E+06
Cm-242  5.85E+06  1.02E+07  1.67E+07  2.38E+07  3.10E+07  4.01E+07  4.99E+07  5.85E+07  7.36E+07  9.35E+07  1.12E+08  1.28E+08  1.42E+08  1.44E+08  1.36E+08  1.15E+08  9.22E+07  7.40E+07  6.08E+07  4.99E+07  4.14E+07  3.59E+07  3.27E+07  3.07E+07  2.94E+07
Cm-244  1.15E+06  2.00E+06  3.27E+06  4.66E+06  6.08E+06  7.87E+06  9.78E+06  1.15E+07  1.44E+07  1.83E+07  2.19E+07  2.52E+07  2.79E+07  2.83E+07  2.66E+07  2.27E+07  1.81E+07  1.45E+07  1.19E+07  9.80E+06  8.13E+06  7.06E+06  6.44E+06  6.05E+06  5.78E+06
La-140  6.92E+10  8.19E+07  1.31E+08  1.84E+08  2.36E+08  3.00E+08  3.67E+08  4.24E+08  5.24E+08  6.54E+08  7.69E+08  8.68E+08  9.44E+08  9.83E+12  1.16E+13  8.24E+12  6.25E+12  5.11E+12  3.84E+12  2.67E+12  1.92E+12  1.52E+12  1.29E+12  1.12E+12  1.01E+12
La-141  5.88E-02  8.61E-02  1.18E-01  1.41E-01  1.54E-01  1.67E-01  1.74E-01  1.71E-01  1.81E-01  1.93E-01  1.93E-01  1.86E-01  1.72E-01  1.47E-01  1.16E-01  8.26E-02  5.53E-02  3.72E-02  2.56E-02  1.76E-02  1.23E-02  8.92E-03  6.82E-03  5.37E-03  4.30E-03
La-142  1.95E-16  2.18E-16  2.27E-16  2.06E-16  1.72E-16  1.42E-16  1.12E-16  8.42E-17  6.76E-17  5.47E-17  4.17E-17  3.06E-17  2.16E-17  1.40E-17  8.39E-18  4.56E-18  2.32E-18  1.19E-18  6.23E-19  3.26E-19  1.73E-19  9.55E-20  5.56E-20  3.33E-20  2.03E-20
Nd-147  2.56E+07  4.47E+07  7.28E+07  1.04E+08  1.35E+08  1.74E+08  2.16E+08  2.52E+08  3.17E+08  4.01E+08  4.78E+08  5.48E+08  6.05E+08  6.13E+08  5.75E+08  4.88E+08  3.89E+08  3.11E+08  2.55E+08  2.09E+08  1.73E+08  1.49E+08  1.36E+08  1.27E+08  1.22E+08
Pr-143  6.60E+07  1.15E+08  1.87E+08  2.67E+08  3.48E+08  4.49E+08  5.57E+08  6.52E+08  8.20E+08  1.04E+09  1.24E+09  1.42E+09  1.57E+09  1.59E+09  1.49E+09  1.27E+09  1.01E+09  8.10E+08  6.64E+08  5.44E+08  4.50E+08  3.90E+08  3.55E+08  3.33E+08  3.18E+08
Y-90  8.69E+10  2.86E+07  4.61E+07  6.51E+07  8.41E+07  1.08E+08  1.32E+08  1.54E+08  1.91E+08  2.40E+08  2.84E+08  3.23E+08  3.54E+08  1.30E+13  1.54E+13  1.10E+13  8.37E+12  6.87E+12  5.18E+12  3.61E+12  2.61E+12  2.08E+12  1.76E+12  1.54E+12  1.39E+12
Y-91  5.60E+07  9.55E+07  1.56E+08  2.22E+08  2.90E+08  3.75E+08  4.66E+08  5.46E+08  6.87E+08  8.72E+08  1.04E+09  1.20E+09  1.32E+09  1.51E+09  1.46E+09  1.21E+09  9.60E+08  7.70E+08  6.26E+08  5.06E+08  4.14E+08  3.57E+08  3.24E+08  3.02E+08  2.88E+08
Y-92  1.50E-01  2.37E-02  3.18E-02  3.73E-02  4.00E-02  4.25E-02  4.35E-02  4.19E-02  4.34E-02  4.53E-02  4.45E-02  4.21E-02  3.83E-02  1.34E+00  1.29E+00  7.46E-01  4.62E-01  3.08E-01  1.89E-01  1.08E-01  6.37E-02  4.14E-02  2.86E-02  2.04E-02  1.50E-02
Y-93  1.93E+04  3.16E+04  4.81E+04  6.40E+04  7.80E+04  9.42E+04  1.09E+05  1.20E+05  1.41E+05  1.67E+05  1.86E+05  2.00E+05  2.07E+05  1.96E+05  1.72E+05  1.37E+05  1.02E+05  7.64E+04  5.86E+04  4.49E+04  3.48E+04  2.82E+04  2.40E+04  2.10E+04  1.88E+04
Y-91m  1.22E+07  3.33E-08  2.36E-08  1.46E-08  8.23E-09  4.61E-09  2.48E-09  1.26E-09  6.88E-10  3.79E-10  1.96E-10  9.76E-11  4.68E-11  5.46E+08  5.93E+08  3.86E+08  2.69E+08  2.02E+08  1.40E+08  8.93E+07  5.91E+07  4.32E+07  3.36E+07  2.69E+07  2.23E+07
Pr-144  7.27E+07  1.27E+08  2.08E+08  2.96E+08  3.87E+08  5.02E+08  6.24E+08  7.32E+08  9.21E+08  1.17E+09  1.40E+09  1.60E+09  1.77E+09  1.79E+09  1.66E+09  1.40E+09  1.10E+09  8.87E+08  7.29E+08  5.94E+08  4.90E+08  4.26E+08  3.92E+08  3.73E+08  3.61E+08
Pr-144m  1.29E+06  2.26E+06  3.69E+06  5.27E+06  6.89E+06  8.93E+06  1.11E+07  1.30E+07  1.64E+07  2.08E+07  2.49E+07  2.85E+07  3.15E+07  3.18E+07  2.96E+07  2.49E+07  1.96E+07  1.58E+07  1.30E+07  1.06E+07  8.72E+06  7.59E+06  6.98E+06  6.64E+06  6.43E+06
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Rel #	51	52	53	54	55	56	57	58	59	60	61	62	63	64
Kr-85	3.45E+14	3.28E+14	3.11E+14	2.96E+14	2.82E+14	2.67E+14	2.53E+14	2.41E+14	2.30E+14	2.20E+14	2.10E+14	2.01E+14	1.91E+14	1.83E+14
Kr-85m	2.00E+05	1.63E+05	1.33E+05	1.08E+05	8.83E+04	7.14E+04	5.80E+04	4.74E+04	3.88E+04	3.17E+04	2.60E+04	2.12E+04	1.74E+04	1.42E+04
Kr-87	1.07E-19	5.91E-20	3.25E-20	1.79E-20	9.93E-21	5.43E-21	2.99E-21	1.65E-21	9.14E-22	5.06E-22	2.81E-22	1.55E-22	8.60E-23	4.76E-23
Kr-88	1.22E+00	9.06E-01	6.74E-01	5.02E-01	3.76E-01	2.78E-01	2.06E-01	1.54E-01	1.15E-01	8.63E-02	6.46E-02	4.83E-02	3.61E-02	2.70E-02
Xe-133	5.37E+15	5.08E+15	4.80E+15	4.53E+15	4.31E+15	4.04E+15	3.81E+15	3.61E+15	3.43E+15	3.26E+15	3.10E+15	2.94E+15	2.79E+15	2.65E+15
Xe-135	4.17E+11	3.67E+11	3.23E+11	2.84E+11	2.52E+11	2.20E+11	1.93E+11	1.71E+11	1.51E+11	1.34E+11	1.19E+11	1.05E+11	9.28E+10	8.21E+10
Xe-135m	7.56E+06	5.56E+06	4.10E+06	3.09E+06	2.47E+06	8.23E+04	0.00E+00	0.00E+00	3.60E+05	6.38E+05	7.40E+05	7.19E+05	6.40E+05	5.48E+05
Cs-134	4.18E+13	3.75E+13	3.38E+13	3.05E+13	2.16E+13	1.99E+12	5.77E+12	1.38E+13	1.25E+13	1.26E+13	1.23E+13	1.15E+13	1.05E+13	9.43E+12
Cs-136	6.40E+12	5.72E+12	5.14E+12	4.64E+12	3.27E+12	3.00E+11	8.71E+11	2.08E+12	1.88E+12	1.89E+12	1.84E+12	1.72E+12	1.57E+12	1.40E+12
Cs-137	1.03E+14	9.24E+13	8.32E+13	7.53E+13	5.32E+13	4.90E+12	1.42E+13	3.40E+13	3.09E+13	3.11E+13	3.03E+13	2.85E+13	2.60E+13	2.33E+13
Rb-86	2.20E+11	1.97E+11	1.77E+11	1.60E+11	1.13E+11	1.04E+10	3.00E+10	7.16E+10	6.51E+10	6.53E+10	6.36E+10	5.96E+10	5.44E+10	4.86E+10
Rb-88	1.36E+00	1.01E+00	7.53E-01	5.60E-01	4.19E-01	3.10E-01	2.30E-01	1.72E-01	1.29E-01	9.63E-02	7.21E-02	5.40E-02	4.04E-02	3.02E-02
Ba-139	1.32E-19	7.23E-20	7.30E-20	5.03E-20	5.02E-20	4.21E-20	2.51E-20	1.09E-20	3.48E-21	2.49E-21	1.79E-21	1.09E-21	6.00E-22	3.14E-22
Ba-140	1.37E+12	1.23E+12	2.05E+12	2.34E+12	3.84E+12	5.31E+12	5.23E+12	3.75E+12	1.97E+12	2.33E+12	2.77E+12	2.77E+12	2.52E+12	2.17E+12
Sr-89	8.03E+11	7.25E+11	1.21E+12	1.38E+12	2.27E+12	3.15E+12	3.10E+12	2.23E+12	1.17E+12	1.39E+12	1.65E+12	1.66E+12	1.51E+12	1.30E+12
Sr-90	2.71E+12	2.45E+12	4.09E+12	4.66E+12	7.69E+12	1.07E+13	1.05E+13	7.56E+12	3.99E+12	4.71E+12	5.62E+12	5.64E+12	5.14E+12	4.44E+12
Sr-91	2.96E+07	2.49E+07	3.86E+07	4.09E+07	6.27E+07	8.09E+07	7.41E+07	4.95E+07	2.43E+07	2.67E+07	2.96E+07	2.76E+07	2.34E+07	1.88E+07
Sr-92	1.01E-04	7.04E-05	9.10E-05	8.03E-05	1.02E-04	1.10E-04	8.40E-05	4.68E-05	1.91E-05	1.75E-05	1.61E-05	1.26E-05	8.86E-06	5.92E-06
Ba-137m	9.75E+13	8.74E+13	7.87E+13	7.12E+13	5.04E+13	4.63E+12	1.35E+13	3.21E+13	2.92E+13	2.94E+13	2.87E+13	2.69E+13	2.46E+13	2.20E+13
I-131	6.41E+13	5.21E+13	4.26E+13	3.55E+13	3.14E+13	1.16E+12	0.00E+00	0.00E+00	6.85E+12	1.34E+13	1.73E+13	1.85E+13	1.83E+13	1.73E+13
I-132	5.11E+13	4.36E+13	3.75E+13	3.23E+13	2.81E+13	1.61E+12	0.00E+00	0.00E+00	2.43E+12	7.22E+12	9.82E+12	1.09E+13	1.13E+13	1.08E+13
I-133	1.70E+12	1.34E+12	1.07E+12	8.61E+11	7.40E+11	2.65E+10	0.00E+00	0.00E+00	1.44E+11	2.74E+11	3.41E+11	3.56E+11	3.40E+11	3.13E+11
I-134	1.61E-35	5.96E-36	2.22E-36	8.40E-37	3.38E-37	5.68E-39	0.00E+00	0.00E+00	3.18E-39	2.84E-39	1.66E-39	8.11E-40	3.64E-40	1.57E-40
I-135	4.72E+07	3.47E+07	2.56E+07	1.93E+07	1.54E+07	5.14E+05	0.00E+00	0.00E+00	2.25E+06	3.98E+06	4.62E+06	4.49E+06	3.99E+06	3.42E+06
Te-127	2.12E+12	1.83E+12	1.58E+12	1.37E+12	1.20E+12	6.93E+10	0.00E+00	0.00E+00	1.06E+11	3.19E+11	4.37E+11	4.86E+11	5.10E+11	4.91E+11
Te-127m	2.09E+12	1.80E+12	1.56E+12	1.35E+12	1.19E+12	6.89E+10	0.00E+00	0.00E+00	1.06E+11	3.19E+11	4.38E+11	4.88E+11	5.13E+11	4.94E+11
Te-129	4.02E+12	3.46E+12	3.00E+12	2.60E+12	2.29E+12	1.32E+11	0.00E+00	0.00E+00	2.04E+11	6.11E+11	8.38E+11	9.33E+11	9.80E+11	9.43E+11
Te-129m	6.18E+12	5.32E+12	4.61E+12	4.00E+12	3.51E+12	2.03E+11	0.00E+00	0.00E+00	3.13E+11	9.38E+11	1.29E+12	1.43E+12	1.50E+12	1.45E+12
Te-131m	9.05E+11	7.62E+11	6.46E+11	5.48E+11	4.71E+11	2.66E+10	0.00E+00	0.00E+00	3.84E+10	1.13E+11	1.51E+11	1.64E+11	1.69E+11	1.59E+11
Te-132	4.96E+13	4.23E+13	3.64E+13	3.13E+13	2.73E+13	1.57E+12	0.00E+00	0.00E+00	2.36E+12	7.01E+12	9.54E+12	1.05E+13	1.10E+13	1.05E+13
Te-131	2.04E+11	1.72E+11	1.45E+11	1.23E+11	1.06E+11	6.00E+09	0.00E+00	0.00E+00	8.65E+09	2.53E+10	3.40E+10	3.70E+10	3.80E+10	3.58E+10
Rh-105	1.32E+12	1.27E+12	1.20E+12	1.11E+12	2.38E+13	5.79E+13	3.62E+13	2.09E+13	1.17E+13	7.10E+12	4.44E+12	2.83E+12	1.88E+12	1.31E+12
Ru-103	2.57E+13	2.51E+13	2.41E+13	2.28E+13	4.96E+14	1.23E+15	7.86E+14	4.62E+14	2.64E+14	1.63E+14	1.04E+14	6.76E+13	4.56E+13	3.25E+13
Ru-105	3.27E+03	2.73E+03	2.25E+03	1.82E+03	3.39E+04	7.21E+04	3.94E+04	1.98E+04	9.70E+03	5.12E+03	2.79E+03	1.56E+03	9.00E+02	5.48E+02
Ru-106	1.32E+13	1.29E+13	1.24E+13	1.17E+13	2.55E+14	6.35E+14	4.05E+14	2.38E+14	1.36E+14	8.41E+13	5.36E+13	3.49E+13	2.36E+13	1.68E+13
Rh-103m	2.56E+13	2.50E+13	2.41E+13	2.28E+13	4.95E+14	1.23E+15	7.85E+14	4.62E+14	2.64E+14	1.63E+14	1.04E+14	6.74E+13	4.55E+13	3.24E+13
Rh-106	1.32E+13	1.29E+13	1.24E+13	1.17E+13	2.55E+14	6.35E+14	4.05E+14	2.38E+14	1.36E+14	8.41E+13	5.36E+13	3.49E+13	2.36E+13	1.68E+13
Nb-95	2.86E+13	2.57E+13	2.35E+13	2.16E+13	2.30E+13	1.15E+13	1.19E+13	1.29E+13	1.29E+13	1.48E+13	1.60E+13	1.64E+13	1.60E+13	1.54E+13
Co-58	4.38E+09	3.94E+09	3.61E+09	3.32E+09	3.53E+09	1.77E+09	1.83E+09	1.99E+09	1.99E+09	2.27E+09	2.47E+09	2.53E+09	2.47E+09	2.38E+09
Co-60	2.64E+10	2.38E+10	2.18E+10	2.00E+10	2.13E+10	1.07E+10	1.11E+10	1.20E+10	1.20E+10	1.37E+10	1.49E+10	1.53E+10	1.49E+10	1.44E+10
Mo-99	7.67E+12	6.83E+12	6.18E+12	5.63E+12	5.93E+12	2.94E+12	3.02E+12	3.24E+12	3.21E+12	3.63E+12	3.90E+12	3.95E+12	3.82E+12	3.65E+12
Tc-99m	7.39E+12	6.58E+12	5.95E+12	5.43E+12	5.72E+12	2.83E+12	2.91E+12	3.12E+12	3.09E+12	3.49E+12	3.76E+12	3.81E+12	3.68E+12	3.52E+12
Nb-97	1.23E+06	1.15E+06	1.07E+06	9.70E+05	8.65E+05	4.28E+05	6.01E+05	9.56E+05	1.66E+06	2.44E+06	2.65E+06	2.39E+06	1.99E+06	1.57E+06
Nb-97m	1.08E+06	1.01E+06	9.39E+05	8.53E+05	7.61E+05	3.77E+05	5.28E+05	8.41E+05	1.46E+06	2.15E+06	2.33E+06	2.11E+06	1.75E+06	1.38E+06
Ce-141	3.76E+08	3.67E+08	3.54E+08	3.35E+08	3.11E+08	1.60E+08	2.34E+08	3.87E+08	7.00E+08	1.07E+09	1.21E+09	1.14E+09	9.84E+08	8.10E+08
Ce-143	1.84E+07	1.76E+07	1.66E+07	1.54E+07	1.40E+07	7.08E+06	1.01E+07	1.64E+07	2.91E+07	4.38E+07	4.84E+07	4.46E+07	3.78E+07	3.05E+07
Ce-144	3.53E+08	3.44E+08	3.33E+08	3.15E+08	2.93E+08	1.51E+08	2.21E+08	3.66E+08	6.61E+08	1.01E+09	1.15E+09	1.08E+09	9.32E+08	7.68E+08
Np-239	9.80E+08	9.45E+08	9.02E+08	8.44E+08	7.74E+08	3.95E+08	5.69E+08	9.33E+08	1.67E+09	2.53E+09	2.82E+09	2.62E+09	2.24E+09	1.82E+09
Pu-238	5.50E+06	5.37E+06	5.19E+06	4.91E+06	4.57E+06	2.36E+06	3.44E+06	5.71E+06	1.03E+07	1.58E+07	1.79E+07	1.68E+07	1.46E+07	1.20E+07
Pu-239	4.33E+05	4.23E+05	4.08E+05	3.87E+05	3.59E+05	1.85E+05	2.71E+05	4.49E+05	8.12E+05	1.25E+06	1.41E+06	1.33E+06	1.15E+06	9.45E+05
Pu-240	8.87E+05	8.66E+05	8.37E+05	7.93E+05	7.36E+05	3.80E+05	5.55E+05	9.20E+05	1.66E+06	2.55E+06	2.88E+06	2.72E+06	2.35E+06	1.94E+06
Pu-241	1.27E+08	1.24E+08	1.20E+08	1.14E+08	1.05E+08	5.44E+07	7.95E+07	1.32E+08	2.38E+08	3.66E+08	4.13E+08	3.89E+08	3.36E+08	2.77E+08
Zr-95	3.88E+08	3.79E+08	3.66E+08	3.46E+08	3.22E+08	1.66E+08	2.42E+08	4.01E+08	7.25E+08	1.11E+09	1.26E+09	1.18E+09	1.02E+09	8.42E+08
Zr-97	1.14E+06	1.07E+06	9.90E+05	9.00E+05	8.03E+05	3.98E+05	5.57E+05	8.87E+05	1.54E+06	2.27E+06	2.46E+06	2.22E+06	1.84E+06	1.46E+06
Am-241	2.24E+06	2.18E+06	2.11E+06	2.00E+06	1.84E+06	9.33E+05	1.36E+06	2.25E+06	4.07E+06	6.25E+06	7.07E+06	6.66E+06	5.76E+06	4.75E+06
Cm-242	2.85E+07	2.78E+07	2.68E+07	2.55E+07	2.34E+07	1.18E+07	1.73E+07	2.86E+07	5.17E+07	7.94E+07	8.97E+07	8.45E+07	7.30E+07	6.02E+07
Cm-244	5.61E+06	5.46E+06	5.28E+06	5.02E+06	4.61E+06	2.33E+06	3.41E+06	5.64E+06	1.02E+07	1.56E+07	1.77E+07	1.67E+07	1.44E+07	1.19E+07
La-140	9.18E+11	8.37E+11	1.41E+12	1.62E+12	2.69E+12	3.75E+12	3.72E+12	2.70E+12	1.43E+12	1.70E+12	2.04E+12	2.06E+12	1.89E+12	1.64E+12
La-141	3.50E-03	2.86E-03	2.32E-03	1.84E-03	1.42E-03	6.03E-04	7.38E-04	1.02E-03	1.55E-03	2.00E-03	1.89E-03	1.49E-03	1.08E-03	7.49E-04
La-142	1.26E-20	7.81E-21	4.82E-21	2.92E-21	1.71E-21	5.52E-22	5.14E-22	5.43E-22	6.26E-22	6.13E-22	4.42E-22	2.66E-22	1.47E-22	7.71E-23
Nd-147	1.18E+08	1.14E+08	1.10E+08	1.04E+08	9.57E+07	4.83E+07	7.03E+07	1.16E+08	2.09E+08	3.20E+08	3.61E+08	3.39E+08	2.93E+08	2.41E+08
Pr-143	3.07E+08	2.99E+08	2.89E+08	2.73E+08	2.51E+08	1.27E+08	1.85E+08	3.05E+08	5.50E+08	8.43E+08	9.51E+08	8.94E+08	7.71E+08	6.35E+08
Y-90	1.27E+12	1.16E+12	1.97E+12	2.27E+12	3.78E+12	5.30E+12	5.28E+12	3.84E+12	2.05E+12	2.44E+12	2.94E+12	2.98E+12	2.74E+12	2.39E+12
Y-91	2.78E+08	2.70E+08	2.70E+08	2.60E+08	2.56E+08	1.64E+08	2.14E+08	3.04E+08	4.99E+08	7.59E+08	8.58E+08	8.10E+08	7.01E+08	5.79E+08
Y-92	1.12E-02	8.40E-03	1.13E-02	1.05E-02	1.41E-02	1.59E-02	1.30E-02	7.76E-03	3.53E-03	3.50E-03	3.42E-03	2.81E-03	2.10E-03	1.49E-03
Y-93	1.70E+04	1.55E+04	1.40E+04	1.24E+04	1.06E+04	5.03E+03	6.85E+03	1.06E+04	1.79E+04	2.56E+04	2.70E+04	2.38E+04	1.92E+04	1.48E+04
Y-91m	1.88E+07	1.58E+07	2.45E+07	2.59E+07	3.97E+07	5.12E+07	4.69E+07	3.14E+07	1.54E+07	1.69E+07	1.87E+07	1.75E+07	1.48E+07	1.19E+07
Pr-144	3.53E+08	3.45E+08	3.33E+08	3.15E+08	2.93E+08	1.51E+08	2.21E+08	3.66E+08	6.61E+08	1.01E+09	1.15E+09	1.08E+09	9.32E+08	7.68E+08
Pr-144m	6.28E+06	6.13E+06	5.92E+06	5.61E+06	5.21E+06	2.69E+06	3.93E+06	6.51E+06	1.18E+07	1.81E+07	2.04E+07	1.92E+07	1.66E+07	1.37E+07

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	0.000	0.009	0.000
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	0.400	0.000	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	0.250	0.000	0.250
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	0.000	0.018	0.012	0.024	0.006	0.000	0.012	0.012	0.012	0.006	0.012
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	0.250	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	0.250	0.000	0.250	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	0.188	0.125	0.063	0.063	0.000	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
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	0.200	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	0.250	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	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	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	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	0.000	0.067	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
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	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	1	1	0	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	3	5	0	9	15	12	13	16	10	16	17	565	6.4498
6	D	4	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	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	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	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	0	1	0.0114
34	R4	11	0	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	0	9	0.1027
36	R4	32	2	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	15	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	1	0	0	39		0.4452

* * * * BIN WINDROSE SUMMARY * * * *

BIN DIRECTION

	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

	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

	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 11:00:35 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)\Early 30-mile evac\1.6u HighDensity\Data\FGR13GyEquivDCF.INP'
    *
    * EANAM1 - Identifies the EARLY calculation
  2 MIEANAM1001      'OCP1 high density uniform 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.
```

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  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. 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. 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. 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. 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
     *
```

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    * 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      93600.
    *
    * 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      1.36800E+05
    *
    * 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
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 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
      *
```

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    * 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)\Early 30-mile evac\1.6u 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  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	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			
2	1	1	1	1	1	1	1	1	1	1	1	1	1			
3	2	2	2	1	1	4	4	4	4	2	2	2	1	1	1	
4	4	2	2	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	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	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	4	4	4	2	2	1	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

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)\Early 30-mile evac\1.6u HighDensity\Data\PBSite2005_64.inp using WinMACCS 3.7.0 11/13/2012 11:02:32 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
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 1.034 5.687 8.789001
4.136 41.877 68.244 233.167 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 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 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 1.034 6.721 8.789001
3.619 56.353 63.591 123.046 0 0 0 0
0 0 0 0 0 0 0 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
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
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
0 0 0 0 0 0 3.102 3.102
8.789001 49.115 76.51601 186.12 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 0.517 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
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 13.442 89.958 229.548 0 0 0 0
0 0 0 0 0 0 0 0
0 0
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1.551 11.891 98.747 213.004 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 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
4.136 19.646 37.741 321.574 0 0 0 0
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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 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
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
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 4.653 6.204 0
23.265 125.631 99.26401 181.467 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 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
     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    4.136        0        0    8.272    3.102    10.34
 9.823    71.863   159.753   181.984        0        0        0        0
     0        0        0        0        0        0        0        0
     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
     0        0        0        0        0        0        0        0
     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
     0        0        0        0        0        0        0        0
     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
     0        0        0        0        0        0        0        0
     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
     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    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
     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    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
0    0    0    0      0        0       0      0
0    0    0    0     105     125.7    423.3      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
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
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
0    0    0    0      0        0       0      0
0    0    0    0     73.8    130.2    683.7      0
0    0    0    0      0        0       0      0
0    0
0    0    0    0      0        0       0      0
0    0    0    0     62.1    153.6    739.5      0
0    0    0    0      0        0       0      0
0    0
0    0    0    0      0        0       0      0
0    0    0    0     62.1    153.6    739.5      0
0    0    0    0      0        0       0      0
0    0
0    0    0    0      0        0       0      0
0    0    0    0     62.1    153.6    739.5      0
0    0    0    0      0        0       0      0
0    0
0    0    0    0      0        0       0      0
0    0    0    0     74.4    125.1    631.8      0
0    0    0    0      0        0       0      0
0    0
0    0    0    0      0        0       0      0
0    0    0    0     86.4     96.9    524.1      0
0    0    0    0      0        0       0      0
0    0
0    0    0    0      0        0       0      0
0    0    0    0     86.4     96.9    524.1      0
0    0    0    0      0        0       0      0
0    0
0    0    0    0      0        0       0      0
0    0    0    0     86.4     96.9    524.1      0
0    0    0    0      0        0       0      0
0    0
0    0    0    0      0        0       0      0
0    0    0    0    113.1    207.3   1133.1      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
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 139.8 317.7 1742.4 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 139.8 317.7 1742.4 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0 0 0 0 216 499.5 3957.9 0
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0 0
0 0 0 0 0 0 0 0
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
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 0.012 0.066 0.102
0.048 0.486 0.792 2.706 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 0.03 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 0.03 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 0.012 0.078 0.102
0.042 0.654 0.738 1.428 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 0.066 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
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.006 0.006 0.072
0.12 0.468 1.02 2.964 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.006 0.006 0.072
0.12 0.468 1.02 2.964 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0.006 0.006 0.072
0.12 0.468 1.02 2.964 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0.036
0.132 0.492 0.918 3.036 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0.138 0.516 0.822 3.102 0 0 0 0
0 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
0.138 0.516 0.822 3.102 0 0 0 0
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0 0
0 0 0 0 0 0 0 0
0.138 0.516 0.822 3.102 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
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0 0 0 0 0 0.06 0.018 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
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0 0
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0.066 0.588 0.84 2.868 0 0 0 0
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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
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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
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0 0
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0 0 0 0 0 0 0 0
0 0
0 0 0.09 0 0 0.042 0.06 0.204
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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
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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
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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
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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
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0 0
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0 0.342 0.876 1.548 0 0 0 0
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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
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0 0
0 0 0 0 0.018 0.03 0 0
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0 0
0 0 0 0 0.006 0.012 0 0.03
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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
POPULATION6
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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
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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
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0 0 0 0 0 0 0.6 0.6
1.7 9.5 14.8 36 0 0 0 0
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0 0 0 0 0 0.1 0.1 1.2
2 7.8 17 49.4 0 0 0 0
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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
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0 0
0 0 0 0 0 0 0 0
1.1 5.6 15.5 48 0 0 0 0
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0 2.6 17.4 44.4 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 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
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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
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5151.192       0       0       0       0       0       0       0
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POPULATION8
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     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	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	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
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
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	27523.4	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	21478.2	0	0	0	0	0	0
```

```
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0 21478.2 0 0 0 0 0 0
0 0
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0 0 0 0 0 0 0 0
0 21478.2 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 11780.8 0 0 0 0 0 0
0 0
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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
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0 0
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0 2509.6 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 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
```

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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
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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
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2228.5 0 0 0 0 0 0 0
0 0
0 0 0 0 0 0 0 0
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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
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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
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1163.8 0 0 0 0 0 0 0
0 0
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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
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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       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
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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  9291.165       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
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    0  8015.985       0       0       0       0       0       0
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    0       0
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    0  28819.54       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
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    0       0
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    0       0
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    0       0       0       0       0       0       0       0
    0  21141.44       0       0       0       0       0       0
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    0       0       0       0       0       0       0       0
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    0  21141.44       0       0       0       0       0       0
    0       0
    0       0       0       0       0       0       0       0
```

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0  21141.44	0	0	0	0	0	0
0	0
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0	0	0	0	0	0	0	0
0  11990.99	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  2840.535	0	0	0	0	0	0
0	0
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0	0
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0  2616.345	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
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0   727.425	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
0  133435.2	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  109405.5	0	0	0	0	0	0
0	0
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0  85375.84	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  46828.68	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  8281.516	0	0	0	0	0	0
0	0
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0   9975.66	0	0	0	0	0	0
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0	0	0	0	0	0	0	0
0   11670.6	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  13012.56     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  13012.56     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  12285.14     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  11557.71     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  11557.71     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  11557.71     0       0       0       0       0       0
    0       0
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    0       0       0       0       0       0       0       0
    0  10397.81     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   9237.9      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
    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     0.055   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     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
 0.055    0.28   0.775      2.4    5.925   4.455 8.804999   13.525
 40.35  75.415     5280    26398    49706   10925        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        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   0.025    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    0.05   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    0.05   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    0.05   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   0.025   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    0.01    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    0.01    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    0.01    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   0.045    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   0.095    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     0.05        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 0.05 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 0.05 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
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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
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646826 3195388
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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
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646826 3195388
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1575665 3749254
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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
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108.57 81.84 7799 23562 12839 95503 286139 1489138
2134621 5839970
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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
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1128816 3043298
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38.375 72.68999 66446 28340 20114 50680 44519 154997
123012 246625
0 0 0 0 0 0.055 0 0.05
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38.375 72.68999 66446 28340 20114 50680 44519 154997
123012 246625
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0 0
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30.23 58.1 22922 8881 41934 46868 46955 589604
0 0
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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
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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
LAND FRACTION
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0.96 0.98 0.99 0.99 0.99 0.98 0.98 0.96 0.95 0.97
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0.96 0.98 0.99 0.99 0.99 0.98 0.98 0.96 0.95 0.97
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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
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0.93 0.88 0.93 0.96 0.93 0.70 0.00 0.00 0.00 0.00
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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
 50 REGION_50       .493 .164    1393.0   12941.6  233218.6
 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
 56 REGION_56       .493 .164    1393.0   12941.6  233218.6
 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
 61 REGION_61       .000 .000       0.0       0.0       0.0
 62 REGION_62       .000 .000       0.0       0.0       0.0
 63 REGION_63       .329 .295     966.3   13154.9  268506.3
 64 REGION_64       .246 .223    1476.6   15340.4  294111.0
 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
```

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 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
 78 REGION_78      .699 .059    633.3    5669.1  198117.1
 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      6.706
********   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.
********   RECORD NUMBER   298 REPLACES RECORD NUMBER    54   ********
     *
     * DURMID - duration of middle phase of evacuation, in seconds.
 299  EZDURMID001      7200.
```

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********   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.   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. 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  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  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  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  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   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   ********
     *
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     * BRRATE - Breathing rates
  384  SEBRRATE001     2.66E-04
********   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     0.8941
********   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.
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********   RECORD NUMBER   425 REPLACES RECORD NUMBER    76   ********
  426  EZDLTEVA003      7200.
********   RECORD NUMBER   426 REPLACES RECORD NUMBER    77   ********
  427  EZDLTEVA004      7200.
********   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.   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.   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.   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     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     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     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     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   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     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   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  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  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
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********  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.
********  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.
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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.   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   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   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  2  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.
```

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******** 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.
******** 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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
```

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********  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 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 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 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  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
********  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
********  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
********  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
********  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  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   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
```

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********  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   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   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      21600.
********  RECORD NUMBER   826 REPLACES RECORD NUMBER    57  ********
 827  EZDLTSHL002      21600.
********  RECORD NUMBER   827 REPLACES RECORD NUMBER    58  ********
 828  EZDLTSHL003      21600.
********  RECORD NUMBER   828 REPLACES RECORD NUMBER    59  ********
 829  EZDLTSHL004      21600.
********  RECORD NUMBER   829 REPLACES RECORD NUMBER    60  ********
 830  EZDLTSHL005      21600.
********  RECORD NUMBER   830 REPLACES RECORD NUMBER    61  ********
 831  EZDLTSHL006      21600.
********  RECORD NUMBER   831 REPLACES RECORD NUMBER    62  ********
 832  EZDLTSHL007      21600.
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********   RECORD NUMBER   832 REPLACES RECORD NUMBER    63   ********
  833  EZDLTSHL008      21600.
********   RECORD NUMBER   833 REPLACES RECORD NUMBER    64   ********
  834  EZDLTSHL009      21600.
********   RECORD NUMBER   834 REPLACES RECORD NUMBER    65   ********
  835  EZDLTSHL010      21600.
********   RECORD NUMBER   835 REPLACES RECORD NUMBER    66   ********
  836  EZDLTSHL011      21600.
********   RECORD NUMBER   836 REPLACES RECORD NUMBER    67   ********
  837  EZDLTSHL012      21600.
********   RECORD NUMBER   837 REPLACES RECORD NUMBER    68   ********
  838  EZDLTSHL013      21600.
********   RECORD NUMBER   838 REPLACES RECORD NUMBER    69   ********
  839  EZDLTSHL014      21600.
********   RECORD NUMBER   839 REPLACES RECORD NUMBER    70   ********
  840  EZDLTSHL015      21600.
********   RECORD NUMBER   840 REPLACES RECORD NUMBER    71   ********
  841  EZDLTSHL016      21600.
********   RECORD NUMBER   841 REPLACES RECORD NUMBER    72   ********
  842  EZDLTSHL017      21600.
********   RECORD NUMBER   842 REPLACES RECORD NUMBER    73   ********
  843  EZDLTSHL018      21600.
********   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.
********   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.    1.5    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
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********  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  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  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  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  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  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  1  4  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

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
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********  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      36000.
********  RECORD NUMBER   931 REPLACES RECORD NUMBER    57  ********
 932  EZDLTSHL002      36000.
********  RECORD NUMBER   932 REPLACES RECORD NUMBER    58  ********
 933  EZDLTSHL003      36000.
********  RECORD NUMBER   933 REPLACES RECORD NUMBER    59  ********
 934  EZDLTSHL004      36000.
********  RECORD NUMBER   934 REPLACES RECORD NUMBER    60  ********
 935  EZDLTSHL005      36000.
********  RECORD NUMBER   935 REPLACES RECORD NUMBER    61  ********
 936  EZDLTSHL006      36000.
********  RECORD NUMBER   936 REPLACES RECORD NUMBER    62  ********
 937  EZDLTSHL007      36000.
********  RECORD NUMBER   937 REPLACES RECORD NUMBER    63  ********
 938  EZDLTSHL008      36000.
********  RECORD NUMBER   938 REPLACES RECORD NUMBER    64  ********
 939  EZDLTSHL009      36000.
********  RECORD NUMBER   939 REPLACES RECORD NUMBER    65  ********
 940  EZDLTSHL010      36000.
********  RECORD NUMBER   940 REPLACES RECORD NUMBER    66  ********
 941  EZDLTSHL011      36000.
********  RECORD NUMBER   941 REPLACES RECORD NUMBER    67  ********
 942  EZDLTSHL012      36000.
********  RECORD NUMBER   942 REPLACES RECORD NUMBER    68  ********
 943  EZDLTSHL013      36000.
********  RECORD NUMBER   943 REPLACES RECORD NUMBER    69  ********
 944  EZDLTSHL014      36000.
********  RECORD NUMBER   944 REPLACES RECORD NUMBER    70  ********
 945  EZDLTSHL015      36000.
********  RECORD NUMBER   945 REPLACES RECORD NUMBER    71  ********
 946  EZDLTSHL016      36000.
********  RECORD NUMBER   946 REPLACES RECORD NUMBER    72  ********
 947  EZDLTSHL017      36000.
********  RECORD NUMBER   947 REPLACES RECORD NUMBER    73  ********
 948  EZDLTSHL018      36000.
********  RECORD NUMBER   948 REPLACES RECORD NUMBER    74  ********
     *
     * DLTEVA -Delay time to begin evacuation
 949  EZDLTEVA001      36000.
********  RECORD NUMBER   949 REPLACES RECORD NUMBER    75  ********
 950  EZDLTEVA002      36000.
********  RECORD NUMBER   950 REPLACES RECORD NUMBER    76  ********
 951  EZDLTEVA003      36000.
********  RECORD NUMBER   951 REPLACES RECORD NUMBER    77  ********
 952  EZDLTEVA004      36000.
********  RECORD NUMBER   952 REPLACES RECORD NUMBER    78  ********
 953  EZDLTEVA005      36000.
********  RECORD NUMBER   953 REPLACES RECORD NUMBER    79  ********
 954  EZDLTEVA006      36000.
********  RECORD NUMBER   954 REPLACES RECORD NUMBER    80  ********
 955  EZDLTEVA007      36000.
********  RECORD NUMBER   955 REPLACES RECORD NUMBER    81  ********
 956  EZDLTEVA008      36000.
********  RECORD NUMBER   956 REPLACES RECORD NUMBER    82  ********
 957  EZDLTEVA009      54000.
********  RECORD NUMBER   957 REPLACES RECORD NUMBER    83  ********
 958  EZDLTEVA010      36000.
********  RECORD NUMBER   958 REPLACES RECORD NUMBER    84  ********
 959  EZDLTEVA011      36000.
********  RECORD NUMBER   959 REPLACES RECORD NUMBER    85  ********
 960  EZDLTEVA012      36000.
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********  RECORD NUMBER   960 REPLACES RECORD NUMBER    86   ********
  961  EZDLTEVA013      36000.
********  RECORD NUMBER   961 REPLACES RECORD NUMBER    87   ********
  962  EZDLTEVA014      36000.
********  RECORD NUMBER   962 REPLACES RECORD NUMBER    88   ********
  963  EZDLTEVA015      54000.
********  RECORD NUMBER   963 REPLACES RECORD NUMBER    89   ********
  964  EZDLTEVA016      36000.
********  RECORD NUMBER   964 REPLACES RECORD NUMBER    90   ********
  965  EZDLTEVA017      36000.
********  RECORD NUMBER   965 REPLACES RECORD NUMBER    91   ********
  966  EZDLTEVA018      36000.
********  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. 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    4    4    4    2    2    2    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    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
********  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
********  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
********  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
********  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  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  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   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
********   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   ********
     *
```

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      * 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      21600.
********   RECORD NUMBER  1036 REPLACES RECORD NUMBER    57   ********
 1037  EZDLTSHL002      21600.
********   RECORD NUMBER  1037 REPLACES RECORD NUMBER    58   ********
 1038  EZDLTSHL003      21600.
********   RECORD NUMBER  1038 REPLACES RECORD NUMBER    59   ********
 1039  EZDLTSHL004      21600.
********   RECORD NUMBER  1039 REPLACES RECORD NUMBER    60   ********
 1040  EZDLTSHL005      21600.
********   RECORD NUMBER  1040 REPLACES RECORD NUMBER    61   ********
 1041  EZDLTSHL006      21600.
********   RECORD NUMBER  1041 REPLACES RECORD NUMBER    62   ********
 1042  EZDLTSHL007      21600.
********   RECORD NUMBER  1042 REPLACES RECORD NUMBER    63   ********
 1043  EZDLTSHL008      21600.
********   RECORD NUMBER  1043 REPLACES RECORD NUMBER    64   ********
 1044  EZDLTSHL009      21600.
********   RECORD NUMBER  1044 REPLACES RECORD NUMBER    65   ********
 1045  EZDLTSHL010      21600.
********   RECORD NUMBER  1045 REPLACES RECORD NUMBER    66   ********
 1046  EZDLTSHL011      21600.
********   RECORD NUMBER  1046 REPLACES RECORD NUMBER    67   ********
 1047  EZDLTSHL012      21600.
********   RECORD NUMBER  1047 REPLACES RECORD NUMBER    68   ********
 1048  EZDLTSHL013      21600.
********   RECORD NUMBER  1048 REPLACES RECORD NUMBER    69   ********
 1049  EZDLTSHL014      21600.
********   RECORD NUMBER  1049 REPLACES RECORD NUMBER    70   ********
 1050  EZDLTSHL015      21600.
********   RECORD NUMBER  1050 REPLACES RECORD NUMBER    71   ********
 1051  EZDLTSHL016      21600.
********   RECORD NUMBER  1051 REPLACES RECORD NUMBER    72   ********
 1052  EZDLTSHL017      21600.
********   RECORD NUMBER  1052 REPLACES RECORD NUMBER    73   ********
 1053  EZDLTSHL018      21600.
********   RECORD NUMBER  1053 REPLACES RECORD NUMBER    74   ********
      *
      * DLTEVA -Delay time to begin evacuation
 1054  EZDLTEVA001      21600.
********   RECORD NUMBER  1054 REPLACES RECORD NUMBER    75   ********
 1055  EZDLTEVA002      21600.
********   RECORD NUMBER  1055 REPLACES RECORD NUMBER    76   ********
 1056  EZDLTEVA003      21600.
********   RECORD NUMBER  1056 REPLACES RECORD NUMBER    77   ********
 1057  EZDLTEVA004      21600.
********   RECORD NUMBER  1057 REPLACES RECORD NUMBER    78   ********
 1058  EZDLTEVA005      21600.
********   RECORD NUMBER  1058 REPLACES RECORD NUMBER    79   ********
 1059  EZDLTEVA006      21600.
********   RECORD NUMBER  1059 REPLACES RECORD NUMBER    80   ********
 1060  EZDLTEVA007      21600.
********   RECORD NUMBER  1060 REPLACES RECORD NUMBER    81   ********
 1061  EZDLTEVA008      21600.
********   RECORD NUMBER  1061 REPLACES RECORD NUMBER    82   ********
 1062  EZDLTEVA009      21600.
********   RECORD NUMBER  1062 REPLACES RECORD NUMBER    83   ********
 1063  EZDLTEVA010      21600.
********   RECORD NUMBER  1063 REPLACES RECORD NUMBER    84   ********
 1064  EZDLTEVA011      21600.
********   RECORD NUMBER  1064 REPLACES RECORD NUMBER    85   ********
 1065  EZDLTEVA012      21600.
********   RECORD NUMBER  1065 REPLACES RECORD NUMBER    86   ********
 1066  EZDLTEVA013      21600.
********   RECORD NUMBER  1066 REPLACES RECORD NUMBER    87   ********
 1067  EZDLTEVA014      21600.
********   RECORD NUMBER  1067 REPLACES RECORD NUMBER    88   ********
 1068  EZDLTEVA015      21600.
********   RECORD NUMBER  1068 REPLACES RECORD NUMBER    89   ********
 1069  EZDLTEVA016      21600.
********   RECORD NUMBER  1069 REPLACES RECORD NUMBER    90   ********
 1070  EZDLTEVA017      21600.
********   RECORD NUMBER  1070 REPLACES RECORD NUMBER    91   ********
 1071  EZDLTEVA018      21600.
********   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   ********
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 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   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   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  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   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  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  2  1  4  4  4  4  2  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  2  2  2  2  2  2  2  1
  6       1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  2
  7       1  1  1  1  1  1  1  1  1  2  2  1  4  4  2  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
```

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********  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.
********  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      36000.
********  RECORD NUMBER  1141 REPLACES RECORD NUMBER    57  ********
 1142  EZDLTSHL002      36000.
********  RECORD NUMBER  1142 REPLACES RECORD NUMBER    58  ********
 1143  EZDLTSHL003      36000.
********  RECORD NUMBER  1143 REPLACES RECORD NUMBER    59  ********
 1144  EZDLTSHL004      36000.
********  RECORD NUMBER  1144 REPLACES RECORD NUMBER    60  ********
 1145  EZDLTSHL005      36000.
********  RECORD NUMBER  1145 REPLACES RECORD NUMBER    61  ********
 1146  EZDLTSHL006      36000.
********  RECORD NUMBER  1146 REPLACES RECORD NUMBER    62  ********
 1147  EZDLTSHL007      36000.
********  RECORD NUMBER  1147 REPLACES RECORD NUMBER    63  ********
 1148  EZDLTSHL008      36000.
********  RECORD NUMBER  1148 REPLACES RECORD NUMBER    64  ********
 1149  EZDLTSHL009      36000.
********  RECORD NUMBER  1149 REPLACES RECORD NUMBER    65  ********
 1150  EZDLTSHL010      36000.
********  RECORD NUMBER  1150 REPLACES RECORD NUMBER    66  ********
 1151  EZDLTSHL011      36000.
********  RECORD NUMBER  1151 REPLACES RECORD NUMBER    67  ********
 1152  EZDLTSHL012      36000.
********  RECORD NUMBER  1152 REPLACES RECORD NUMBER    68  ********
 1153  EZDLTSHL013      36000.
********  RECORD NUMBER  1153 REPLACES RECORD NUMBER    69  ********
 1154  EZDLTSHL014      36000.
********  RECORD NUMBER  1154 REPLACES RECORD NUMBER    70  ********
 1155  EZDLTSHL015      36000.
********  RECORD NUMBER  1155 REPLACES RECORD NUMBER    71  ********
 1156  EZDLTSHL016      36000.
********  RECORD NUMBER  1156 REPLACES RECORD NUMBER    72  ********
 1157  EZDLTSHL017      36000.
********  RECORD NUMBER  1157 REPLACES RECORD NUMBER    73  ********
 1158  EZDLTSHL018      36000.
********  RECORD NUMBER  1158 REPLACES RECORD NUMBER    74  ********
     *
     * DLTEVA -Delay time to begin evacuation
 1159  EZDLTEVA001      72000.
********  RECORD NUMBER  1159 REPLACES RECORD NUMBER    75  ********
 1160  EZDLTEVA002      72000.
********  RECORD NUMBER  1160 REPLACES RECORD NUMBER    76  ********
 1161  EZDLTEVA003      72000.
********  RECORD NUMBER  1161 REPLACES RECORD NUMBER    77  ********
 1162  EZDLTEVA004      72000.
********  RECORD NUMBER  1162 REPLACES RECORD NUMBER    78  ********
 1163  EZDLTEVA005      72000.
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********   RECORD NUMBER  1163 REPLACES RECORD NUMBER    79   ********
 1164  EZDLTEVA006      72000.
********   RECORD NUMBER  1164 REPLACES RECORD NUMBER    80   ********
 1165  EZDLTEVA007      72000.
********   RECORD NUMBER  1165 REPLACES RECORD NUMBER    81   ********
 1166  EZDLTEVA008      72000.
********   RECORD NUMBER  1166 REPLACES RECORD NUMBER    82   ********
 1167  EZDLTEVA009      72000.
********   RECORD NUMBER  1167 REPLACES RECORD NUMBER    83   ********
 1168  EZDLTEVA010      72000.
********   RECORD NUMBER  1168 REPLACES RECORD NUMBER    84   ********
 1169  EZDLTEVA011      72000.
********   RECORD NUMBER  1169 REPLACES RECORD NUMBER    85   ********
 1170  EZDLTEVA012      72000.
********   RECORD NUMBER  1170 REPLACES RECORD NUMBER    86   ********
 1171  EZDLTEVA013      72000.
********   RECORD NUMBER  1171 REPLACES RECORD NUMBER    87   ********
 1172  EZDLTEVA014      72000.
********   RECORD NUMBER  1172 REPLACES RECORD NUMBER    88   ********
 1173  EZDLTEVA015      72000.
********   RECORD NUMBER  1173 REPLACES RECORD NUMBER    89   ********
 1174  EZDLTEVA016      72000.
********   RECORD NUMBER  1174 REPLACES RECORD NUMBER    90   ********
 1175  EZDLTEVA017      72000.
********   RECORD NUMBER  1175 REPLACES RECORD NUMBER    91   ********
 1176  EZDLTEVA018      72000.
********   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.  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     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     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     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     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
********  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     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     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     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  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  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  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  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  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 11:01:04 AM
     *
     * CHNAME - description
   1  CHCHNAME001      'OCP1 high density uniform no spray'
     *
     * 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
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 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)\Early 30-mile evac\1.6u 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)\Early 30-mile evac\1.6u 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 9.3600E+04.
 TIME OF NORMAL RETURN IS  1.368E+05 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 0.0000 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
20	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
21	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
22	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
23	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
24	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
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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
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
19	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
20	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
21	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
22	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
23	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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 24 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
 25 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
 26 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
 27 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
 28 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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 31 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
 32 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
 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          4          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         11          1   1.14E-03
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        3        152         16         36   1.43E-04
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        4        152         17         35   1.14E-04
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         5        152         18         34   1.14E-04
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         6        152         19         32   3.23E-04
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         7        153          2         10   1.14E-03
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         8        153          7         36   1.43E-04
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         9        153          8         36   1.43E-04
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        10        153         10         36   1.43E-04
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        11        153         11         35   1.14E-04
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        12        153         12         35   1.14E-04
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        13        153         13         34   1.14E-04
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        14        153         14         34   1.14E-04
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        15        154         13          6   1.15E-03
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        16        154         24         10   1.14E-03
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        17        155          1         11   1.15E-03
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        18        155         11          4   1.15E-03
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        19        155         24         11   1.15E-03
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        20        156          8          5   1.13E-03
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        21        156         20         10   1.14E-03
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        22        157          1          9   1.13E-03
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        23        157         13          1   1.14E-03
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        24        157         19          3   8.56E-04
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        25        158         11         21   1.13E-03
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        26        158         15         25   1.52E-04
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        27        158         16         24   1.14E-04
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        28        158         20         12   1.15E-03
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        29        159          2         17   1.14E-03
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        30        159          5         14   1.14E-03
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        31        159         11          4   1.15E-03
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        32        159         18         26   2.38E-04
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        33        159         19         25   1.52E-04
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        34        159         20         24   1.14E-04
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        35        159         21         22   1.09E-03
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        36        160          1         18   5.99E-04
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        37        160          7         14   1.14E-03
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        38        160         11          5   1.13E-03
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         39        160         13         20   1.12E-03
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         40        160         14         19   1.11E-03
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         41        161          2         11   1.15E-03
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         42        161         13          2   1.14E-03
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         43        161         18          6   1.15E-03
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         44        161         21         11   1.15E-03
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         45        161         24         15   1.12E-03
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         46        163          8         10   1.14E-03
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        47       163        13         1   1.14E-03
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        48       164         4        14   1.14E-03
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        49       165        12         1   1.14E-03
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        50       165        13         1   1.14E-03
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     TRIAL       DAY    PERIOD       BIN    PRBMET
        51       165        22        11   1.15E-03
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        52       166         4        11   1.15E-03
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        53       166        13         2   1.14E-03
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        54       167        17         4   1.15E-03
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        55       167        22        14   1.14E-03
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        56       168         1        13   1.14E-03
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        57       168         7        13   1.14E-03
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        58       169        10         4   1.15E-03
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        59       169        15         1   1.14E-03
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        60       169        19         6   1.15E-03
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        61       169        24        10   1.14E-03
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        62       170        14        26   2.38E-04
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        63       170        16        24   1.14E-04
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         64        170         20         10   1.14E-03
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         65        171          8         17   1.14E-03
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         66        171         14          5   1.13E-03
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         67        171         22         14   1.14E-03
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         68        172          8          9   1.13E-03
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         69        173          3         21   1.13E-03
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         70        173         10         10   1.14E-03
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         71        174          4         14   1.14E-03
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      72       174         9         4   1.15E-03
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      73       174        12         1   1.14E-03
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      74       174        13         5   1.13E-03
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      75       174        23        19   1.11E-03
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      76       175        10        36   1.43E-04
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      77       175        11        36   1.43E-04
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      78       175        12        35   1.14E-04
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      79       175        13        35   1.14E-04
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      80       175        14        34   1.14E-04
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        81       175        17        32   3.23E-04
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        82       175        18        27   3.71E-04
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        83       175        21        20   1.12E-03
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        84       176         1        17   1.14E-03
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        85       176         3        10   1.14E-03
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        86       176         5        26   2.38E-04
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        87       176         8        25   1.52E-04
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        88       176        10        24   1.14E-04
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       89       176        23        27   3.71E-04
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       90       177         3        32   3.23E-04
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       91       177         6        32   3.23E-04
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       92       177         9        17   1.14E-03
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       93       177        19        32   3.23E-04
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       94       177        22        25   1.52E-04
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       95       178         1        25   1.52E-04
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       96       178         4        32   3.23E-04
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       97       178         7        22   1.09E-03
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        98       178         8        17   1.14E-03
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        99       179         4        27   3.71E-04
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       100       179        17         1   1.14E-03
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     TRIAL       DAY     PERIOD       BIN     PRBMET
       101       179        20        11   1.15E-03
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       102       179        23        20   1.12E-03
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       103       180         2        19   1.11E-03
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       104       180        14         4   1.15E-03
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       105       180        17        31   1.14E-04
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     106     180      18      30   1.14E-04
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     107     180      19      30   1.14E-04
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     108     180      20      29   1.14E-04
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     109     181      21      14   1.14E-03
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     110     182       4      13   1.14E-03
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     111     182       8       9   1.13E-03
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     112     182      18       5   1.13E-03
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     113     182      24      10   1.14E-03
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       114       183         4        10   1.14E-03
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       115       183        19        11   1.15E-03
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       116       185        19         9   1.13E-03
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       117       186         1        21   1.13E-03
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       118       186         5        17   1.14E-03
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       119       186         8        10   1.14E-03
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       120       186        12         5   1.13E-03
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       121       187         3        32   3.23E-04
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       122       187         5        17   1.14E-03
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       123       187         6        10   1.14E-03
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       124       188        18         4   1.15E-03
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       125       188        24        14   1.14E-03
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       126       189        15         4   1.15E-03
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       127       189        18        10   1.14E-03
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       128       189        22        14   1.14E-03
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       129       190        18         6   1.15E-03
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       130       191         3         9   1.13E-03
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       131       192         5        10   1.14E-03
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       132       192         7         9   1.13E-03
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       133       192        11         1   1.14E-03
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       134       192        16         5   1.13E-03
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       135       192        19         5   1.13E-03
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       136       193        19        26   2.38E-04
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       137       193        21        25   1.52E-04
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       138       193        22        24   1.14E-04
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       139       195         2        19   1.11E-03
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     140     195       7      13   1.14E-03
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     141     195      11       1   1.14E-03
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     142     196       2      10   1.14E-03
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     143     196       7      10   1.14E-03
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     144     196       8      36   1.43E-04
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     145     196      10      36   1.43E-04
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     146     196      11      35   1.14E-04
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     147     196      12      35   1.14E-04
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       148        196         13         34   1.14E-04
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       149        196         16         18   5.99E-04
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       150        196         19          3   8.56E-04
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     TRIAL        DAY     PERIOD        BIN     PRBMET
       151        197          3         14   1.14E-03
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       152        197          8         11   1.15E-03
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       153        197         16          5   1.13E-03
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       154        197         18         11   1.15E-03
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       155        198          7         14   1.14E-03
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      156       198        14        14   1.14E-03
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      157       199         8         9   1.13E-03
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      158       199        15        36   1.43E-04
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      159       199        16        36   1.43E-04
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      160       199        17        36   1.43E-04
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      161       199        18        35   1.14E-04
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      162       199        19        34   1.14E-04
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      163       200         1        20   1.12E-03
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      164       200        16         4   1.15E-03
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      165      201        9        4   1.15E-03
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      166      202        1       10   1.14E-03
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      167      202        3        9   1.13E-03
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      168      202        9        3   8.56E-04
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      169      202       19       10   1.14E-03
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      170      202       22       14   1.14E-03
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      171      203       12        5   1.13E-03
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      172      203       18       26   2.38E-04
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     173      203       20        22   1.09E-03
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     174      203       21        18   5.99E-04
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     175      204        5        10   1.14E-03
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     176      204       15         1   1.14E-03
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     177      204       18         4   1.15E-03
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     178      205       16         4   1.15E-03
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     179      206        6        10   1.14E-03
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     180      206       16         2   1.14E-03
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     181      206       21        11   1.15E-03
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       182        207          7          9   1.13E-03
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       183        207         13          1   1.14E-03
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       184        207         18          5   1.13E-03
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       185        208         16          6   1.15E-03
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       186        209          3          9   1.13E-03
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       187        209         12         26   2.38E-04
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       188        209         13         25   1.52E-04
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       189        209         24         14   1.14E-03
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      190        210          1         15   1.12E-03
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      191        210          5         14   1.14E-03
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      192        210         17          4   1.15E-03
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      193        211          7         10   1.14E-03
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      194        211         22         13   1.14E-03
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      195        211         23         14   1.14E-03
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      196        212         12         26   2.38E-04
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      197        212         13         25   1.52E-04
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      198        212         14         24   1.14E-04
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       199        212         15         23   1.14E-04
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       200        212         20         10   1.14E-03
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     TRIAL        DAY     PERIOD        BIN     PRBMET
       201        212         21          9   1.13E-03
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       202        213         10          3   8.56E-04
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       203        213         14          5   1.13E-03
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       204        214          3         14   1.14E-03
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       205        214          4         14   1.14E-03
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       206        214         15          5   1.13E-03
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       207        215         19         11   1.15E-03
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       208        215         21         14   1.14E-03
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       209        215         22         13   1.14E-03
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       210        216         13          6   1.15E-03
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       211        217          3         14   1.14E-03
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       212        217          9          4   1.15E-03
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       213        217         12          1   1.14E-03
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       214        218          3         14   1.14E-03
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       215       218        7       10   1.14E-03
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       216       218       11        1   1.14E-03
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       217       218       24       31   1.14E-04
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       218       219        1       30   1.14E-04
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       219       219        2       29   1.14E-04
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       220       219        3       28   1.14E-04
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       221       219        5       17   1.14E-03
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       222       219       15        1   1.14E-03
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       223       220        2       10   1.14E-03
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       224       220          6         12   1.15E-03
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       225       220         15          5   1.13E-03
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       226       220         23         11   1.15E-03
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       227       221         19          4   1.15E-03
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       228       221         22         14   1.14E-03
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       229       222         21         10   1.14E-03
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       230       222         24          9   1.13E-03
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       231       223          1         14   1.14E-03
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       232       223         6        12   1.15E-03
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       233       223        13         1   1.14E-03
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       234       225         1        14   1.14E-03
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       235       225        16         1   1.14E-03
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       236       225        20        10   1.14E-03
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       237       226        24        11   1.15E-03
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       238       227         9        10   1.14E-03
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       239       227        12         1   1.14E-03
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       240       228         2        14   1.14E-03
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     241     228       4      15   1.12E-03
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     242     228      10       4   1.15E-03
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     243     228      16       1   1.14E-03
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     244     229       7      10   1.14E-03
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     245     229      16       1   1.14E-03
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     246     229      21      14   1.14E-03
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     247     230       8       9   1.13E-03
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     248     230      18       4   1.15E-03
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     249       231         9         4   1.15E-03
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     250       231        11         1   1.14E-03
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   TRIAL       DAY     PERIOD       BIN     PRBMET
     251       231        16         6   1.15E-03
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     252       231        19         5   1.13E-03
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     253       231        22        11   1.15E-03
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     254       233         5        11   1.15E-03
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     255       233        19        10   1.14E-03
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     256       234         1        14   1.14E-03
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     257       234         7        14   1.14E-03
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       258        234         12          1   1.14E-03
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       259        234         15          1   1.14E-03
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       260        235         17          5   1.13E-03
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       261        236          3          9   1.13E-03
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       262        236          4         13   1.14E-03
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       263        236         12          1   1.14E-03
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       264        236         18         10   1.14E-03
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       265        237         16          1   1.14E-03
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       266       238         9         4   1.15E-03
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       267       239         5        32   3.23E-04
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       268       239         8        21   1.13E-03
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       269       239        11        17   1.14E-03
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       270       239        19        11   1.15E-03
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       271       240         7         9   1.13E-03
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       272       240        10         4   1.15E-03
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       273       240        16         5   1.13E-03
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       274       240        19        10   1.14E-03
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       275       241        16        31   1.14E-04
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       276       241        17        31   1.14E-04
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       277       241        18        30   1.14E-04
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       278       241        19        29   1.14E-04
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       279       241        20        27   3.71E-04
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       280       241        21        27   3.71E-04
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       281       241        23        20   1.12E-03
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       282       242        17        10   1.14E-03
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       283       242        20         9   1.13E-03
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       284       243         6        10   1.14E-03
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       285       244         1         9   1.13E-03
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       286       244         5        21   1.13E-03
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       287       244        21        22   1.09E-03
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       288       245         4        17   1.14E-03
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       289       245        12        17   1.14E-03
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       290       245        21        19   1.11E-03
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     291       246         3        14   1.14E-03
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     292       246         9         3   8.56E-04
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     293       246        19        10   1.14E-03
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     294       246        24        13   1.14E-03
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     295       247        11         1   1.14E-03
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     296       247        24        20   1.12E-03
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     297       248         8        17   1.14E-03
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     298       248         9        27   3.71E-04
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     299       248        10        32   3.23E-04
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     300      249        3       10   1.14E-03
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   TRIAL      DAY    PERIOD      BIN    PRBMET
     301      249       16        4   1.15E-03
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     302      249       17        4   1.15E-03
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     303      250       10        3   8.56E-04
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     304      250       19        9   1.13E-03
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     305      250       20       13   1.14E-03
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     306      251       15       26   2.38E-04
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     307      251       17       24   1.14E-04
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      308       251        21        14   1.14E-03
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      309       252         3        13   1.14E-03
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      310       252        23        13   1.14E-03
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      311       253        10         4   1.15E-03
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      312       253        22        19   1.11E-03
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      313       253        23        18   5.99E-04
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      314       254         8         9   1.13E-03
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      315       254        13         1   1.14E-03
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      316       255         1        13   1.14E-03
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      317      255        5        9   1.13E-03
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      318      255        8       10   1.14E-03
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      319      255       19       10   1.14E-03
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      320      256       11       21   1.13E-03
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      321      256       12       20   1.12E-03
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      322      256       13       19   1.11E-03
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      323      256       15       17   1.14E-03
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      324      256       23       11   1.15E-03
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        325        257          1         26   2.38E-04
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        326        257          2         25   1.52E-04
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        327        257          3         23   1.14E-04
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        328        258          3         10   1.14E-03
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        329        258         16         17   1.14E-03
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        330        258         22         11   1.15E-03
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        331        259         20         10   1.14E-03
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        332        259         24         14   1.14E-03
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     333     260       4      14  1.14E-03
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     334     260      12       5  1.13E-03
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     335     261      20      15  1.12E-03
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     336     261      22      14  1.14E-03
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     337     262      14       5  1.13E-03
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     338     262      16       4  1.15E-03
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     339     263      24      11  1.15E-03
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     340     264       2      11  1.15E-03
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     341     264       7      15  1.12E-03
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      342       264        13          1   1.14E-03
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      343       264        17         10   1.14E-03
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      344       265        15          2   1.14E-03
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      345       266        13          2   1.14E-03
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      346       266        18          4   1.15E-03
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      347       266        22         10   1.14E-03
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      348       267        14         21   1.13E-03
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      349       267        15         20   1.12E-03
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      350      267       19        11   1.15E-03
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    TRIAL       DAY     PERIOD       BIN     PRBMET
      351      268       23        14   1.14E-03
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      352      269        6        14   1.14E-03
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      353      269        7        13   1.14E-03
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      354      269       14         5   1.13E-03
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      355      269       16        10   1.14E-03
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      356      269       19         9   1.13E-03
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      357      269       23        13   1.14E-03
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      358      271        6         9   1.13E-03
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       359       271        17         7   1.13E-03
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       360       271        18        30   1.14E-04
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       361       271        19        27   3.71E-04
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       362       271        22        22   1.09E-03
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       363       272        10         6   1.15E-03
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       364       272        23        14   1.14E-03
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       365       273        10         3   8.56E-04
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       366       273        17         4   1.15E-03
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     367       273        20        11   1.15E-03
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     368       274         1        17   1.14E-03
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     369       274        11         1   1.14E-03
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     370       274        15         5   1.13E-03
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     371       274        16        10   1.14E-03
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     372       274        23        15   1.12E-03
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     373       275         4        14   1.14E-03
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     374       276         5         9   1.13E-03
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     375       276        13        10   1.14E-03
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        376        276         15          1   1.14E-03
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        377        277          1         13   1.14E-03
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        378        277          6         14   1.14E-03
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        379        278          3          5   1.13E-03
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        380        278          5          6   1.15E-03
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        381        278          9          2   1.14E-03
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        382        279          1         18   5.99E-04
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        383        279          8         17   1.14E-03
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       384       279        12        17   1.14E-03
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       385       280         6         2   1.14E-03
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       386       280        12         1   1.14E-03
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       387       281         2         1   1.14E-03
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       388       281        20         1   1.14E-03
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       389       282         3         1   1.14E-03
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       390       282         9         1   1.14E-03
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       391       282        23        20   1.12E-03
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      392       283         1        19   1.11E-03
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      393       283         9         1   1.14E-03
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      394       283        18         9   1.13E-03
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      395       283        19        13   1.14E-03
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      396       284         7         9   1.13E-03
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      397       284        20        18   5.99E-04
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      398       284        22        17   1.14E-03
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      399       287         6        14   1.14E-03
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      400       287        11         2   1.14E-03
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    TRIAL      DAY    PERIOD      BIN    PRBMET
      401      288         7       14   1.14E-03
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      402      288        11        1   1.14E-03
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      403      289         3       14   1.14E-03
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      405      289        12        4   1.15E-03
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      406      289        19       10   1.14E-03
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      407      290         1       11   1.15E-03
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      408      290         2       11   1.15E-03
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       409       290        14        27   3.71E-04
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       410       290        21        12   1.15E-03
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       411       291         3        10   1.14E-03
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       412       291        13         1   1.14E-03
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       413       292         7        26   2.38E-04
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       414       292         8        26   2.38E-04
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       415       292        12        25   1.52E-04
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       416       292        13        25   1.52E-04
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       417       292        14        24   1.14E-04
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      418       292        16         6   1.15E-03
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      419       292        24        22   1.09E-03
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      420       293         4        17   1.14E-03
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      421       293         7        17   1.14E-03
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      422       294         6        14   1.14E-03
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      423       294        12         2   1.14E-03
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      424       295         4        13   1.14E-03
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      425       295        11        10   1.14E-03
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      426       295        12         5   1.13E-03
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      427       296        12         6   1.15E-03
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      428       296        17         6   1.15E-03
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      429       297         3        11   1.15E-03
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      430       297        19         6   1.15E-03
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      431       298         8        11   1.15E-03
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      432       298         9         5   1.13E-03
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      433       298        16         6   1.15E-03
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      434       298        22        11   1.15E-03
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       435       299         6        10   1.14E-03
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       436       299        14         2   1.14E-03
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       438       300         1        13   1.14E-03
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       439       300         2         9   1.13E-03
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       440       300         8        21   1.13E-03
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       441       300         9        21   1.13E-03
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       442       300        21        22   1.09E-03
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     443     301      22      12   1.15E-03
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     444     302      18      12   1.15E-03
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     445     304      24      20   1.12E-03
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     446     305       2      19   1.11E-03
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     447     305       8      13   1.14E-03
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     448     306      10       6   1.15E-03
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     449     306      17      11   1.15E-03
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     450     306      21      11   1.15E-03
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     TRIAL        DAY     PERIOD        BIN     PRBMET
        451        307         19         11   1.15E-03
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        452        308          1         10   1.14E-03
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        453        308          5         15   1.12E-03
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        454        308         11          2   1.14E-03
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        455        309          1         14   1.14E-03
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        456        309         10          3   8.56E-04
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        457        309         11          4   1.15E-03
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        458        309         14          1   1.14E-03
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        459        309         19         14   1.14E-03
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       461       310         1        13   1.14E-03
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       462       310        16         4   1.15E-03
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       463       311         2        13   1.14E-03
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       464       311        17        20   1.12E-03
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       465       311        22        17   1.14E-03
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       466       312        10        22   1.09E-03
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       467       313         4        12   1.15E-03
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       468       313         9         5   1.13E-03
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       470       314        16         3   8.56E-04
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       471       314        22        13   1.14E-03
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       472       315        20        10   1.14E-03
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       473       315        24        10   1.14E-03
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       474       316         9        17   1.14E-03
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       476       316        17         6   1.15E-03
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     477      316       18        7   1.13E-03
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     478      317       16       12   1.15E-03
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     479      318        5        5   1.13E-03
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     480      318       19        9   1.13E-03
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     481      319        7        9   1.13E-03
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     482      319       13        1   1.14E-03
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     483      319       22       10   1.14E-03
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     484      320        2       21   1.13E-03
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       485        320          5         19   1.11E-03
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       486        320          6         17   1.14E-03
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       487        320         13         27   3.71E-04
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       488        320         14         32   3.23E-04
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       489        320         17         32   3.23E-04
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       490        321          1         11   1.15E-03
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       491        321          8         11   1.15E-03
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       492        321         10          6   1.15E-03
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       493        321         21          6   1.15E-03
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       494       321        24        12   1.15E-03
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       495       323         1        11   1.15E-03
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       497       323        16         5   1.13E-03
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       498       323        19         4   1.15E-03
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       499       324         7         5   1.13E-03
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       500       325         1         6   1.15E-03
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     TRIAL       DAY    PERIOD       BIN    PRBMET
       501       325        11         2   1.14E-03
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       502       325        23        11   1.15E-03
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       503       325        24        11   1.15E-03
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       504       326         8         6   1.15E-03
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       505       326        21        17   1.14E-03
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       506       327         2        26   2.38E-04
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       507       327         3        25   1.52E-04
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       508       327         8         6   1.15E-03
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       509       327        12        20   1.12E-03
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       510       328         1        12   1.15E-03
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       511       328        12         6   1.15E-03
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       512       329         3        14   1.14E-03
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       513       329        20        13   1.14E-03
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       514       329        21        14   1.14E-03
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       515       330        13        10   1.14E-03
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       516       330        20        21   1.13E-03
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       517       331        10         9   1.13E-03
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       518       331        12        13   1.14E-03
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       519       332         3        13   1.14E-03
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       520       332         7        13   1.14E-03
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       521       332        17        11   1.15E-03
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       522       333         9        10   1.14E-03
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       523       333        20         9   1.13E-03
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       524       334         2         9   1.13E-03
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       525       334         7        10   1.14E-03
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       526       334        19        12   1.15E-03
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       527       335          9         20   1.12E-03
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       528       335         17         17   1.14E-03
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       529       335         23          6   1.15E-03
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       530       336          7         12   1.15E-03
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       531       337         11          1   1.14E-03
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       532       337         17          5   1.13E-03
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       533       338         13          7   1.13E-03
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       534       338         15          6   1.15E-03
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       535       338         20         10   1.14E-03
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       536       339         1        11   1.15E-03
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       537       339        10         6   1.15E-03
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       538       340         7        10   1.14E-03
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       539       340         8        11   1.15E-03
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       540       341         2        10   1.14E-03
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       541       342         1         6  1.15E-03
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       542       342        12         7   1.13E-03
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       543       342        20         6   1.15E-03
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       544       343         6        11   1.15E-03
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       545       343        23        15   1.12E-03
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       546       343        24        14   1.14E-03
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       547       344         7        13   1.14E-03
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       548       344        15         2   1.14E-03
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       549       344        19        15   1.12E-03
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       550       345        10        13   1.14E-03
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     TRIAL       DAY    PERIOD       BIN    PRBMET
       551       346         8        13   1.14E-03
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      552       346        10         4   1.15E-03
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      553       346        11         1   1.14E-03
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      554       347         1        10   1.14E-03
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      555       347        11        17   1.14E-03
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      556       347        14         5   1.13E-03
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      557       348         1        21   1.13E-03
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      558       348        12         4   1.15E-03
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      559       348        16        14   1.14E-03
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      560       348        22        10   1.14E-03
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      561       349          2         10   1.14E-03
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      562       349          8          9   1.13E-03
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      563       350          2         12   1.15E-03
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      564       350          4         16   1.14E-04
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      565       350          6         16   1.14E-04
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      567       350         23         13   1.14E-03
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      568       351         13         14   1.14E-03
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      569       352          2         13   1.14E-03
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      571       353          1         11   1.15E-03
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      572       353          8         10   1.14E-03
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      573       353         12          5   1.13E-03
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      574       353         16          6   1.15E-03
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      575       353         19         11   1.15E-03
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      577       355          8         20   1.12E-03
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      578      356        1       14   1.14E-03
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      579      356       11       19   1.11E-03
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      580      357        2       22   1.09E-03
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      581      357        4       10   1.14E-03
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      582      357        5       10   1.14E-03
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      583      357       20       11   1.15E-03
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      584      357       24       15   1.12E-03
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      585      358       11        6   1.15E-03
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        586        359          7         21   1.13E-03
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        589        360         22          6   1.15E-03
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        590        361          5          6   1.15E-03
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        591        361         19         11   1.15E-03
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        592        362         19          9   1.13E-03
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        593        363         12          1   1.14E-03
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        594        363         15          4   1.15E-03
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       595       363         22         14   1.14E-03
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       596       364          2          9   1.13E-03
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       597       364          8          9   1.13E-03
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       598       364         16          5   1.13E-03
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       599       365          3         10   1.14E-03
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       600       365          8         10   1.14E-03
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     TRIAL        DAY     PERIOD        BIN     PRBMET
       601          1          2         13   1.14E-03
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       602          1         14          6   1.15E-03
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     603       1      16       5   1.13E-03
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     604       1      22      14   1.14E-03
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     605       1      24      13   1.14E-03
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     606       2       5      21   1.13E-03
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     607       2       7      20   1.12E-03
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     608       2      12      17   1.14E-03
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     609       2      15      17   1.14E-03
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     610       2      16      27   3.71E-04
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       611       3      15       6   1.15E-03
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       612       3      23       5   1.13E-03
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       613       4       7       4   1.15E-03
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       614       5       9      11   1.15E-03
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       615       6       9       6   1.15E-03
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       616       6      15       6   1.15E-03
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       617       7      16       6   1.15E-03
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       618       7      21       5   1.13E-03
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       620         8         2        10   1.14E-03
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       621         8         5        10   1.14E-03
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       622         8        22        12   1.15E-03
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       624         9        11         6   1.15E-03
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       625         9        23        10   1.14E-03
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       627        11        16        22   1.09E-03
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      630        13        10        10   1.14E-03
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      631        13        23        21   1.13E-03
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      633        14        18         8   3.04E-04
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      634        14        20         8   3.04E-04
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      635        14        24         8   3.04E-04
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      636        15         3         8   3.04E-04
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        637        15          6          8   3.04E-04
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        638        15          8          8   3.04E-04
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        639        15         10          8   3.04E-04
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        640        15         14          8   3.04E-04
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        641        15         16          8   3.04E-04
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        642        15         22         12   1.15E-03
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        643        16         10          5   1.13E-03
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        644        16         13          1   1.14E-03
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       645         16         15          4   1.15E-03
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       646         16         17          3   8.56E-04
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       647         17         19         20   1.12E-03
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       648         18          4         17   1.14E-03
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       649         18          7         22   1.09E-03
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       650         18         16          8   3.04E-04
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     TRIAL        DAY     PERIOD        BIN     PRBMET
       651         18         23         11   1.15E-03
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       652         19          9          9   1.13E-03
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       653        19        12        10   1.14E-03
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       654        19        19        11   1.15E-03
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       655        19        20        12   1.15E-03
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       656        20         2        10   1.14E-03
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       657        20        22        13   1.14E-03
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       658        21         2        14   1.14E-03
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       659        21        13         6   1.15E-03
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       660        21        17         7   1.13E-03
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       661        21        21         6   1.15E-03
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       662        22         7        11   1.15E-03
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       664        23         3        17   1.14E-03
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       665        23         5        19   1.11E-03
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       666        23        23        10   1.14E-03
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       667        24        13         1   1.14E-03
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       668        25         1        11   1.15E-03
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       669        25         3        16   1.14E-04
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       670        25        19         7   1.13E-03
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       671        26         1         7   1.13E-03
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       672        26        14         7   1.13E-03
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       673        27         3         6   1.15E-03
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       674        27        12         5   1.13E-03
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       675        27        19        14   1.14E-03
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       676        28        11        10   1.14E-03
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       677        28        22        13   1.14E-03
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       678        28        24        13   1.14E-03
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      679        29        10        20   1.12E-03
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      680        29        11        19   1.11E-03
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      681        29        17         6   1.15E-03
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      682        29        19         9   1.13E-03
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      683        30         6        18   5.99E-04
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      684        30        13         4   1.15E-03
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      685        31         5        10   1.14E-03
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      686        31         8        21   1.13E-03
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       687        31         18          7   1.13E-03
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       688        31         24          6   1.15E-03
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       689        32         12          1   1.14E-03
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       690        33          3         10   1.14E-03
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       691        33         13          5   1.13E-03
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       692        33         23         17   1.14E-03
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       693        34          7         17   1.14E-03
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       694        34         11          6   1.15E-03
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       695        34         17          6   1.15E-03
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       696        34        22         9   1.13E-03
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       697        35         2        13   1.14E-03
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       698        35        18        18   5.99E-04
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       699        35        22        22   1.09E-03
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       700        35        23        17   1.14E-03
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     TRIAL       DAY     PERIOD       BIN     PRBMET
       701        36         4        11   1.15E-03
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       702        36        20        12   1.15E-03
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       703        37         4        12   1.15E-03
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       704        37        11         7   1.13E-03
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       705        37        20        11   1.15E-03
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       706        38        18         6   1.15E-03
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       707        39         6        11   1.15E-03
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       708        40         7        11   1.15E-03
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       709        40        12         2   1.14E-03
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       710        40        16         6   1.15E-03
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       711        41         5        11   1.15E-03
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       712        41        16         5   1.13E-03
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       713        42         4        10   1.14E-03
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       714        42        10        21   1.13E-03
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       715        43         7        17   1.14E-03
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       716        43        20        12   1.15E-03
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       717        44         7        16   1.14E-04
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       718        44        12         2   1.14E-03
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       719        44        20        14   1.14E-03
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       720        45         8        14   1.14E-03
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       721        45        10         4   1.15E-03
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       723        46         9        13   1.14E-03
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       724        46        18         9   1.13E-03
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       725        47         9        13   1.14E-03
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       726        47        20        15   1.12E-03
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       727        48        17         6   1.15E-03
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       728        48        20         6   1.15E-03
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       729         49          4         10   1.14E-03
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       730         49         21          7   1.13E-03
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       731         50          7         12   1.15E-03
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       732         50          8          5   1.13E-03
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       733         50         18          5   1.13E-03
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       734         50         22         11   1.15E-03
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       735         51          6         10   1.14E-03
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       736         51         12          1   1.14E-03
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       737         52          8         14   1.14E-03
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      738       52        17         6   1.15E-03
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      739       53         4        13   1.14E-03
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      740       53        18         4   1.15E-03
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      741       54         6        21   1.13E-03
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      742       54        18        12   1.15E-03
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      743       54        19        11   1.15E-03
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      744       54        21        15   1.12E-03
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      745       55         8         7   1.13E-03
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       746        55        11         8   3.04E-04
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       747        55        13         2   1.14E-03
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       748        56         6        11   1.15E-03
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       749        56         7        10   1.14E-03
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       750        56        11         2   1.14E-03
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     TRIAL       DAY     PERIOD       BIN     PRBMET
       751        56        17         6   1.15E-03
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       752        57         9         7   1.13E-03
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       753        58        15         6   1.15E-03
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      754       58       17        6   1.15E-03
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      755       59        8        5   1.13E-03
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      756       59       12        2   1.14E-03
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      757       60        2       10   1.14E-03
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      758       60        5        6   1.15E-03
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      759       61        6       20   1.12E-03
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      760       61        8       20   1.12E-03
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      761       61       22        7   1.13E-03
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      762       62       24        7   1.13E-03
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    763      63       4       6   1.15E-03
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    764      63      11       2   1.14E-03
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    765      63      21      12   1.15E-03
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    766      64       8       6   1.15E-03
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    767      64      24      12   1.15E-03
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    768      65       1      11   1.15E-03
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    769      65       9       4   1.15E-03
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    770      65      13       1   1.14E-03
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       771        66        11         6   1.15E-03
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       772        66        12         2   1.14E-03
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       773        66        15         2   1.14E-03
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       774        66        20        10   1.14E-03
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       775        67         2        10   1.14E-03
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       776        67         6        14   1.14E-03
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       777        67        17         5   1.13E-03
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       778        68         7         5   1.13E-03
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       779        68        18         6   1.15E-03
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       780        69          7         12   1.15E-03
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       781        69         15          7   1.13E-03
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       782        70          2         11   1.15E-03
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       783        70         12          1   1.14E-03
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       784        70         23         11   1.15E-03
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       785        71         11         17   1.14E-03
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       786        71         12          3   8.56E-04
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       787        71         14          4   1.15E-03
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       788        72          5         18   5.99E-04
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       789        72         10          9   1.13E-03
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       790        72         15          2   1.14E-03
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       791        73          4         12   1.15E-03
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       792        74          6         12   1.15E-03
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       793        74         11          7   1.13E-03
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       794        75         16          2   1.14E-03
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       795        75         22         11   1.15E-03
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       796        76          7          5   1.13E-03
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       797        76        24        12   1.15E-03
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       798        77         9         6   1.15E-03
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       799        77        10         2   1.14E-03
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       800        77        15         2   1.14E-03
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     TRIAL       DAY     PERIOD       BIN     PRBMET
       801        78         6        11   1.15E-03
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       802        78        20         6   1.15E-03
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For Julian Day  78, selecting COMIDA2 results # 2 of 9
       803        78        22         7   1.13E-03
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       804        79        14         2   1.14E-03
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       805        80         9         1   1.14E-03
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       806        80        20         4   1.15E-03
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       807        81         6         6   1.15E-03
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       808        81        16         6   1.15E-03
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       809        82         4         6   1.15E-03
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       810        83         4         5   1.13E-03
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       811        83        11         2   1.14E-03
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       812        83        21        11   1.15E-03
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       813      84       2       5   1.13E-03
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       814      84      13       1   1.14E-03
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       815      84      18       5   1.13E-03
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       816      84      20      10   1.14E-03
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       817      85       3      11   1.15E-03
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       818      86       4      12   1.15E-03
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       819      86       8       6   1.15E-03
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       820      86      13       2   1.14E-03
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       821      86      17       6   1.15E-03
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       822        86        19        11   1.15E-03
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       823        86        21        14   1.14E-03
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       824        87         2        13   1.14E-03
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       825        87        16         1   1.14E-03
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       826        87        22         4   1.15E-03
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       827        88         1        21   1.13E-03
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       828        88         7        19   1.11E-03
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       829        89         6        13   1.14E-03
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       830        89        12        10   1.14E-03
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       831        90        20        12   1.15E-03
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       832        91         9         5   1.13E-03
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       833        91        17         7   1.13E-03
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       834        92        14         1   1.14E-03
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       835        92        23        13   1.14E-03
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       836        93         4        10   1.14E-03
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       837        93         8         5   1.13E-03
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       838        93        12        21   1.13E-03
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       839        93        17        36   1.43E-04
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       840        93        18        35   1.14E-04
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       841        93        19        34   1.14E-04
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       842        93        20        33   1.14E-04
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       843        93        22        27   3.71E-04
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       844        94         2        12   1.15E-03
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       845        94        11         2   1.14E-03
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       846        94        23        11   1.15E-03
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       847        95        10         7   1.13E-03
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       848        95        14         2   1.14E-03
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       849        95        17         6   1.15E-03
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       850        96         7        10   1.14E-03
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     TRIAL       DAY     PERIOD       BIN     PRBMET
       851        97         9        17   1.14E-03
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       852        97        11        17   1.14E-03
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       853        97        16         2   1.14E-03
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       854        98        17         6   1.15E-03
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       855        98        21        11   1.15E-03
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       856        99         1        12   1.15E-03
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       857       100         1        14   1.14E-03
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       858       100        16         1   1.14E-03
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       859       100        23         9   1.13E-03
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       860       101         7        13   1.14E-03
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       861       101        22        11   1.15E-03
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       862       102        13         2   1.14E-03
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       863       102        14         6   1.15E-03
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       865       104         4        20   1.12E-03
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       866       104         5        20   1.12E-03
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       867       104        13        10   1.14E-03
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       868       104        22        19   1.11E-03
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       870       105        10         4   1.15E-03
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       871       105        15         2   1.14E-03
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       873       106         3        11  1.15E-03
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       874       106        15         2  1.14E-03
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       875       106        17         1  1.14E-03
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       876       107         1        10  1.14E-03
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       877       107         2         5  1.13E-03
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       878       107         4        10  1.14E-03
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       879       107        14         1  1.14E-03
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       880       108        19         5  1.13E-03
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       881       109        14         2   1.14E-03
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       882       109        18         6   1.15E-03
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       883       110         3        11   1.15E-03
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       884       110        15         1   1.14E-03
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       885       110        23        13   1.14E-03
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       887       112         7        17   1.14E-03
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       888       112        11        23   1.14E-04
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       891       113         2        17   1.14E-03
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       892       113        21        21   1.13E-03
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       893       114        15         2   1.14E-03
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       894       115        10         4   1.15E-03
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       895       115        12         1   1.14E-03
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       896       115        20        12   1.15E-03
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       897       116        21        10   1.14E-03
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      898      117        1        9   1.13E-03
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      899      117        2       14   1.14E-03
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      900      117       13        1   1.14E-03
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    TRIAL      DAY    PERIOD      BIN    PRBMET
      901      117       14        1   1.14E-03
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      902      117       21       14   1.14E-03
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      903      117       23       13   1.14E-03
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      904      118       16        2   1.14E-03
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      905      119       17        1   1.14E-03
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       906       119        23        10   1.14E-03
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       907       119        24        11   1.15E-03
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       908       120         5         9   1.13E-03
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       909       121        11         1   1.14E-03
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       910       121        24        10   1.14E-03
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       911       122        10         4   1.15E-03
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       912       122        16         1   1.14E-03
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       913       123         1        10   1.14E-03
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       914       123        11         1   1.14E-03
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       915        124          4         14   1.14E-03
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       916        124          7         14   1.14E-03
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       917        124         15          2   1.14E-03
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       918        125          2         15   1.12E-03
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       919        125          9          5   1.13E-03
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       920        125         13          1   1.14E-03
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       921        125         23         13   1.14E-03
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       922        126         11          4   1.15E-03
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       923       126        17         6   1.15E-03
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       924       127        15         1   1.14E-03
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       925       128         3        18   5.99E-04
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       927       128        13         4   1.15E-03
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       929       129        17         1   1.14E-03
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       930       130         2        10   1.14E-03
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      931       130        10        10   1.14E-03
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      932       130        20        11   1.15E-03
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      933       131         3         9   1.13E-03
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      934       131        20        19   1.11E-03
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      935       132         3        17   1.14E-03
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      936       132        11         1   1.14E-03
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      937       132        21        10   1.14E-03
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      938       134         1        21   1.13E-03
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      939       134         2        21   1.13E-03
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      940       134         5        20   1.12E-03
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      941       134         6        20   1.12E-03
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      942       134         8        19   1.11E-03
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      943       135         2        18   5.99E-04
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      944       135         6        17   1.14E-03
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      945       136         1        20   1.12E-03
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      946       136        19         6   1.15E-03
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      947       136        23        14   1.14E-03
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        948       137          4         14   1.14E-03
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        949       137          8          4   1.15E-03
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        950       137          9          5   1.13E-03
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      TRIAL        DAY     PERIOD        BIN     PRBMET
        951       137         15         17   1.14E-03
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        952       137         20         10   1.14E-03
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        953       137         22         11   1.15E-03
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        954       138          8          3   8.56E-04
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        955       138         16          5   1.13E-03
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        956       139         20         12   1.15E-03
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       957       140        12         2   1.14E-03
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       958       141         3        14   1.14E-03
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       959       141         5        14   1.14E-03
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       960       141         7        13   1.14E-03
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       961       141        23        12   1.15E-03
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       962       142         8         6   1.15E-03
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       963       142        13         2   1.14E-03
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       964       142        21        11   1.15E-03
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     965     143       4      15   1.12E-03
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     966     144      13       2   1.14E-03
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     967     144      14       1   1.14E-03
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     968     145      24      21   1.13E-03
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     969     146      19       5   1.13E-03
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     970     146      21      10   1.14E-03
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     971     147       7      14   1.14E-03
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     972     147      15       6   1.15E-03
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     973     147      19      11   1.15E-03
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     974     148      3     10   1.14E-03
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     975     148      5     14   1.14E-03
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     976     148     11      4   1.15E-03
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     977     148     16      1   1.14E-03
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     978     149      2     13   1.14E-03
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     979     149      8      9   1.13E-03
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     980     149     17      4   1.15E-03
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     981     150      6     13   1.14E-03
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     982      150       10        5  1.13E-03
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     983      150       24       10  1.14E-03
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     984      151       10        1  1.14E-03
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 "ATMOS"  DESCRIPTION = OCP1 high density uniform 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  5.28E+11  4.02E+11  1.03E+12  1.31E+12    ****     ****   1.68E+12  2.52E-02   22
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  2.00E+11  1.53E+11  3.35E+11  3.90E+11  7.16E+11    ****   9.09E+11  5.65E-03  222
 Cs-137   Center Ground Conc. (Bq/m2)  1.0000  2.44E+09  1.91E+09  4.13E+09  5.21E+09  8.29E+09  1.03E+10  1.45E+10  3.71E-04  280
 Total    Center Ground Conc. (Bq/m2)   1.0000  2.25E+10  1.67E+10  3.95E+10  5.10E+10  7.15E+10  7.68E+10  1.34E+11  3.71E-04  280
 Ground-Level Dilution, X/Q (s/m3)      1.0000  4.19E-05  3.32E-05  7.31E-05  8.24E-05  1.35E-04    ****   1.93E-04  5.65E-03  222
 Cs-137   Adjusted Source, Q (Bq)       1.0000  4.79E+15  3.15E+15  3.52E+15  3.70E+15  4.13E+15  4.34E+15  4.81E+15  1.14E-03  648
 Plume Sigma-y (m)                      1.0000  3.52E+01  3.36E+01    ****     ****     ****     ****   4.46E+01  1.65E-01   30
 Plume Sigma-z (m)                      1.0000  3.04E+01  2.76E+01  5.12E+01    ****     ****     ****   5.14E+01  9.55E-02   13
 Plume Height  (m)                      1.0000  5.00E+01    ****     ****     ****     ****     ****   5.00E+01  1.00E+00    1
 Plume Arrival Time (s)                 1.0000  2.97E+04  2.22E+04  2.84E+04    ****     ****     ****   2.98E+04  7.22E-02   22

Source Term 1: Plume 1, at    0.2-0.5 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  1.36E+11  1.13E+11  2.75E+11  3.58E+11    ****     ****   4.50E+11  2.48E-02   22
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  8.89E+10  7.34E+10  1.44E+11  1.83E+11  2.61E+11  2.99E+11  3.45E+11  4.55E-03   24
 Cs-137   Center Ground Conc. (Bq/m2)  1.0000  1.06E+09  8.77E+08  2.03E+09  2.26E+09  2.89E+09  3.24E+09  5.58E+09  3.71E-04  280
 Total    Center Ground Conc. (Bq/m2)   1.0000  9.81E+09  7.97E+09  1.57E+10  2.02E+10  2.83E+10  3.22E+10  5.13E+10  3.71E-04  280
 Ground-Level Dilution, X/Q (s/m3)      1.0000  1.89E-05  1.42E-05  3.44E-05  4.40E-05  6.20E-05  6.98E-05  7.66E-05  4.92E-03   24
 Cs-137   Adjusted Source, Q (Bq)       1.0000  4.72E+15  3.15E+15  3.52E+15  3.69E+15  4.13E+15  4.33E+15  4.79E+15  1.14E-03  648
 Plume Sigma-y (m)                      1.0000  1.03E+02  1.07E+02    ****     ****     ****     ****   1.39E+02  1.65E-01   30
 Plume Sigma-z (m)                      1.0000  5.51E+01  4.50E+01    ****     ****     ****     ****   1.60E+02  1.17E-01   13
 Plume Height  (m)                      1.0000  5.00E+01    ****     ****     ****     ****     ****   5.00E+01  1.00E+00    1
 Plume Arrival Time (s)                 1.0000  2.99E+04  2.38E+04  3.02E+04    ****     ****     ****   3.04E+04  7.22E-02   22

Source Term 1: Plume 1, at    0.5-1.2 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  5.30E+10  4.08E+10  1.07E+11  1.36E+11    ****     ****   1.74E+11  2.48E-02   22
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  4.93E+10  3.95E+10  1.02E+11  1.25E+11    ****     ****   1.54E+11  2.48E-02   22
 Cs-137   Center Ground Conc. (Bq/m2)  1.0000  5.73E+08  4.63E+08  1.03E+09  1.12E+09  1.34E+09  1.46E+09  1.97E+09  3.71E-04  280
 Total    Center Ground Conc. (Bq/m2)   1.0000  5.27E+09  4.30E+09  1.01E+10  1.09E+10  1.28E+10  1.38E+10  1.81E+10  3.71E-04  280
 Ground-Level Dilution, X/Q (s/m3)      1.0000  1.10E-05  8.75E-06  2.17E-05  2.72E-05    ****     ****   3.70E-05  2.75E-02   22
 Cs-137   Adjusted Source, Q (Bq)       1.0000  4.57E+15  3.15E+15  3.51E+15  3.69E+15  4.12E+15  4.32E+15  4.78E+15  1.14E-03  747
 Plume Sigma-y (m)                      1.0000  2.01E+02  1.51E+02    ****     ****     ****     ****   2.66E+02  1.37E-01    2
 Plume Sigma-z (m)                      1.0000  1.10E+02  4.50E+01  3.28E+02  3.97E+02    ****     ****   4.35E+02  3.61E-02   23
 Plume Height  (m)                      1.0000  5.00E+01    ****     ****     ****     ****     ****   5.00E+01  1.00E+00    1
 Plume Arrival Time (s)                 1.0000  3.03E+04  3.02E+04  3.12E+04    ****     ****     ****   3.14E+04  7.22E-02   22

Source Term 1: Plume 1, at    1.2-1.6 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  3.30E+10  3.05E+10  7.01E+10  8.48E+10    ****     ****   1.06E+11  2.48E-02   22
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  3.51E+10  3.25E+10  7.03E+10  8.49E+10    ****     ****   1.13E+11  2.48E-02   22
 Cs-137   Center Ground Conc. (Bq/m2)  1.0000  3.95E+08  3.47E+08  7.68E+08  9.15E+08  1.12E+09  1.20E+09  1.52E+09  3.71E-04  279
 Total    Center Ground Conc. (Bq/m2)   1.0000  3.63E+09  3.31E+09  7.12E+09  8.66E+09  1.09E+10  1.15E+10  1.40E+10  3.71E-04  279
 Ground-Level Dilution, X/Q (s/m3)      1.0000  8.33E-06  7.11E-06  1.78E-05  2.40E-05    ****     ****   3.01E-05  2.75E-02   22
 Cs-137   Adjusted Source, Q (Bq)       1.0000  4.42E+15  3.15E+15  3.51E+15  3.68E+15  4.11E+15  4.31E+15  4.77E+15  1.14E-03  747
 Plume Sigma-y (m)                      1.0000  2.74E+02  2.49E+02    ****     ****     ****     ****   4.06E+02  1.37E-01    2
 Plume Sigma-z (m)                      1.0000  1.69E+02  4.50E+01    ****     ****     ****     ****   7.55E+02  1.37E-01    2
 Plume Height  (m)                      1.0000  5.00E+01    ****     ****     ****     ****     ****   5.00E+01  1.00E+00    1
 Plume Arrival Time (s)                 1.0000  3.07E+04  3.06E+04  3.22E+04    ****     ****     ****   3.25E+04  7.22E-02   22

Source Term 1: Plume 1, at    1.6-2.1 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  2.55E+10  2.29E+10  5.13E+10  5.90E+10    ****     ****   8.20E+10  1.35E-02  201
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  2.83E+10  2.40E+10  5.78E+10  7.29E+10    ****     ****   9.16E+10  1.35E-02  201
 Cs-137   Center Ground Conc. (Bq/m2)  1.0000  3.11E+08  3.11E+08  6.15E+08  7.14E+08  7.97E+08  8.36E+08  1.21E+09  3.71E-04  279
 Total    Center Ground Conc. (Bq/m2)   1.0000  2.86E+09  2.58E+09  5.32E+09  6.10E+09  7.57E+09  8.02E+09  1.11E+10  3.71E-04  279
 Ground-Level Dilution, X/Q (s/m3)      1.0000  7.00E-06  5.81E-06  1.45E-05  2.00E-05  2.33E-05  2.48E-05  2.68E-05  2.25E-03  517
 Cs-137   Adjusted Source, Q (Bq)       1.0000  4.31E+15  3.15E+15  3.51E+15  3.68E+15  4.11E+15  4.31E+15  4.77E+15  1.14E-03  764
 Plume Sigma-y (m)                      1.0000  3.18E+02  2.73E+02    ****     ****     ****     ****   5.17E+02  1.36E-01    2
 Plume Sigma-z (m)                      1.0000  2.23E+02  6.53E+01    ****     ****     ****     ****   1.06E+03  1.36E-01    2
 Plume Height  (m)                      1.0000  5.00E+01    ****     ****     ****     ****     ****   5.00E+01  1.00E+00    1
 Plume Arrival Time (s)                 1.0000  3.10E+04  3.07E+04  3.25E+04  3.34E+04    ****     ****   3.34E+04  4.76E-02   24

Source Term 1: Plume 1, at    2.1-3.2 km
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 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  1.81E+10  1.41E+10  3.43E+10  4.04E+10  5.21E+10  5.42E+10  5.67E+10  2.25E-03  517
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  2.03E+10  2.01E+10  4.08E+10  5.04E+10  5.73E+10  6.06E+10  6.46E+10  2.25E-03  517
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  2.16E+08  2.16E+08  3.83E+08  4.53E+08  5.66E+08  6.09E+08  6.15E+08  4.53E-03  186
 Total    Center Ground Conc. (Bq/m2)   1.0000  1.98E+09  2.06E+09  3.61E+09  4.19E+09  5.30E+09  5.58E+09  5.62E+09  4.53E-03  186
 Ground-Level Dilution, X/Q (s/m3)      1.0000  5.38E-06  4.26E-06  1.09E-05  1.35E-05   ****      ****     2.16E-05  1.35E-02  201
 Cs-137   Adjusted Source, Q (Bq)       1.0000  4.14E+15  3.14E+15  3.50E+15  3.67E+15  4.10E+15  4.30E+15  4.76E+15  1.14E-03  764
 Plume Sigma-y (m)                      1.0000  3.94E+02  3.51E+02   ****      ****      ****      ****     7.01E+02  1.36E-01    2
 Plume Sigma-z (m)                      1.0000  3.23E+02  6.59E+01  1.17E+03  1.63E+03   ****      ****     1.65E+03  4.87E-02   23
 Plume Height  (m)                      1.0000  5.00E+01   ****      ****      ****      ****      ****     5.00E+01  1.00E+00    1
 Plume Arrival Time (s)                 1.0000  3.15E+04  3.11E+04  3.37E+04  3.49E+04   ****      ****     3.50E+04  4.76E-02   24

Source Term 1: Plume 1, at   3.2-4.0 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  1.30E+10  1.11E+10  2.62E+10  3.11E+10  3.74E+10  4.05E+10  4.80E+10  1.13E-03  439
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  1.45E+10  1.17E+10  2.89E+10  3.26E+10  4.07E+10  4.48E+10  5.43E+10  1.13E-03  439
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  1.48E+08  1.24E+08  2.79E+08  3.16E+08  3.84E+08  4.18E+08  5.10E+08  1.13E-03  439
 Total    Center Ground Conc. (Bq/m2)   1.0000  1.36E+09  1.15E+09  2.49E+09  2.95E+09  3.60E+09  3.91E+09  4.66E+09  1.13E-03  439
 Ground-Level Dilution, X/Q (s/m3)      1.0000  4.13E-06  3.35E-06  9.07E-06  1.18E-05   ****      ****     1.70E-05  1.55E-02  186
 Cs-137   Adjusted Source, Q (Bq)       1.0000  3.98E+15  3.13E+15  3.50E+15  3.67E+15  4.09E+15  4.29E+15  4.75E+15  1.14E-03  764
 Plume Sigma-y (m)                      1.0000  4.81E+02  3.59E+02  7.55E+02  8.93E+02   ****      ****     9.11E+02  4.61E-02    2
 Plume Sigma-z (m)                      1.0000  4.46E+02  9.38E+01  2.03E+03  2.09E+03  2.24E+03  2.31E+03  2.39E+03  2.28E-03  216
 Plume Height  (m)                      1.0000  5.00E+01   ****      ****      ****      ****      ****     5.00E+01  1.00E+00    1
 Plume Arrival Time (s)                 1.0000  3.22E+04  3.13E+04  3.45E+04  3.60E+04   ****      ****     3.69E+04  3.34E-02  110

Source Term 1: Plume 1, at   4.0-4.8 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  1.02E+10  1.02E+10  2.04E+10  2.37E+10  3.18E+10  3.44E+10  4.07E+10  1.14E-03  200
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  1.13E+10  1.05E+10  2.20E+10  2.72E+10  3.51E+10  3.81E+10  4.55E+10  1.14E-03  200
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  1.13E+08  1.06E+08  2.10E+08  2.40E+08  3.18E+08  3.49E+08  4.26E+08  1.14E-03  200
 Total    Center Ground Conc. (Bq/m2)   1.0000  1.03E+09  1.05E+09  2.01E+09  2.25E+09  2.92E+09  3.21E+09  3.89E+09  1.14E-03  200
 Ground-Level Dilution, X/Q (s/m3)      1.0000  3.39E-06  2.90E-06  7.76E-06  1.03E-05  1.29E-05   ****     1.42E-05  5.13E-03  374
 Cs-137   Adjusted Source, Q (Bq)       1.0000  3.87E+15  3.12E+15  3.49E+15  3.66E+15  4.09E+15  4.29E+15  4.75E+15  1.14E-03  764
 Plume Sigma-y (m)                      1.0000  5.54E+02  5.01E+02   ****      ****      ****      ****     1.08E+03  1.18E-01    2
 Plume Sigma-z (m)                      1.0000  5.57E+02  9.46E+01  3.00E+03  3.02E+03  3.04E+03  3.05E+03  3.06E+03  2.28E-03  216
 Plume Height  (m)                      1.0000  5.00E+01   ****      ****      ****      ****      ****     5.00E+01  1.00E+00    1
 Plume Arrival Time (s)                 1.0000  3.27E+04  3.16E+04  3.55E+04  3.74E+04   ****      ****     3.85E+04  3.34E-02  110

Source Term 1: Plume 1, at   4.8-5.6 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  8.29E+09  7.81E+09  1.65E+10  2.06E+10  2.65E+10  2.96E+10  3.48E+10  1.14E-03  937
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  9.05E+09  8.70E+09  1.91E+10  2.23E+10  3.01E+10  3.25E+10  3.84E+10  1.14E-03  937
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  8.87E+07  1.00E+08  1.53E+08  1.84E+08  2.57E+08  2.95E+08  3.59E+08  1.14E-03  937
 Total    Center Ground Conc. (Bq/m2)   1.0000  8.10E+08  8.22E+08  1.42E+09  1.68E+09  2.33E+09  2.62E+09  3.28E+09  1.14E-03  937
 Ground-Level Dilution, X/Q (s/m3)      1.0000  2.85E-06  2.28E-06  6.58E-06  9.71E-06  1.10E-05  1.15E-05  1.20E-05  2.26E-03  374
 Cs-137   Adjusted Source, Q (Bq)       1.0000  3.77E+15  3.11E+15  3.48E+15  3.65E+15  4.08E+15  4.28E+15  4.74E+15  1.14E-03  764
 Plume Sigma-y (m)                      1.0000  6.25E+02  5.25E+02   ****      ****      ****      ****     1.25E+03  1.30E-01    2
 Plume Sigma-z (m)                      1.0000  6.73E+02  9.58E+01  3.05E+03  3.17E+03  3.48E+03  3.62E+03  3.78E+03  2.39E-03   49
 Plume Height  (m)                      1.0000  5.00E+01   ****      ****      ****      ****      ****     5.00E+01  1.00E+00    1
 Plume Arrival Time (s)                 1.0000  3.32E+04  3.18E+04  3.65E+04  3.88E+04   ****      ****     4.01E+04  3.34E-02  110

Source Term 1: Plume 1, at   5.6-8.1 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  5.65E+09  5.41E+09  1.08E+10  1.21E+10  1.57E+10  1.76E+10  2.23E+10  1.14E-03  937
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  6.07E+09  5.79E+09  1.18E+10  1.37E+10  1.96E+10  2.11E+10  2.42E+10  1.14E-03  937
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  5.75E+07  6.03E+07  1.07E+08  1.19E+08  1.50E+08  1.66E+08  2.97E+08  1.14E-04  278
 Total    Center Ground Conc. (Bq/m2)   1.0000  5.24E+08  5.34E+08  1.01E+09  1.09E+09  1.30E+09  1.41E+09  2.71E+09  1.14E-04  278
 Ground-Level Dilution, X/Q (s/m3)      1.0000  2.04E-06  1.41E-06  4.56E-06  6.11E-06  8.04E-06  8.67E-06  9.04E-06  3.39E-03  296
 Cs-137   Adjusted Source, Q (Bq)       1.0000  3.61E+15  3.09E+15  3.46E+15  3.63E+15  4.06E+15  4.26E+15  4.73E+15  1.14E-03  764
 Plume Sigma-y (m)                      1.0000  7.64E+02  6.25E+02  1.14E+03  1.44E+03   ****      ****     1.57E+03  3.82E-02   32
 Plume Sigma-z (m)                      1.0000  9.18E+02  1.81E+02  5.01E+03  5.06E+03  5.17E+03  5.22E+03  5.31E+03  1.25E-03  198
 Plume Height  (m)                      1.0000  5.00E+01   ****      ****      ****      ****      ****     5.00E+01  1.00E+00    1
 Plume Arrival Time (s)                 1.0000  3.43E+04  3.21E+04  3.76E+04  4.02E+04   ****      ****     4.34E+04  2.32E-02  110

Source Term 1: Plume 1, at  8.1-11.3 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  3.28E+09  3.02E+09  6.67E+09  7.88E+09  1.05E+10  1.11E+10  1.27E+10  1.14E-03  170
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  3.45E+09  3.08E+09  7.10E+09  8.33E+09  1.08E+10  1.16E+10  1.34E+10  1.14E-03  170
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  3.13E+07  3.06E+07  5.89E+07  6.81E+07  8.49E+07  9.29E+07  1.35E+08  1.14E-04  327
 Total    Center Ground Conc. (Bq/m2)   1.0000  2.85E+08  2.91E+08  5.35E+08  6.02E+08  7.52E+08  8.05E+08  1.22E+09  1.14E-04  327
 Ground-Level Dilution, X/Q (s/m3)      1.0000  1.29E-06  1.01E-06  2.94E-06  3.85E-06  5.38E-06  5.68E-06  6.05E-06  2.27E-03  304
 Cs-137   Adjusted Source, Q (Bq)       1.0000  3.41E+15  3.06E+15  3.43E+15  3.60E+15  4.04E+15  4.24E+15  4.71E+15  1.14E-03  764
 Plume Sigma-y (m)                      1.0000  1.00E+03  8.07E+02   ****      ****      ****      ****     2.12E+03  1.10E-01    2
 Plume Sigma-z (m)                      1.0000  1.37E+03  1.92E+02  7.04E+03  7.21E+03  7.62E+03  7.80E+03  8.21E+03  1.14E-03  183
 Plume Height  (m)                      1.0000  5.00E+01   ****      ****      ****      ****      ****     5.00E+01  1.00E+00    1
 Plume Arrival Time (s)                 1.0000  3.61E+04  3.24E+04  3.87E+04  4.17E+04   ****      ****     4.90E+04  1.17E-02  110

Source Term 1: Plume 1, at 11.3-16.1 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  1.85E+09  1.46E+09  3.63E+09  4.31E+09  6.04E+09  6.88E+09  8.01E+09  1.14E-03  546
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  1.91E+09  1.49E+09  3.75E+09  4.44E+09  6.26E+09  7.10E+09  8.34E+09  1.14E-03  546
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  1.67E+07  1.39E+07  3.18E+07  3.64E+07  4.99E+07  5.33E+07  9.00E+07  1.52E-04  326
 Total    Center Ground Conc. (Bq/m2)   1.0000  1.51E+08  1.22E+08  2.92E+08  3.28E+08  4.16E+08  4.61E+08  8.16E+08  1.52E-04  326
 Ground-Level Dilution, X/Q (s/m3)      1.0000  7.85E-07  5.39E-07  1.72E-06  2.34E-06  3.26E-06  3.46E-06  3.91E-06  1.13E-03  304
 Cs-137   Adjusted Source, Q (Bq)       1.0000  3.20E+15  3.03E+15  3.40E+15  3.57E+15  4.01E+15  4.21E+15  4.68E+15  1.14E-03  764
 Plume Sigma-y (m)                      1.0000  1.33E+03  1.02E+03  2.84E+03   ****      ****      ****     2.87E+03  9.89E-02    2
 Plume Sigma-z (m)                      1.0000  2.09E+03  3.03E+02  1.01E+04  1.04E+04  1.14E+04  1.18E+04  1.28E+04  1.14E-03  183
 Plume Height  (m)                      1.0000  5.00E+01   ****      ****      ****      ****      ****     5.00E+01  1.00E+00    1
 Plume Arrival Time (s)                 1.0000  3.86E+04  3.33E+04  4.25E+04  4.73E+04  5.41E+04  5.65E+04  5.70E+04  4.26E-03  314

Source Term 1: Plume 1, at 64.4-80.5 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  8.52E+07  6.32E+07  1.68E+08  2.15E+08  3.02E+08  3.55E+08  5.07E+08  1.15E-03  651
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  8.53E+07  6.33E+07  1.69E+08  2.16E+08  3.09E+08  3.61E+08  5.10E+08  1.15E-03  651
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  7.58E+05  5.63E+05  1.45E+06  1.90E+06  3.17E+06  3.67E+06  5.43E+06  1.13E-03  120
 Total    Center Ground Conc. (Bq/m2)   1.0000  6.60E+06  4.91E+06  1.28E+07  1.62E+07  2.70E+07  3.26E+07  4.67E+07  1.13E-03  120
 Ground-Level Dilution, X/Q (s/m3)      1.0000  4.57E-08  3.26E-08  1.00E-07  1.18E-07  1.75E-07  2.07E-07  3.06E-07  1.13E-03  516
 Cs-137   Adjusted Source, Q (Bq)       1.0000  2.17E+15  2.01E+15  3.19E+15  3.33E+15  3.70E+15  3.87E+15  4.25E+15  1.14E-03  800
 Plume Sigma-y (m)                      1.0000  5.81E+03  5.19E+03  8.73E+03  1.01E+04   ****      ****     1.21E+04  1.66E-02  381
 Plume Sigma-z (m)                      1.0000  8.84E+03  1.85E+03  3.03E+04  3.32E+04  4.11E+04  4.51E+04  5.39E+04  1.15E-03  242
 Plume Height  (m)                      1.0000  5.00E+01   ****      ****      ****      ****      ****     5.00E+01  1.00E+00    1
 Plume Arrival Time (s)                 1.0000  7.17E+04  7.00E+04  9.60E+04  1.04E+05  1.20E+05  1.28E+05  1.45E+05  1.13E-03  516

Source Term 1: Plume 1, at   113-161 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  2.90E+07  2.38E+07  5.27E+07  6.51E+07  9.82E+07  1.14E+08  1.55E+08  1.15E-03  721
 Cs-137   Ground Air Conc. (Bq-s/m3)    1.0000  2.90E+07  2.38E+07  5.27E+07  6.51E+07  9.82E+07  1.14E+08  1.55E+08  1.15E-03  721
 Cs-137   Center Ground Conc. (Bq/m2)   1.0000  2.51E+05  1.92E+05  4.82E+05  6.38E+05  9.34E+05  1.12E+06  1.77E+06  1.14E-03   73
 Total    Center Ground Conc. (Bq/m2)   1.0000  2.11E+06  1.53E+06  4.09E+06  5.30E+06  8.31E+06  9.83E+06  1.44E+07  1.14E-03   73
 Ground-Level Dilution, X/Q (s/m3)      1.0000  1.97E-08  1.45E-08  3.58E-08  4.65E-08  7.25E-08  7.71E-08  8.78E-08  1.13E-03  557
 Cs-137   Adjusted Source, Q (Bq)       1.0000  1.70E+15  1.46E+15  2.81E+15  3.08E+15  3.39E+15  3.54E+15  3.86E+15  1.13E-03  793
 Plume Sigma-y (m)                      1.0000  1.00E+04  9.16E+03  1.30E+04  1.48E+04  1.99E+04   ****     2.10E+04  6.30E-03  381
 Plume Sigma-z (m)                      1.0000  1.02E+04  2.70E+03  3.17E+04  3.69E+04  5.04E+04  5.15E+04  5.40E+04  1.11E-03  139
 Plume Height  (m)                      1.0000  5.00E+01   ****      ****      ****      ****      ****     5.00E+01  1.00E+00    1
 Plume Arrival Time (s)                 1.0000  1.06E+05  1.01E+05  1.29E+05  1.44E+05  1.84E+05  2.01E+05  2.15E+05  1.14E-03  514

 "ATMOS"  DESCRIPTION = OCP1 high density uniform no spray
 "EARLY"  DESCRIPTION = OCP1 high density uniform no spray, EARLY input
 "CHRONC" DESCRIPTION = OCP1 high density uniform no spray
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SOURCE TERM 1 OF 1:
OCP1 high density uniform 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 = OCP1 high density uniform no spray

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

		PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK 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	2.65E+01	2.43E+01	3.57E+01	3.96E+01	5.01E+01	5.22E+01	5.69E+01	1.14E-03	351
CAN INJ/TOTAL	0-32.2 km	1.0000	4.64E+01	4.03E+01	7.31E+01	8.28E+01	1.10E+02	1.23E+02	1.56E+02	1.13E-03	285
CAN INJ/TOTAL	0-48.3 km	1.0000	6.46E+01	5.55E+01	1.06E+02	1.19E+02	1.56E+02	1.76E+02	2.10E+02	1.15E-03	302
CAN INJ/TOTAL	0-64.4 km	1.0000	8.57E+01	7.22E+01	1.42E+02	1.76E+02	2.25E+02	2.42E+02	2.80E+02	1.14E-03	236
CAN INJ/TOTAL	0-80.5 km	1.0000	1.14E+02	9.20E+01	2.16E+02	2.61E+02	3.32E+02	3.54E+02	4.05E+02	1.14E-03	240
CAN INJ/TOTAL	0-161 km	1.0000	3.65E+02	2.62E+02	8.15E+02	1.03E+03	1.23E+03	1.32E+03	1.56E+03	1.13E-03	374
CAN INJ/TOTAL	0-322 km	1.0000	8.42E+02	5.72E+02	1.92E+03	2.41E+03	3.78E+03	4.53E+03	6.34E+03	1.13E-03	314
CAN INJ/TOTAL	0-805 km	1.0000	1.14E+03	6.57E+02	2.87E+03	3.52E+03	5.14E+03	5.50E+03	6.36E+03	1.13E-03	314
CAN INJ/TOTAL	0-1609 km	1.0000	1.14E+03	6.64E+02	2.87E+03	3.52E+03	5.14E+03	5.50E+03	6.36E+03	1.13E-03	314
CAN FAT/TOTAL	0-16.1 km	1.0000	1.17E+01	1.06E+01	1.53E+01	1.79E+01	2.17E+01	2.28E+01	2.54E+01	1.12E-03	391
CAN FAT/TOTAL	0-32.2 km	1.0000	2.01E+01	1.74E+01	3.14E+01	3.60E+01	4.92E+01	5.43E+01	6.64E+01	1.13E-03	285
CAN FAT/TOTAL	0-48.3 km	1.0000	2.77E+01	2.36E+01	4.43E+01	5.29E+01	7.02E+01	7.53E+01	8.72E+01	1.15E-03	302
CAN FAT/TOTAL	0-64.4 km	1.0000	3.65E+01	3.08E+01	6.59E+01	7.65E+01	1.00E+02	1.05E+02	1.17E+02	1.15E-03	339
CAN FAT/TOTAL	0-80.5 km	1.0000	4.84E+01	3.89E+01	8.82E+01	1.04E+02	1.28E+02	1.39E+02	1.68E+02	1.14E-03	240
CAN FAT/TOTAL	0-161 km	1.0000	1.53E+02	1.06E+02	3.27E+02	4.08E+02	5.43E+02	5.76E+02	6.54E+02	1.13E-03	374
CAN FAT/TOTAL	0-322 km	1.0000	3.51E+02	2.34E+02	8.03E+02	1.03E+03	1.53E+03	1.82E+03	2.62E+03	1.13E-03	314
CAN FAT/TOTAL	0-805 km	1.0000	4.74E+02	2.75E+02	1.15E+03	1.47E+03	2.14E+03	2.29E+03	2.63E+03	1.13E-03	314
CAN FAT/TOTAL	0-1609 km	1.0000	4.77E+02	2.80E+02	1.15E+03	1.47E+03	2.14E+03	2.29E+03	2.63E+03	1.13E-03	314
CAN FAT/THYROID	0-16.1 km	1.0000	7.31E-02	6.72E-02	1.07E-01	1.17E-01	1.47E-01	1.62E-01	2.28E-01	1.14E-03	351
CAN FAT/THYROID	0-80.5 km	1.0000	5.72E-01	4.10E-01	1.13E+00	1.38E+00	2.07E+00	2.23E+00	2.61E+00	1.14E-03	236
CAN FAT/THYROID	0-161 km	1.0000	1.84E+00	1.12E+00	4.38E+00	5.47E+00	7.23E+00	7.62E+00	8.52E+00	1.13E-03	268
CAN FAT/THYROID	0-1609 km	1.0000	5.20E+00	2.69E+00	1.27E+01	1.65E+01	2.29E+01	2.50E+01	3.35E+01	1.13E-03	314
CAN FAT/BREAST	0-16.1 km	1.0000	7.82E-01	7.43E-01	1.06E+00	1.14E+00	1.33E+00	1.42E+00	1.65E+00	1.12E-03	391
CAN FAT/BREAST	0-80.5 km	1.0000	3.37E+00	2.77E+00	6.13E+00	7.28E+00	9.23E+00	1.01E+01	1.14E+01	1.14E-03	240
CAN FAT/BREAST	0-161 km	1.0000	1.06E+01	7.63E+00	2.28E+01	3.01E+01	3.51E+01	3.75E+01	4.32E+01	1.13E-03	374
CAN FAT/BREAST	0-1609 km	1.0000	3.24E+01	1.93E+01	8.22E+01	1.04E+02	1.31E+02	1.45E+02	1.79E+02	1.13E-03	314
CAN FAT/LUNG	0-16.1 km	1.0000	1.72E+00	1.45E+00	2.35E+00	2.60E+00	3.14E+00	3.29E+00	3.64E+00	1.12E-03	391
CAN FAT/LUNG	0-80.5 km	1.0000	7.71E+00	6.30E+00	1.31E+01	1.60E+01	2.16E+01	2.29E+01	2.61E+01	1.14E-03	240
CAN FAT/LUNG	0-161 km	1.0000	2.40E+01	1.74E+01	5.30E+01	6.64E+01	8.01E+01	8.55E+01	9.82E+01	1.13E-03	374
CAN FAT/LUNG	0-1609 km	1.0000	7.34E+01	4.35E+01	1.84E+02	2.36E+02	3.25E+02	3.48E+02	4.04E+02	1.13E-03	314
CAN FAT/LEUKEMIA	0-1609 km	1.0000	4.59E+01	2.73E+01	1.09E+02	1.32E+02	2.02E+02	2.15E+02	2.44E+02	1.13E-03	374
CAN FAT/BONE	0-1609 km	1.0000	8.85E-01	5.46E-01	2.16E+00	2.89E+00	3.59E+00	3.90E+00	4.64E+00	1.13E-03	374
CAN FAT/LIVER	0-1609 km	1.0000	1.18E+01	6.98E+00	2.99E+01	3.76E+01	5.36E+01	5.71E+01	6.55E+01	1.13E-03	314
CAN FAT/COLON	0-1609 km	1.0000	1.02E+02	5.97E+01	2.60E+02	3.24E+02	4.33E+02	4.91E+02	5.65E+02	1.13E-03	374
CAN FAT/RESIDUAL	0-1609 km	1.0000	2.06E+02	1.17E+02	5.17E+02	7.07E+02	8.92E+02	9.86E+02	1.14E+03	1.13E-03	314

		PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK PROB	TRIAL
HEALTH EFFECTS LNT ADJ. POP. DOSE (Sv)											
ICRP60ED INJ	0-16.1 km	1.0000	1.15E+03	1.02E+03	1.15E+03	1.21E+03	1.36E+03	1.42E+03	1.87E+03	1.14E-04	4
ICRP60ED INJ	0-32.2 km	1.0000	6.84E+03	6.73E+03	9.26E+03	1.02E+04	1.13E+04	1.18E+04	1.30E+04	1.14E-03	389
ICRP60ED INJ	0-48.3 km	1.0000	1.60E+04	1.29E+04	2.13E+04	2.26E+04	2.62E+04	2.79E+04	3.19E+04	1.12E-03	941
ICRP60ED INJ	0-64.4 km	1.0000	3.05E+04	2.75E+04	4.43E+04	5.12E+04	6.03E+04	6.46E+04	7.27E+04	1.14E-03	387
ICRP60ED INJ	0-80.5 km	1.0000	4.26E+04	3.74E+04	6.20E+04	7.13E+04	8.73E+04	9.53E+04	1.04E+05	1.14E-03	388
ICRP60ED INJ	0-161 km	1.0000	9.92E+04	9.24E+04	1.36E+05	1.56E+05	2.13E+05	2.37E+05	3.00E+05	1.14E-03	387
ICRP60ED INJ	0-322 km	1.0000	1.55E+05	1.24E+05	2.90E+05	3.30E+05	4.24E+05	4.72E+05	5.41E+05	1.15E-03	708
ICRP60ED INJ	0-805 km	1.0000	1.76E+05	1.45E+05	3.09E+05	3.41E+05	4.29E+05	4.74E+05	5.50E+05	1.15E-03	708
ICRP60ED INJ	0-1609 km	1.0000	1.78E+05	1.47E+05	3.09E+05	3.41E+05	4.29E+05	4.74E+05	5.50E+05	1.15E-03	708
ICRP60ED FAT	0-16.1 km	1.0000	1.15E+03	1.02E+03	1.15E+03	1.21E+03	1.36E+03	1.42E+03	1.87E+03	1.14E-04	4
ICRP60ED FAT	0-32.2 km	1.0000	6.84E+03	6.73E+03	9.26E+03	1.02E+04	1.13E+04	1.18E+04	1.30E+04	1.14E-03	389
ICRP60ED FAT	0-48.3 km	1.0000	1.60E+04	1.29E+04	2.13E+04	2.26E+04	2.62E+04	2.79E+04	3.19E+04	1.12E-03	941
ICRP60ED FAT	0-64.4 km	1.0000	3.05E+04	2.75E+04	4.43E+04	5.12E+04	6.03E+04	6.46E+04	7.27E+04	1.14E-03	387
ICRP60ED FAT	0-80.5 km	1.0000	4.26E+04	3.74E+04	6.20E+04	7.13E+04	8.73E+04	9.53E+04	1.04E+05	1.14E-03	388
ICRP60ED FAT	0-161 km	1.0000	9.92E+04	9.24E+04	1.36E+05	1.56E+05	2.13E+05	2.37E+05	3.00E+05	1.14E-03	387
ICRP60ED FAT	0-322 km	1.0000	1.55E+05	1.24E+05	2.90E+05	3.30E+05	4.24E+05	4.72E+05	5.41E+05	1.15E-03	708
ICRP60ED FAT	0-805 km	1.0000	1.76E+05	1.45E+05	3.09E+05	3.41E+05	4.29E+05	4.74E+05	5.50E+05	1.15E-03	708
ICRP60ED FAT	0-1609 km	1.0000	1.78E+05	1.47E+05	3.09E+05	3.41E+05	4.29E+05	4.74E+05	5.50E+05	1.15E-03	708
L-THYROID FAT	0-16.1 km	1.0000	1.08E+03	1.02E+03	1.19E+03	1.27E+03	1.48E+03	1.58E+03	1.82E+03	1.14E-03	390
L-THYROID FAT	0-80.5 km	1.0000	4.52E+04	4.00E+04	6.66E+04	7.47E+04	9.27E+04	1.01E+05	1.13E+05	1.14E-03	388
L-THYROID FAT	0-161 km	1.0000	1.07E+05	1.01E+05	1.49E+05	1.76E+05	2.29E+05	2.49E+05	3.26E+05	1.14E-03	387
L-THYROID FAT	0-1609 km	1.0000	1.98E+05	1.82E+05	3.18E+05	3.49E+05	4.33E+05	4.75E+05	5.73E+05	1.14E-03	387
L-BREAST FAT	0-16.1 km	1.0000	9.94E+02	1.00E+03	1.14E+03	1.20E+03	1.36E+03	1.44E+03	1.62E+03	1.14E-03	2
L-BREAST FAT	0-80.5 km	1.0000	4.11E+04	3.61E+04	6.08E+04	7.05E+04	8.18E+04	8.72E+04	1.01E+05	1.14E-03	388
L-BREAST FAT	0-161 km	1.0000	9.54E+04	8.76E+04	1.33E+05	1.52E+05	2.07E+05	2.30E+05	2.89E+05	1.14E-03	387
L-BREAST FAT	0-1609 km	1.0000	1.68E+05	1.36E+05	3.03E+05	3.36E+05	4.27E+05	4.73E+05	5.40E+05	1.15E-03	708
L-LUNGS FAT	0-16.1 km	1.0000	9.93E+02	1.00E+03	1.10E+03	1.14E+03	1.25E+03	1.30E+03	1.60E+03	1.14E-04	4

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 L-LUNGS     FAT          0-80.5 km  1.0000  4.06E+04  3.60E+04  5.91E+04  6.77E+04  8.02E+04  8.57E+04  9.85E+04  1.14E-03  388
 L-LUNGS     FAT          0-161 km  1.0000  9.45E+04  8.65E+04  1.31E+05  1.50E+05  2.04E+05  2.26E+05  2.83E+05  1.14E-03  387
 L-LUNGS     FAT          0-1609 km  1.0000  1.68E+05  1.37E+05  2.99E+05  3.29E+05  4.09E+05  4.50E+05  5.25E+05  1.15E-03  708
 L-RED MARR  FAT          0-1609 km  1.0000  1.81E+05  1.50E+05  3.09E+05  3.41E+05  4.29E+05  4.74E+05  5.45E+05  1.14E-03  387
 L-BONE SUR  FAT          0-1609 km  1.0000  2.64E+05  2.30E+05  4.46E+05  5.21E+05  6.36E+05  6.92E+05  8.01E+05  1.14E-03  387
 L-LIVER     FAT          0-1609 km  1.0000  1.58E+05  1.29E+05  2.78E+05  3.16E+05  3.81E+05  4.13E+05  4.90E+05  1.15E-03  708
 L-LOWER LI  FAT          0-1609 km  1.0000  1.68E+05  1.39E+05  2.91E+05  3.26E+05  4.08E+05  4.49E+05  5.04E+05  1.14E-03  387
 L-BLAD WAL  FAT          0-1609 km  1.0000  1.49E+05  1.21E+05  2.53E+05  3.03E+05  3.59E+05  3.87E+05  4.52E+05  1.15E-03  708

                          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  2.05E+02  1.94E+02  2.95E+02  3.17E+02  3.65E+02  3.89E+02  4.43E+02  1.12E-03  391
 ICRP60ED    INJ          0-32.2 km  1.0000  3.61E+02  3.20E+02  5.56E+02  6.42E+02  8.68E+02  9.83E+02  1.21E+03  1.13E-03  285
 ICRP60ED    INJ          0-48.3 km  1.0000  4.99E+02  4.19E+02  8.29E+02  9.78E+02  1.22E+03  1.34E+03  1.63E+03  1.14E-03  236
 ICRP60ED    INJ          0-64.4 km  1.0000  6.59E+02  5.49E+02  1.10E+03  1.24E+03  1.65E+03  1.87E+03  2.20E+03  1.14E-03  236
 ICRP60ED    INJ          0-80.5 km  1.0000  8.74E+02  7.19E+02  1.54E+03  2.00E+03  2.38E+03  2.56E+03  3.05E+03  1.14E-03  240
 ICRP60ED    INJ          0-161 km  1.0000  2.74E+03  1.98E+03  6.22E+03  7.78E+03  1.02E+04  1.06E+04  1.13E+04  1.13E-03  374
 ICRP60ED    INJ          0-322 km  1.0000  6.24E+03  4.16E+03  1.37E+04  1.80E+04  2.97E+04  3.44E+04  4.69E+04  1.13E-03  314
 ICRP60ED    INJ          0-805 km  1.0000  8.37E+03  4.86E+03  2.10E+04  2.80E+04  3.59E+04  3.91E+04  4.70E+04  1.13E-03  314
 ICRP60ED    INJ          0-1609 km  1.0000  8.44E+03  4.99E+03  2.10E+04  2.80E+04  3.59E+04  3.91E+04  4.70E+04  1.13E-03  314
 ICRP60ED    FAT          0-16.1 km  1.0000  2.05E+02  1.94E+02  2.95E+02  3.17E+02  3.65E+02  3.89E+02  4.43E+02  1.12E-03  391
 ICRP60ED    FAT          0-32.2 km  1.0000  3.61E+02  3.20E+02  5.56E+02  6.42E+02  8.68E+02  9.83E+02  1.21E+03  1.13E-03  285
 ICRP60ED    FAT          0-48.3 km  1.0000  4.99E+02  4.19E+02  8.29E+02  9.78E+02  1.22E+03  1.34E+03  1.63E+03  1.14E-03  236
 ICRP60ED    FAT          0-64.4 km  1.0000  6.59E+02  5.49E+02  1.10E+03  1.24E+03  1.65E+03  1.87E+03  2.20E+03  1.14E-03  236
 ICRP60ED    FAT          0-80.5 km  1.0000  8.74E+02  7.19E+02  1.54E+03  2.00E+03  2.38E+03  2.56E+03  3.05E+03  1.14E-03  240
 ICRP60ED    FAT          0-161 km  1.0000  2.74E+03  1.98E+03  6.22E+03  7.78E+03  1.02E+04  1.06E+04  1.13E+04  1.13E-03  374
 ICRP60ED    FAT          0-322 km  1.0000  6.24E+03  4.16E+03  1.37E+04  1.80E+04  2.97E+04  3.44E+04  4.69E+04  1.13E-03  314
 ICRP60ED    FAT          0-805 km  1.0000  8.37E+03  4.86E+03  2.10E+04  2.80E+04  3.59E+04  3.91E+04  4.70E+04  1.13E-03  314
 ICRP60ED    FAT          0-1609 km  1.0000  8.44E+03  4.99E+03  2.10E+04  2.80E+04  3.59E+04  3.91E+04  4.70E+04  1.13E-03  314
 L-THYROID   FAT          0-16.1 km  1.0000  2.26E+02  2.06E+02  3.33E+02  3.80E+02  5.12E+02  5.66E+02  7.03E+02  1.14E-03  351
 L-THYROID   FAT          0-80.5 km  1.0000  1.77E+03  1.24E+03  3.60E+03  4.61E+03  6.06E+03  6.67E+03  8.06E+03  1.14E-03  236
 L-THYROID   FAT          0-161 km  1.0000  5.67E+03  3.56E+03  1.30E+04  1.70E+04  2.20E+04  2.33E+04  2.63E+04  1.13E-03  268
 L-THYROID   FAT          0-1609 km  1.0000  1.61E+04  8.24E+03  3.93E+04  5.05E+04  6.36E+04  7.05E+04  1.03E+05  1.13E-03  314
 L-BREAST    FAT          0-16.1 km  1.0000  1.55E+02  1.28E+02  2.11E+02  2.25E+02  2.62E+02  2.79E+02  3.25E+02  1.12E-03  391
 L-BREAST    FAT          0-80.5 km  1.0000  6.66E+02  5.52E+02  1.13E+03  1.30E+03  1.79E+03  2.02E+03  2.25E+03  1.14E-03  240
 L-BREAST    FAT          0-161 km  1.0000  2.10E+03  1.49E+03  4.67E+03  5.83E+03  7.43E+03  7.77E+03  8.54E+03  1.13E-03  374
 L-BREAST    FAT          0-1609 km  1.0000  6.39E+03  3.81E+03  1.58E+04  2.10E+04  2.80E+04  3.09E+04  3.54E+04  1.13E-03  314
 L-LUNGS     FAT          0-16.1 km  1.0000  1.73E+02  1.47E+02  2.36E+02  2.62E+02  3.16E+02  3.31E+02  3.68E+02  1.12E-03  391
 L-LUNGS     FAT          0-80.5 km  1.0000  7.78E+02  6.36E+02  1.33E+03  1.64E+03  2.18E+03  2.31E+03  2.64E+03  1.14E-03  240
 L-LUNGS     FAT          0-161 km  1.0000  2.42E+03  1.76E+03  5.33E+03  6.65E+03  8.04E+03  8.60E+03  9.92E+03  1.13E-03  374
 L-LUNGS     FAT          0-1609 km  1.0000  7.41E+03  4.37E+03  1.85E+04  2.36E+04  3.26E+04  3.50E+04  4.08E+04  1.13E-03  314
 L-RED MARR  FAT          0-1609 km  1.0000  8.27E+03  5.03E+03  2.06E+04  2.67E+04  3.46E+04  3.74E+04  4.40E+04  1.13E-03  374
 L-BONE SUR  FAT          0-1609 km  1.0000  9.31E+03  5.72E+03  2.29E+04  3.05E+04  3.73E+04  4.06E+04  4.88E+04  1.13E-03  374
 L-LIVER     FAT          0-1609 km  1.0000  7.87E+03  4.52E+03  1.99E+04  2.51E+04  3.39E+04  3.68E+04  4.36E+04  1.13E-03  314
 L-LOWER LI  FAT          0-1609 km  1.0000  9.83E+03  5.75E+03  2.49E+04  3.17E+04  4.16E+04  4.68E+04  5.44E+04  1.13E-03  374
 L-BLAD WAL  FAT          0-1609 km  1.0000  8.36E+03  4.92E+03  2.08E+04  2.82E+04  3.58E+04  3.89E+04  4.64E+04  1.13E-03  314

                          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  1.95E+03  1.98E+03  2.32E+03  2.48E+03  2.88E+03  3.02E+03  3.11E+03  1.14E-03  515
 L-ICRP60ED  TOT LIF      0-80.5 km  1.0000  4.29E+04  3.77E+04  6.23E+04  7.12E+04  8.50E+04  9.17E+04  1.03E+05  1.14E-03  388
 L-ICRP60ED  TOT LIF      0-161 km  1.0000  9.85E+04  9.22E+04  1.35E+05  1.55E+05  2.10E+05  2.34E+05  2.95E+05  1.14E-03  387
 L-ICRP60ED  TOT LIF      0-1609 km  1.0000  1.76E+05  1.47E+05  3.07E+05  3.39E+05  4.28E+05  4.74E+05  5.42E+05  1.15E-03  708

                          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  4.19E-07  3.41E-07  7.44E-07  8.99E-07  1.20E-06  1.33E-06  2.05E-06  3.23E-04  488
 CAN FAT/TOTAL            0-32.2 km  1.0000  9.00E-07  2.09E-07  2.13E-06  3.49E-06  1.11E-05  1.33E-05  1.96E-05  1.14E-03  236
 CAN FAT/TOTAL            0-48.3 km  1.0000  3.85E-07  7.79E-08  8.53E-07  1.70E-06  5.41E-06  6.80E-06  1.10E-05  1.15E-03  932
 CAN FAT/TOTAL            0-64.4 km  1.0000  1.55E-07  3.05E-08  3.55E-07  6.77E-07  2.15E-06  2.67E-06  4.41E-06  1.15E-03  932
 CAN FAT/TOTAL            0-80.5 km  1.0000  9.81E-08  1.92E-08  2.23E-07  4.31E-07  1.28E-06  1.71E-06  2.80E-06  1.15E-03  932
 CAN FAT/TOTAL            0-161 km  1.0000  2.84E-08  5.74E-09  6.25E-08  1.24E-07  3.65E-07  4.87E-07  8.10E-07  1.15E-03  932
 CAN FAT/TOTAL            0-322 km  1.0000  1.11E-08  2.25E-09  2.49E-08  4.94E-08  1.43E-07  1.93E-07  3.17E-07  1.15E-03  932
 CAN FAT/TOTAL            0-805 km  1.0000  4.93E-09  9.68E-10  1.15E-08  2.20E-08  7.30E-08  8.95E-08  1.41E-07  1.15E-03  932
 CAN FAT/TOTAL            0-1609 km  1.0000  2.78E-09  5.65E-10  6.19E-09  1.24E-08  3.64E-08  4.82E-08  7.94E-08  1.15E-03  932
 CAN FAT/TOTAL           16.1-32.2 km  0.9304  9.50E-07  1.68E-07  2.25E-06  4.03E-06  1.36E-05  1.91E-05  2.16E-05  1.14E-03  236
 CAN FAT/TOTAL           32.2-48.3 km  0.1304  1.30E-07  0.00E+00  1.07E-08  2.24E-07  3.93E-06  5.27E-06  8.28E-06  2.28E-03  740
 CAN FAT/TOTAL           48.3-64.4 km  0.0011  8.78E-13  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  7.76E-10  1.13E-03  334
 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  2.26E+00  2.04E+00  3.40E+00  4.02E+00  5.56E+00  6.20E+00  8.14E+00  1.14E-03  390
 L-ICRP60ED               0.2-0.5 km  1.0000  9.45E-01  8.27E-01  1.35E+00  1.61E+00  2.17E+00  2.34E+00  2.85E+00  8.56E-04  202
 L-ICRP60ED               0.5-1.2 km  1.0000  5.74E-01  5.17E-01  9.00E-01  1.04E+00  1.25E+00  1.36E+00  1.61E+00  1.14E-03  547
 L-ICRP60ED               1.2-1.6 km  1.0000  4.23E-01  3.66E-01  6.69E-01  7.52E-01  9.28E-01  1.02E+00  1.21E+00  1.13E-03  979
 L-ICRP60ED               1.6-2.1 km  1.0000  3.54E-01  3.18E-01  5.37E-01  6.05E-01  7.67E-01  8.35E-01  1.09E+00  1.13E-03  979
 L-ICRP60ED               2.1-3.2 km  1.0000  3.19E-01  3.04E-01  4.59E-01  5.18E-01  6.06E-01  6.48E-01  7.28E-01  1.13E-03  979
 L-ICRP60ED               3.2-4.0 km  1.0000  2.66E-01  2.37E-01  3.39E-01  3.73E-01  4.63E-01  5.04E-01  5.55E-01  1.13E-03  979
 L-ICRP60ED               4.0-4.8 km  1.0000  2.38E-01  2.19E-01  3.09E-01  3.33E-01  3.93E-01  4.23E-01  4.93E-01  1.14E-03  757
 L-ICRP60ED               4.8-5.6 km  1.0000  2.15E-01  2.07E-01  2.71E-01  3.02E-01  3.37E-01  3.53E-01  3.91E-01  1.14E-03  937
 L-ICRP60ED               5.6-8.1 km  1.0000  1.60E-01  1.29E-01  2.08E-01  2.19E-01  2.47E-01  2.60E-01  2.91E-01  1.14E-03  461
 L-ICRP60ED               8.1-11.3 km  1.0000  1.05E-01  1.02E-01  1.16E-01  1.22E-01  1.38E-01  1.46E-01  1.64E-01  1.14E-03  690
 L-ICRP60ED              11.3-16.1 km  1.0000  8.61E-02  7.88E-02  1.03E-01  1.06E-01  1.15E-01  1.19E-01  1.28E-01  1.14E-03  513
 L-ICRP60ED              16.1-20.9 km  1.0000  6.78E-02  6.17E-02  7.82E-02  8.33E-02  9.66E-02  1.01E-01  1.04E-01  1.13E-03  167
 L-ICRP60ED              20.9-25.8 km  1.0000  5.99E-02  5.38E-02  6.48E-02  7.02E-02  8.13E-02  8.66E-02  9.91E-02  1.14E-03  329
 L-ICRP60ED              25.8-32.2 km  1.0000  5.63E-02  5.22E-02  5.93E-02  6.26E-02  7.12E-02  7.54E-02  8.53E-02  1.14E-03  331
 L-ICRP60ED              32.2-40.2 km  1.0000  5.24E-02  5.05E-02  5.36E-02  5.50E-02  5.85E-02  6.00E-02  6.65E-02  3.23E-04   93
 L-ICRP60ED              40.2-48.3 km  1.0000  4.91E-02  4.37E-02  5.28E-02  5.42E-02  5.78E-02  5.94E-02  6.29E-02  1.14E-03  189
 L-ICRP60ED              48.3-64.4 km  1.0000  4.52E-02  3.58E-02  5.07E-02  5.22E-02  5.60E-02  5.77E-02  6.14E-02  1.15E-03  738
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 L-ICRP60ED          64.4-80.5 km  1.0000  4.28E-02  3.33E-02  4.28E-02  4.77E-02  5.18E-02  5.27E-02  5.82E-02  1.14E-04   78
 L-ICRP60ED           80.5-113 km  1.0000  3.92E-02  3.15E-02  3.63E-02  3.86E-02  4.45E-02  4.73E-02  5.69E-02  3.71E-04   82
 L-ICRP60ED           113-161 km  1.0000  3.26E-02  3.04E-02  3.46E-02  3.66E-02  4.16E-02  4.40E-02  4.95E-02  1.14E-03  458
 L-ICRP60ED           161-241 km  1.0000  2.01E-02  1.72E-02  3.14E-02  3.36E-02  3.91E-02  4.18E-02  4.81E-02  1.13E-03  524
 L-ICRP60ED           241-322 km  1.0000  1.07E-02  9.18E-03  1.88E-02  2.25E-02  3.08E-02  3.31E-02  4.41E-02  3.04E-04  632
 L-ICRP60ED           322-563 km  1.0000  4.24E-03  3.51E-03  7.76E-03  9.66E-03  1.33E-02  1.51E-02  2.04E-02  1.14E-03  505
 L-ICRP60ED           563-805 km  1.0000  1.90E-03  1.42E-03  3.75E-03  4.67E-03  7.88E-03  9.72E-03  1.19E-02  1.13E-03  334
 L-ICRP60ED           805-1609 km  1.0000  2.28E-04  6.90E-05  6.43E-04  9.24E-04  1.49E-03  1.80E-03  2.27E-03  1.13E-03  761

                          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  5.07E+04  5.07E+04  6.04E+04  6.51E+04  7.15E+04    ****    7.17E+04  9.05E-03    2
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  1.85E+05 Bq/m2   1.0000  4.62E+04  4.47E+04  5.63E+04  5.95E+04  6.79E+04  7.03E+04  7.17E+04  1.14E-03  388
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  5.55E+05 Bq/m2   1.0000  4.09E+04  3.67E+04  5.28E+04  5.50E+04  6.06E+04  6.32E+04  6.91E+04  1.14E-03  388
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  1.48E+06 Bq/m2   1.0000  3.40E+04  3.17E+04  4.33E+04  4.95E+04  5.44E+04  5.65E+04  6.12E+04  1.14E-03  389
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  3.70E+04 Bq/m2   1.0000  9.42E+05  9.23E+05  1.14E+06  1.21E+06  1.40E+06  1.49E+06  1.70E+06  1.14E-03  386
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  1.85E+05 Bq/m2   1.0000  6.39E+05  6.02E+05  8.48E+05  9.42E+05  1.12E+06  1.20E+06  1.38E+06  1.14E-03  386
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  5.55E+05 Bq/m2   1.0000  3.98E+05  3.46E+05  5.22E+05  5.73E+05  7.12E+05  7.77E+05  9.37E+05  1.14E-03  389
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  1.48E+06 Bq/m2   1.0000  2.02E+05  1.94E+05  2.53E+05  2.81E+05  3.52E+05  3.87E+05  4.75E+05  1.14E-03  389
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  3.70E+04 Bq/m2   1.0000  2.76E+06  2.59E+06  3.50E+06  3.79E+06  4.57E+06  4.95E+06  5.72E+06  1.14E-03  386
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  1.85E+05 Bq/m2   1.0000  1.42E+06  1.18E+06  1.88E+06  2.09E+06  2.44E+06  2.61E+06  3.08E+06  1.14E-03  386
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  5.55E+05 Bq/m2   1.0000  6.25E+05  5.76E+05  8.38E+05  9.49E+05  1.12E+06  1.19E+06  1.36E+06  1.14E-03  984
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  1.48E+06 Bq/m2   1.0000  2.30E+05  2.13E+05  3.15E+05  3.44E+05  4.22E+05  4.61E+05  5.47E+05  1.43E-04   76
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  3.70E+04 Bq/m2   1.0000  8.11E+06  7.33E+06  1.16E+07  1.28E+07  1.61E+07  1.78E+07  2.23E+07  1.14E-03  228
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  1.85E+05 Bq/m2   1.0000  2.02E+06  1.84E+06  2.74E+06  3.08E+06  3.67E+06  3.96E+06  4.98E+06  5.99E-04  382
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  5.55E+05 Bq/m2   1.0000  6.70E+05  6.15E+05  9.55E+05  1.05E+06  1.23E+06  1.31E+06  1.52E+06  1.14E-03  984
 AREA (ha) THAT EXCEEDS THRESHOLD
 Cs-137  Area exceeds  1.48E+06 Bq/m2   1.0000  2.30E+05  2.13E+05  3.15E+05  3.44E+05  4.22E+05  4.61E+05  5.47E+05  1.43E-04   76

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

  "ATMOS"  DESCRIPTION = OCP1 high density uniform no spray
  "EARLY"  DESCRIPTION = OCP1 high density uniform no spray, EARLY input

SOURCE TERM  1 OF  1:
   OCP1 high density uniform 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
 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
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 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
 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  1.30E-03  1.11E-03  2.05E-03  2.42E-03  3.41E-03  3.85E-03  5.14E-03  1.13E-03  334
 L-ICRP60ED             80.5-113 km  1.0000  7.83E-04  7.02E-04  1.18E-03  1.39E-03  2.01E-03  2.28E-03  2.99E-03  1.13E-03  334
 L-ICRP60ED             113-161 km  1.0000  4.36E-04  3.75E-04  6.88E-04  7.80E-04  1.03E-03  1.17E-03  1.52E-03  1.14E-03  329
 L-ICRP60ED             161-241 km  1.0000  2.24E-04  2.02E-04  3.48E-04  4.06E-04  5.59E-04  6.27E-04  9.10E-04  1.14E-03  329
 L-ICRP60ED             241-322 km  1.0000  1.20E-04  1.04E-04  2.03E-04  2.36E-04  3.19E-04  3.49E-04  5.58E-04  3.04E-04  633
 L-ICRP60ED             322-563 km  1.0000  4.93E-05  4.13E-05  8.44E-05  1.03E-04  1.48E-04  1.72E-04  2.17E-04  1.13E-03  631
 L-ICRP60ED             563-805 km  1.0000  1.83E-05  1.40E-05  3.47E-05  4.43E-05  7.00E-05  7.84E-05  1.03E-04  1.13E-03  334
 L-ICRP60ED             805-1609 km  1.0000  2.74E-06  1.17E-06  7.38E-06  1.02E-05  1.47E-05  1.72E-05  2.92E-05  1.13E-03  631

                          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  0.0000  0.00E+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
 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 = OCP1 high density uniform no spray
  "EARLY"  DESCRIPTION = OCP1 high density uniform no spray, EARLY input

SOURCE TERM  1 OF  1:
   OCP1 high density uniform 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
 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
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 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
 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)
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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 1.43E-03 1.18E-03 2.22E-03 2.66E-03 3.57E-03 3.98E-03 5.88E-03 1.13E-03  334
L-ICRP60ED          80.5-113 km  1.0000 8.57E-04 7.62E-04 1.29E-03 1.53E-03 2.17E-03 2.40E-03 3.39E-03 1.13E-03  334
L-ICRP60ED          113-161 km  1.0000 4.79E-04 4.09E-04 7.43E-04 8.54E-04 1.15E-03 1.31E-03 1.69E-03 1.14E-03  329
L-ICRP60ED          161-241 km  1.0000 2.46E-04 2.18E-04 3.88E-04 4.67E-04 6.95E-04 7.78E-04 9.83E-04 1.14E-03  329
L-ICRP60ED          241-322 km  1.0000 1.32E-04 1.11E-04 2.20E-04 2.59E-04 3.35E-04 3.63E-04 5.68E-04 3.04E-04  633
L-ICRP60ED          322-563 km  1.0000 5.41E-05 4.49E-05 9.45E-05 1.13E-04 1.62E-04 1.90E-04 2.44E-04 1.13E-03  631
L-ICRP60ED          563-805 km  1.0000 1.97E-05 1.54E-05 3.81E-05 4.93E-05 7.29E-05 8.93E-05 1.10E-04 1.13E-03  334
L-ICRP60ED          805-1609 km  1.0000 2.95E-06 1.24E-06 7.85E-06 1.05E-05 1.66E-05 2.02E-05 2.97E-05 1.13E-03  631

                     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  0.0000 0.00E+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
 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 = OCP1 high density uniform no spray
  "EARLY"  DESCRIPTION = OCP1 high density uniform no spray, EARLY input

SOURCE TERM  1 OF  1:
   OCP1 high density uniform 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
 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
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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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+00	0

		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	0.0000	0.00E+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 NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK 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

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK 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
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
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

	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	0.0011	9.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04	1.14E-03 648
L-ICRP60ED TOT LIF	0-80.5 km	0.0011	9.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04	1.14E-03 648
L-ICRP60ED TOT LIF	0-161 km	0.0011	9.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04	1.14E-03 648
L-ICRP60ED TOT LIF	0-1609 km	0.0011	9.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04	1.14E-03 648

	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	0.0000	0.00E+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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK 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
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
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
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
L-ICRP60ED	1.6-2.1 km	0.0011	9.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-06	1.14E-03 648
L-ICRP60ED	2.1-3.2 km	0.0011	1.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-06	1.14E-03 648

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	0.0011	8.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-06	1.14E-03		648
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	0.0011	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	1.14E-03		648	
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	1.30E-03	1.11E-03	2.05E-03	2.42E-03	3.41E-03	3.85E-03	5.14E-03	1.13E-03		334	
L-ICRP60ED	80.5-113 km	1.0000	7.83E-04	7.02E-04	1.18E-03	1.39E-03	2.01E-03	2.28E-03	2.99E-03	1.13E-03		334	
L-ICRP60ED	113-161 km	1.0000	4.36E-04	3.75E-04	6.88E-04	7.80E-04	1.03E-03	1.17E-03	1.52E-03	1.14E-03		329	
L-ICRP60ED	161-241 km	1.0000	2.24E-04	2.02E-04	3.48E-04	4.06E-04	5.59E-04	6.27E-04	9.10E-04	1.14E-03		329	
L-ICRP60ED	241-322 km	1.0000	1.20E-04	1.04E-04	2.03E-04	2.36E-04	3.19E-04	3.49E-04	5.58E-04	3.04E-04		633	
L-ICRP60ED	322-563 km	1.0000	4.93E-05	4.13E-05	8.44E-05	1.03E-04	1.48E-04	1.72E-04	2.17E-04	1.13E-03		631	
L-ICRP60ED	563-805 km	1.0000	1.83E-05	1.40E-05	3.47E-05	4.43E-05	7.00E-05	7.84E-05	1.03E-04	1.13E-03		334	
L-ICRP60ED	805-1609 km	1.0000	2.74E-06	1.17E-06	7.38E-06	1.02E-05	1.47E-05	1.72E-05	2.92E-05	1.13E-03		631	

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
DOSE FOUND AT ALL LOCATIONS (Sv)										
AREA (ha) THAT EXCEEDS THRESHOLD										
L-ICRP60ED Area exceeds 1.00E-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										
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 = OCP1 high density uniform no spray
"EARLY" DESCRIPTION = OCP1 high density uniform no spray, EARLY input

SOURCE TERM 1 OF 1:
OCP1 high density uniform no spray

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

COHORT 4 = 10-20 Shadow

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK 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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

	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	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	0.00E+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 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	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
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
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
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
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

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK 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

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK 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
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
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

	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	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-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
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
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

	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	0.0000	0.00E+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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK 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
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
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
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
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
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
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
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
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
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
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
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

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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  1.43E-03  1.18E-03  2.22E-03  2.66E-03  3.57E-03  3.98E-03  5.88E-03  1.13E-03  334
L-ICRP60ED          80.5-113 km   1.0000  8.57E-04  7.62E-04  1.29E-03  1.53E-03  2.17E-03  2.40E-03  3.39E-03  1.13E-03  334
L-ICRP60ED           113-161 km   1.0000  4.79E-04  4.09E-04  7.43E-04  8.54E-04  1.15E-03  1.31E-03  1.69E-03  1.14E-03  329
L-ICRP60ED           161-241 km   1.0000  2.46E-04  2.18E-04  3.88E-04  4.67E-04  6.95E-04  7.78E-04  9.83E-04  1.14E-03  329
L-ICRP60ED           241-322 km   1.0000  1.32E-04  1.11E-04  2.20E-04  2.59E-04  3.35E-04  3.63E-04  5.68E-04  3.04E-04  633
L-ICRP60ED           322-563 km   1.0000  5.41E-05  4.49E-05  9.45E-05  1.13E-04  1.62E-04  1.90E-04  2.44E-04  1.13E-03  631
L-ICRP60ED           563-805 km   1.0000  1.97E-05  1.54E-05  3.81E-05  4.93E-05  7.29E-05  8.93E-05  1.10E-04  1.13E-03  334
L-ICRP60ED          805-1609 km   1.0000  2.95E-06  1.24E-06  7.85E-06  1.05E-05  1.66E-05  2.02E-05  2.97E-05  1.13E-03  631

                          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  0.0000  0.00E+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
 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 = OCP1 high density uniform no spray
  "EARLY"  DESCRIPTION = OCP1 high density uniform no spray, EARLY input

SOURCE TERM  1 OF  1:
   OCP1 high density uniform 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
 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
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 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
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  0.1639  1.94E-03  0.00E+00  4.18E-04  5.80E-03  5.53E-02  7.92E-02  1.62E-01  3.23E-04  488
 L-ICRP60ED  TOT LIF      0-80.5 km  0.1639  1.94E-03  0.00E+00  4.18E-04  5.80E-03  5.53E-02  7.92E-02  1.62E-01  3.23E-04  488
 L-ICRP60ED  TOT LIF       0-161 km  0.1639  1.94E-03  0.00E+00  4.18E-04  5.80E-03  5.53E-02  7.92E-02  1.62E-01  3.23E-04  488
 L-ICRP60ED  TOT LIF      0-1609 km  0.1639  1.94E-03  0.00E+00  4.18E-04  5.80E-03  5.53E-02  7.92E-02  1.62E-01  3.23E-04  488

                          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  0.1264  7.66E-04  0.00E+00  1.24E-03  5.02E-03  1.62E-02  2.58E-02  5.85E-02  1.09E-03  287
 L-ICRP60ED               0.2-0.5 km  0.1229  7.21E-04  0.00E+00  1.15E-03  4.23E-03  1.63E-02  2.58E-02  5.69E-02  1.09E-03  287
 L-ICRP60ED               0.5-1.2 km  0.1172  6.28E-04  0.00E+00  7.99E-04  3.42E-03  1.42E-02  2.58E-02  5.60E-02  1.09E-03  287
 L-ICRP60ED               1.2-1.6 km  0.1098  5.66E-04  0.00E+00  4.45E-04  2.90E-03  9.80E-03  2.33E-02  4.90E-02  1.09E-03  287
 L-ICRP60ED               1.6-2.1 km  0.1305  6.84E-04  0.00E+00  1.17E-03  3.81E-03  1.40E-02  3.09E-02  4.59E-02  1.09E-03  287
 L-ICRP60ED               2.1-3.2 km  0.1223  6.10E-04  0.00E+00  7.91E-04  3.03E-03  1.46E-02  3.06E-02  4.09E-02  1.09E-03  287
 L-ICRP60ED               3.2-4.0 km  0.1444  5.47E-04  0.00E+00  9.91E-04  2.96E-03  1.08E-02  2.20E-02  3.31E-02  1.09E-03   97
 L-ICRP60ED               4.0-4.8 km  0.1345  3.94E-04  0.00E+00  6.28E-04  2.27E-03  8.35E-03  1.26E-02  2.25E-02  1.09E-03   97
 L-ICRP60ED               4.8-5.6 km  0.1231  3.02E-04  0.00E+00  4.10E-04  1.76E-03  6.12E-03  9.10E-03  1.94E-02  1.09E-03   97
 L-ICRP60ED               5.6-8.1 km  0.1059  2.44E-04  0.00E+00  7.76E-05  1.42E-03  4.96E-03  8.63E-03  2.27E-02  1.09E-03   97
 L-ICRP60ED               8.1-11.3 km  0.0783  1.41E-04  0.00E+00  0.00E+00  5.33E-04  3.78E-03  6.78E-03  1.12E-02  1.14E-03   98
 L-ICRP60ED              11.3-16.1 km  0.0466  7.65E-05  0.00E+00  0.00E+00  0.00E+00  1.82E-03  3.61E-03  1.13E-02  1.14E-03   98
 L-ICRP60ED              16.1-20.9 km  0.0362  4.01E-05  0.00E+00  0.00E+00  0.00E+00  8.87E-04  2.62E-03  7.39E-03  1.14E-03  528
 L-ICRP60ED              20.9-25.8 km  0.0183  2.02E-05  0.00E+00  0.00E+00  0.00E+00  2.18E-04  1.09E-03  6.63E-03  1.14E-03  528
 L-ICRP60ED              25.8-32.2 km  0.0135  7.85E-06  0.00E+00  0.00E+00  0.00E+00  3.36E-05  1.58E-04  3.10E-03  1.14E-03  528
 L-ICRP60ED              32.2-40.2 km  0.0091  3.88E-06  0.00E+00  0.00E+00  0.00E+00  0.00E+00  1.73E-04  1.38E-03  1.14E-03  648
 L-ICRP60ED              40.2-48.3 km  0.0080  6.35E-06  0.00E+00  0.00E+00  0.00E+00  0.00E+00  1.03E-04  2.77E-03  1.14E-03  528
 L-ICRP60ED              48.3-64.4 km  0.0018  8.00E-07  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  6.87E-04  1.14E-03  648
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L-ICRP60ED	64.4-80.5 km	1.0000	7.53E-04	6.68E-04	1.16E-03	1.38E-03	2.05E-03	2.31E-03	3.13E-03	1.13E-03	334
L-ICRP60ED	80.5-113 km	1.0000	4.52E-04	3.86E-04	7.02E-04	8.11E-04	1.14E-03	1.32E-03	1.83E-03	1.13E-03	334
L-ICRP60ED	113-161 km	1.0000	2.55E-04	2.25E-04	3.82E-04	4.56E-04	6.65E-04	7.58E-04	9.73E-04	1.14E-03	329
L-ICRP60ED	161-241 km	1.0000	1.34E-04	1.13E-04	2.13E-04	2.48E-04	3.56E-04	4.17E-04	5.80E-04	1.14E-03	329
L-ICRP60ED	241-322 km	1.0000	7.33E-05	6.41E-05	1.20E-04	1.42E-04	2.04E-04	2.20E-04	3.26E-04	3.04E-04	633
L-ICRP60ED	322-563 km	1.0000	3.07E-05	2.59E-05	5.35E-05	6.45E-05	1.00E-04	1.10E-04	1.36E-04	1.13E-03	631
L-ICRP60ED	563-805 km	1.0000	1.08E-05	8.84E-06	2.16E-05	2.71E-05	4.45E-05	5.13E-05	5.83E-05	1.13E-03	631
L-ICRP60ED	805-1609 km	1.0000	1.70E-06	7.89E-07	4.42E-06	6.04E-06	9.29E-06	1.12E-05	1.80E-05	1.13E-03	631

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
DOSE FOUND AT ALL LOCATIONS (Sv)										
AREA (ha) THAT EXCEEDS THRESHOLD										
L-ICRP60ED Area exceeds 1.00E-02 Sv	0.0202	7.12E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E+01	4.79E+02	2.02E+03	3.23E-04 488
AREA (ha) THAT EXCEEDS THRESHOLD										
L-ICRP60ED Area exceeds 5.00E-02 Sv	0.0011	1.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E+01	1.09E-03 287	
AREA (ha) THAT EXCEEDS THRESHOLD										
A-THYROID Area exceeds 5.00E-02 Sv	0.0105	9.53E-01	0.00E+00	0.00E+00	0.00E+00	5.84E-01	7.54E+01	2.57E+02	1.14E-03 486	

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

"ATMOS" DESCRIPTION = OCP1 high density uniform no spray
"EARLY" DESCRIPTION = OCP1 high density uniform no spray, EARLY input

SOURCE TERM 1 OF 1:
OCP1 high density uniform no spray

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

COHORT 6 = 0-10 Evacuation Tail

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK 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 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	0.0000	0.00E+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

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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
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  0.2081  5.50E-02  0.00E+00  3.86E-02  2.52E-01  1.35E+00  1.96E+00  3.32E+00  3.23E-04  488
L-ICRP60ED  TOT LIF      0-80.5 km  0.2081  5.50E-02  0.00E+00  3.86E-02  2.52E-01  1.35E+00  1.96E+00  3.32E+00  3.23E-04  488
L-ICRP60ED  TOT LIF      0-161 km  0.2081  5.50E-02  0.00E+00  3.86E-02  2.52E-01  1.35E+00  1.96E+00  3.32E+00  3.23E-04  488
L-ICRP60ED  TOT LIF      0-1609 km  0.2081  5.50E-02  0.00E+00  3.86E-02  2.52E-01  1.35E+00  1.96E+00  3.32E+00  3.23E-04  488

                          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  0.1799  1.44E-03  0.00E+00  3.15E-03  7.98E-03  2.72E-02  3.74E-02  8.29E-02  3.71E-04   89
L-ICRP60ED               0.2-0.5 km  0.1727  1.32E-03  0.00E+00  2.60E-03  7.45E-03  2.68E-02  3.74E-02  7.66E-02  3.71E-04   89
L-ICRP60ED               0.5-1.2 km  0.1610  1.19E-03  0.00E+00  2.13E-03  7.13E-03  2.88E-02  3.85E-02  7.41E-02  1.09E-03  287
L-ICRP60ED               1.2-1.6 km  0.1507  1.02E-03  0.00E+00  1.82E-03  6.63E-03  2.29E-02  3.35E-02  6.41E-02  1.09E-03  287
L-ICRP60ED               1.6-2.1 km  0.1723  1.26E-03  0.00E+00  2.72E-03  7.45E-03  2.73E-02  4.22E-02  5.86E-02  1.09E-03  287
L-ICRP60ED               2.1-3.2 km  0.1549  1.02E-03  0.00E+00  2.23E-03  6.04E-03  2.20E-02  3.16E-02  5.66E-02  1.09E-03  287
L-ICRP60ED               3.2-4.0 km  0.1919  9.70E-04  0.00E+00  2.51E-03  5.71E-03  2.14E-02  3.08E-02  4.43E-02  1.09E-03  287
L-ICRP60ED               4.0-4.8 km  0.1823  8.13E-04  0.00E+00  2.11E-03  5.14E-03  1.35E-02  2.75E-02  3.53E-02  1.09E-03   97
L-ICRP60ED               4.8-5.6 km  0.1594  6.57E-04  0.00E+00  1.46E-03  3.62E-03  1.31E-02  2.29E-02  3.56E-02  1.09E-03   97
L-ICRP60ED               5.6-8.1 km  0.1343  3.95E-04  0.00E+00  6.47E-04  2.33E-03  8.62E-03  1.33E-02  2.15E-02  1.14E-03  486
L-ICRP60ED               8.1-11.3 km  0.1131  2.53E-04  0.00E+00  1.45E-04  1.46E-03  4.95E-03  8.49E-03  2.16E-02  1.09E-03   97
L-ICRP60ED              11.3-16.1 km  0.0808  1.25E-04  0.00E+00  0.00E+00  4.68E-04  3.72E-03  5.23E-03  9.89E-03  1.14E-03   98
L-ICRP60ED              16.1-20.9 km  0.0438  6.37E-05  0.00E+00  0.00E+00  0.00E+00  1.51E-03  3.06E-03  1.10E-02  1.14E-03  528
L-ICRP60ED              20.9-25.8 km  0.0254  3.05E-05  0.00E+00  0.00E+00  0.00E+00  6.19E-04  2.40E-03  7.39E-03  1.14E-03  528
L-ICRP60ED              25.8-32.2 km  0.0183  1.31E-05  0.00E+00  0.00E+00  0.00E+00  1.62E-04  1.02E-03  3.63E-03  1.14E-03  528
L-ICRP60ED              32.2-40.2 km  0.0094  5.02E-06  0.00E+00  0.00E+00  0.00E+00  0.00E+00  3.59E-04  1.56E-03  1.14E-03  648
L-ICRP60ED              40.2-48.3 km  0.0083  5.85E-06  0.00E+00  0.00E+00  0.00E+00  0.00E+00  1.74E-04  2.63E-03  1.14E-03  528
L-ICRP60ED              48.3-64.4 km  0.0021  8.71E-07  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  7.19E-04  1.14E-03  648
L-ICRP60ED              64.4-80.5 km  1.0000  1.43E-03  1.18E-03  2.22E-03  2.66E-03  3.57E-03  3.98E-03  5.88E-03  1.13E-03  334
L-ICRP60ED              80.5-113 km  1.0000  8.57E-04  7.62E-04  1.29E-03  1.53E-03  2.17E-03  2.40E-03  3.39E-03  1.13E-03  334
L-ICRP60ED              113-161 km  1.0000  4.79E-04  4.09E-04  7.43E-04  8.54E-04  1.15E-03  1.31E-03  1.69E-03  1.14E-03  329
L-ICRP60ED              161-241 km  1.0000  2.46E-04  2.18E-04  3.88E-04  4.67E-04  6.95E-04  7.78E-04  9.83E-04  1.14E-03  329
L-ICRP60ED              241-322 km  1.0000  1.32E-04  1.11E-04  2.20E-04  2.59E-04  3.35E-04  3.63E-04  5.68E-04  3.04E-04  633
L-ICRP60ED              322-563 km  1.0000  5.41E-05  4.49E-05  9.45E-05  1.13E-04  1.62E-04  1.90E-04  2.44E-04  1.13E-03  631
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 L-ICRP60ED            563-805 km  1.0000  1.97E-05  1.54E-05  3.81E-05  4.93E-05  7.29E-05  8.93E-05  1.10E-04  1.13E-03  334
 L-ICRP60ED            805-1609 km  1.0000  2.95E-06  1.24E-06  7.85E-06  1.05E-05  1.66E-05  2.02E-05  2.97E-05  1.13E-03  631

                          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  0.0453  1.32E+01  0.00E+00  0.00E+00  0.00E+00  3.60E+02  1.04E+03  3.15E+03  3.23E-04  488
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   5.00E-02 Sv  0.0037  2.64E-01  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  2.21E+02  1.09E-03  287
 AREA (ha) THAT EXCEEDS THRESHOLD
 A-THYROID  Area exceeds   5.00E-02 Sv  0.0200  2.38E+00  0.00E+00  0.00E+00  0.00E+00  5.26E+01  2.10E+02  5.04E+02  1.09E-03  287

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

  "ATMOS"  DESCRIPTION = OCP1 high density uniform no spray
  "EARLY"  DESCRIPTION = OCP1 high density uniform no spray, EARLY input

SOURCE TERM  1 OF  1:
   OCP1 high density uniform 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)
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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 NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK 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 NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK 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 NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK 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
L-ICRP60ED TOT LIF	0-80.5 km	0.9949	9.68E+01	7.52E+01	1.81E+02	2.39E+02	3.68E+02	4.25E+02	5.53E+02	1.13E-03 556
L-ICRP60ED TOT LIF	0-161 km	0.9949	9.68E+01	7.52E+01	1.81E+02	2.39E+02	3.68E+02	4.25E+02	5.53E+02	1.13E-03 556
L-ICRP60ED TOT LIF	0-1609 km	0.9949	9.68E+01	7.52E+01	1.81E+02	2.39E+02	3.68E+02	4.25E+02	5.53E+02	1.13E-03 556

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK 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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK PROB	TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)										
L-ICRP60ED	0-0.2 km	1.0000	7.43E-01	5.86E-01	1.21E+00	1.45E+00	2.37E+00	3.02E+00	3.35E+00	1.14E-03 390
L-ICRP60ED	0.2-0.5 km	1.0000	3.40E-01	2.69E-01	6.16E-01	7.59E-01	1.03E+00	1.12E+00	1.41E+00	8.56E-04 646
L-ICRP60ED	0.5-1.2 km	1.0000	1.95E-01	1.44E-01	3.59E-01	4.79E-01	7.36E-01	7.97E-01	9.44E-01	1.14E-03 605
L-ICRP60ED	1.2-1.6 km	1.0000	1.45E-01	1.14E-01	2.79E-01	3.75E-01	7.35E-01	8.03E-01	9.68E-01	1.14E-03 605
L-ICRP60ED	1.6-2.1 km	1.0000	1.28E-01	1.02E-01	2.28E-01	3.39E-01	7.98E-01	8.94E-01	1.02E+00	2.38E-04 413
L-ICRP60ED	2.1-3.2 km	1.0000	1.04E-01	7.48E-02	1.90E-01	3.71E-01	7.36E-01	7.92E-01	9.24E-01	1.13E-03 396
L-ICRP60ED	3.2-4.0 km	0.9989	7.85E-02	5.52E-02	1.77E-01	3.09E-01	4.55E-01	5.21E-01	6.33E-01	1.13E-03 592
L-ICRP60ED	4.0-4.8 km	1.0000	6.44E-02	4.18E-02	1.54E-01	2.40E-01	3.37E-01	3.63E-01	4.25E-01	1.14E-03 885
L-ICRP60ED	4.8-5.6 km	0.9989	5.48E-02	3.35E-02	1.33E-01	2.04E-01	2.86E-01	3.11E-01	3.50E-01	1.13E-03 304
L-ICRP60ED	5.6-8.1 km	0.9989	3.93E-02	2.35E-02	1.02E-01	1.25E-01	2.01E-01	2.22E-01	2.75E-01	1.13E-03 724
L-ICRP60ED	8.1-11.3 km	0.9983	2.37E-02	1.28E-02	6.18E-02	8.01E-02	1.16E-01	1.33E-01	1.76E-01	1.14E-03 546
L-ICRP60ED	11.3-16.1 km	0.9937	1.36E-02	7.95E-03	3.23E-02	3.99E-02	5.44E-02	5.82E-02	6.73E-02	1.14E-03 675
L-ICRP60ED	16.1-20.9 km	0.9892	6.84E-03	3.97E-03	1.58E-02	2.13E-02	3.15E-02	3.65E-02	5.14E-02	1.15E-03 822
L-ICRP60ED	20.9-25.8 km	0.9926	4.93E-03	3.18E-03	1.08E-02	1.29E-02	1.96E-02	2.23E-02	2.88E-02	1.15E-03 980
L-ICRP60ED	25.8-32.2 km	0.9938	3.49E-03	2.22E-03	8.17E-03	1.07E-02	1.56E-02	1.84E-02	2.80E-02	1.12E-03 549
L-ICRP60ED	32.2-40.2 km	0.9938	2.63E-03	1.93E-03	5.54E-03	7.00E-03	8.69E-03	9.54E-03	1.26E-02	1.12E-03 549
L-ICRP60ED	40.2-48.3 km	0.9693	1.91E-03	1.32E-03	3.97E-03	5.13E-03	7.48E-03	8.57E-03	1.07E-02	1.15E-03 681
L-ICRP60ED	48.3-64.4 km	0.9546	1.19E-03	8.91E-04	2.45E-03	3.17E-03	5.14E-03	5.95E-03	7.34E-03	1.15E-03 410
L-ICRP60ED	64.4-80.5 km	1.0000	1.43E-03	1.18E-03	2.22E-03	2.66E-03	3.57E-03	3.98E-03	5.88E-03	1.13E-03 334
L-ICRP60ED	80.5-113 km	1.0000	8.57E-04	7.62E-04	1.29E-03	1.53E-03	2.17E-03	2.40E-03	3.39E-03	1.13E-03 334
L-ICRP60ED	113-161 km	1.0000	4.79E-04	4.09E-04	7.43E-04	8.54E-04	1.15E-03	1.31E-03	1.69E-03	1.14E-03 329
L-ICRP60ED	161-241 km	1.0000	2.46E-04	2.18E-04	3.88E-04	4.67E-04	6.95E-04	7.78E-04	9.83E-04	1.14E-03 329
L-ICRP60ED	241-322 km	1.0000	1.32E-04	1.11E-04	2.20E-04	2.59E-04	3.35E-04	3.63E-04	5.68E-04	3.04E-04 633
L-ICRP60ED	322-563 km	1.0000	5.41E-05	4.49E-05	9.45E-05	1.13E-04	1.62E-04	1.90E-04	2.44E-04	1.13E-03 631
L-ICRP60ED	563-805 km	1.0000	1.97E-05	1.54E-05	3.81E-05	4.93E-05	7.29E-05	8.93E-05	1.10E-04	1.13E-03 334
L-ICRP60ED	805-1609 km	1.0000	2.95E-06	1.24E-06	7.85E-06	1.05E-05	1.66E-05	2.02E-05	2.97E-05	1.13E-03 631

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

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 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   1.00E-02 Sv  1.0000  2.73E+03  1.89E+03  6.85E+03  8.19E+03  1.12E+04  1.24E+04  1.53E+04  1.13E-03  532
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   5.00E-02 Sv  0.9790  3.92E+02  8.73E+01  1.18E+03  1.85E+03  3.11E+03  3.49E+03  4.46E+03  1.14E-03  308
 AREA (ha) THAT EXCEEDS THRESHOLD
 A-THYROID  Area exceeds   5.00E-02 Sv  1.0000  1.07E+03  3.94E+02  3.11E+03  3.93E+03  5.98E+03  6.87E+03  8.49E+03  1.14E-03  595

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

 "ATMOS"  DESCRIPTION = OCP1 high density uniform no spray
 "EARLY"  DESCRIPTION = OCP1 high density uniform no spray, EARLY input

SOURCE TERM  1 OF  1:
   OCP1 high density uniform 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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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/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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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  0.00E+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
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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  1.0000  5.47E+00  4.54E+00  9.97E+00  1.17E+01  1.68E+01  1.96E+01  3.39E+01  1.15E-03  645
 L-ICRP60ED  TOT LIF      0-161 km  1.0000  5.47E+00  4.54E+00  9.97E+00  1.17E+01  1.68E+01  1.96E+01  3.39E+01  1.15E-03  645
 L-ICRP60ED  TOT LIF      0-1609 km  1.0000  5.47E+00  4.54E+00  9.97E+00  1.17E+01  1.68E+01  1.96E+01  3.39E+01  1.15E-03  645

                          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  9.55E-01  7.89E-01  1.42E+00  1.76E+00  2.79E+00  3.16E+00  3.79E+00  1.14E-03  315
 L-ICRP60ED               0.2-0.5 km  1.0000  4.15E-01  3.52E-01  7.14E-01  8.21E-01  1.09E+00  1.20E+00  1.54E+00  8.56E-04  646
 L-ICRP60ED               0.5-1.2 km  1.0000  2.29E-01  2.01E-01  4.08E-01  5.08E-01  5.82E-01  6.17E-01  7.12E-01  1.12E-03  296
 L-ICRP60ED               1.2-1.6 km  1.0000  1.61E-01  1.25E-01  3.03E-01  3.26E-01  3.88E-01  4.18E-01  4.90E-01  1.13E-03  356
 L-ICRP60ED               1.6-2.1 km  1.0000  1.29E-01  1.12E-01  2.37E-01  2.94E-01  3.38E-01  3.56E-01  3.99E-01  1.13E-03  356
 L-ICRP60ED               2.1-3.2 km  1.0000  9.27E-02  8.28E-02  1.70E-01  2.05E-01  2.41E-01  2.59E-01  3.06E-01  1.14E-03  305
 L-ICRP60ED               3.2-4.0 km  1.0000  6.69E-02  6.14E-02  1.11E-01  1.27E-01  1.72E-01  1.96E-01  2.58E-01  1.14E-03  305
 L-ICRP60ED               4.0-4.8 km  1.0000  5.29E-02  5.08E-02  9.76E-02  1.10E-01  1.41E-01  1.57E-01  1.97E-01  1.14E-03  305
 L-ICRP60ED               4.8-5.6 km  1.0000  5.58E-02  5.25E-02  9.02E-02  1.03E-01  1.20E-01  1.28E-01  1.73E-01  2.38E-04   86
 L-ICRP60ED               5.6-8.1 km  1.0000  2.95E-02  2.79E-02  5.24E-02  6.13E-02  8.10E-02  8.94E-02  1.21E-01  1.14E-03  305
 L-ICRP60ED               8.1-11.3 km  1.0000  1.71E-02  1.45E-02  2.99E-02  3.47E-02  4.90E-02  5.36E-02  6.34E-02  1.14E-03  305
 L-ICRP60ED              11.3-16.1 km  1.0000  9.66E-03  9.28E-03  1.57E-02  1.92E-02  2.53E-02  2.82E-02  3.55E-02  1.13E-03  356
 L-ICRP60ED              16.1-20.9 km  1.0000  5.55E-03  5.09E-03  9.74E-03  1.08E-02  1.35E-02  1.48E-02  1.80E-02  1.12E-03  335
 L-ICRP60ED              20.9-25.8 km  1.0000  3.77E-03  3.29E-03  6.54E-03  7.64E-03  1.03E-02  1.16E-02  1.65E-02  5.99E-04  313
 L-ICRP60ED              25.8-32.2 km  1.0000  2.60E-03  2.23E-03  4.58E-03  5.40E-03  7.12E-03  7.77E-03  9.33E-03  1.15E-03  510
 L-ICRP60ED              32.2-40.2 km  1.0000  1.94E-03  1.54E-03  3.33E-03  4.17E-03  7.98E-03  1.08E-02  1.39E-02  1.13E-03  517
 L-ICRP60ED              40.2-48.3 km  0.9983  1.36E-03  1.08E-03  2.34E-03  2.96E-03  5.64E-03  7.16E-03  9.43E-03  1.13E-03  603
 L-ICRP60ED              48.3-64.4 km  0.9949  9.75E-04  7.62E-04  1.74E-03  2.41E-03  4.09E-03  4.92E-03  6.90E-03  1.15E-03  681
 L-ICRP60ED              64.4-80.5 km  1.0000  7.53E-04  6.68E-04  1.16E-03  1.38E-03  2.05E-03  2.31E-03  3.13E-03  1.13E-03  334
 L-ICRP60ED              80.5-113 km  1.0000  4.52E-04  3.86E-04  7.02E-04  8.11E-04  1.14E-03  1.32E-03  1.83E-03  1.13E-03  334
 L-ICRP60ED              113-161 km  1.0000  2.55E-04  2.25E-04  3.82E-04  4.56E-04  6.65E-04  7.58E-04  9.73E-04  1.14E-03  329
 L-ICRP60ED              161-241 km  1.0000  1.34E-04  1.13E-04  2.13E-04  2.48E-04  3.56E-04  4.17E-04  5.80E-04  1.14E-03  329
 L-ICRP60ED              241-322 km  1.0000  7.33E-05  6.41E-05  1.20E-04  1.42E-04  2.04E-04  2.20E-04  3.26E-04  3.04E-04  633
 L-ICRP60ED              322-563 km  1.0000  3.07E-05  2.59E-05  5.35E-05  6.45E-05  1.00E-04  1.10E-04  1.36E-04  1.13E-03  631
 L-ICRP60ED              563-805 km  1.0000  1.08E-05  8.84E-06  2.16E-05  2.71E-05  4.45E-05  5.13E-05  5.83E-05  1.13E-03  631
 L-ICRP60ED              805-1609 km  1.0000  1.70E-06  7.89E-07  4.42E-06  6.04E-06  9.29E-06  1.12E-05  1.80E-05  1.13E-03  631

                          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  2.27E+03  2.08E+03  4.05E+03  4.96E+03  7.09E+03  7.91E+03  1.03E+04  1.14E-03  355
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   5.00E-02 Sv  1.0000  1.90E+02  1.29E+02  4.36E+02  5.56E+02  7.91E+02  8.83E+02  1.07E+03  1.14E-03  305
 AREA (ha) THAT EXCEEDS THRESHOLD
 A-THYROID  Area exceeds   5.00E-02 Sv  1.0000  4.12E+02  3.11E+02  1.02E+03  1.15E+03  1.54E+03  1.74E+03  2.14E+03  1.14E-03  546
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**** Indicates that the value is outside resolution of the analysis.
Optionally increase number of trials for better resolution.

"ATMOS" DESCRIPTION = OCP1 high density uniform no spray
"EARLY" DESCRIPTION = OCP1 high density uniform no spray, EARLY input

SOURCE TERM 1 OF 1:
OCP1 high density uniform no spray

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

COHORT 9 = 30-40 Shadow

		PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK 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 NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK 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 NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK 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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+00	0

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK 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 NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK 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 NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK 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	0.1972	1.06E+00	0.00E+00	2.27E+00	5.70E+00	2.06E+01	2.62E+01	6.86E+01	1.15E-03	503
L-ICRP60ED TOT LIF 0-161 km	0.1972	1.06E+00	0.00E+00	2.27E+00	5.70E+00	2.06E+01	2.62E+01	6.86E+01	1.15E-03	503
L-ICRP60ED TOT LIF 0-1609 km	0.1972	1.06E+00	0.00E+00	2.27E+00	5.70E+00	2.06E+01	2.62E+01	6.86E+01	1.15E-03	503

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK 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 NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK PROB	TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)										
L-ICRP60ED 0-0.2 km	1.0000	7.65E-01	6.08E-01	1.22E+00	1.46E+00	2.37E+00	3.03E+00	3.44E+00	1.14E-03	390
L-ICRP60ED 0.2-0.5 km	1.0000	3.38E-01	2.73E-01	5.97E-01	7.28E-01	9.27E-01	1.03E+00	1.33E+00	8.56E-04	646
L-ICRP60ED 0.5-1.2 km	1.0000	1.85E-01	1.42E-01	3.39E-01	4.26E-01	5.23E-01	5.38E-01	6.09E-01	2.38E-04	413
L-ICRP60ED 1.2-1.6 km	1.0000	1.31E-01	1.13E-01	2.66E-01	3.09E-01	3.43E-01	3.59E-01	4.37E-01	2.38E-04	413
L-ICRP60ED 1.6-2.1 km	1.0000	1.05E-01	9.69E-02	2.08E-01	2.47E-01	3.09E-01	3.17E-01	3.54E-01	2.38E-04	413
L-ICRP60ED 2.1-3.2 km	1.0000	7.50E-02	7.27E-02	1.48E-01	1.94E-01	2.25E-01	2.37E-01	2.66E-01	1.13E-03	592
L-ICRP60ED 3.2-4.0 km	1.0000	5.37E-02	5.26E-02	1.02E-01	1.14E-01	1.45E-01	1.60E-01	2.03E-01	1.13E-03	592
L-ICRP60ED 4.0-4.8 km	1.0000	4.22E-02	3.61E-02	8.48E-02	1.04E-01	1.32E-01	1.46E-01	1.80E-01	1.14E-03	200
L-ICRP60ED 4.8-5.6 km	1.0000	3.42E-02	3.15E-02	7.14E-02	8.52E-02	1.14E-01	1.26E-01	1.54E-01	1.14E-03	937
L-ICRP60ED 5.6-8.1 km	1.0000	2.20E-02	2.08E-02	4.25E-02	5.19E-02	7.10E-02	7.57E-02	8.68E-02	1.14E-03	937
L-ICRP60ED 8.1-11.3 km	0.9525	1.18E-02	1.02E-02	2.41E-02	2.90E-02	3.87E-02	4.36E-02	5.93E-02	1.12E-03	102
L-ICRP60ED 11.3-16.1 km	0.8615	5.91E-03	3.76E-03	1.28E-02	1.53E-02	2.18E-02	2.42E-02	3.62E-02	1.12E-03	102
L-ICRP60ED 16.1-20.9 km	0.7368	2.92E-03	1.47E-03	7.46E-03	9.78E-03	1.35E-02	1.54E-02	2.46E-02	1.15E-03	237
L-ICRP60ED 20.9-25.8 km	0.6269	1.80E-03	7.75E-04	5.14E-03	7.54E-03	1.07E-02	1.14E-02	1.64E-02	1.14E-04	217
L-ICRP60ED 25.8-32.2 km	0.5388	1.12E-03	2.44E-04	3.15E-03	5.68E-03	8.50E-03	9.48E-03	1.30E-02	1.15E-03	410
L-ICRP60ED 32.2-40.2 km	0.4227	6.74E-04	0.00E+00	2.14E-03	3.48E-03	7.15E-03	7.95E-03	9.97E-03	1.15E-03	253
L-ICRP60ED 40.2-48.3 km	0.3263	3.61E-04	0.00E+00	1.20E-03	2.10E-03	3.71E-03	4.85E-03	6.32E-03	1.15E-03	654
L-ICRP60ED 48.3-64.4 km	0.1972	1.22E-04	0.00E+00	5.08E-04	7.96E-04	1.28E-03	1.47E-03	1.97E-03	1.13E-03	803
L-ICRP60ED 64.4-80.5 km	1.0000	1.43E-03	1.18E-03	2.22E-03	2.66E-03	3.57E-03	3.98E-03	5.88E-03	1.13E-03	334
L-ICRP60ED 80.5-113 km	1.0000	8.57E-04	7.62E-04	1.29E-03	1.53E-03	2.17E-03	2.40E-03	3.39E-03	1.13E-03	334
L-ICRP60ED 113-161 km	1.0000	4.79E-04	4.09E-04	7.43E-04	8.54E-04	1.15E-03	1.31E-03	1.69E-03	1.14E-03	329
L-ICRP60ED 161-241 km	1.0000	2.46E-04	2.18E-04	3.88E-04	4.67E-04	6.95E-04	7.78E-04	9.83E-04	1.14E-03	329
L-ICRP60ED 241-322 km	1.0000	1.32E-04	1.11E-04	2.20E-04	2.59E-04	3.35E-04	3.63E-04	5.68E-04	3.04E-04	633
L-ICRP60ED 322-563 km	1.0000	5.41E-05	4.49E-05	9.45E-05	1.13E-04	1.62E-04	1.90E-04	2.44E-04	1.13E-03	631
L-ICRP60ED 563-805 km	1.0000	1.97E-05	1.54E-05	3.81E-05	4.93E-05	7.29E-05	8.93E-05	1.10E-04	1.13E-03	334
L-ICRP60ED 805-1609 km	1.0000	2.95E-06	1.24E-06	7.85E-06	1.05E-05	1.66E-05	2.02E-05	2.97E-05	1.13E-03	631

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK PROB	TRIAL
DOSE FOUND AT ALL LOCATIONS (Sv)										
AREA (ha) THAT EXCEEDS THRESHOLD										
L-ICRP60ED Area exceeds 1.00E-02 Sv	1.0000	1.19E+03	9.20E+02	2.64E+03	3.41E+03	5.56E+03	6.49E+03	1.03E+04	1.14E-04	217
AREA (ha) THAT EXCEEDS THRESHOLD										
L-ICRP60ED Area exceeds 5.00E-02 Sv	0.9791	1.10E+02	5.09E+01	2.97E+02	3.60E+02	5.18E+02	5.50E+02	6.26E+02	1.14E-03	937
AREA (ha) THAT EXCEEDS THRESHOLD										
A-THYROID Area exceeds 5.00E-02 Sv	1.0000	3.57E+02	2.45E+02	8.38E+02	1.08E+03	1.63E+03	1.95E+03	4.68E+03	1.12E-03	102

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

"ATMOS" DESCRIPTION = OCP1 high density uniform no spray
"EARLY" DESCRIPTION = OCP1 high density uniform no spray, EARLY input

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SOURCE TERM  1 OF  1:
    OCP1 high density uniform 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
 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
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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
L-ICRP60ED  TOT LIF      0-80.5 km  1.0000  2.43E+01  2.15E+01  3.73E+01  4.40E+01  6.08E+01  6.89E+01  9.82E+01  1.15E-03  655
L-ICRP60ED  TOT LIF      0-161 km  1.0000  2.43E+01  2.15E+01  3.73E+01  4.40E+01  6.08E+01  6.89E+01  9.82E+01  1.15E-03  655
L-ICRP60ED  TOT LIF      0-1609 km  1.0000  2.43E+01  2.15E+01  3.73E+01  4.40E+01  6.08E+01  6.89E+01  9.82E+01  1.15E-03  655

                          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  1.76E+00  1.42E+00  2.67E+00  3.20E+00  4.70E+00  5.36E+00  6.80E+00  1.14E-03  390
L-ICRP60ED               0.2-0.5 km  1.0000  7.36E-01  6.43E-01  1.14E+00  1.32E+00  1.88E+00  2.07E+00  2.40E+00  8.56E-04  202
L-ICRP60ED               0.5-1.2 km  1.0000  4.23E-01  3.48E-01  7.55E-01  9.09E-01  1.23E+00  1.38E+00  1.76E+00  1.13E-03  979
L-ICRP60ED               1.2-1.6 km  1.0000  3.11E-01  2.53E-01  5.75E-01  7.18E-01  9.60E-01  1.10E+00  1.48E+00  1.13E-03  979
L-ICRP60ED               1.6-2.1 km  1.0000  2.56E-01  2.13E-01  4.58E-01  6.14E-01  8.52E-01  9.45E-01  1.19E+00  1.13E-03  979
L-ICRP60ED               2.1-3.2 km  1.0000  1.81E-01  1.43E-01  3.29E-01  4.20E-01  5.60E-01  6.02E-01  7.80E-01  1.14E-03  757
L-ICRP60ED               3.2-4.0 km  1.0000  1.29E-01  1.11E-01  2.29E-01  2.85E-01  3.86E-01  4.36E-01  5.38E-01  1.14E-03  757
L-ICRP60ED               4.0-4.8 km  1.0000  1.02E-01  9.06E-02  1.86E-01  2.21E-01  3.01E-01  3.32E-01  4.09E-01  1.14E-03  461
L-ICRP60ED               4.8-5.6 km  1.0000  8.23E-02  7.29E-02  1.40E-01  1.74E-01  2.39E-01  2.66E-01  3.57E-01  1.14E-03  461
L-ICRP60ED               5.6-8.1 km  1.0000  5.48E-02  4.91E-02  9.83E-02  1.11E-01  1.42E-01  1.58E-01  2.36E-01  1.13E-03  516
L-ICRP60ED               8.1-11.3 km  1.0000  3.15E-02  2.71E-02  5.70E-02  6.87E-02  9.56E-02  1.04E-01  1.18E-01  1.14E-03  179
L-ICRP60ED              11.3-16.1 km  1.0000  1.73E-02  1.39E-02  3.07E-02  3.62E-02  5.13E-02  5.54E-02  6.54E-02  1.14E-03  513
L-ICRP60ED              16.1-20.9 km  1.0000  9.26E-03  7.87E-03  1.54E-02  1.96E-02  2.77E-02  3.28E-02  5.65E-02  1.14E-03  546
L-ICRP60ED              20.9-25.8 km  1.0000  6.15E-03  5.32E-03  1.06E-02  1.26E-02  1.89E-02  2.15E-02  2.72E-02  1.09E-03  649
L-ICRP60ED              25.8-32.2 km  1.0000  4.06E-03  3.43E-03  7.11E-03  8.53E-03  1.18E-02  1.33E-02  1.71E-02  1.14E-03  678
L-ICRP60ED              32.2-40.2 km  1.0000  2.85E-03  2.42E-03  5.03E-03  6.04E-03  8.12E-03  8.96E-03  1.25E-02  1.15E-03  181
L-ICRP60ED              40.2-48.3 km  1.0000  2.00E-03  1.62E-03  3.48E-03  4.43E-03  6.00E-03  6.63E-03  8.43E-03  1.14E-03  648
L-ICRP60ED              48.3-64.4 km  1.0000  1.23E-03  1.06E-03  2.06E-03  2.41E-03  3.29E-03  3.63E-03  4.46E-03  1.14E-03  648
L-ICRP60ED              64.4-80.5 km  1.0000  1.43E-03  1.18E-03  2.22E-03  2.66E-03  3.57E-03  3.98E-03  5.88E-03  1.13E-03  334
L-ICRP60ED              80.5-113 km  1.0000  8.57E-04  7.62E-04  1.29E-03  1.53E-03  2.17E-03  2.40E-03  3.39E-03  1.13E-03  334
L-ICRP60ED              113-161 km  1.0000  4.79E-04  4.09E-04  7.43E-04  8.54E-04  1.15E-03  1.31E-03  1.69E-03  1.14E-03  329
L-ICRP60ED              161-241 km  1.0000  2.46E-04  2.18E-04  3.88E-04  4.67E-04  6.95E-04  7.78E-04  9.83E-04  1.14E-03  329
L-ICRP60ED              241-322 km  1.0000  1.32E-04  1.11E-04  2.20E-04  2.59E-04  3.35E-04  3.63E-04  5.68E-04  3.04E-04  633
L-ICRP60ED              322-563 km  1.0000  5.41E-05  4.49E-05  9.45E-05  1.13E-04  1.62E-04  1.90E-04  2.44E-04  1.13E-03  631
L-ICRP60ED              563-805 km  1.0000  1.97E-05  1.54E-05  3.81E-05  4.93E-05  7.29E-05  8.93E-05  1.10E-04  1.13E-03  334
L-ICRP60ED              805-1609 km  1.0000  2.95E-06  1.24E-06  7.85E-06  1.05E-05  1.66E-05  2.02E-05  2.97E-05  1.13E-03  631

                          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  5.69E+03  5.19E+03  1.03E+04  1.12E+04  1.35E+04  1.47E+04  1.74E+04  1.14E-03  599
AREA (ha) THAT EXCEEDS THRESHOLD
L-ICRP60ED Area exceeds   5.00E-02 Sv  1.0000  7.26E+02  5.34E+02  1.61E+03  2.11E+03  3.01E+03  3.45E+03  4.62E+03  1.14E-03  513
AREA (ha) THAT EXCEEDS THRESHOLD
A-THYROID  Area exceeds   5.00E-02 Sv  1.0000  5.54E+02  4.47E+02  1.16E+03  1.32E+03  1.80E+03  2.02E+03  2.22E+03  1.14E-03  514

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

 "ATMOS"  DESCRIPTION = OCP1 high density uniform no spray
 "EARLY"  DESCRIPTION = OCP1 high density uniform no spray, EARLY input

SOURCE TERM  1 OF  1:
   OCP1 high density uniform no spray

RESULTS FOR A SINGLE EMERGENCY RESPONSE COHORT WITHOUT ANY WEIGHTING FRACTIONS BEING APPLIED
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   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
 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
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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  1.0000  1.74E+02  1.38E+02  3.06E+02  3.58E+02  5.08E+02  5.51E+02  6.76E+02  8.56E-04  303
L-ICRP60ED  TOT LIF          0-161 km  1.0000  1.74E+02  1.38E+02  3.06E+02  3.58E+02  5.08E+02  5.51E+02  6.76E+02  8.56E-04  303
L-ICRP60ED  TOT LIF         0-1609 km  1.0000  1.74E+02  1.38E+02  3.06E+02  3.58E+02  5.08E+02  5.51E+02  6.76E+02  8.56E-04  303

                          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  1.57E+00  1.28E+00  2.38E+00  2.85E+00  3.85E+00  4.35E+00  5.69E+00  1.14E-03  390
L-ICRP60ED                 0.2-0.5 km  1.0000  6.23E-01  5.45E-01  9.79E-01  1.09E+00  1.37E+00  1.52E+00  1.95E+00  8.56E-04  202
L-ICRP60ED                 0.5-1.2 km  1.0000  3.31E-01  2.83E-01  5.58E-01  6.56E-01  8.53E-01  9.45E-01  1.07E+00  1.13E-03  979
L-ICRP60ED                 1.2-1.6 km  1.0000  2.28E-01  1.97E-01  3.76E-01  4.55E-01  6.00E-01  6.62E-01  8.05E-01  1.13E-03  979
L-ICRP60ED                 1.6-2.1 km  1.0000  1.80E-01  1.46E-01  3.12E-01  3.50E-01  4.56E-01  5.11E-01  6.65E-01  1.13E-03  979
L-ICRP60ED                 2.1-3.2 km  1.0000  1.27E-01  1.09E-01  2.15E-01  2.51E-01  3.26E-01  3.50E-01  4.09E-01  1.13E-03  979
L-ICRP60ED                 3.2-4.0 km  1.0000  8.86E-02  7.86E-02  1.47E-01  1.84E-01  2.34E-01  2.53E-01  3.03E-01  1.14E-03  333
L-ICRP60ED                 4.0-4.8 km  1.0000  6.89E-02  6.06E-02  1.13E-01  1.31E-01  1.85E-01  2.07E-01  2.45E-01  1.14E-03  757
L-ICRP60ED                 4.8-5.6 km  1.0000  5.48E-02  4.98E-02  9.77E-02  1.09E-01  1.37E-01  1.50E-01  1.85E-01  1.14E-03  332
L-ICRP60ED                 5.6-8.1 km  1.0000  3.78E-02  3.32E-02  6.20E-02  7.26E-02  9.21E-02  1.02E-01  1.20E-01  1.14E-03  332
L-ICRP60ED                8.1-11.3 km  1.0000  2.31E-02  2.13E-02  3.53E-02  4.09E-02  5.23E-02  5.48E-02  6.06E-02  1.14E-03  690
L-ICRP60ED                11.3-16.1 km  1.0000  1.36E-02  1.09E-02  2.06E-02  2.35E-02  3.07E-02  3.23E-02  3.61E-02  1.14E-03  333
L-ICRP60ED                16.1-20.9 km  1.0000  9.09E-03  7.93E-03  1.15E-02  1.34E-02  1.90E-02  2.21E-02  3.07E-02  1.14E-03  333
L-ICRP60ED                20.9-25.8 km  1.0000  6.80E-03  6.72E-03  8.50E-03  9.28E-03  1.25E-02  1.45E-02  2.22E-02  1.14E-03  331
L-ICRP60ED                25.8-32.2 km  1.0000  4.78E-03  4.19E-03  7.22E-03  7.76E-03  9.20E-03  9.90E-03  1.31E-02  1.14E-03  331
L-ICRP60ED                32.2-40.2 km  1.0000  3.19E-03  2.92E-03  5.03E-03  5.77E-03  7.57E-03  8.25E-03  9.89E-03  1.15E-03  330
L-ICRP60ED                40.2-48.3 km  1.0000  2.21E-03  2.03E-03  3.36E-03  3.91E-03  5.67E-03  6.82E-03  8.69E-03  1.14E-03  331
L-ICRP60ED                48.3-64.4 km  1.0000  1.42E-03  1.18E-03  2.24E-03  2.64E-03  3.55E-03  3.96E-03  5.70E-03  1.13E-03  334
L-ICRP60ED                64.4-80.5 km  1.0000  9.28E-04  8.19E-04  1.41E-03  1.70E-03  2.36E-03  2.64E-03  3.84E-03  1.13E-03  334
L-ICRP60ED                 80.5-113 km  1.0000  5.57E-04  5.01E-04  8.69E-04  1.03E-03  1.37E-03  1.54E-03  2.22E-03  1.13E-03  334
L-ICRP60ED                  113-161 km  1.0000  3.12E-04  2.82E-04  4.97E-04  5.62E-04  8.28E-04  1.02E-03  1.13E-03  1.14E-03  329
L-ICRP60ED                  161-241 km  1.0000  1.62E-04  1.32E-04  2.54E-04  3.04E-04  4.44E-04  5.16E-04  6.63E-04  1.14E-03  329
L-ICRP60ED                  241-322 km  1.0000  8.73E-05  7.63E-05  1.37E-04  1.66E-04  2.21E-04  2.38E-04  3.79E-04  3.04E-04  633
L-ICRP60ED                  322-563 km  1.0000  3.60E-05  3.06E-05  6.22E-05  7.78E-05  1.15E-04  1.28E-04  1.62E-04  1.13E-03  631
L-ICRP60ED                  563-805 km  1.0000  1.30E-05  1.07E-05  2.52E-05  3.19E-05  5.02E-05  5.58E-05  7.10E-05  1.13E-03  334
L-ICRP60ED                 805-1609 km  1.0000  1.98E-06  9.11E-07  5.23E-06  7.32E-06  1.18E-05  1.40E-05  2.02E-05  1.13E-03  631

                          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  4.29E+03  3.86E+03  6.88E+03  7.75E+03  1.00E+04  1.09E+04  1.32E+04  1.14E-03  546
AREA (ha) THAT EXCEEDS THRESHOLD
L-ICRP60ED Area exceeds   5.00E-02 Sv  1.0000  3.10E+02  2.48E+02  6.65E+02  7.72E+02  1.02E+03  1.11E+03  1.33E+03  1.14E-03  294
AREA (ha) THAT EXCEEDS THRESHOLD
A-THYROID  Area exceeds   5.00E-02 Sv  1.0000  4.44E+02  3.34E+02  1.06E+03  1.21E+03  1.64E+03  1.86E+03  2.11E+03  1.14E-03  546

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

 "ATMOS"  DESCRIPTION = OCP1 high density uniform no spray
 "EARLY"  DESCRIPTION = OCP1 high density uniform no spray, EARLY input

SOURCE TERM  1 OF  1:
   OCP1 high density uniform 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
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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
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 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  1.0000  7.18E-01  6.76E-01  1.04E+00  1.14E+00  1.43E+00  1.57E+00  1.92E+00  1.14E-03  463
 L-ICRP60ED  TOT LIF      0-80.5 km  1.0000  2.19E+02  2.05E+02  3.39E+02  3.88E+02  5.20E+02  5.67E+02  6.84E+02  1.14E-03  388
 L-ICRP60ED  TOT LIF       0-161 km  1.0000  9.66E+02  7.83E+02  1.73E+03  2.15E+03  3.01E+03  3.24E+03  3.79E+03  1.15E-03  544
 L-ICRP60ED  TOT LIF      0-1609 km  1.0000  1.72E+03  1.25E+03  3.35E+03  4.18E+03  5.75E+03  6.31E+03  7.25E+03  1.15E-03  544

                          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  2.25E+00  2.02E+00  3.40E+00  4.01E+00  5.56E+00  6.20E+00  8.21E+00  1.14E-03  390
 L-ICRP60ED             0.2-0.5 km  1.0000  8.94E-01  7.78E-01  1.31E+00  1.56E+00  2.14E+00  2.31E+00  2.81E+00  8.56E-04  202
 L-ICRP60ED             0.5-1.2 km  1.0000  4.75E-01  4.00E-01  7.99E-01  9.56E-01  1.18E+00  1.29E+00  1.53E+00  1.13E-03  928
 L-ICRP60ED             1.2-1.6 km  1.0000  3.26E-01  2.82E-01  5.63E-01  6.69E-01  8.58E-01  9.47E-01  1.15E+00  1.13E-03  979
 L-ICRP60ED             1.6-2.1 km  1.0000  2.57E-01  2.25E-01  4.53E-01  5.28E-01  6.51E-01  7.17E-01  9.47E-01  1.13E-03  979
 L-ICRP60ED             2.1-3.2 km  1.0000  1.81E-01  1.45E-01  3.13E-01  3.53E-01  4.68E-01  5.13E-01  5.81E-01  1.14E-03  547
 L-ICRP60ED             3.2-4.0 km  1.0000  1.26E-01  1.10E-01  2.15E-01  2.51E-01  3.31E-01  3.60E-01  4.29E-01  1.14E-03  333
 L-ICRP60ED             4.0-4.8 km  1.0000  9.77E-02  8.59E-02  1.75E-01  2.10E-01  2.60E-01  2.85E-01  3.46E-01  1.14E-03  757
 L-ICRP60ED             4.8-5.6 km  1.0000  7.72E-02  7.10E-02  1.26E-01  1.50E-01  2.10E-01  2.25E-01  2.62E-01  1.14E-03  332
 L-ICRP60ED             5.6-8.1 km  1.0000  5.19E-02  4.53E-02  8.83E-02  1.03E-01  1.28E-01  1.40E-01  1.70E-01  1.14E-03  332
 L-ICRP60ED            8.1-11.3 km  1.0000  3.07E-02  2.81E-02  4.94E-02  5.74E-02  7.35E-02  7.73E-02  8.62E-02  1.14E-03  690
 L-ICRP60ED           11.3-16.1 km  1.0000  1.83E-02  1.57E-02  2.76E-02  3.13E-02  3.82E-02  4.17E-02  5.09E-02  1.14E-03  333
 L-ICRP60ED           16.1-20.9 km  1.0000  1.15E-02  9.59E-03  1.64E-02  2.02E-02  2.56E-02  2.84E-02  3.72E-02  1.14E-03  333
 L-ICRP60ED           20.9-25.8 km  1.0000  8.75E-03  7.69E-03  1.07E-02  1.27E-02  1.89E-02  2.09E-02  2.38E-02  1.14E-03  722
 L-ICRP60ED           25.8-32.2 km  1.0000  6.79E-03  6.71E-03  8.41E-03  9.14E-03  1.19E-02  1.37E-02  1.86E-02  1.14E-03  331
 L-ICRP60ED           32.2-40.2 km  1.0000  4.80E-03  4.32E-03  7.23E-03  7.77E-03  9.21E-03  9.90E-03  1.10E-02  1.14E-03  331
 L-ICRP60ED           40.2-48.3 km  1.0000  3.38E-03  3.09E-03  5.29E-03  6.15E-03  7.82E-03  8.43E-03  9.90E-03  1.15E-03  324
 L-ICRP60ED           48.3-64.4 km  1.0000  2.19E-03  1.97E-03  3.38E-03  3.91E-03  5.62E-03  6.83E-03  8.75E-03  1.13E-03  334
 L-ICRP60ED           64.4-80.5 km  1.0000  1.43E-03  1.18E-03  2.22E-03  2.66E-03  3.57E-03  3.98E-03  5.88E-03  1.13E-03  334
 L-ICRP60ED           80.5-113 km  1.0000  8.57E-04  7.62E-04  1.29E-03  1.53E-03  2.17E-03  2.40E-03  3.39E-03  1.13E-03  334
 L-ICRP60ED            113-161 km  1.0000  4.79E-04  4.09E-04  7.43E-04  8.54E-04  1.15E-03  1.31E-03  1.69E-03  1.14E-03  329
 L-ICRP60ED            161-241 km  1.0000  2.46E-04  2.18E-04  3.88E-04  4.67E-04  6.95E-04  7.78E-04  9.83E-04  1.14E-03  329
 L-ICRP60ED            241-322 km  1.0000  1.32E-04  1.11E-04  2.20E-04  2.59E-04  3.35E-04  3.63E-04  5.68E-04  3.04E-04  633
 L-ICRP60ED            322-563 km  1.0000  5.41E-05  4.49E-05  9.45E-05  1.13E-04  1.62E-04  1.90E-04  2.44E-04  1.13E-03  631
 L-ICRP60ED            563-805 km  1.0000  1.97E-05  1.54E-05  3.81E-05  4.93E-05  7.29E-05  8.93E-05  1.10E-04  1.13E-03  334
 L-ICRP60ED           805-1609 km  1.0000  2.95E-06  1.24E-06  7.85E-06  1.05E-05  1.66E-05  2.02E-05  2.97E-05  1.13E-03  631

                          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  6.34E+03  6.00E+03  9.91E+03  1.10E+04  1.38E+04  1.52E+04  1.88E+04  1.12E-03  545
 AREA (ha) THAT EXCEEDS THRESHOLD
 L-ICRP60ED Area exceeds   5.00E-02 Sv  1.0000  5.32E+02  4.59E+02  1.04E+03  1.14E+03  1.41E+03  1.55E+03  1.89E+03  1.14E-03  357
 AREA (ha) THAT EXCEEDS THRESHOLD
 A-THYROID  Area exceeds   5.00E-02 Sv  1.0000  6.98E+02  5.42E+02  1.46E+03  1.81E+03  2.27E+03  2.44E+03  2.83E+03  1.14E-03  823

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


  "ATMOS"  DESCRIPTION = OCP1 high density uniform no spray
  "EARLY"  DESCRIPTION = OCP1 high density uniform no spray, EARLY input
  "CHRONC" DESCRIPTION = OCP1 high density uniform no spray

SOURCE TERM  1 OF  1:
   OCP1 high density uniform no spray

RESULTS FROM THE "CHRONC" MODULE ALONE

   COHORT13 = OCP1 high density uniform no spray

                          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  2.65E+01  2.43E+01  3.57E+01  3.96E+01  5.01E+01  5.22E+01  5.69E+01  1.14E-03  351
 CAN INJ/TOTAL            0-32.2 km  1.0000  4.64E+01  4.03E+01  7.31E+01  8.28E+01  1.10E+02  1.23E+02  1.56E+02  1.13E-03  285
 CAN INJ/TOTAL            0-48.3 km  1.0000  6.46E+01  5.55E+01  1.06E+02  1.19E+02  1.56E+02  1.76E+02  2.10E+02  1.15E-03  302
 CAN INJ/TOTAL            0-64.4 km  1.0000  8.57E+01  7.22E+01  1.42E+02  1.76E+02  2.25E+02  2.42E+02  2.80E+02  1.14E-03  236
 CAN INJ/TOTAL            0-80.5 km  1.0000  1.14E+02  9.20E+01  2.16E+02  2.61E+02  3.32E+02  3.54E+02  4.05E+02  1.14E-03  240
 CAN INJ/TOTAL             0-161 km  1.0000  3.65E+02  2.62E+02  8.15E+02  1.03E+03  1.23E+03  1.32E+03  1.56E+03  1.13E-03  374
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CAN INJ/TOTAL          0-322 km  1.0000 8.42E+02 5.72E+02 1.92E+03 2.41E+03 3.78E+03 4.53E+03 6.34E+03 1.13E-03 314
CAN INJ/TOTAL          0-805 km  1.0000 1.14E+03 6.57E+02 2.87E+03 3.52E+03 5.14E+03 5.50E+03 6.36E+03 1.13E-03 314
CAN INJ/TOTAL         0-1609 km  1.0000 1.14E+03 6.64E+02 2.87E+03 3.52E+03 5.14E+03 5.50E+03 6.36E+03 1.13E-03 314
CAN FAT/TOTAL          0-16.1 km  1.0000 1.17E+01 1.06E+01 1.53E+01 1.79E+01 2.17E+01 2.28E+01 2.54E+01 1.12E-03 391
CAN FAT/TOTAL          0-32.2 km  1.0000 2.01E+01 1.74E+01 3.14E+01 3.60E+01 4.92E+01 5.43E+01 6.64E+01 1.13E-03 285
CAN FAT/TOTAL          0-48.3 km  1.0000 2.77E+01 2.36E+01 4.43E+01 5.29E+01 7.02E+01 7.53E+01 8.72E+01 1.15E-03 302
CAN FAT/TOTAL          0-64.4 km  1.0000 3.65E+01 3.08E+01 6.59E+01 7.65E+01 1.00E+02 1.05E+02 1.17E+02 1.15E-03 339
CAN FAT/TOTAL          0-80.5 km  1.0000 4.84E+01 3.89E+01 8.82E+01 1.04E+02 1.28E+02 1.39E+02 1.68E+02 1.14E-03 240
CAN FAT/TOTAL          0-161 km  1.0000 1.53E+02 1.06E+02 3.27E+02 4.08E+02 5.43E+02 5.76E+02 6.54E+02 1.13E-03 374
CAN FAT/TOTAL          0-322 km  1.0000 3.51E+02 2.34E+02 8.03E+02 1.03E+03 1.53E+03 1.82E+03 2.62E+03 1.13E-03 314
CAN FAT/TOTAL          0-805 km  1.0000 4.74E+02 2.75E+02 1.15E+03 1.47E+03 2.14E+03 2.29E+03 2.63E+03 1.13E-03 314
CAN FAT/TOTAL         0-1609 km  1.0000 4.77E+02 2.80E+02 1.15E+03 1.47E+03 2.14E+03 2.29E+03 2.63E+03 1.13E-03 314
CAN FAT/THYROID        0-16.1 km  1.0000 7.31E-02 6.72E-02 1.07E-01 1.17E-01 1.47E-01 1.62E-01 2.28E-01 1.14E-03 351
CAN FAT/THYROID        0-80.5 km  1.0000 5.72E-01 4.10E-01 1.13E+00 1.38E+00 2.07E+00 2.23E+00 2.61E+00 1.14E-03 236
CAN FAT/THYROID        0-161 km  1.0000 1.84E+00 1.12E+00 4.38E+00 5.47E+00 7.23E+00 7.62E+00 8.52E+00 1.13E-03 268
CAN FAT/THYROID       0-1609 km  1.0000 5.20E+00 2.69E+00 1.27E+01 1.65E+01 2.29E+01 2.50E+01 3.35E+01 1.13E-03 314
CAN FAT/BREAST         0-16.1 km  1.0000 7.82E-01 7.43E-01 1.06E+00 1.14E+00 1.33E+00 1.42E+00 1.65E+00 1.12E-03 391
CAN FAT/BREAST         0-80.5 km  1.0000 3.37E+00 2.77E+00 6.13E+00 7.28E+00 9.23E+00 1.01E+01 1.14E+01 1.14E-03 240
CAN FAT/BREAST         0-161 km  1.0000 1.06E+01 7.63E+00 2.28E+01 3.01E+01 3.51E+01 3.75E+01 4.32E+01 1.13E-03 374
CAN FAT/BREAST        0-1609 km  1.0000 3.24E+01 1.93E+01 8.22E+01 1.04E+02 1.31E+02 1.45E+02 1.79E+02 1.13E-03 314
CAN FAT/LUNG           0-16.1 km  1.0000 1.72E+00 1.45E+00 2.35E+00 2.60E+00 3.14E+00 3.29E+00 3.64E+00 1.12E-03 391
CAN FAT/LUNG           0-80.5 km  1.0000 7.71E+00 6.30E+00 1.31E+01 1.60E+01 2.16E+01 2.29E+01 2.61E+01 1.14E-03 240
CAN FAT/LUNG           0-161 km  1.0000 2.40E+01 1.74E+01 5.30E+01 6.64E+01 8.01E+01 8.55E+01 9.82E+01 1.13E-03 374
CAN FAT/LUNG          0-1609 km  1.0000 7.34E+01 4.35E+01 1.84E+02 2.36E+02 3.25E+02 3.48E+02 4.04E+02 1.13E-03 314
CAN FAT/LEUKEMIA      0-1609 km  1.0000 4.59E+01 2.73E+01 1.09E+02 1.32E+02 2.02E+02 2.15E+02 2.44E+02 1.13E-03 374
CAN FAT/BONE          0-1609 km  1.0000 8.85E-01 5.46E-01 2.16E+00 2.89E+00 3.59E+00 3.90E+00 4.64E+00 1.13E-03 374
CAN FAT/LIVER         0-1609 km  1.0000 1.18E+01 6.98E+00 2.99E+01 3.76E+01 5.36E+01 5.71E+01 6.55E+01 1.13E-03 314
CAN FAT/COLON         0-1609 km  1.0000 1.02E+02 5.97E+01 2.60E+02 3.24E+02 4.33E+02 4.91E+02 5.65E+02 1.13E-03 374
CAN FAT/RESIDUAL      0-1609 km  1.0000 2.06E+02 1.17E+02 5.17E+02 7.07E+02 8.92E+02 9.86E+02 1.14E+03 1.13E-03 314

                          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 1.15E+03 1.02E+03 1.15E+03 1.21E+03 1.36E+03 1.42E+03 1.87E+03 1.14E-04    4
ICRP60ED   INJ         0-32.2 km  1.0000 6.84E+03 6.73E+03 9.26E+03 1.02E+04 1.13E+04 1.18E+04 1.30E+04 1.14E-03  389
ICRP60ED   INJ         0-48.3 km  1.0000 1.60E+04 1.29E+04 2.13E+04 2.26E+04 2.62E+04 2.79E+04 3.19E+04 1.12E-03  941
ICRP60ED   INJ         0-64.4 km  1.0000 3.05E+04 2.75E+04 4.43E+04 5.12E+04 6.03E+04 6.46E+04 7.27E+04 1.14E-03  387
ICRP60ED   INJ         0-80.5 km  1.0000 4.26E+04 3.74E+04 6.20E+04 7.13E+04 8.73E+04 9.53E+04 1.04E+05 1.14E-03  388
ICRP60ED   INJ          0-161 km  1.0000 9.92E+04 9.24E+04 1.36E+05 1.56E+05 2.13E+05 2.37E+05 3.00E+05 1.14E-03  387
ICRP60ED   INJ          0-322 km  1.0000 1.55E+05 1.24E+05 2.90E+05 3.30E+05 4.24E+05 4.72E+05 5.41E+05 1.15E-03  708
ICRP60ED   INJ          0-805 km  1.0000 1.76E+05 1.45E+05 3.09E+05 3.41E+05 4.29E+05 4.74E+05 5.50E+05 1.15E-03  708
ICRP60ED   INJ         0-1609 km  1.0000 1.78E+05 1.47E+05 3.09E+05 3.41E+05 4.29E+05 4.74E+05 5.50E+05 1.15E-03  708
ICRP60ED   FAT         0-16.1 km  1.0000 1.15E+03 1.02E+03 1.15E+03 1.21E+03 1.36E+03 1.42E+03 1.87E+03 1.14E-04    4
ICRP60ED   FAT         0-32.2 km  1.0000 6.84E+03 6.73E+03 9.26E+03 1.02E+04 1.13E+04 1.18E+04 1.30E+04 1.14E-03  389
ICRP60ED   FAT         0-48.3 km  1.0000 1.60E+04 1.29E+04 2.13E+04 2.26E+04 2.62E+04 2.79E+04 3.19E+04 1.12E-03  941
ICRP60ED   FAT         0-64.4 km  1.0000 3.05E+04 2.75E+04 4.43E+04 5.12E+04 6.03E+04 6.46E+04 7.27E+04 1.14E-03  387
ICRP60ED   FAT         0-80.5 km  1.0000 4.26E+04 3.74E+04 6.20E+04 7.13E+04 8.73E+04 9.53E+04 1.04E+05 1.14E-03  388
ICRP60ED   FAT          0-161 km  1.0000 9.92E+04 9.24E+04 1.36E+05 1.56E+05 2.13E+05 2.37E+05 3.00E+05 1.14E-03  387
ICRP60ED   FAT          0-322 km  1.0000 1.55E+05 1.24E+05 2.90E+05 3.30E+05 4.24E+05 4.72E+05 5.41E+05 1.15E-03  708
ICRP60ED   FAT          0-805 km  1.0000 1.76E+05 1.45E+05 3.09E+05 3.41E+05 4.29E+05 4.74E+05 5.50E+05 1.15E-03  708
ICRP60ED   FAT         0-1609 km  1.0000 1.78E+05 1.47E+05 3.09E+05 3.41E+05 4.29E+05 4.74E+05 5.50E+05 1.15E-03  708
L-THYROID  FAT         0-16.1 km  1.0000 1.08E+03 1.02E+03 1.19E+03 1.27E+03 1.48E+03 1.58E+03 1.82E+03 1.14E-03  390
L-THYROID  FAT         0-80.5 km  1.0000 4.52E+04 4.00E+04 6.66E+04 7.47E+04 9.27E+04 1.01E+05 1.13E+05 1.14E-03  388
L-THYROID  FAT          0-161 km  1.0000 1.07E+05 1.01E+05 1.49E+05 1.76E+05 2.29E+05 2.49E+05 3.26E+05 1.14E-03  387
L-THYROID  FAT         0-1609 km  1.0000 1.98E+05 1.82E+05 3.18E+05 3.49E+05 4.33E+05 4.75E+05 5.73E+05 1.14E-03  387
L-BREAST   FAT         0-16.1 km  1.0000 9.94E+02 1.00E+03 1.14E+03 1.20E+03 1.36E+03 1.44E+03 1.62E+03 1.14E-03    2
L-BREAST   FAT         0-80.5 km  1.0000 4.11E+04 3.61E+04 6.08E+04 7.05E+04 8.18E+04 8.72E+04 1.01E+05 1.14E-03  388
L-BREAST   FAT          0-161 km  1.0000 9.54E+04 8.76E+04 1.33E+05 1.52E+05 2.07E+05 2.30E+05 2.89E+05 1.14E-03  387
L-BREAST   FAT         0-1609 km  1.0000 1.68E+05 1.36E+05 3.03E+05 3.36E+05 4.27E+05 4.73E+05 5.40E+05 1.15E-03  708
L-LUNGS    FAT         0-16.1 km  1.0000 9.93E+02 1.00E+03 1.10E+03 1.14E+03 1.25E+03 1.30E+03 1.60E+03 1.14E-04    4
L-LUNGS    FAT         0-80.5 km  1.0000 4.06E+04 3.60E+04 5.91E+04 6.77E+04 8.02E+04 8.57E+04 9.85E+04 1.14E-03  388
L-LUNGS    FAT          0-161 km  1.0000 9.45E+04 8.65E+04 1.31E+05 1.50E+05 2.04E+05 2.26E+05 2.83E+05 1.14E-03  387
L-LUNGS    FAT         0-1609 km  1.0000 1.68E+05 1.37E+05 2.99E+05 3.29E+05 4.09E+05 4.50E+05 5.25E+05 1.15E-03  708
L-RED MARR FAT         0-1609 km  1.0000 1.81E+05 1.50E+05 3.09E+05 3.41E+05 4.29E+05 4.74E+05 5.45E+05 1.14E-03  387
L-BONE SUR FAT         0-1609 km  1.0000 2.64E+05 2.30E+05 4.46E+05 5.21E+05 6.36E+05 6.92E+05 8.01E+05 1.14E-03  387
L-LIVER    FAT         0-1609 km  1.0000 1.58E+05 1.29E+05 2.78E+05 3.16E+05 3.81E+05 4.13E+05 4.90E+05 1.15E-03  708
L-LOWER LI FAT         0-1609 km  1.0000 1.68E+05 1.39E+05 2.91E+05 3.26E+05 4.08E+05 4.49E+05 5.04E+05 1.14E-03  387
L-BLAD WAL FAT         0-1609 km  1.0000 1.49E+05 1.21E+05 2.53E+05 3.03E+05 3.59E+05 3.87E+05 4.52E+05 1.15E-03  708

                          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 2.05E+02 1.94E+02 2.95E+02 3.17E+02 3.65E+02 3.89E+02 4.43E+02 1.12E-03  391
ICRP60ED   INJ         0-32.2 km  1.0000 3.61E+02 3.20E+02 5.56E+02 6.42E+02 8.68E+02 9.83E+02 1.21E+03 1.13E-03  285
ICRP60ED   INJ         0-48.3 km  1.0000 4.99E+02 4.19E+02 8.29E+02 9.78E+02 1.22E+03 1.34E+03 1.63E+03 1.14E-03  236
ICRP60ED   INJ         0-64.4 km  1.0000 6.59E+02 5.49E+02 1.10E+03 1.24E+03 1.65E+03 1.87E+03 2.20E+03 1.14E-03  236
ICRP60ED   INJ         0-80.5 km  1.0000 8.74E+02 7.19E+02 1.54E+03 2.00E+03 2.38E+03 2.56E+03 3.05E+03 1.14E-03  240
ICRP60ED   INJ          0-161 km  1.0000 2.74E+03 1.98E+03 6.22E+03 7.78E+03 1.02E+04 1.06E+04 1.13E+04 1.13E-03  374
ICRP60ED   INJ          0-322 km  1.0000 6.24E+03 4.16E+03 1.37E+04 1.80E+04 2.97E+04 3.44E+04 4.69E+04 1.13E-03  314
ICRP60ED   INJ          0-805 km  1.0000 8.37E+03 4.86E+03 2.10E+04 2.80E+04 3.59E+04 3.91E+04 4.70E+04 1.13E-03  314
ICRP60ED   INJ         0-1609 km  1.0000 8.44E+03 4.99E+03 2.10E+04 2.80E+04 3.59E+04 3.91E+04 4.70E+04 1.13E-03  314
ICRP60ED   FAT         0-16.1 km  1.0000 2.05E+02 1.94E+02 2.95E+02 3.17E+02 3.65E+02 3.89E+02 4.43E+02 1.12E-03  391
ICRP60ED   FAT         0-32.2 km  1.0000 3.61E+02 3.20E+02 5.56E+02 6.42E+02 8.68E+02 9.83E+02 1.21E+03 1.13E-03  285
ICRP60ED   FAT         0-48.3 km  1.0000 4.99E+02 4.19E+02 8.29E+02 9.78E+02 1.22E+03 1.34E+03 1.63E+03 1.14E-03  236
ICRP60ED   FAT         0-64.4 km  1.0000 6.59E+02 5.49E+02 1.10E+03 1.24E+03 1.65E+03 1.87E+03 2.20E+03 1.14E-03  236
ICRP60ED   FAT         0-80.5 km  1.0000 8.74E+02 7.19E+02 1.54E+03 2.00E+03 2.38E+03 2.56E+03 3.05E+03 1.14E-03  240
ICRP60ED   FAT          0-161 km  1.0000 2.74E+03 1.98E+03 6.22E+03 7.78E+03 1.02E+04 1.06E+04 1.13E+04 1.13E-03  374
ICRP60ED   FAT          0-322 km  1.0000 6.24E+03 4.16E+03 1.37E+04 1.80E+04 2.97E+04 3.44E+04 4.69E+04 1.13E-03  314
ICRP60ED   FAT          0-805 km  1.0000 8.37E+03 4.86E+03 2.10E+04 2.80E+04 3.59E+04 3.91E+04 4.70E+04 1.13E-03  314
ICRP60ED   FAT         0-1609 km  1.0000 8.44E+03 4.99E+03 2.10E+04 2.80E+04 3.59E+04 3.91E+04 4.70E+04 1.13E-03  314
L-THYROID  FAT         0-16.1 km  1.0000 2.26E+02 2.06E+02 3.33E+02 3.80E+02 5.12E+02 5.66E+02 7.03E+02 1.14E-03  351
L-THYROID  FAT         0-80.5 km  1.0000 1.77E+03 1.24E+03 3.60E+03 4.61E+03 6.06E+03 6.67E+03 8.06E+03 1.14E-03  236
L-THYROID  FAT          0-161 km  1.0000 5.67E+03 3.56E+03 1.30E+04 1.70E+04 2.20E+04 2.33E+04 2.63E+04 1.13E-03  268
L-THYROID  FAT         0-1609 km  1.0000 1.61E+04 8.24E+03 3.93E+04 5.05E+04 6.36E+04 7.05E+04 1.03E+05 1.13E-03  314
L-BREAST   FAT         0-16.1 km  1.0000 1.55E+02 1.28E+02 2.11E+02 2.25E+02 2.62E+02 2.79E+02 3.25E+02 1.12E-03  391
L-BREAST   FAT         0-80.5 km  1.0000 6.66E+02 5.52E+02 1.13E+03 1.30E+03 1.79E+03 2.02E+03 2.25E+03 1.14E-03  240
L-BREAST   FAT          0-161 km  1.0000 2.10E+03 1.49E+03 4.67E+03 5.83E+03 7.43E+03 7.77E+03 8.54E+03 1.13E-03  374
L-BREAST   FAT         0-1609 km  1.0000 6.39E+03 3.81E+03 1.58E+04 2.10E+04 2.80E+04 3.09E+04 3.54E+04 1.13E-03  314
L-LUNGS    FAT         0-16.1 km  1.0000 1.73E+02 1.47E+02 2.36E+02 2.62E+02 3.16E+02 3.31E+02 3.68E+02 1.12E-03  391
L-LUNGS    FAT         0-80.5 km  1.0000 7.78E+02 6.36E+02 1.33E+03 1.64E+03 2.18E+03 2.31E+03 2.64E+03 1.14E-03  240
L-LUNGS    FAT          0-161 km  1.0000 2.42E+03 1.76E+03 5.33E+03 6.65E+03 8.04E+03 8.60E+03 9.92E+03 1.13E-03  374
L-LUNGS    FAT         0-1609 km  1.0000 7.41E+03 4.37E+03 1.85E+04 2.36E+04 3.26E+04 3.50E+04 4.08E+04 1.13E-03  314
L-RED MARR FAT         0-1609 km  1.0000 8.27E+03 5.03E+03 2.06E+04 2.67E+04 3.46E+04 3.74E+04 4.40E+04 1.13E-03  374
L-BONE SUR FAT         0-1609 km  1.0000 9.31E+03 5.72E+03 2.29E+04 3.05E+04 3.73E+04 4.06E+04 4.88E+04 1.13E-03  374
L-LIVER    FAT         0-1609 km  1.0000 7.87E+03 4.52E+03 1.99E+04 2.51E+04 3.39E+04 3.68E+04 4.36E+04 1.13E-03  314
L-LOWER LI FAT         0-1609 km  1.0000 9.83E+03 5.75E+03 2.49E+04 3.17E+04 4.16E+04 4.68E+04 5.44E+04 1.13E-03  374
L-BLAD WAL FAT         0-1609 km  1.0000 8.36E+03 4.92E+03 2.08E+04 2.82E+04 3.58E+04 3.89E+04 4.64E+04 1.13E-03  314

                          PROB                    QUANTILES                    PEAK     PEAK  PEAK
                       NON-ZERO   MEAN     50TH     90TH     95TH     99TH    99.5TH   CONSEQ    PROB  TRIAL
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POPULATION DOSE (Sv)

L-ICRP60ED TOT LIF	0-16.1 km	1.0000	1.95E+03	1.98E+03	2.32E+03	2.48E+03	2.88E+03	3.02E+03	3.11E+03	1.14E-03	515		
L-ICRP60ED TOT LIF	0-80.5 km	1.0000	4.24E+04	3.71E+04	6.20E+04	7.10E+04	8.22E+04	8.75E+04	1.02E+05	1.14E-03	388		
L-ICRP60ED TOT LIF	0-161 km	1.0000	9.73E+04	9.08E+04	1.33E+05	1.51E+05	2.04E+05	2.29E+05	2.91E+05	1.14E-03	387		
L-ICRP60ED TOT LIF	0-1609 km	1.0000	1.74E+05	1.44E+05	3.05E+05	3.38E+05	4.28E+05	4.73E+05	5.34E+05	1.15E-03	708		

		PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
POPULATION WEIGHTED RISK											
CAN FAT/TOTAL	0-16.1 km	1.0000	4.19E-07	3.41E-07	7.44E-07	8.99E-07	1.20E-06	1.33E-06	2.05E-06	3.23E-04	488
CAN FAT/TOTAL	0-32.2 km	1.0000	9.00E-07	2.09E-07	2.13E-06	3.49E-06	1.11E-05	1.33E-05	1.96E-05	1.14E-03	236
CAN FAT/TOTAL	0-48.3 km	1.0000	3.85E-07	7.79E-08	8.53E-07	1.70E-06	5.41E-06	6.80E-06	1.10E-05	1.15E-03	932
CAN FAT/TOTAL	0-64.4 km	1.0000	1.55E-07	3.05E-08	3.55E-07	6.77E-07	2.15E-06	2.67E-06	4.41E-06	1.15E-03	932
CAN FAT/TOTAL	0-80.5 km	1.0000	9.81E-08	1.92E-08	2.23E-07	4.31E-07	1.28E-06	1.71E-06	2.80E-06	1.15E-03	932
CAN FAT/TOTAL	0-161 km	1.0000	2.84E-08	5.74E-09	6.25E-08	1.24E-07	3.65E-07	4.87E-07	8.10E-07	1.15E-03	932
CAN FAT/TOTAL	0-322 km	1.0000	1.11E-08	2.25E-09	2.49E-08	4.94E-08	1.43E-07	1.93E-07	3.17E-07	1.15E-03	932
CAN FAT/TOTAL	0-805 km	1.0000	4.93E-09	9.68E-10	1.15E-08	2.20E-08	7.30E-08	8.95E-08	1.41E-07	1.15E-03	932
CAN FAT/TOTAL	0-1609 km	1.0000	2.78E-09	5.65E-10	6.19E-09	1.24E-08	3.64E-08	4.82E-08	7.94E-08	1.15E-03	932
CAN FAT/TOTAL	16.1-32.2 km	0.9304	9.50E-07	1.68E-07	2.25E-06	4.03E-06	1.36E-05	1.91E-05	2.16E-05	1.14E-03	236
CAN FAT/TOTAL	32.2-48.3 km	0.1304	1.30E-07	0.00E+00	1.07E-08	2.24E-07	3.93E-06	5.27E-06	8.28E-06	2.28E-03	740
CAN FAT/TOTAL	48.3-64.4 km	0.0011	8.78E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-10	1.13E-03	334
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 NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)											
L-ICRP60ED	0-0.2 km	0.5118	3.47E-02	2.27E-02	7.19E-02	7.30E-02	7.57E-02	7.69E-02	7.82E-02	2.30E-03	802
L-ICRP60ED	0.2-0.5 km	0.8256	5.89E-02	7.02E-02	7.16E-02	7.23E-02	7.38E-02	7.45E-02	7.82E-02	1.14E-04	275
L-ICRP60ED	0.5-1.2 km	0.9853	1.04E-01	9.79E-02	1.12E-01	1.18E-01	1.33E-01	1.40E-01	1.56E-01	1.13E-03	789
L-ICRP60ED	1.2-1.6 km	1.0000	9.87E-02	9.01E-02	1.11E-01	1.17E-01	1.32E-01	1.39E-01	1.56E-01	1.14E-03	305
L-ICRP60ED	1.6-2.1 km	1.0000	9.87E-02	9.01E-02	1.10E-01	1.16E-01	1.30E-01	1.37E-01	1.55E-01	8.56E-04	786
L-ICRP60ED	2.1-3.2 km	1.0000	1.40E-01	1.04E-01	1.16E-01	1.22E-01	1.35E-01	1.42E-01	1.56E-01	1.14E-03	960
L-ICRP60ED	3.2-4.0 km	1.0000	1.40E-01	1.04E-01	1.15E-01	1.21E-01	1.34E-01	1.40E-01	1.56E-01	8.56E-04	786
L-ICRP60ED	4.0-4.8 km	1.0000	1.41E-01	1.03E-01	1.12E-01	1.16E-01	1.25E-01	1.30E-01	1.56E-01	1.14E-04	108
L-ICRP60ED	4.8-5.6 km	1.0000	1.38E-01	1.04E-01	1.16E-01	1.21E-01	1.35E-01	1.41E-01	1.56E-01	1.15E-03	791
L-ICRP60ED	5.6-8.1 km	1.0000	1.09E-01	1.01E-01	1.13E-01	1.19E-01	1.33E-01	1.40E-01	1.56E-01	1.14E-03	368
L-ICRP60ED	8.1-11.3 km	1.0000	7.49E-02	7.07E-02	7.30E-02	7.40E-02	7.64E-02	7.74E-02	7.97E-02	1.14E-03	308
L-ICRP60ED	11.3-16.1 km	1.0000	6.79E-02	6.69E-02	7.23E-02	7.34E-02	7.60E-02	7.71E-02	7.96E-02	1.14E-03	308
L-ICRP60ED	16.1-20.9 km	1.0000	5.64E-02	5.34E-02	6.59E-02	7.04E-02	7.30E-02	7.42E-02	7.88E-02	3.71E-04	89
L-ICRP60ED	20.9-25.8 km	1.0000	5.12E-02	5.09E-02	5.83E-02	6.18E-02	7.03E-02	7.18E-02	7.90E-02	2.38E-04	86
L-ICRP60ED	25.8-32.2 km	1.0000	4.95E-02	5.00E-02	5.36E-02	5.52E-02	5.91E-02	6.09E-02	6.85E-02	3.23E-04	93
L-ICRP60ED	32.2-40.2 km	1.0000	4.77E-02	4.22E-02	5.12E-02	5.19E-02	5.36E-02	5.43E-02	5.72E-02	3.23E-04	93
L-ICRP60ED	40.2-48.3 km	1.0000	4.57E-02	3.78E-02	5.09E-02	5.17E-02	5.36E-02	5.44E-02	5.62E-02	1.15E-03	602
L-ICRP60ED	48.3-64.4 km	1.0000	4.30E-02	3.44E-02	4.76E-02	5.06E-02	5.28E-02	5.38E-02	5.59E-02	1.15E-03	418
L-ICRP60ED	64.4-80.5 km	1.0000	4.13E-02	3.26E-02	3.99E-02	4.36E-02	5.12E-02	5.28E-02	5.64E-02	1.14E-03	84
L-ICRP60ED	80.5-113 km	1.0000	3.84E-02	3.15E-02	3.63E-02	3.86E-02	4.45E-02	4.73E-02	5.53E-02	3.71E-04	82
L-ICRP60ED	113-161 km	1.0000	3.21E-02	3.04E-02	3.44E-02	3.63E-02	4.12E-02	4.35E-02	4.88E-02	1.14E-03	458
L-ICRP60ED	161-241 km	1.0000	1.99E-02	1.70E-02	3.13E-02	3.34E-02	3.89E-02	4.15E-02	4.77E-02	1.13E-03	524
L-ICRP60ED	241-322 km	1.0000	1.05E-02	9.02E-03	1.86E-02	2.24E-02	3.08E-02	3.30E-02	4.37E-02	3.04E-04	632
L-ICRP60ED	322-563 km	1.0000	4.19E-03	3.47E-03	7.68E-03	9.58E-03	1.32E-02	1.51E-02	2.02E-02	1.14E-03	505
L-ICRP60ED	563-805 km	1.0000	1.88E-03	1.40E-03	3.74E-03	4.66E-03	7.88E-03	9.72E-03	1.18E-02	1.13E-03	334
L-ICRP60ED	805-1609 km	1.0000	2.25E-04	6.84E-05	6.40E-04	9.15E-04	1.48E-03	1.80E-03	2.25E-03	1.13E-03	761

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
L-ICRP60ED POP. DOSE (Sv) 0-16.1 km										
TOTAL LONG-TERM PATHWAYS DOSE	1.0000	1.95E+03	1.98E+03	2.32E+03	2.48E+03	2.88E+03	3.02E+03	3.11E+03	1.14E-03	515
LONG-TERM DIRECT EXPOSURE PATHWAYS	1.0000	7.87E+02	7.52E+02	1.03E+03	1.07E+03	1.17E+03	1.22E+03	1.32E+03	1.13E-03	1
TOTAL INGESTION PATHWAYS DOSE	1.0000	1.11E+03	1.03E+03	1.30E+03	1.44E+03	1.82E+03	2.01E+03	2.53E+03	1.14E-03	515
LONG-TERM GROUNDSHINE DOSE	1.0000	7.83E+02	7.49E+02	1.03E+03	1.07E+03	1.17E+03	1.21E+03	1.32E+03	1.13E-03	1
LONG-TERM RESUSPENSION DOSE	1.0000	3.70E+00	3.30E+00	5.80E+00	6.81E+00	8.84E+00	9.86E+00	1.32E+01	1.14E-03	384
WATER INGESTION DOSE	1.0000	9.90E+02	9.46E+02	1.22E+03	1.34E+03	1.65E+03	1.80E+03	2.45E+03	1.14E-03	515
POP.-DEPENDENT DECONTAMINATION DOSE	1.0000	4.94E+01	4.78E+01	6.61E+01	7.21E+01	8.17E+01	8.63E+01	9.67E+01	1.15E-03	478
FARM-DEPENDENT DECONTAMINATION DOSE	1.0000	3.22E+00	3.08E+00	5.01E+00	5.13E+00	5.43E+00	5.56E+00	6.35E+00	1.14E-04	27
INGESTION OF GRAINS	1.0000	3.57E+00	3.13E+00	6.03E+00	7.13E+00	8.23E+00	8.76E+00	1.08E+01	1.14E-03	384
INGESTION OF LEAF VEG	1.0000	2.27E+01	2.16E+01	3.26E+01	3.58E+01	4.48E+01	4.94E+01	7.68E+01	1.14E-03	384
INGESTION OF ROOT CROPS	1.0000	1.48E+01	1.23E+01	2.11E+01	2.29E+01	2.74E+01	2.97E+01	3.30E+01	1.14E-03	389
INGESTION OF FRUITS	1.0000	1.21E+01	1.09E+01	1.66E+01	1.99E+01	2.15E+01	2.23E+01	2.52E+01	3.71E-04	99
INGESTION OF LEGUMES	1.0000	2.62E+01	2.42E+01	3.45E+01	3.76E+01	4.57E+01	4.98E+01	5.92E+01	1.14E-03	389
INGESTION OF BEEF	1.0000	1.57E+01	1.24E+01	2.91E+01	3.31E+01	4.28E+01	4.78E+01	5.42E+01	3.23E-04	93
INGESTION OF MILK	1.0000	1.92E+01	1.48E+01	3.37E+01	4.12E+01	6.17E+01	7.12E+01	8.62E+01	1.14E-03	351
INGESTION OF POULTRY	1.0000	4.79E+00	3.59E+00	9.78E+00	1.21E+01	1.91E+01	2.36E+01	3.33E+01	1.14E-03	383
INGESTION OF OTHER MEAT CROPS	1.0000	1.25E+00	1.11E+00	1.95E+00	2.28E+00	3.25E+00	3.98E+00	5.58E+00	1.14E-03	383

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
L-ICRP60ED POP. DOSE (Sv) 0-80.5 km										
TOTAL LONG-TERM PATHWAYS DOSE	1.0000	4.24E+04	3.71E+04	6.20E+04	7.10E+04	8.22E+04	8.75E+04	1.02E+05	1.14E-03	388
LONG-TERM DIRECT EXPOSURE PATHWAYS	1.0000	3.89E+04	3.46E+04	5.69E+04	6.51E+04	7.82E+04	8.33E+04	9.52E+04	1.14E-03	388
TOTAL INGESTION PATHWAYS DOSE	1.0000	3.25E+03	2.98E+03	5.19E+03	5.83E+03	7.11E+03	7.27E+03	8.18E+03	1.14E-04	138
LONG-TERM GROUNDSHINE DOSE	1.0000	3.86E+04	3.44E+04	5.67E+04	6.47E+04	7.79E+04	8.29E+04	9.47E+04	1.14E-03	388
LONG-TERM RESUSPENSION DOSE	1.0000	2.73E+02	2.46E+02	3.99E+02	4.66E+02	5.51E+02	5.80E+02	6.47E+02	1.13E-03	597
WATER INGESTION DOSE	1.0000	1.19E+03	1.05E+03	1.37E+03	1.54E+03	2.00E+03	2.18E+03	2.62E+03	1.14E-03	515
POP.-DEPENDENT DECONTAMINATION DOSE	1.0000	2.57E+02	2.26E+02	3.80E+02	4.47E+02	6.62E+02	7.62E+02	1.06E+03	1.13E-03	286
FARM-DEPENDENT DECONTAMINATION DOSE	1.0000	6.34E+00	5.80E+00	9.12E+00	1.03E+01	1.20E+01	1.28E+01	1.86E+01	1.14E-04	78
INGESTION OF GRAINS	1.0000	6.90E+01	4.77E+01	1.47E+02	1.82E+02	2.19E+02	2.30E+02	3.17E+02	1.14E-04	138
INGESTION OF LEAF VEG	1.0000	2.05E+02	1.55E+02	3.85E+02	5.01E+02	6.71E+02	7.34E+02	8.56E+02	1.14E-03	351
INGESTION OF ROOT CROPS	1.0000	1.44E+02	1.12E+02	2.57E+02	3.01E+02	3.39E+02	3.57E+02	4.73E+02	1.14E-04	138
INGESTION OF FRUITS	1.0000	1.55E+02	1.02E+02	3.17E+02	3.53E+02	4.53E+02	5.02E+02	6.28E+02	1.14E-04	138
INGESTION OF LEGUMES	1.0000	1.93E+02	1.74E+02	3.02E+02	3.17E+02	3.55E+02	3.73E+02	4.77E+02	1.52E-04	137
INGESTION OF BEEF	1.0000	5.45E+02	4.97E+02	9.99E+02	1.07E+03	1.27E+03	1.36E+03	2.00E+03	1.14E-04	138
INGESTION OF MILK	1.0000	5.51E+02	4.31E+02	1.06E+03	1.37E+03	2.18E+03	2.40E+03	2.96E+03	1.14E-03	352
INGESTION OF POULTRY	1.0000	1.73E+02	1.12E+02	3.72E+02	5.13E+02	7.45E+02	8.19E+02	1.04E+03	1.14E-03	351
INGESTION OF OTHER MEAT CROPS	1.0000	3.24E+01	2.57E+01	5.96E+01	7.93E+01	1.15E+02	1.28E+02	1.59E+02	1.14E-03	351

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	PEAK 99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
L-ICRP60ED POP. DOSE (Sv) 0-161 km										
TOTAL LONG-TERM PATHWAYS DOSE	1.0000	9.73E+04	9.08E+04	1.33E+05	1.51E+05	2.04E+05	2.29E+05	2.91E+05	1.14E-03	387
LONG-TERM DIRECT EXPOSURE PATHWAYS	1.0000	8.89E+04	8.02E+04	1.28E+05	1.47E+05	2.01E+05	2.20E+05	2.69E+05	1.14E-03	387
TOTAL INGESTION PATHWAYS DOSE	1.0000	8.08E+03	6.50E+03	1.32E+04	1.56E+04	2.11E+04	2.25E+04	2.59E+04	1.14E-03	386
LONG-TERM GROUNDSHINE DOSE	1.0000	8.82E+04	7.98E+04	1.28E+05	1.47E+05	2.01E+05	2.20E+05	2.67E+05	1.14E-03	387
LONG-TERM RESUSPENSION DOSE	1.0000	6.51E+02	6.05E+02	1.02E+03	1.10E+03	1.32E+03	1.42E+03	1.68E+03	1.15E-03	694
WATER INGESTION DOSE	1.0000	1.32E+03	1.10E+03	1.48E+03	1.67E+03	2.13E+03	2.29E+03	2.66E+03	1.14E-03	515
POP.-DEPENDENT DECONTAMINATION DOSE	1.0000	2.84E+02	2.44E+02	4.55E+02	5.46E+02	7.60E+02	8.64E+02	1.11E+03	1.13E-03	286
FARM-DEPENDENT DECONTAMINATION DOSE	1.0000	6.45E+00	5.92E+00	9.27E+00	1.04E+01	1.22E+01	1.31E+01	1.92E+01	1.14E-04	78

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 INGESTION OF GRAINS                1.0000  2.48E+02  1.83E+02  5.90E+02  7.00E+02  7.70E+02  8.02E+02  1.10E+03  1.14E-04  138
 INGESTION OF LEAF VEG              1.0000  5.46E+02  3.30E+02  1.20E+03  1.60E+03  2.37E+03  2.65E+03  3.26E+03  1.13E-03  374
 INGESTION OF ROOT CROPS            1.0000  4.03E+02  3.07E+02  8.45E+02  9.98E+02  1.12E+03  1.17E+03  1.51E+03  1.14E-04  138
 INGESTION OF FRUITS                1.0000  5.12E+02  3.55E+02  1.06E+03  1.14E+03  1.32E+03  1.41E+03  2.15E+03  1.14E-04  138
 INGESTION OF LEGUMES               1.0000  4.42E+02  3.43E+02  8.26E+02  9.58E+02  1.08E+03  1.12E+03  1.37E+03  1.14E-04  138
 INGESTION OF BEEF                  1.0000  1.99E+03  1.72E+03  3.49E+03  3.99E+03  5.15E+03  5.40E+03  7.11E+03  1.14E-04  138
 INGESTION OF MILK                  1.0000  1.86E+03  1.40E+03  3.63E+03  4.44E+03  7.03E+03  7.87E+03  1.00E+04  1.14E-03  386
 INGESTION OF POULTRY               1.0000  6.50E+02  3.85E+02  1.36E+03  1.85E+03  3.15E+03  3.39E+03  3.96E+03  1.13E-03  374
 INGESTION OF OTHER MEAT CROPS      1.0000  1.13E+02  7.96E+01  2.27E+02  3.01E+02  5.01E+02  5.33E+02  6.07E+02  1.13E-03  374

                                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  1.74E+05  1.44E+05  3.05E+05  3.38E+05  4.28E+05  4.73E+05  5.34E+05  1.15E-03  708
 LONG-TERM DIRECT EXPOSURE PATHWAYS 1.0000  1.48E+05  1.17E+05  2.79E+05  3.19E+05  3.87E+05  4.20E+05  5.26E+05  1.15E-03  708
 TOTAL INGESTION PATHWAYS DOSE      1.0000  2.66E+04  1.82E+04  5.71E+04  6.77E+04  9.78E+04  1.05E+05  1.18E+05  1.13E-03  394
 LONG-TERM GROUNDSHINE DOSE         1.0000  1.46E+05  1.16E+05  2.76E+05  3.19E+05  3.86E+05  4.19E+05  5.22E+05  1.15E-03  708
 LONG-TERM RESUSPENSION DOSE        1.0000  1.11E+03  9.35E+02  2.01E+03  2.31E+03  3.10E+03  3.31E+03  3.81E+03  1.14E-03  402
 WATER INGESTION DOSE               1.0000  2.52E+03  2.27E+03  3.24E+03  3.47E+03  4.05E+03  4.33E+03  5.16E+03  1.13E-03  761
 POP.-DEPENDENT DECONTAMINATION DOSE  1.0000  2.84E+02  2.44E+02  4.55E+02  5.46E+02  7.60E+02  8.64E+02  1.11E+03  1.13E-03  286
 FARM-DEPENDENT DECONTAMINATION DOSE  1.0000  6.45E+00  5.92E+00  9.27E+00  1.04E+01  1.22E+01  1.31E+01  1.92E+01  1.14E-04   78
 INGESTION OF GRAINS                1.0000  1.01E+03  6.53E+02  2.68E+03  3.17E+03  4.02E+03  4.45E+03  5.46E+03  1.14E-03  858
 INGESTION OF LEAF VEG              1.0000  1.93E+03  9.31E+02  4.41E+03  6.80E+03  1.19E+04  1.40E+04  1.97E+04  1.13E-03  394
 INGESTION OF ROOT CROPS            1.0000  1.45E+03  9.17E+02  3.41E+03  3.97E+03  5.48E+03  6.15E+03  7.67E+03  1.14E-03  858
 INGESTION OF FRUITS                1.0000  2.01E+03  1.13E+03  5.19E+03  5.98E+03  7.97E+03  8.86E+03  1.10E+04  1.14E-03  858
 INGESTION OF LEGUMES               1.0000  1.37E+03  8.52E+02  3.18E+03  3.60E+03  4.81E+03  5.40E+03  6.83E+03  1.14E-03  858
 INGESTION OF BEEF                  1.0000  7.34E+03  5.22E+03  1.54E+04  2.01E+04  2.48E+04  2.71E+04  3.54E+04  1.14E-03  858
 INGESTION OF MILK                  1.0000  6.02E+03  4.09E+03  1.22E+04  1.44E+04  2.05E+04  2.23E+04  2.66E+04  1.14E-03  858
 INGESTION OF POULTRY               1.0000  2.55E+03  1.15E+03  5.94E+03  8.36E+03  1.54E+04  1.94E+04  2.31E+04  1.13E-03  394
 INGESTION OF OTHER MEAT CROPS      1.0000  4.16E+02  2.11E+02  8.96E+02  1.22E+03  2.56E+03  3.11E+03  3.71E+03  1.13E-03  394

                                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  6.49E+10  5.32E+10  1.11E+11  1.40E+11  2.15E+11  2.35E+11  2.85E+11  1.14E-03  387
   POP.-DEPENDENT COSTS             1.0000  6.30E+10  5.13E+10  1.09E+11  1.38E+11  2.14E+11  2.34E+11  2.82E+11  1.14E-03  387
   FARM-DEPENDENT COSTS             1.0000  1.90E+09  1.60E+09  3.21E+09  3.60E+09  4.70E+09  5.20E+09  6.22E+09  1.15E-03  882
   POP.-DEPENDENT DECONTAMINATION COST  1.0000  6.54E+09  5.36E+09  1.12E+10  1.41E+10  2.15E+10  2.35E+10  2.85E+10  1.14E-03  387
   FARM-DEPENDENT DECONTAMINATION COST  1.0000  2.23E+08  2.09E+08  3.07E+08  3.32E+08  3.97E+08  4.29E+08  5.14E+08  1.14E-04   78
   POP.-DEPENDENT INTERDICTION COST     1.0000  5.20E+10  3.91E+10  9.59E+10  1.20E+11  1.95E+11  2.13E+11  2.49E+11  1.14E-03  387
   FARM-DEPENDENT INTERDICTION COST     1.0000  8.21E+08  6.56E+08  1.43E+09  1.77E+09  2.56E+09  2.94E+09  3.81E+09  1.14E-03  983
   POP.-DEPENDENT CONDEMNATION COST     1.0000  3.38E+08  3.08E+08  5.80E+08  7.19E+08  1.04E+09  1.25E+09  1.83E+09  1.14E-03  331
   FARM-DEPENDENT CONDEMNATION COST     1.0000  6.56E+07  6.00E+07  1.06E+08  1.15E+08  1.40E+08  1.51E+08  2.58E+08  1.52E-04   95
   EMERGENCY PHASE COST               1.0000  4.13E+09   ****      ****      ****      ****      ****   4.13E+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  3.30E+07  2.79E+07  6.21E+07  7.75E+07  1.12E+08  1.28E+08  1.68E+08  1.14E-03  984
   CROP DISPOSAL COST                 1.0000  7.62E+08  6.56E+08  1.28E+09  1.52E+09  2.16E+09  2.40E+09  3.07E+09  1.15E-03  882

                                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  2.42E+09  2.25E+09  3.07E+09  3.15E+09  3.36E+09  3.45E+09  3.95E+09  1.43E-04    3
   POP.-DEPENDENT COSTS             1.0000  2.22E+09  2.11E+09  2.92E+09  3.05E+09  3.21E+09  3.28E+09  3.67E+09  1.43E-04    3
   FARM-DEPENDENT COSTS             1.0000  2.03E+08  2.04E+08  2.44E+08  2.63E+08  3.05E+08  3.13E+08  3.31E+08  1.11E-03  139
   POP.-DEPENDENT DECONTAMINATION COST  1.0000  2.88E+08  2.79E+08  3.54E+08  3.82E+08  4.55E+08  4.92E+08  5.53E+08  1.14E-03  389
   FARM-DEPENDENT DECONTAMINATION COST  1.0000  3.45E+07  3.21E+07  4.70E+07  5.16E+07  5.82E+07  6.13E+07  6.84E+07  1.14E-03  389
   POP.-DEPENDENT INTERDICTION COST     1.0000  1.54E+09  1.27E+09  2.06E+09  2.14E+09  2.34E+09  2.43E+09  2.63E+09  1.14E-03  389
   FARM-DEPENDENT INTERDICTION COST     1.0000  4.68E+07  4.72E+07  6.40E+07  7.04E+07  7.57E+07  7.81E+07  8.35E+07  1.14E-03  388
   POP.-DEPENDENT CONDEMNATION COST     1.0000  3.34E+08  3.07E+08  5.66E+08  6.88E+08  9.80E+08  1.08E+09  1.31E+09  1.14E-03  463
   FARM-DEPENDENT CONDEMNATION COST     1.0000  6.04E+07  5.72E+07  1.00E+08  1.04E+08  1.14E+08  1.19E+08  1.47E+08  1.14E-04   79
   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  5.32E+06  5.43E+06  7.20E+06  7.36E+06  7.75E+06  7.92E+06  8.30E+06  1.13E-03    1
   CROP DISPOSAL COST                 1.0000  5.60E+07  5.55E+07  7.28E+07  7.49E+07  7.99E+07  8.22E+07  8.72E+07  1.14E-03  388

                                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  1.06E+10  1.02E+10  1.34E+10  1.51E+10  1.99E+10  2.17E+10  2.60E+10  1.14E-03  389
   POP.-DEPENDENT COSTS             1.0000  1.03E+10  1.01E+10  1.31E+10  1.46E+10  1.90E+10  2.10E+10  2.55E+10  1.14E-03  389
   FARM-DEPENDENT COSTS             1.0000  2.87E+08  2.88E+08  3.68E+08  4.03E+08  4.96E+08  5.19E+08  5.64E+08  1.14E-03  388
   POP.-DEPENDENT DECONTAMINATION COST  1.0000  1.34E+09  1.14E+09  2.00E+09  2.13E+09  2.48E+09  2.64E+09  3.44E+09  1.14E-04    4
   FARM-DEPENDENT DECONTAMINATION COST  1.0000  5.79E+07  5.58E+07  7.77E+07  8.33E+07  9.79E+07  1.02E+08  1.10E+08  1.14E-03  553
   POP.-DEPENDENT INTERDICTION COST     1.0000  8.43E+09  7.99E+09  1.15E+10  1.25E+10  1.53E+10  1.67E+10  2.21E+10  1.14E-03  389
   FARM-DEPENDENT INTERDICTION COST     1.0000  1.01E+08  1.00E+08  1.27E+08  1.41E+08  1.79E+08  1.98E+08  2.15E+08  1.14E-03    2
   POP.-DEPENDENT CONDEMNATION COST     0.0142  4.13E+06  0.00E+00  0.00E+00  0.00E+00  2.02E+08  2.33E+08  1.16E+09  1.14E-03  331
   FARM-DEPENDENT CONDEMNATION COST     0.3732  5.21E+06  0.00E+00  1.55E+07  2.25E+07  5.54E+07  7.44E+07  1.07E+08  1.29E-03   95
   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  8.81E+06  8.57E+06  1.21E+07  1.33E+07  1.65E+07  1.80E+07  2.06E+07  1.14E-03    2
   CROP DISPOSAL COST                 1.0000  1.14E+08  1.05E+08  1.62E+08  1.95E+08  2.17E+08  2.25E+08  2.43E+08  1.14E-03  388

                                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  1.31E+10  1.14E+10  1.95E+10  2.14E+10  2.55E+10  2.75E+10  3.52E+10  1.14E-03  388
   POP.-DEPENDENT COSTS             1.0000  1.29E+10  1.12E+10  1.88E+10  2.10E+10  2.44E+10  2.61E+10  3.46E+10  1.14E-03  388
   FARM-DEPENDENT COSTS             1.0000  2.48E+08  2.28E+08  3.50E+08  3.89E+08  4.97E+08  5.28E+08  5.99E+08  1.14E-03  389
   POP.-DEPENDENT DECONTAMINATION COST  1.0000  1.34E+09  1.15E+09  2.04E+09  2.20E+09  2.60E+09  2.79E+09  3.56E+09  1.14E-03  388
   FARM-DEPENDENT DECONTAMINATION COST  1.0000  4.16E+07  3.67E+07  5.70E+07  6.34E+07  7.42E+07  7.73E+07  9.55E+07  1.43E-04   76
   POP.-DEPENDENT INTERDICTION COST     1.0000  1.04E+10  1.01E+10  1.46E+10  1.71E+10  2.25E+10  2.47E+10  2.99E+10  1.14E-03  388
   FARM-DEPENDENT INTERDICTION COST     1.0000  1.01E+08  9.17E+07  1.47E+08  1.76E+08  2.17E+08  2.29E+08  2.56E+08  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     0.0016  3.54E+04  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  7.97E+07  1.52E-04   95
   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  6.14E+06  5.37E+06  1.09E+07  1.19E+07  1.47E+07  1.61E+07  1.95E+07  1.14E-03  984
   CROP DISPOSAL COST                 1.0000  9.93E+07  9.07E+07  1.43E+08  1.68E+08  2.15E+08  2.27E+08  2.56E+08  1.14E-03  389

                                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  1.62E+10  1.15E+10  3.31E+10  4.08E+10  5.70E+10  6.27E+10  7.78E+10  1.14E-03  905
   POP.-DEPENDENT COSTS             1.0000  1.60E+10  1.14E+10  3.29E+10  4.04E+10  5.67E+10  6.26E+10  7.76E+10  1.14E-03  905
   FARM-DEPENDENT COSTS             1.0000  1.82E+08  1.57E+08  2.82E+08  3.17E+08  3.85E+08  4.18E+08  5.00E+08  1.14E-03  386
   POP.-DEPENDENT DECONTAMINATION COST  0.9989  1.39E+09  9.48E+08  3.20E+09  3.93E+09  5.62E+09  6.23E+09  7.57E+09  1.14E-03  905
   FARM-DEPENDENT DECONTAMINATION COST  0.9989  2.70E+07  2.48E+07  3.94E+07  4.58E+07  5.64E+07  6.04E+07  7.97E+07  1.14E-03  436
   POP.-DEPENDENT INTERDICTION COST     0.9989  1.21E+10  7.98E+09  2.63E+10  3.29E+10  4.91E+10  5.46E+10  6.76E+10  1.14E-03  905
   FARM-DEPENDENT INTERDICTION COST     1.0000  8.56E+07  7.47E+07  1.38E+08  1.69E+08  2.17E+08  2.30E+08  2.59E+08  1.12E-03  941
   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
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 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                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  2.42E+06  1.86E+06  4.93E+06  6.36E+06  9.76E+06  1.04E+07  1.16E+07  1.14E-03  937
 CROP DISPOSAL COST                  1.0000  6.72E+07  6.03E+07  1.10E+08  1.23E+08  1.59E+08  1.77E+08  2.02E+08  1.14E-03  386

                          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                0.9920  7.63E+09  5.48E+09  1.55E+10  2.02E+10  2.71E+10  3.04E+10  3.59E+10  1.14E-03  387
 POP.-DEPENDENT COSTS                0.9721  7.46E+09  5.31E+09  1.54E+10  2.02E+10  2.63E+10  2.95E+10  3.56E+10  1.14E-03  387
 FARM-DEPENDENT COSTS                0.9920  1.70E+08  1.44E+08  2.88E+08  3.20E+08  3.87E+08  4.20E+08  5.01E+08  1.14E-03  389
 POP.-DEPENDENT DECONTAMINATION COST 0.9721  7.58E+08  5.44E+08  1.57E+09  2.04E+09  2.64E+09  2.95E+09  3.58E+09  1.14E-03  387
 FARM-DEPENDENT DECONTAMINATION COST 0.9721  2.11E+07  2.00E+07  3.44E+07  4.02E+07  5.53E+07  6.17E+07  7.87E+07  1.14E-03  436
 POP.-DEPENDENT INTERDICTION COST    0.9721  6.70E+09  4.73E+09  1.36E+10  1.70E+10  2.38E+10  2.65E+10  3.20E+10  1.14E-03  387
 FARM-DEPENDENT INTERDICTION COST    0.9920  8.11E+07  7.17E+07  1.38E+08  1.67E+08  2.22E+08  2.39E+08  2.80E+08  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                  0.9920  2.17E+06  1.44E+06  4.74E+06  6.05E+06  1.03E+07  1.11E+07  1.32E+07  1.14E-03  984
 CROP DISPOSAL COST                  0.9920  6.61E+07  5.79E+07  1.14E+08  1.28E+08  1.67E+08  1.88E+08  2.21E+08  1.14E-03  389

                          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                0.9214  1.46E+10  5.07E+09  3.66E+10  6.86E+10  1.35E+11  1.62E+11  2.27E+11  1.15E-03  883
 POP.-DEPENDENT COSTS                0.7827  1.41E+10  4.42E+09  3.60E+10  6.84E+10  1.35E+11  1.62E+11  2.24E+11  1.15E-03  883
 FARM-DEPENDENT COSTS                0.9214  5.69E+08  4.57E+08  1.12E+09  1.28E+09  1.73E+09  1.97E+09  2.36E+09  1.15E-03  883
 POP.-DEPENDENT DECONTAMINATION COST 0.7827  1.42E+09  4.48E+08  3.60E+09  6.84E+09  1.35E+10  1.62E+10  2.26E+10  1.15E-03  883
 FARM-DEPENDENT DECONTAMINATION COST 0.7827  3.95E+07  2.57E+07  9.52E+07  1.19E+08  1.93E+08  2.15E+08  2.60E+08  1.14E-03  930
 POP.-DEPENDENT INTERDICTION COST    0.7827  1.26E+10  4.02E+09  3.31E+10  6.21E+10  1.22E+11  1.43E+11  2.02E+11  1.15E-03  883
 FARM-DEPENDENT INTERDICTION COST    0.9214  2.82E+08  2.18E+08  6.01E+08  7.29E+08  1.06E+09  1.18E+09  1.48E+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                  0.9191  6.72E+06  3.15E+06  1.85E+07  2.53E+07  4.81E+07  5.78E+07  7.59E+07  1.14E-03  983
 CROP DISPOSAL COST                  0.9214  2.41E+08  1.76E+08  5.42E+08  6.35E+08  7.94E+08  8.55E+08  1.09E+09  1.14E-03  386

                          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                0.3893  2.83E+08  0.00E+00  9.23E+08  1.36E+09  2.74E+09  3.49E+09  7.36E+09  5.99E-04  698
 POP.-DEPENDENT COSTS                0.0271  5.03E+07  0.00E+00  0.00E+00  0.00E+00  1.50E+09  3.12E+09  7.33E+09  5.99E-04  698
 FARM-DEPENDENT COSTS                0.3893  2.33E+08  0.00E+00  8.06E+08  1.11E+09  1.79E+09  2.13E+09  2.87E+09  1.15E-03  882
 POP.-DEPENDENT DECONTAMINATION COST 0.0271  5.07E+06  0.00E+00  0.00E+00  0.00E+00  1.50E+08  3.12E+08  7.38E+08  5.99E-04  698
 FARM-DEPENDENT DECONTAMINATION COST 0.0271  1.52E+06  0.00E+00  0.00E+00  0.00E+00  6.98E+07  7.74E+07  1.46E+08  8.56E-04  646
 POP.-DEPENDENT INTERDICTION COST    0.0271  4.53E+07  0.00E+00  0.00E+00  0.00E+00  1.45E+09  2.19E+09  6.60E+09  5.99E-04  698
 FARM-DEPENDENT INTERDICTION COST    0.3893  1.17E+08  0.00E+00  4.05E+08  6.01E+08  9.75E+08  1.16E+09  1.67E+09  1.14E-03  983
 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                  0.2710  1.39E+06  0.00E+00  2.78E+06  9.08E+06  2.57E+07  3.25E+07  4.78E+07  1.14E-03  860
 CROP DISPOSAL COST                  0.3893  1.13E+08  0.00E+00  3.67E+08  6.08E+08  9.78E+08  1.17E+09  1.72E+09  1.15E-03  882

                          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                0.0120  1.21E+07  0.00E+00  0.00E+00  0.00E+00  5.50E+08  8.41E+08  1.93E+09  5.99E-04  382
 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                0.0120  1.21E+07  0.00E+00  0.00E+00  0.00E+00  5.50E+08  8.41E+08  1.93E+09  5.99E-04  382
 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    0.0120  6.08E+06  0.00E+00  0.00E+00  0.00E+00  3.27E+08  4.51E+08  9.73E+08  5.99E-04  382
 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                  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CROP DISPOSAL COST                  0.0120  5.98E+06  0.00E+00  0.00E+00  0.00E+00  3.27E+08  4.51E+08  9.57E+08  5.99E-04  382

                          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                0.0000  0.00E+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 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                0.0000  0.00E+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 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    0.0000  0.00E+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 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                  0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CROP DISPOSAL 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

                          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  1.22E+02  1.10E+02  1.53E+02  1.76E+02   ****      ****   2.41E+02  2.71E-02  270
 POP.-DEPENDENT DECONTAMINATION DIST.  1.0000  1.22E+02  1.10E+02  1.53E+02  1.76E+02   ****      ****   2.41E+02  2.71E-02  270
 FARM-DEPENDENT INTERDICTION DIST.     1.0000  1.88E+02  1.64E+02  3.07E+02  3.60E+02  5.33E+02  6.78E+02  8.05E+02  4.56E-03  331
 POP.-DEPENDENT INTERDICTION DIST.     1.0000  1.22E+02  1.10E+02  1.53E+02  1.76E+02   ****      ****   2.41E+02  2.71E-02  270
 FARM-DEPENDENT CONDEMNATION DIST.     1.0000  1.74E+01  1.62E+01  2.37E+01  2.59E+01  3.18E+01  3.48E+01  4.02E+01  1.61E-03   93
 POP.-DEPENDENT CONDEMNATION DIST.     1.0000  1.13E+01  1.08E+01  1.43E+01  1.61E+01  2.08E+01  2.25E+01  2.58E+01  1.46E-03   93
 MILK DISPOSAL DIST.                   1.0000  1.71E+02  1.46E+02  2.68E+02   ****      ****      ****   3.22E+02  6.57E-02   15
 CROP DISPOSAL DIST.                   1.0000  1.88E+02  1.64E+02  3.07E+02  3.60E+02  5.33E+02  6.78E+02  8.05E+02  4.56E-03  331

                          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  1.42E+05  1.19E+05  2.02E+05  2.21E+05  2.72E+05  2.97E+05  3.43E+05  1.13E-03  317
 POP. DECONTAMINATION (INDIVIDUALS)    1.0000  8.15E+05  6.33E+05  1.45E+06  1.97E+06  3.08E+06  3.33E+06  3.92E+06  1.14E-03  387
 POP. DECONTAMINATION AREA (ha)        1.0000  2.22E+05  2.07E+05  3.17E+05  3.51E+05  4.45E+05  4.93E+05  5.75E+05  1.14E-03  884
 FARM INTERDICTION (ha)                1.0000  3.52E+05  2.77E+05  6.80E+05  8.15E+05  1.12E+06  1.23E+06  1.51E+06  1.14E-03  983
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 POP. INTERDICTION (INDIVIDUALS)       1.0000  8.15E+05  6.33E+05  1.45E+06  1.97E+06  3.08E+06  3.33E+06  3.92E+06  1.14E-03  387
 POP. INTERDICTION AREA (ha)           1.0000  2.22E+05  2.07E+05  3.17E+05  3.51E+05  4.45E+05  4.93E+05  5.75E+05  1.14E-03  884
 FARM CONDEMNATION (ha)                1.0000  3.48E+03  3.20E+03  5.48E+03  6.13E+03  7.53E+03  8.03E+03  1.27E+04  1.52E-04   95
 POP. CONDEMNATION (INDIVIDUALS)       1.0000  1.34E+03  1.12E+03  2.29E+03  2.89E+03  3.88E+03  4.37E+03  6.33E+03  1.14E-03  331
 POP. CONDEMNATION AREA (ha)           1.0000  1.37E+03  1.16E+03  2.12E+03  2.45E+03  3.24E+03  3.52E+03  4.20E+03  1.13E-03  285
 MILK DISPOSAL AREA (ha)               1.0000  3.01E+05  2.15E+05  5.92E+05  7.19E+05  1.00E+06  1.15E+06  1.52E+06  1.14E-03  983
 CROP DISPOSAL AREA (ha)               1.0000  3.56E+05  2.81E+05  6.83E+05  8.17E+05  1.12E+06  1.23E+06  1.52E+06  1.14E-03  983

                          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  1.60E+04  1.35E+04  2.14E+04  2.26E+04  2.55E+04  2.68E+04  3.05E+04  1.14E-03  388
 POP. DECONTAMINATION (INDIVIDUALS)    1.0000  2.16E+04  2.07E+04  3.03E+04  3.16E+04  3.51E+04  3.67E+04  4.03E+04  1.14E-03  389
 POP. DECONTAMINATION AREA (ha)        1.0000  1.83E+04  1.67E+04  2.41E+04  2.65E+04  3.08E+04  3.16E+04  3.33E+04  1.14E-03  389
 FARM INTERDICTION (ha)                1.0000  1.77E+04  1.58E+04  2.33E+04  2.53E+04  3.02E+04  3.13E+04  3.37E+04  1.14E-03  388
 POP. INTERDICTION (INDIVIDUALS)       1.0000  2.16E+04  2.07E+04  3.03E+04  3.16E+04  3.51E+04  3.67E+04  4.03E+04  1.14E-03  389
 POP. INTERDICTION AREA (ha)           1.0000  1.83E+04  1.67E+04  2.41E+04  2.65E+04  3.08E+04  3.16E+04  3.33E+04  1.14E-03  389
 FARM CONDEMNATION (ha)                1.0000  3.21E+03  3.07E+03  4.92E+03  5.33E+03  6.28E+03  6.73E+03  7.28E+03  1.12E-03  577
 POP. CONDEMNATION (INDIVIDUALS)       1.0000  1.32E+03  1.12E+03  2.23E+03  2.71E+03  3.61E+03  4.01E+03  5.08E+03  1.14E-03  463
 POP. CONDEMNATION AREA (ha)           1.0000  1.37E+03  1.16E+03  2.08E+03  2.36E+03  3.12E+03  3.43E+03  4.20E+03  1.13E-03  285
 MILK DISPOSAL AREA (ha)               1.0000  2.06E+04  2.07E+04  2.72E+04  3.01E+04  3.16E+04  3.22E+04  3.37E+04  1.14E-03  388
 CROP DISPOSAL AREA (ha)               1.0000  2.09E+04  2.08E+04  2.82E+04  3.04E+04  3.20E+04  3.27E+04  3.43E+04  1.14E-03  388

                          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)             1.0000  3.22E+04  3.09E+04  4.37E+04  5.03E+04  5.79E+04  6.15E+04  7.21E+04  1.14E-03  389
 POP. DECONTAMINATION (INDIVIDUALS)    1.0000  1.32E+05  1.13E+05  1.93E+05  2.11E+05  2.45E+05  2.62E+05  3.48E+05  1.14E-03  389
 POP. DECONTAMINATION AREA (ha)        1.0000  4.02E+04  3.55E+04  5.45E+04  6.00E+04  7.43E+04  8.08E+04  9.68E+04  1.14E-03  389
 FARM INTERDICTION (ha)                1.0000  4.07E+04  3.69E+04  6.10E+04  6.94E+04  7.91E+04  8.35E+04  9.37E+04  1.14E-03  388
 POP. INTERDICTION (INDIVIDUALS)       1.0000  1.32E+05  1.13E+05  1.93E+05  2.11E+05  2.45E+05  2.62E+05  3.48E+05  1.14E-03  389
 POP. INTERDICTION AREA (ha)           1.0000  4.02E+04  3.55E+04  5.45E+04  6.00E+04  7.43E+04  8.08E+04  9.68E+04  1.14E-03  389
 FARM CONDEMNATION (ha)                0.3732  2.68E+02  0.00E+00  8.10E+02  1.16E+03  2.37E+03  3.37E+03  4.98E+03  1.29E-03   95
 POP. CONDEMNATION (INDIVIDUALS)       0.0142  1.50E+01  0.00E+00  0.00E+00  0.00E+00  7.23E+02  8.55E+02  4.03E+03  1.14E-03  331
 POP. CONDEMNATION AREA (ha)           0.0142  7.63E+00  0.00E+00  0.00E+00  0.00E+00  5.04E+02  5.60E+02  1.18E+03  1.14E-03  331
 MILK DISPOSAL AREA (ha)               1.0000  3.95E+04  3.57E+04  5.80E+04  6.51E+04  7.50E+04  7.81E+04  8.51E+04  1.14E-03    2
 CROP DISPOSAL AREA (ha)               1.0000  4.09E+04  3.72E+04  6.12E+04  6.97E+04  7.92E+04  8.35E+04  9.37E+04  1.14E-03  388

                          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  2.81E+04  2.61E+04  3.74E+04  4.19E+04  5.34E+04  5.82E+04  7.11E+04  1.14E-03  389
 POP. DECONTAMINATION (INDIVIDUALS)    1.0000  1.64E+05  1.36E+05  2.43E+05  2.78E+05  3.53E+05  3.87E+05  4.71E+05  1.14E-03  388
 POP. DECONTAMINATION AREA (ha)        1.0000  4.31E+04  3.85E+04  5.86E+04  6.50E+04  8.16E+04  8.98E+04  1.22E+05  1.14E-03  389
 FARM INTERDICTION (ha)                1.0000  4.16E+04  3.66E+04  6.56E+04  7.50E+04  9.65E+04  1.04E+05  1.16E+05  1.14E-03  388
 POP. INTERDICTION (INDIVIDUALS)       1.0000  1.64E+05  1.36E+05  2.43E+05  2.78E+05  3.53E+05  3.87E+05  4.71E+05  1.14E-03  388
 POP. INTERDICTION AREA (ha)           1.0000  4.31E+04  3.85E+04  5.86E+04  6.50E+04  8.16E+04  8.98E+04  1.22E+05  1.14E-03  389
 FARM CONDEMNATION (ha)                0.0016  1.95E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  3.72E+03  1.52E-04   95
 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)               1.0000  3.91E+04  3.46E+04  6.01E+04  7.02E+04  8.68E+04  9.51E+04  1.02E+05  1.14E-03  984
 CROP DISPOSAL AREA (ha)               1.0000  4.16E+04  3.66E+04  6.56E+04  7.50E+04  9.65E+04  1.04E+05  1.16E+05  1.14E-03  388

                          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)             0.9989  1.97E+04  1.77E+04  2.91E+04  3.25E+04  4.07E+04  4.48E+04  5.51E+04  1.14E-03  436
 POP. DECONTAMINATION (INDIVIDUALS)    0.9989  1.91E+05  1.25E+05  4.06E+05  5.29E+05  7.88E+05  8.81E+05  1.06E+06  1.14E-03  905
 POP. DECONTAMINATION AREA (ha)        0.9989  3.76E+04  3.38E+04  5.68E+04  6.47E+04  8.20E+04  9.00E+04  1.21E+05  1.14E-03  388
 FARM INTERDICTION (ha)                1.0000  3.58E+04  3.06E+04  6.03E+04  7.14E+04  9.58E+04  1.05E+05  1.24E+05  1.14E-03  386
 POP. INTERDICTION (INDIVIDUALS)       0.9989  1.91E+05  1.25E+05  4.06E+05  5.29E+05  7.88E+05  8.81E+05  1.06E+06  1.14E-03  905
 POP. INTERDICTION AREA (ha)           0.9989  3.76E+04  3.38E+04  5.68E+04  6.47E+04  8.20E+04  9.00E+04  1.21E+05  1.14E-03  388
 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)               1.0000  3.26E+04  2.78E+04  5.53E+04  6.65E+04  8.57E+04  9.46E+04  1.03E+05  1.12E-03  941
 CROP DISPOSAL AREA (ha)               1.0000  3.58E+04  3.06E+04  6.03E+04  7.14E+04  9.58E+04  1.05E+05  1.24E+05  1.14E-03  386

                          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)             0.9721  1.57E+04  1.33E+04  2.51E+04  2.95E+04  3.89E+04  4.38E+04  5.91E+04  1.14E-03  436
 POP. DECONTAMINATION (INDIVIDUALS)    0.9721  1.06E+05  7.57E+04  2.33E+05  2.78E+05  3.64E+05  4.02E+05  5.03E+05  1.14E-03  387
 POP. DECONTAMINATION AREA (ha)        0.9721  2.92E+04  2.56E+04  5.03E+04  5.76E+04  7.54E+04  8.21E+04  9.86E+04  1.13E-03    1
 FARM INTERDICTION (ha)                0.9920  3.44E+04  3.00E+04  6.29E+04  7.54E+04  1.04E+05  1.12E+05  1.30E+05  1.14E-03  386
 POP. INTERDICTION (INDIVIDUALS)       0.9721  1.06E+05  7.57E+04  2.33E+05  2.78E+05  3.64E+05  4.02E+05  5.03E+05  1.14E-03  387
 POP. INTERDICTION AREA (ha)           0.9721  2.92E+04  2.56E+04  5.03E+04  5.76E+04  7.54E+04  8.21E+04  9.86E+04  1.13E-03    1
 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)               0.9920  3.04E+04  2.52E+04  5.55E+04  6.69E+04  9.04E+04  1.01E+05  1.12E+05  1.14E-03  984
 CROP DISPOSAL AREA (ha)               0.9920  3.44E+04  3.00E+04  6.29E+04  7.54E+04  1.04E+05  1.12E+05  1.30E+05  1.14E-03  386

                          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)             0.7827  2.97E+04  2.04E+04  7.13E+04  9.22E+04  1.30E+05  1.48E+05  1.96E+05  1.14E-03  930
 POP. DECONTAMINATION (INDIVIDUALS)    0.7827  1.99E+05  6.33E+04  5.30E+05  9.77E+05  2.15E+06  2.51E+06  3.18E+06  1.15E-03  883
 POP. DECONTAMINATION AREA (ha)        0.7827  5.16E+04  3.52E+04  1.16E+05  1.46E+05  2.20E+05  2.43E+05  3.57E+05  1.15E-03  883
 FARM INTERDICTION (ha)                0.9214  1.24E+05  9.65E+04  2.68E+05  3.20E+05  4.32E+05  4.92E+05  6.34E+05  1.14E-03  386
 POP. INTERDICTION (INDIVIDUALS)       0.7827  1.99E+05  6.33E+04  5.30E+05  9.77E+05  2.15E+06  2.51E+06  3.18E+06  1.15E-03  883
 POP. INTERDICTION AREA (ha)           0.7827  5.16E+04  3.52E+04  1.16E+05  1.46E+05  2.20E+05  2.43E+05  3.57E+05  1.15E-03  883
 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)               0.9191  1.01E+05  6.65E+04  2.31E+05  2.83E+05  4.01E+05  4.63E+05  5.88E+05  1.14E-03  984
 CROP DISPOSAL AREA (ha)               0.9214  1.24E+05  9.65E+04  2.68E+05  3.20E+05  4.32E+05  4.92E+05  6.34E+05  1.14E-03  386

                          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)             0.0271  1.14E+03  0.00E+00  0.00E+00  0.00E+00  5.18E+04  5.64E+04  1.10E+05  8.56E-04  646
 POP. DECONTAMINATION (INDIVIDUALS)    0.0271  7.13E+02  0.00E+00  0.00E+00  0.00E+00  2.49E+04  3.24E+04  1.04E+05  5.99E-04  698
 POP. DECONTAMINATION AREA (ha)        0.0271  2.10E+03  0.00E+00  0.00E+00  0.00E+00  7.85E+04  1.01E+05  1.63E+05  1.14E-03  383
 FARM INTERDICTION (ha)                0.3893  5.40E+04  0.00E+00  1.87E+05  2.73E+05  4.49E+05  5.30E+05  8.07E+05  1.13E-03  356
 POP. INTERDICTION (INDIVIDUALS)       0.0271  7.13E+02  0.00E+00  0.00E+00  0.00E+00  2.49E+04  3.24E+04  1.04E+05  5.99E-04  698
 POP. INTERDICTION AREA (ha)           0.0271  2.10E+03  0.00E+00  0.00E+00  0.00E+00  7.85E+04  1.01E+05  1.63E+05  1.14E-03  383
 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
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 MILK DISPOSAL AREA (ha)          0.3024  3.78E+04  0.00E+00  1.43E+05  2.24E+05  3.65E+05  4.23E+05  6.64E+05  1.14E-03  983
 CROP DISPOSAL AREA (ha)          0.3893  5.40E+04  0.00E+00  1.87E+05  2.73E+05  4.49E+05  5.30E+05  8.07E+05  1.13E-03  356

                          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)          0.0000  0.00E+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)             0.0120  4.39E+03  0.00E+00  0.00E+00  0.00E+00  2.24E+05  3.49E+05  7.03E+05  5.99E-04  382
 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)            0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CROP DISPOSAL AREA (ha)            0.0120  4.39E+03  0.00E+00  0.00E+00  0.00E+00  2.24E+05  3.49E+05  7.03E+05  5.99E-04  382

                          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)             0.0000  0.00E+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 (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)            0.0000  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00    0
 CROP DISPOSAL 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

                          PROB                QUANTILES                 PEAK     PEAK  PEAK
                       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  1.0000  1.52E-02  1.22E-02  2.78E-02  3.05E-02  3.25E-02  3.33E-02  3.53E-02  1.13E-03  132
 PROJECTED FOR INDIVIDUAL 25.8-32.2 km  1.0000  1.66E-02  1.33E-02  3.01E-02  3.09E-02  3.28E-02  3.36E-02  3.55E-02  1.14E-03  189
 PROJECTED FOR INDIVIDUAL 40.2-48.3 km  1.0000  1.68E-02  1.37E-02  3.00E-02  3.05E-02  3.15E-02  3.20E-02  3.45E-02  1.43E-04  158
 PROJECTED FOR INDIVIDUAL 48.3-64.4 km  1.0000  1.67E-02  1.35E-02  3.00E-02  3.05E-02  3.15E-02  3.19E-02  3.43E-02  1.52E-04  137
 PROJECTED FOR INDIVIDUAL 64.4-80.5 km  1.0000  1.67E-02  1.36E-02  3.01E-02  3.07E-02  3.21E-02  3.28E-02  3.42E-02  1.15E-03  212
 PROJECTED FOR INDIVIDUAL   113-161 km  1.0000  1.58E-02  1.33E-02  2.92E-02  3.06E-02  3.23E-02  3.30E-02  3.47E-02  1.14E-03  155
 PROJECTED FOR INDIVIDUAL   241-322 km  1.0000  1.00E-02  7.42E-03  2.15E-02  2.41E-02  3.05E-02  3.18E-02  3.49E-02  1.15E-03  152
 PROJECTED FOR INDIVIDUAL   563-805 km  1.0000  2.45E-03  8.74E-04  6.86E-03  8.30E-03  1.30E-02  1.59E-02  2.46E-02  1.15E-03  330
 PROJECTED FOR INDIVIDUAL  805-1609 km  1.0000  1.63E-04  3.66E-05  4.95E-04  8.24E-04  1.38E-03  1.64E-03  2.24E-03  1.13E-03  955

                          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  1.0000  3.83E-02  2.70E-02  7.88E-02  8.84E-02  1.06E-01  1.11E-01  1.22E-01  1.13E-03  132
 PROJECTED FOR INDIVIDUAL 25.8-32.2 km  1.0000  4.35E-02  3.49E-02  8.25E-02  9.37E-02  1.08E-01  1.13E-01  1.23E-01  1.15E-03  301
 PROJECTED FOR INDIVIDUAL 40.2-48.3 km  1.0000  4.39E-02  3.50E-02  8.25E-02  9.25E-02  1.08E-01  1.13E-01  1.24E-01  1.14E-03  308
 PROJECTED FOR INDIVIDUAL 48.3-64.4 km  1.0000  4.29E-02  3.32E-02  8.28E-02  9.50E-02  1.08E-01  1.13E-01  1.23E-01  1.14E-03  294
 PROJECTED FOR INDIVIDUAL 64.4-80.5 km  1.0000  4.24E-02  3.42E-02  8.06E-02  9.11E-02  1.07E-01  1.12E-01  1.22E-01  1.09E-03  287
 PROJECTED FOR INDIVIDUAL   113-161 km  1.0000  3.87E-02  3.19E-02  7.66E-02  8.54E-02  1.04E-01  1.09E-01  1.21E-01  1.14E-03  243
 PROJECTED FOR INDIVIDUAL   241-322 km  1.0000  2.05E-02  1.26E-02  4.77E-02  5.57E-02  7.70E-02  9.12E-02  1.19E-01  1.15E-03  152
 PROJECTED FOR INDIVIDUAL   563-805 km  1.0000  4.04E-03  1.31E-03  1.06E-02  1.27E-02  1.95E-02  2.25E-02  3.03E-02  1.15E-03  330
 PROJECTED FOR INDIVIDUAL  805-1609 km  1.0000  2.87E-04  6.60E-05  1.03E-03  1.50E-03  2.29E-03  2.49E-03  3.67E-03  1.14E-03  957

 **** 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 338851.062 CPU seconds

   Input processing required      6.656 CPU seconds
       Simulation required 338840.812 CPU seconds
  Output processing required      3.594 CPU seconds
```