MACCS2 11/13/2012 17:00:14 Version 3.7.0.0 : 11/9/12 170014.859
P1: ATMOS USER INPUT (UNIT 24) = C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\10-mile evac\3.4 LowDensity\Input\Atmos1.inp
P2: EARLY USER INPUT (UNIT 25) = C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\10-mile evac\3.4 LowDensity\Input\Early1.inp
P3: CHRONC USER INPUT (UNIT 26) = C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\10-mile evac\3.4 LowDensity\Input\Chronc1.inp
P4: METEOROLOGY DATA (UNIT 28) = C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\10-mile evac\3.4 LowDensity\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)\10-mile evac\3.4 LowDensity\Data\PBsite2011_64cp_26r rev1_64.inp
P6: LIST OUTPUT (UNIT 06) = C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\10-mile evac\3.4 LowDensity\Output\Model1.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 4:58:00 PM
    *
    * MACCS2 Cyclical File: C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\10-mile evac\3.4 LowDensity\Data\LNT.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     'OCP3 low density no spray'
    *
    * NUMRAD, Number of Radial Spatial Elements
  2 GENUMRAD001     26
    *
    * SPAEND, Spatial Endpoint Distances (km)
  3 GESPAEND001     0.16
  4 GESPAEND002     0.52
  5 GESPAEND003     1.21
  6 GESPAEND004     1.61
  7 GESPAEND005     2.13
  8 GESPAEND006     3.22
  9 GESPAEND007     4.02
 10 GESPAEND008     4.83
 11 GESPAEND009     5.63
 12 GESPAEND010     8.05
 13 GESPAEND011     11.27
 14 GESPAEND012     16.09
 15 GESPAEND013     20.92
 16 GESPAEND014     25.75
 17 GESPAEND015     32.19
 18 GESPAEND016     40.23
 19 GESPAEND017     48.28
 20 GESPAEND018     64.37
 21 GESPAEND019     80.47
 22 GESPAEND020     112.65
 23 GESPAEND021     160.93
 24 GESPAEND022     241.14
 25 GESPAEND023     321.87
 26 GESPAEND024     563.27
 27 GESPAEND025     804.67
 28 GESPAEND026     1609.34
    *
    * Form 'Site File' Comment:
    * Updated to 2011 using Census Bureau data and CPI data.
    *
    * NUMCOR, Number of angular compass directions
 29 GENUMCOR001     64
    *
    * Form 'Radionuclides' Comment:
    * From ORIGEN, and updated to correct for isotope-by-isotope release fractions (which cannot be done in the chemical group release fractions).
    *
    * NUMISO, Number of Nuclides
 30 ISNUMISO001     69
    *
    * Form 'Chemical Names' Comment:
    * Group names are imported from MELMACCS.
    *
    * MAXGRP, Number of Element Groups
 31 ISMAXGRP001     9
    *
    * Form 'Wet/Dry Depos Flags' Comment:
    * No change
    *
    * WETDEP, DRYDEP, Wet and Dry Deposition Flags for Each Nuclide Group
 32 ISDEPFLA001     .FALSE. .FALSE.
 33 ISDEPFLA002     .TRUE.  .TRUE.
 34 ISDEPFLA003     .TRUE.  .TRUE.
 35 ISDEPFLA004     .TRUE.  .TRUE.
 36 ISDEPFLA005     .TRUE.  .TRUE.
 37 ISDEPFLA006     .TRUE.  .TRUE.
 38 ISDEPFLA007     .TRUE.  .TRUE.
 39 ISDEPFLA008     .TRUE.  .TRUE.
 40 ISDEPFLA009     .TRUE.  .TRUE.
    *
    * NUMSTB_ZERO = 0
 41 ISNUMSTB001     0
    *
    * Form 'Pseudostable Radionuclides' Comment:
    * Come in thru MELMACCS.
    *
    * NUMSTB, Number of Pseudostable Radionuclides
 42 ISNUMSTB001     16
******** RECORD NUMBER 42 REPLACES RECORD NUMBER 41 ********
    *
    * NAMSTB, List of Pseudostable Radionuclides
 43 ISNAMSTB001     I-129
 44 ISNAMSTB002     Xe-131m
 45 ISNAMSTB003     Xe-133m
 46 ISNAMSTB004     Cs-135
 47 ISNAMSTB005     Sm-147
 48 ISNAMSTB006     U-234
 49 ISNAMSTB007     U-235
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 50  ISNAMSTB008     U-236
 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:
```

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   * From Nate's draft report (April 2007).
   *
   * 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.
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208 WEBUILDH028     50.
209 WEBUILDH029     50.
210 WEBUILDH030     50.
211 WEBUILDH031     50.
    *
    * SIGYINIT, initial value of sigma-y for each of the plumes (meters)
212 SIGYINIT001     11.6
213 SIGYINIT002     11.6
214 SIGYINIT003     11.6
215 SIGYINIT004     11.6
216 SIGYINIT005     11.6
217 SIGYINIT006     11.6
218 SIGYINIT007     11.6
219 SIGYINIT008     11.6
220 SIGYINIT009     11.6
221 SIGYINIT010     11.6
222 SIGYINIT011     11.6
223 SIGYINIT012     11.6
224 SIGYINIT013     11.6
225 SIGYINIT014     11.6
226 SIGYINIT015     11.6
227 SIGYINIT016     11.6
228 SIGYINIT017     11.6
229 SIGYINIT018     11.6
230 SIGYINIT019     11.6
231 SIGYINIT020     11.6
232 SIGYINIT021     11.6
233 SIGYINIT022     11.6
234 SIGYINIT023     11.6
235 SIGYINIT024     11.6
236 SIGYINIT025     11.6
237 SIGYINIT026     11.6
238 SIGYINIT027     11.6
239 SIGYINIT028     11.6
240 SIGYINIT029     11.6
241 SIGYINIT030     11.6
242 SIGYINIT031     11.6
    *
    * SIGZINIT, initial value of sigma-z for each of the plumes (meters)
243 SIGZINIT001     23.3
244 SIGZINIT002     23.3
245 SIGZINIT003     23.3
246 SIGZINIT004     23.3
247 SIGZINIT005     23.3
248 SIGZINIT006     23.3
249 SIGZINIT007     23.3
250 SIGZINIT008     23.3
251 SIGZINIT009     23.3
252 SIGZINIT010     23.3
253 SIGZINIT011     23.3
254 SIGZINIT012     23.3
255 SIGZINIT013     23.3
256 SIGZINIT014     23.3
257 SIGZINIT015     23.3
258 SIGZINIT016     23.3
259 SIGZINIT017     23.3
260 SIGZINIT018     23.3
261 SIGZINIT019     23.3
262 SIGZINIT020     23.3
263 SIGZINIT021     23.3
264 SIGZINIT022     23.3
265 SIGZINIT023     23.3
266 SIGZINIT024     23.3
267 SIGZINIT025     23.3
268 SIGZINIT026     23.3
269 SIGZINIT027     23.3
270 SIGZINIT028     23.3
271 SIGZINIT029     23.3
272 SIGZINIT030     23.3
273 SIGZINIT031     23.3
    *
    * ATNAM2, specific descriptive text describing this particular source term
274 RDATNAM2001     'OCP3 low density no spray'
    *
    * OALARM, time after accident initiation that off-site alarm is initiated (sec)
275 RDOALARM001     3600.
    *
    * Form 'Plume Parameters' Comment:
    * These values come from MELCOR PTF file.  Plume discretization is done by user.
    *
    * NUMREL, number of plumes
276 RDNUMREL001     31
    *
    * MAXRIS, selection of risk-dominant plume segment
277 RDMAXRIS001     2
    *
    * REFTIM, representative time point for dispersion and radioactive decay
278 RDREFTIM001     0.
279 RDREFTIM002     0.5
280 RDREFTIM003     0.5
281 RDREFTIM004     0.5
282 RDREFTIM005     0.5
283 RDREFTIM006     0.5
284 RDREFTIM007     0.5
285 RDREFTIM008     0.5
286 RDREFTIM009     0.5
287 RDREFTIM010     0.5
288 RDREFTIM011     0.5
289 RDREFTIM012     0.5
290 RDREFTIM013     0.5
291 RDREFTIM014     0.5
292 RDREFTIM015     0.5
293 RDREFTIM016     0.5
294 RDREFTIM017     0.5
295 RDREFTIM018     0.5
296 RDREFTIM019     0.5
297 RDREFTIM020     0.5
298 RDREFTIM021     0.5
299 RDREFTIM022     0.5
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RDREFTIM023     0.5
RDREFTIM024     0.5
RDREFTIM025     0.5
RDREFTIM026     0.5
RDREFTIM027     0.5
RDREFTIM028     0.5
RDREFTIM029     0.5
RDREFTIM030     0.5
RDREFTIM031     0.5
  *
  * PLM_DEN, plume rise model density
RDPLMMOD001     DENSITY
  *
  * Form 'Density and Flow' Comment:
  * Come in thru MELMACCS.
  *
  * PLMFLO, Heat by Density
RDPLMFLA001     0.13828
RDPLMFLA002     1.0663
RDPLMFLA003     1.7425
RDPLMFLA004     1.4175
RDPLMFLA005     1.3887
RDPLMFLA006     1.3389
RDPLMFLA007     1.332
RDPLMFLA008     1.3021
RDPLMFLA009     1.2124
RDPLMFLA010     1.2111
RDPLMFLA011     1.2104
RDPLMFLA012     1.2025
RDPLMFLA013     1.2016
RDPLMFLA014     1.1983
RDPLMFLA015     1.1943
RDPLMFLA016     1.1948
RDPLMFLA017     1.1969
RDPLMFLA018     1.1968
RDPLMFLA019     1.197
RDPLMFLA020     1.1974
RDPLMFLA021     1.2029
RDPLMFLA022     1.2041
RDPLMFLA023     1.2017
RDPLMFLA024     1.2527
RDPLMFLA025     1.2524
RDPLMFLA026     1.2042
RDPLMFLA027     1.2056
RDPLMFLA028     1.2055
RDPLMFLA029     1.2063
RDPLMFLA030     1.2074
RDPLMFLA031     1.2085
  *
  * PLMDEN, Heat by Density
RDPLMDEN001     1.0601
RDPLMDEN002     0.89765
RDPLMDEN003     0.72937
RDPLMDEN004     0.72574
RDPLMDEN005     0.73513
RDPLMDEN006     0.74423
RDPLMDEN007     0.75136
RDPLMDEN008     0.75816
RDPLMDEN009    0.76735
RDPLMDEN010     0.77797
RDPLMDEN011     0.78769
RDPLMDEN012     0.7957
RDPLMDEN013     0.80169
RDPLMDEN014     0.80682
RDPLMDEN015     0.81097
RDPLMDEN016     0.81426
RDPLMDEN017     0.81682
RDPLMDEN018     0.81878
RDPLMDEN019     0.82025
RDPLMDEN020     0.82132
RDPLMDEN021     0.82206
RDPLMDEN022     0.82254
RDPLMDEN023     0.82282
RDPLMDEN024     0.82293
RDPLMDEN025     0.82291
RDPLMDEN026     0.82278
RDPLMDEN027     0.82255
RDPLMDEN028     0.82225
RDPLMDEN029     0.8219
RDPLMDEN030     0.82151
RDPLMDEN031     0.82109
  *
  * BRGSMD, Briggs plume rise model
RDBRGSMD001     IMPROVED
  *
  * PLHITE, height of each plume segment at release (meters)
RDPLHITE001     50.
RDPLHITE002     50.
RDPLHITE003     50.
RDPLHITE004     50.
RDPLHITE005     50.
RDPLHITE006     50.
RDPLHITE007     50.
RDPLHITE008     50.
RDPLHITE009     50.
RDPLHITE010     50.
RDPLHITE011     50.
RDPLHITE012     50.
RDPLHITE013     50.
RDPLHITE014     50.
RDPLHITE015     50.
RDPLHITE016     50.
RDPLHITE017     50.
RDPLHITE018     50.
RDPLHITE019     50.
RDPLHITE020     50.
RDPLHITE021     50.
RDPLHITE022     50.
RDPLHITE023     50.
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RDPLHITE024     50.
RDPLHITE025     50.
RDPLHITE026     50.
RDPLHITE027     50.
RDPLHITE028     50.
RDPLHITE029     50.
RDPLHITE030     50.
RDPLHITE031     50.
*
* PLUDUR, duration of each plume segment (sec)
RDPLUDUR001     1439.
RDPLUDUR002     3600.
RDPLUDUR003     3600.
RDPLUDUR004     3600.
RDPLUDUR005     3600.
RDPLUDUR006     3600.
RDPLUDUR007     3600.
RDPLUDUR008     3600.
RDPLUDUR009     3600.
RDPLUDUR010     3600.
RDPLUDUR011     3600.
RDPLUDUR012     3600.
RDPLUDUR013     3600.
RDPLUDUR014     3600.
RDPLUDUR015     3600.
RDPLUDUR016     3600.
RDPLUDUR017     3600.
RDPLUDUR018     3600.
RDPLUDUR019     3600.
RDPLUDUR020     3600.
RDPLUDUR021     3600.
RDPLUDUR022     3600.
RDPLUDUR023     3600.
RDPLUDUR024     3600.
RDPLUDUR025     3600.
RDPLUDUR026     3600.
RDPLUDUR027     3600.
RDPLUDUR028     3600.
RDPLUDUR029     3600.
RDPLUDUR030     3600.
RDPLUDUR031     3600.
*
* PDELAY, time of release for each plume from xxxx (sec)
RDPDELAY001     1.49761E+05
RDPDELAY002     1.51200E+05
RDPDELAY003     1.54800E+05
RDPDELAY004     1.58400E+05
RDPDELAY005     1.62000E+05
RDPDELAY006     1.65600E+05
RDPDELAY007     1.69200E+05
RDPDELAY008     1.72800E+05
RDPDELAY009     1.76400E+05
RDPDELAY010     1.80000E+05
RDPDELAY011     1.83600E+05
RDPDELAY012     1.87200E+05
RDPDELAY013     1.90800E+05
RDPDELAY014     1.94400E+05
RDPDELAY015     1.98000E+05
RDPDELAY016     2.01600E+05
RDPDELAY017     2.05200E+05
RDPDELAY018     2.08800E+05
RDPDELAY019     2.12400E+05
RDPDELAY020     2.16000E+05
RDPDELAY021     2.19600E+05
RDPDELAY022     2.23200E+05
RDPDELAY023     2.26800E+05
RDPDELAY024     2.30400E+05
RDPDELAY025     2.34000E+05
RDPDELAY026     2.37600E+05
RDPDELAY027     2.41200E+05
RDPDELAY028     2.44800E+05
RDPDELAY029     2.48400E+05
RDPDELAY030     2.52000E+05
RDPDELAY031     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  1.E-01
RDPSDIST002     4.322E-02       1.2312E-01      1.6798E-01      7.6416E-02      1.5644E-01      2.6678E-01      1.2244E-01      1.4178E-02      6.9871E-04      2.8727E-02
RDPSDIST003     4.5577E-02      9.8415E-02      1.1364E-01      6.6482E-02      1.7592E-01      3.0033E-01      1.4245E-01      1.7462E-02      8.9204E-04      3.8834E-02
RDPSDIST004     4.3872E-02      1.0599E-01      1.2062E-01      6.5441E-02      1.7898E-01      3.0619E-01      1.4506E-01      1.7497E-02      7.9859E-04      1.5549E-02
RDPSDIST005     4.3866E-02      1.1383E-01      1.4488E-01      7.1586E-02      1.663E-01       2.8387E-01      1.3234E-01      1.5666E-02      7.5146E-04      2.691E-02
RDPSDIST006     3.5221E-02      2.1349E-01      3.7254E-01      1.1522E-01      7.9686E-02      1.3419E-01      4.3894E-02      1.5061E-03      7.2501E-06      4.2505E-03
RDPSDIST007     3.5226E-02      2.1345E-01      3.7237E-01      1.1517E-01      7.9751E-02      1.343E-01       4.3958E-02      1.5144E-03      7.4842E-06      4.2565E-03
RDPSDIST008     3.5221E-02      2.1349E-01      3.7254E-01      1.1522E-01      7.9686E-02      1.3419E-01      4.3894E-02      1.5061E-03      7.2501E-06      4.2505E-03
RDPSDIST009     3.5221E-02      2.1349E-01      3.7254E-01      1.1522E-01      7.9686E-02      1.3419E-01      4.3894E-02      1.5061E-03      7.2501E-06      4.2505E-03
*
* CORINV, inventory of each radionuclide present in the facility at the time of accident initiation (becquerels)
RDCORINV001     Kr-85   4.58E+16
RDCORINV002     Kr-85m  0.
RDCORINV003     Kr-87   0.
RDCORINV004     Kr-88   0.
RDCORINV005     Xe-133  4.2E+16
RDCORINV006     Xe-135  7.02E-11
RDCORINV007     Xe-135m 0.
RDCORINV008     Cs-134  8.52E+17
RDCORINV009     Cs-136  3.55E+16
RDCORINV010     Cs-137  6.33E+17
RDCORINV011     Rb-86   1.98E+15
RDCORINV012     Rb-88   0.
RDCORINV013     Ba-139  0.
RDCORINV014     Ba-140  4.56E+17
RDCORINV015     Sr-89   9.48E+17
RDCORINV016     Sr-90   3.38E+17
RDCORINV017     Sr-91   1.72E-10
RDCORINV018     Sr-92   0.
RDCORINV019     Ba-137m 4.54E+17
```

494 RDCORINV020 I-131 5.28E+16
495 RDCORINV021 I-132 6.81E+14
496 RDCORINV022 I-133 3.54000E+05
497 RDCORINV023 I-134 0.
498 RDCORINV024 I-135 0.
499 RDCORINV025 Te-127 1.67E+16
500 RDCORINV026 Te-127m 1.69E+16
501 RDCORINV027 Te-129 2.02E+16
502 RDCORINV028 Te-129m 3.15E+16
503 RDCORINV029 Te-131m 3.07E+08
504 RDCORINV030 Te-132 6.62E+14
505 RDCORINV031 Te-131 6.91E+07
506 RDCORINV032 Rh-105 5.29E+10
507 RDCORINV033 Ru-103 1.26E+18
508 RDCORINV034 Ru-105 0.
509 RDCORINV035 Ru-106 1.05E+18
510 RDCORINV036 Rh-103m 1.25E+18
511 RDCORINV037 Rh-106 1.05E+18
512 RDCORINV038 Nb-95 1.72E+18
513 RDCORINV039 Co-58 2.05E+14
514 RDCORINV040 Co-60 8.82E+14
515 RDCORINV041 Mo-99 1.97E+14
516 RDCORINV042 Tc-99m 1.91E+14
517 RDCORINV043 Nb-97 328.
518 RDCORINV044 Nb-97m 288.
519 RDCORINV045 Ce-141 1.06E+18
520 RDCORINV046 Ce-143 1.67E+10
521 RDCORINV047 Ce-144 1.77E+18
522 RDCORINV048 Np-239 6.88E+14
523 RDCORINV049 Pu-238 1.11E+16
524 RDCORINV050 Pu-239 6.88E+14
525 RDCORINV051 Pu-240 1.44E+15
526 RDCORINV052 Pu-241 3.1E+17
527 RDCORINV053 Zr-95 1.52E+18
528 RDCORINV054 Zr-97 362.
529 RDCORINV055 Am-241 5.69E+14
530 RDCORINV056 Cm-242 1.37E+17
531 RDCORINV057 Cm-244 1.56E+16
532 RDCORINV058 La-140 3.83E+17
533 RDCORINV059 La-141 0.
534 RDCORINV060 La-142 0.
535 RDCORINV061 Nd-147 9.22E+16
536 RDCORINV062 Pr-143 3.53E+17
537 RDCORINV063 Y-90 2.46E+17
538 RDCORINV064 Y-91 1.01E+18
539 RDCORINV065 Y-92 0.
540 RDCORINV066 Y-93 6.7E-09
541 RDCORINV067 Y-91m 7.93E-11
542 RDCORINV068 Pr-144 1.79E+18
543 RDCORINV069 Pr-144m 2.53E+16
*
* Form 'Inventory Scale Factor' Comment:
* Set by MELMACCS.
*
* CORSCA, scaling factor to adjust the core inventory
544 RDCORSCA001 1.0
*
* APLFRC, Specifies how release fractions are applied to daughter ingrowth products
545 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
546 RDRELFRC001 7.1633E-05 3.5753E-04 9.4851E-05 6.9529E-04 7.6566E-04 1.8367E-09 2.004E-07 8.323E-14 8.2182E-14
547 RDRELFRC002 0.0033996 0.0022147 5.7966E-04 0.0050827 0.0048564 1.6672E-08 1.8434E-06 3.045E-13 3.0067E-13
548 RDRELFRC003 0.0011582 0.0013222 3.496E-04 0.0024428 0.002813 5.2816E-08 5.8063E-06 6.7283E-12 6.6436E-12
549 RDRELFRC004 7.6393E-04 0.0010165 2.6679E-04 0.0018128 0.0021472 9.0953E-08 9.992E-06 3.5351E-12 3.4906E-12
550 RDRELFRC005 5.951E-04 6.8541E-04 1.791E-04 0.001212 0.0014444 7.8752E-08 8.6489E-06 2.6606E-12 2.6271E-12
551 RDRELFRC006 4.9234E-04 2.6977E-04 6.697E-05 4.844E-04 5.618E-04 9.791E-08 1.0765E-05 4.5906E-12 4.5329E-12
552 RDRELFRC007 4.0424E-04 2.643E-05 1.92E-06 5.85E-05 4.65E-05 9.7396E-08 1.0706E-05 2.6187E-12 2.5857E-12
553 RDRELFRC008 3.3065E-04 2.109E-05 1.24E-06 4.27E-05 3.58E-05 8.4039E-08 9.2318E-06 1.0348E-12 1.0218E-12
554 RDRELFRC009 2.5794E-04 1.38E-05 8.E-07 2.71E-05 2.33E-05 5.5634E-08 6.1108E-06 3.E-15 3.E-15
555 RDRELFRC010 2.0927E-04 9.27E-06 5.3E-07 1.8E-05 1.57E-05 3.7424E-08 4.1106E-06 1.1E-15 1.1E-15
556 RDRELFRC011 1.6702E-04 1.744E-05 3.5E-06 3.07E-05 3.45E-05 2.2393E-08 2.4596E-06 5.E-16 4.E-16
557 RDRELFRC012 1.3323E-04 7.68E-06 2.01E-06 1.31E-05 1.61E-05 9.97E-10 1.095E-07 3.E-16 3.E-16
558 RDRELFRC013 1.1116E-04 3.62E-06 9.4E-07 6.E-06 7.6E-06 4.72E-10 5.19E-08 3.E-16 3.E-16
559 RDRELFRC014 9.328E-05 2.55E-06 6.7E-07 4.2E-06 5.4E-06 3.38E-10 3.7E-08 3.E-16 3.E-16
560 RDRELFRC015 7.852E-05 1.82E-06 4.8E-07 2.9E-06 3.8E-06 2.42E-10 2.66E-08 3.E-16 3.E-16
561 RDRELFRC016 6.623E-05 1.29E-06 3.4E-07 2.1E-06 2.7E-06 1.75E-10 1.92E-08 3.E-16 3.E-16
562 RDRELFRC017 5.592E-05 9.2E-07 2.4E-07 1.4E-06 1.9E-06 1.27E-10 1.4E-08 2.E-16 2.E-16
563 RDRELFRC018 4.727E-05 6.5E-07 1.7E-07 1.E-06 1.4E-06 9.3E-11 1.02E-08 3.E-16 3.E-16
564 RDRELFRC019 3.998E-05 4.7E-07 1.2E-07 7.E-07 1.E-06 6.9E-11 7.5E-09 3.E-16 3.E-16
565 RDRELFRC020 3.383E-05 3.3E-07 9.E-08 5.E-07 7.E-07 5.1E-11 5.7E-09 3.E-16 3.E-16
566 RDRELFRC021 2.865E-05 2.3E-07 6.E-08 3.E-07 5.E-07 4.E-11 4.3E-09 3.E-16 3.E-16
567 RDRELFRC022 2.425E-05 1.7E-07 4.E-08 3.E-07 3.E-07 3.E-11 3.4E-09 3.E-16 3.E-16
568 RDRELFRC023 2.055E-05 1.2E-07 3.E-08 2.E-07 3.E-07 2.4E-11 2.7E-09 3.E-16 3.E-16
569 RDRELFRC024 1.739E-05 8.E-08 2.E-08 1.E-07 1.E-07 2.E-11 2.1E-09 3.E-16 2.E-16
570 RDRELFRC025 1.474E-05 6.E-08 2.E-08 1.E-07 2.E-07 1.7E-11 1.9E-09 3.E-16 3.E-16
571 RDRELFRC026 1.248E-05 5.E-08 1.E-08 0. 0. 1.5E-11 1.6E-09 3.E-16 3.E-16
572 RDRELFRC027 1.057E-05 3.E-08 1.E-08 1.E-07 1.E-07 1.3E-11 1.4E-09 3.E-16 3.E-16
573 RDRELFRC028 8.95E-06 2.E-08 0. 0. 1.E-07 1.2E-11 1.3E-09 3.E-16 3.E-16
574 RDRELFRC029 7.58E-06 2.E-08 1.E-08 0. 0. 1.1E-11 1.3E-09 3.E-16 3.E-16
575 RDRELFRC030 6.41E-06 1.E-08 0. 0. 0. 1.E-11 1.1E-09 3.E-16 4.E-16
576 RDRELFRC031 5.43E-06 1.E-08 0. 0. 0. 1.1E-11 1.2E-09 3.E-16 3.E-16
*
* ENDAT1, flag indicating whether only atmos is run
577 OCENDAT1001 .FALSE.

```
   *
   * IDEBUG, specifies set of debug results to report
578 OCIDEBUG001     0
   *
   * NUCOUT, name of the nuclide to be listed on the dispersion listings
579 OCNUCOUT001     Cs-137
   *
   * METCOD, meteorological sampling option code
580 M1METCOD001     2
   *
   * Form 'Boundary Limit' Comment:
   * From NUREG-1150.
   *
   * LIMSPA, last spatial interval for measured weather
581 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)
582 M2BNDMXH001     1000.
   *
   * IBDSTB, boundary weather stability class index
583 M2IBDSTB001     4
   *
   * BNDRAN, boundary weather rain rate (mm/hr)
584 M2BNDRAN001     5.
   *
   * BNDWND, boundary weather wind speed (m/sec)
585 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
586 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
587 M1LATITU001     39.
   *
   * LATITU_MIN minutes portion of latitude
588 M1LATITU002     45.
   *
   * LATITU_SEC, seconds portion of latitude
589 M1LATITU003     32.
   *
   * LONGIT_DEG, LONGIT_MIN, LONGIT_SEC, indicates longitude of site, used with latitude
590 M1LONGIT001     76.
   *
   * LONGIT_MIN, minutes portion of longitude
591 M1LONGIT002     16.
   *
   * LONGIT_SEC, seconds portion of longitude
592 M1LONGIT003     9.
   *
   * Form 'Rain Distances' Comment:
   * From NUREG-1150.
   *
   * NRNINT, number of rain distance intervals for binning
593 M4NRNINT001     5
   *
   * RNDSTS, endpoints of the rain distance intervals (km)
594 M4RNDSTS001     3.22
595 M4RNDSTS002     5.63
596 M4RNDSTS003     11.27
597 M4RNDSTS004     20.92
598 M4RNDSTS005     32.19
   *
   * Form 'Rain Intensities' Comment:
   * From NUREG-1150.
   *
   * NRINTN, number of rain intensity breakpoints
599 M4NRINTN001     3
   *
   * RNRATE, rain intensity breakpoints for weather binning (mm/hr)
600 M4RNRATE001     2.
601 M4RNRATE002     4.
602 M4RNRATE003     6.
   *
   * IRSEED, initial seed for random number generator
603 M4IRSEED001     79
   *
   * Form 'Bins' Comment:
   * Minimum of 12 or 10% of samples in bin.
   *
   * NSBINS, number of bins to be sampled when NSMPLS = 0
604 M4NSBINS001     36
   *
   * INDXBN, INWGHT, number of weather sequences to be selected from specific weather bins
605 M4SMPLDF001     1     71
606 M4SMPLDF002     2     42
607 M4SMPLDF003     3     12
608 M4SMPLDF004     4     52
609 M4SMPLDF005     5     57
610 M4SMPLDF006     6     74
611 M4SMPLDF007     7     21
612 M4SMPLDF008     8     12
613 M4SMPLDF009     9     49
614 M4SMPLDF010     10    103
615 M4SMPLDF011     11    77
616 M4SMPLDF012     12    35
617 M4SMPLDF013     13    51
618 M4SMPLDF014     14    75
619 M4SMPLDF015     15    14
620 M4SMPLDF016     16    4
621 M4SMPLDF017     17    44
622 M4SMPLDF018     18    12
623 M4SMPLDF019     19    17
624 M4SMPLDF020     20    24
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  625  M4SMPLDF021      21     24
  626  M4SMPLDF022      22     12
  627  M4SMPLDF023      23     4
  628  M4SMPLDF024      24     8
  629  M4SMPLDF025      25     12
  630  M4SMPLDF026      26     12
  631  M4SMPLDF027      27     12
  632  M4SMPLDF028      28     1
  633  M4SMPLDF029      29     3
  634  M4SMPLDF030      30     5
  635  M4SMPLDF031      31     4
  636  M4SMPLDF032      32     12
  637  M4SMPLDF033      33     1
  638  M4SMPLDF034      34     7
  639  M4SMPLDF035      35     9
  640  M4SMPLDF036      36     12
     *
     * ATMOS_ZERO = 0
  641  TYPE0NUMBER      0
     *
     * NUM0, number of results
  642  TYPE0NUMBER      14
*********   RECORD NUMBER   642 REPLACES RECORD NUMBER   641   *********
     *
     * INDREL, INDRAD, CCDF, ATMOS release and spatial interval
  643  TYPE0OUT001      1      1      NONE
  644  TYPE0OUT002      1      2      NONE
  645  TYPE0OUT003      1      3      NONE
  646  TYPE0OUT004      1      4      NONE
  647  TYPE0OUT005      1      5      NONE
  648  TYPE0OUT006      1      6      NONE
  649  TYPE0OUT007      1      7      NONE
  650  TYPE0OUT008      1      8      NONE
  651  TYPE0OUT009      1      9      NONE
  652  TYPE0OUT010      1      10     NONE
  653  TYPE0OUT011      1      11     NONE
  654  TYPE0OUT012      1      12     NONE
  655  TYPE0OUT013      1      19     NONE
  656  TYPE0OUT014      1      21     NONE
     *
     * NUM_DIST2, used for Dispersion Power Law (always 0)
  657  NUM_DIST001      0
     *
     * NSMPLS2, used for non-uniform Bin Sampling (always 0)
  658  M4NSMPLS001      0

******** TERMINATOR RECORD ENCOUNTERED -- END OF BASE CASE USER INPUT ********


USER INPUT PROCESSING SUMMARY - BASE CASE

NUMBER OF RECORDS READ                        =  899
NUMBER OF BLANK OR COMMENT RECORDS READ       =  240
NUMBER OF TERMINATOR RECORDS                  =    1
NUMBER OF RECORDS PROCESSED                   =  658
   NUMBER OF PROCESSED RECORDS DUPLICATED     =    2
   NUMBER OF PROCESSED RECORDS SORTED         =  656
*************************************************************************************************



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

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	3.28E+12	1.56E+14	5.30E+13	3.50E+13	2.72E+13	2.25E+13	1.85E+13	1.51E+13	1.18E+13	9.58E+12	7.65E+12	6.10E+12	5.09E+12	4.27E+12	3.59E+12	3.03E+12	2.56E+12	2.16E+12	1.83E+12	1.55E+12	1.31E+12	1.11E+12	9.41E+11	7.96E+11	6.75E+11
Kr-85m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Kr-87	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Kr-88	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-133	2.39E+12	1.13E+14	3.83E+13	2.51E+13	1.95E+13	1.60E+13	1.31E+13	1.06E+13	8.25E+12	6.66E+12	5.28E+12	4.19E+12	3.48E+12	2.90E+12	2.43E+12	2.04E+12	1.71E+12	1.44E+12	1.21E+12	1.02E+12	8.58E+11	7.22E+11	6.08E+11	5.12E+11	4.32E+11
Xe-135	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-135m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs-134	3.04E+14	1.88E+15	1.12E+15	8.65E+14	5.83E+14	2.29E+14	2.25E+13	1.79E+13	1.17E+13	7.88E+12	1.48E+13	6.53E+12	3.08E+12	2.17E+12	1.55E+12	1.10E+12	7.82E+11	5.53E+11	4.00E+11	2.81E+11	1.95E+11	1.44E+11	1.02E+11	6.80E+10	5.10E+10
Cs-136	1.16E+13	7.16E+13	4.26E+13	3.27E+13	2.20E+13	8.64E+12	8.45E+11	6.73E+11	4.39E+11	2.94E+11	5.53E+11	2.43E+11	1.14E+11	8.03E+10	5.72E+10	4.04E+10	2.88E+10	2.03E+10	1.46E+10	1.03E+10	7.13E+09	5.26E+09	3.70E+09	2.46E+09	1.84E+09
Cs-137	2.26E+14	1.40E+15	8.37E+14	6.43E+14	4.34E+14	1.71E+14	1.67E+13	1.33E+13	8.73E+12	5.87E+12	1.10E+13	4.86E+12	2.29E+12	1.61E+12	1.15E+12	8.16E+11	5.82E+11	4.11E+11	2.97E+11	2.09E+11	1.46E+11	1.08E+11	7.59E+10	5.06E+10	3.80E+10
Rb-86	6.64E+11	4.11E+12	2.45E+12	1.88E+12	1.26E+12	4.97E+11	4.86E+10	3.87E+10	2.53E+10	1.70E+10	3.19E+10	1.40E+10	6.60E+09	4.64E+09	3.31E+09	2.34E+09	1.67E+09	1.18E+09	8.49E+08	5.95E+08	4.14E+08	3.06E+08	2.15E+08	1.43E+08	1.07E+08
Rb-88	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ba-139	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ba-140	3.94E+13	2.40E+14	1.44E+14	1.10E+14	7.37E+13	2.75E+13	7.86E+11	5.07E+11	3.26E+11	2.16E+11	1.42E+12	8.14E+11	3.80E+11	2.70E+11	1.93E+11	1.36E+11	9.61E+10	6.79E+10	4.78E+10	3.58E+10	2.38E+10	1.58E+10	1.18E+10	7.88E+09	7.86E+09
Sr-89	8.78E+13	5.36E+14	3.23E+14	2.47E+14	1.65E+14	6.18E+13	1.77E+12	1.14E+12	7.37E+11	4.88E+11	3.22E+12	1.85E+12	8.64E+11	6.16E+11	4.41E+11	3.12E+11	2.20E+11	1.56E+11	1.10E+11	8.24E+10	5.49E+10	3.66E+10	2.74E+10	1.83E+10	1.83E+10
Sr-90	3.21E+13	1.96E+14	1.18E+14	9.02E+13	6.05E+13	2.26E+13	6.49E+11	4.19E+11	2.70E+11	1.79E+11	1.18E+12	6.79E+11	3.18E+11	2.26E+11	1.62E+11	1.15E+11	8.11E+10	5.75E+10	4.06E+10	3.04E+10	2.03E+10	1.35E+10	1.01E+10	6.76E+09	6.76E+09
Sr-91	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sr-92	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ba-137m	2.14E+14	1.33E+15	7.92E+14	6.09E+14	4.10E+14	1.62E+14	1.58E+13	1.26E+13	8.26E+12	5.55E+12	1.04E+13	4.60E+12	2.17E+12	1.53E+12	1.09E+12	7.72E+11	5.51E+11	3.89E+11	2.81E+11	1.98E+11	1.38E+11	1.02E+11	7.18E+10	4.79E+10	3.59E+10
I-131	3.16E+13	2.30E+14	1.10E+14	8.16E+13	5.43E+13	2.16E+13	2.60E+12	1.89E+12	1.20E+12	7.93E+11	1.35E+12	5.73E+11	2.61E+11	1.82E+11	1.25E+11	9.05E+10	6.01E+10	4.28E+10	2.98E+10	2.12E+10	1.27E+10	1.27E+10	8.41E+09	4.19E+09	4.17E+09

I-132	3.61E+11	2.27E+12	1.30E+12	9.87E+11	6.58E+11	2.54E+11	2.08E+10	1.59E+10	1.02E+10	6.84E+09	1.49E+10	6.90E+09	3.23E+09	2.27E+09	1.58E+09	1.12E+09	7.78E+08	5.69E+08	4.03E+08	2.79E+08	1.98E+08	1.18E+08	1.17E+08	3.85E+07	7.63E+07				
I-133	6.15E+01	4.37E+02	2.03E+02	1.46E+02	9.42E+01	3.64E+01	4.25E+00	3.00E+00	1.84E+00	1.18E+00	1.95E+00	8.06E-01	3.57E-01	2.42E-01	1.61E-01	1.13E-01	7.29E-02	5.04E-02	3.41E-02	2.36E-02	1.37E-02	1.32E-02	8.53E-03	4.13E-03	3.99E-03				
I-134	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
I-135	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
Te-127	1.25E+13	7.95E+13	4.60E+13	3.51E+13	2.36E+13	9.19E+12	7.60E+11	5.85E+11	3.81E+11	2.56E+11	5.63E+11	2.63E+11	1.24E+11	8.81E+10	6.20E+10	4.40E+10	3.10E+10	2.28E+10	1.63E+10	1.14E+10	8.14E+09	4.88E+09	4.88E+09	1.63E+09	3.25E+09				
Te-127m	1.28E+13	8.12E+13	4.70E+13	3.59E+13	2.41E+13	9.38E+12	7.76E+11	5.97E+11	3.89E+11	2.62E+11	5.75E+11	2.68E+11	1.27E+11	9.00E+10	6.33E+10	4.50E+10	3.16E+10	2.33E+10	1.66E+10	1.16E+10	8.31E+09	4.99E+09	4.99E+09	1.66E+09	3.32E+09				
Te-129	1.51E+13	9.60E+13	5.56E+13	4.24E+13	2.85E+13	1.11E+13	9.15E+11	7.04E+11	4.58E+11	3.08E+11	6.77E+11	3.16E+11	1.49E+11	1.06E+11	7.43E+10	5.27E+10	3.71E+10	2.73E+10	1.95E+10	1.36E+10	9.72E+09	5.83E+09	5.82E+09	1.94E+09	3.88E+09				
Te-129m	2.33E+13	1.47E+14	8.54E+13	6.51E+13	4.38E+13	1.70E+13	1.41E+12	1.08E+12	7.03E+11	4.74E+11	1.04E+12	4.85E+11	2.29E+11	1.62E+11	1.14E+11	8.10E+10	5.70E+10	4.19E+10	2.99E+10	2.09E+10	1.49E+10	8.96E+09	8.95E+09	2.98E+09	5.96E+09				
Te-131m	8.99E+04	5.58E+05	3.16E+05	2.36E+05	1.55E+05	5.89E+04	4.76E+03	3.58E+03	2.28E+03	1.50E+03	3.22E+03	1.47E+03	6.78E+02	4.71E+02	3.24E+02	2.25E+02	1.54E+02	1.11E+02	7.76E+01	5.31E+01	3.71E+01	2.17E+01	2.12E+01	6.92E+00	1.35E+01				
Te-132	3.51E+11	2.21E+12	1.27E+12	9.58E+11	6.39E+11	2.46E+11	2.02E+10	1.54E+10	9.95E+09	6.64E+09	1.45E+10	6.69E+09	3.13E+09	2.21E+09	1.54E+09	1.08E+09	7.56E+08	5.52E+08	3.91E+08	2.71E+08	1.92E+08	1.14E+08	1.13E+08	3.74E+07	7.41E+07				
Te-131	2.02E+04	1.26E+05	7.12E+04	5.31E+04	3.49E+04	1.33E+04	1.07E+03	8.07E+02	5.13E+02	3.38E+02	7.25E+02	3.31E+02	1.53E+02	1.06E+02	7.29E+01	5.06E+01	3.48E+01	2.50E+01	1.75E+01	1.20E+01	8.34E+00	4.89E+00	4.78E+00	1.56E+00	3.04E+00				
Rh-105	4.30E+01	3.83E+02	1.19E+03	2.01E+03	1.71E+03	2.08E+03	2.03E+03	1.72E+03	1.12E+03	7.36E+02	4.32E+02	1.88E+01	8.75E+00	6.14E+00	4.31E+00	3.06E+00	2.18E+00	1.56E+00	1.14E+00	8.24E-01	6.34E-01	4.66E-01	3.66E-01	2.99E-01	2.49E-01				
Ru-103	2.24E+09	2.04E+10	6.45E+10	1.11E+11	9.60E+10	1.19E+11	1.19E+11	1.02E+11	6.76E+10	4.54E+10	2.72E+10	1.21E+09	5.72E+08	4.09E+08	2.93E+08	2.12E+08	1.53E+08	1.12E+08	8.32E+07	6.15E+07	4.82E+07	3.61E+07	2.89E+07	2.40E+07	2.04E+07				
Ru-105	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
Ru-106	1.92E+09	1.74E+10	5.53E+10	9.52E+10	8.24E+10	1.02E+11	1.02E+11	8.79E+10	5.82E+10	3.91E+10	2.34E+10	1.04E+09	4.94E+08	3.53E+08	2.53E+08	1.83E+08	1.33E+08	9.72E+07	7.21E+07	5.33E+07	4.18E+07	3.13E+07	2.51E+07	2.09E+07	1.78E+07				
Rh-103m	2.24E+09	2.03E+10	6.43E+10	1.11E+11	9.58E+10	1.19E+11	1.18E+11	1.02E+11	6.75E+10	4.53E+10	2.71E+10	1.21E+09	5.71E+08	4.08E+08	2.92E+08	2.11E+08	1.53E+08	1.12E+08	8.31E+07	6.13E+07	4.81E+07	3.60E+07	2.88E+07	2.40E+07	2.04E+07				
Rh-106	1.92E+09	1.74E+10	5.53E+10	9.52E+10	8.24E+10	1.02E+11	1.02E+11	8.79E+10	5.82E+10	3.91E+10	2.34E+10	1.04E+09	4.94E+08	3.53E+08	2.53E+08	1.83E+08	1.33E+08	9.72E+07	7.21E+07	5.33E+07	4.18E+07	3.13E+07	2.51E+07	2.09E+07	1.78E+07				
Nb-95	3.33E+11	3.06E+12	9.64E+12	1.66E+13	1.43E+13	1.78E+13	1.77E+13	1.53E+13	1.01E+13	6.78E+12	4.06E+12	1.80E+11	8.54E+10	6.09E+10	4.37E+10	3.15E+10	2.30E+10	1.67E+10	1.23E+10	9.33E+09	7.03E+09	5.56E+09	4.41E+09	3.43E+09	3.10E+09				
Co-58	4.04E+07	3.71E+08	1.17E+09	2.01E+09	1.74E+09	2.17E+09	2.15E+09	1.86E+09	1.23E+09	8.25E+08	4.94E+08	2.20E+07	1.04E+07	7.42E+06	5.33E+06	3.85E+06	2.80E+06	2.04E+06	1.50E+06	1.14E+06	8.60E+05	6.79E+05	5.39E+05	4.19E+05	3.79E+05				
Co-60	1.77E+08	1.62E+09	5.12E+09	8.81E+09	7.62E+09	9.49E+09	9.44E+09	8.14E+09	5.39E+09	3.62E+09	2.17E+09	9.65E+07	4.57E+07	3.26E+07	2.34E+07	1.69E+07	1.23E+07	8.99E+06	6.61E+06	5.02E+06	3.79E+06	3.00E+06	2.38E+06	1.85E+06	1.67E+06				
Mo-99	2.55E+07	2.32E+08	7.24E+08	1.23E+09	1.06E+09	1.30E+09	1.28E+09	1.09E+09	7.16E+08	4.76E+08	2.82E+08	1.24E+07	5.83E+06	4.11E+06	2.93E+06	2.09E+06	1.51E+06	1.09E+06	7.91E+05	5.95E+05	4.44E+05	3.47E+05	2.73E+05	2.10E+05	1.88E+05				
Tc-99m	2.46E+07	2.24E+08	6.98E+08	1.19E+09	1.02E+09	1.25E+09	1.23E+09	1.05E+09	6.90E+08	4.59E+08	2.72E+08	1.20E+07	5.62E+06	3.96E+06	2.82E+06	2.01E+06	1.45E+06	1.05E+06	7.62E+05	5.73E+05	4.28E+05	3.35E+05	2.63E+05	2.03E+05	1.81E+05				
Nb-97	0.00E+00	1.36E-14	2.41E-14	2.33E-14	1.13E-14	7.93E-15	4.43E-15	2.14E-15	7.97E-16	3.01E-16	1.01E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
Nb-97m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
Ce-141	8.50E+04	3.11E+05	6.86E+06	3.60E+06	2.71E+06	4.67E+06	2.66E+06	1.05E+06	3.04E+03	1.11E+03	5.06E+02	3.04E+02	3.03E+02	3.03E+02	3.03E+02	3.02E+02	2.01E+02	3.02E+02	3.02E+02	3.01E+02	3.01E+02	3.01E+02	3.01E+02	3.00E+02	3.00E+02				
Ce-143	5.80E-04	2.08E-03	4.51E-02	2.32E-02	1.71E-02	2.89E-02	1.61E-02	6.24E-03	1.77E-05	6.36E-06	2.83E-06	1.66E-06	1.63E-06	1.59E-06	1.56E-06	1.53E-06	9.98E-07	1.47E-06	1.44E-06	1.41E-06	1.38E-06	1.35E-06	1.32E-06	1.29E-06	1.27E-06				
Ce-144	1.47E+05	5.37E+05	1.19E+07	6.23E+06	4.69E+06	8.09E+06	4.61E+06	1.82E+06	5.28E+03	1.94E+03	8.80E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	3.52E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.27E+02				
Np-239	3.44E+01	1.24E+02	2.72E+03	1.41E+03	1.05E+03	1.79E+03	1.01E+03	3.93E+02	1.12E+00	4.07E-01	1.83E-01	1.08E-01	1.07E-01	1.06E-01	1.04E-01	1.03E-01	6.80E-02	1.01E-01	9.95E-02	9.83E-02	9.71E-02	9.59E-02	9.47E-02	9.36E-02	9.24E-02				
Pu-238	9.24E+02	3.38E+03	7.47E+04	3.93E+04	2.95E+04	5.10E+04	2.91E+04	1.15E+04	3.33E+01	1.22E+01	5.55E+00	3.33E+00	3.33E+00	3.33E+00	3.33E+00	3.33E+00	2.22E+00	3.33E+00	3.33E+00	3.33E+00	3.33E+00	3.33E+00	3.33E+00	3.33E+00	3.33E+00				
Pu-239	5.73E+01	2.09E+02	4.63E+03	2.43E+03	1.83E+03	3.16E+03	1.80E+03	7.12E+02	2.06E+00	7.57E-01	3.44E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01	1.38E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01				
Pu-240	1.20E+02	4.38E+02	9.69E+03	5.09E+03	3.83E+03	6.61E+03	3.77E+03	1.49E+03	4.32E+00	1.58E+00	7.20E-01	4.32E-01	4.32E-01	4.32E-01	4.32E-01	4.32E-01	2.88E-01	4.32E-01	4.32E-01	4.32E-01	4.32E-01	4.32E-01	4.32E-01	4.32E-01	4.32E-01				
Pu-241	2.58E+04	9.44E+04	2.09E+06	1.10E+06	8.25E+05	1.42E+06	8.12E+05	3.21E+05	9.30E+02	3.41E+02	1.55E+02	9.30E+01	9.30E+01	9.30E+01	9.30E+01	9.30E+01	6.20E+01	9.30E+01	9.30E+01	9.30E+01	9.30E+01	9.30E+01	9.30E+01	9.30E+01	9.30E+01				
Zr-95	1.24E+05	4.54E+05	1.00E+07	5.27E+06	3.96E+06	6.83E+06	3.90E+06	1.54E+06	4.46E+03	1.63E+03	7.43E+02	4.45E+02	4.45E+02	4.45E+02	4.45E+02	4.45E+02	2.96E+02	4.44E+02	4.44E+02	4.44E+02	4.44E+02	4.43E+02	4.43E+02	4.43E+02	4.43E+02				
Zr-97	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
Am-241	4.70E+01	1.72E+02	3.80E+03	2.00E+03	1.50E+03	2.59E+03	1.48E+03	5.84E+02	1.72E+00	6.29E-01	2.29E-01	1.72E-01	1.72E-01	1.72E-01	1.72E-01	1.72E-01	1.14E-01	1.72E-01	1.72E-01	1.72E-01	1.72E-01	1.72E-01	1.72E-01	1.15E-01	1.72E-01				
Cm-242	1.12E+04	4.09E+04	9.03E+05	4.74E+05	3.57E+05	6.16E+05	3.51E+05	1.39E+05	4.07E+02	1.49E+02	5.43E+01	4.07E+01	4.07E+01	4.07E+01	4.07E+01	4.07E+01	2.71E+01	4.07E+01	4.07E+01	4.07E+01	4.07E+01	4.06E+01	4.06E+01	2.71E+01	4.06E+01				
Cm-244	1.28E+03	4.69E+03	1.04E+05	5.44E+04	4.10E+04	7.07E+04	4.03E+04	1.59E+04	4.68E+01	1.72E+01	6.24E+00	4.68E+00	4.68E+00	4.68E+00	4.68E+00	4.68E+00	3.12E+00	4.68E+00	4.68E+00	4.68E+00	4.68E+00	4.68E+00	4.68E+00	3.12E+00	4.68E+00				
La-140	2.10E+13	1.30E+14	7.95E+13	6.15E+13	4.19E+13	1.59E+13	4.60E+11	3.01E+11	1.96E+11	1.32E+11	8.78E+11	5.10E+11	2.41E+11	1.73E+11	1.25E+11	8.96E+10	6.38E+10	4.56E+10	3.24E+10	2.45E+10	1.65E+10	1.11E+10	8.36E+09	5.61E+09	5.65E+09				
La-141	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
La-142	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
Nd-147	6.79E+03	2.48E+04	5.46E+05	2.86E+05	2.15E+05	3.70E+05	2.10E+05	8.29E+04	2.43E+02	8.88E+01	3.22E+01	2.41E+01	2.40E+01	2.40E+01	2.39E+01	2.38E+01	1.59E+01	2.37E+01	2.37E+01	2.36E+01	2.35E+01	2.35E+01	2.34E+01	1.56E+01	2.33E+01				
Pr-143	2.66E+04	9.70E+04	2.14E+06	1.12E+06	8.42E+05	1.45E+06	8.25E+05	3.25E+05	9.53E+02	3.49E+02	1.27E+02	9.47E+01	9.45E+01	9.43E+01	9.41E+01	9.39E+01	6.25E+01	9.35E+01	9.33E+01	9.31E+01	9.29E+01	9.27E+01	9.25E+01	6.15E+01	9.21E+01				
Y-90	1.16E+13	7.23E+13	4.44E+13	3.45E+13	2.36E+13	8.96E+12	2.61E+11	1.71E+11	1.12E+11	7.55E+10	5.06E+11	2.95E+11	1.40E+11	1.01E+11	7.33E+10	5.26E+10	3.76E+10	2.70E+10	1.93E+10	1.46E+10	9.86E+09	6.65E+09	5.04E+09	3.40E+09	3.43E+09				
Y-91	8.13E+04	2.97E+05	6.57E+06	3.45E+06	2.59E+06	4.47E+06	2.55E+06	1.01E+06	2.96E+03	1.08E+03	3.94E+02	2.95E+02	2.95E+02	2.95E+02	2.95E+02	2.95E+02	1.96E+02	2.94E+02	2.94E+02	2.94E+02	2.94E+02	2.94E+02	2.94E+02	1.96E+02	2.93E+02				
Y-92	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
Y-93	3.17E-23	1.09E-22	2.25E-21	1.10E-21	7.75E-22	1.25E-21	6.65E-22	2.45E-22	6.73E-25	2.30E-25	7.82E-26	5.48E-26	5.11E-26	4.77E-26	4.46E-26	4.16E-26	2.59E-26	3.63E-26	3.39E-26	3.16E-26	2.95E-26	2.76E-26	2.57E-26	1.60E-26	2.24E-26				
Y-91m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00				
Pr-144	1.47E+05	5.37E+05	1.19E+07	6.23E+06	4.69E+06	8.09E+06	4.61E+06	1.82E+06	5.28E+03	1.94E+03	8.80E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	3.52E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.27E+02				
Pr-144m	2.61E+03	9.55E+03	2.11E+05	1.11E+05	8.34E+04	1.44E+05	8.21E+04	3.24E+04	9.40E+01	3.45E+01	1.57E+01	9.40E+00	9.40E+00	9.40E+00	9.40E+00	9.40E+00	6.26E+00	9.40E+00	9.40E+00	9.39E+00	9.39E+00	9.39E+00	9.39E+00	9.39E+00	9.39E+00				

Rel #	26	27	28	29	30	31
Kr-85	5.71E+11	4.84E+11	4.10E+11	3.47E+11	2.93E+11	2.49E+11
Kr-85m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Kr-87	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Kr-88	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-133	3.63E+11	3.06E+11	2.58E+11	2.17E+11	1.83E+11	1.54E+11
Xe-135	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-135m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs-134	4.25E+10	2.55E+10	1.70E+10	1.70E+10	8.50E+09	8.50E+09
Cs-136	1.53E+09	9.18E+08	6.10E+08	6.09E+08	3.04E+08	3.03E+08
Cs-137	3.16E+10	1.90E+10	1.27E+10	1.27E+10	6.33E+09	6.33E+09
Rb-86	8.93E+07	5.35E+07	3.56E+07	3.56E+07	1.78E+07	1.77E+07
Rb-88	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ba-139	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ba-140	3.92E+09	3.91E+09	0.00E+00	3.90E+09	0.00E+00	0.00E+00
Sr-89	9.13E+09	9.12E+09	0.00E+00	9.11E+09	0.00E+00	0.00E+00
Sr-90	3.38E+09	3.38E+09	0.00E+00	3.38E+09	0.00E+00	0.00E+00
Sr-91	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sr-92	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ba-137m	2.99E+10	1.80E+10	1.20E+10	1.20E+10	5.99E+09	5.99E+09
I-131	0.00E+00	4.14E+09	3.27E+00	0.00E+00	0.00E+00	0.00E+00
I-132	0.00E+00	3.75E+07	3.72E+07	0.00E+00	0.00E+00	0.00E+00
I-133	0.00E+00	3.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-134	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-135	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Te-127	0.00E+00	1.63E+09	1.63E+09	0.00E+00	0.00E+00	0.00E+00
Te-127m	0.00E+00	1.66E+09	1.66E+09	0.00E+00	0.00E+00	0.00E+00
Te-129	0.00E+00	1.93E+09	1.93E+09	0.00E+00	0.00E+00	0.00E+00
Te-129m	0.00E+00	2.97E+09	2.97E+09	0.00E+00	0.00E+00	0.00E+00
Te-131m	0.00E+00	6.45E+00	6.31E+00	0.00E+00	0.00E+00	0.00E+00
Te-132	0.00E+00	3.64E+07	3.61E+07	0.00E+00	0.00E+00	0.00E+00
Te-131	0.00E+00	1.45E+00	1.42E+00	0.00E+00	0.00E+00	0.00E+00
Rh-105	2.15E-01	1.83E-01	1.66E-01	1.49E-01	1.33E-01	1.43E-01
Ru-103	1.80E+07	1.56E+07	1.44E+07	1.32E+07	1.20E+07	1.32E+07
Ru-105	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ru-106	1.57E+07	1.36E+07	1.25E+07	1.15E+07	1.04E+07	1.15E+07
Rh-103m	1.80E+07	1.56E+07	1.43E+07	1.31E+07	1.19E+07	1.31E+07
Rh-106	1.57E+07	1.36E+07	1.25E+07	1.15E+07	1.04E+07	1.15E+07
Nb-95	2.61E+09	2.28E+09	2.11E+09	2.11E+09	1.79E+09	1.95E+09
Co-58	3.19E+05	2.79E+05	2.59E+05	2.59E+05	2.19E+05	2.39E+05
Co-60	1.41E+06	1.23E+06	1.15E+06	1.15E+06	9.69E+05	1.06E+06
Mo-99	1.57E+05	1.36E+05	1.25E+05	1.23E+05	1.03E+05	1.12E+05
Tc-99m	1.51E+05	1.31E+05	1.20E+05	1.19E+05	9.96E+04	1.08E+05
Nb-97	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nb-97m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ce-141	3.00E+02	2.99E+02	2.99E+02	2.99E+02	2.99E+02	2.98E+02
Ce-143	1.24E-06	1.21E-06	1.19E-06	1.16E-06	1.14E-06	1.12E-06
Ce-144	5.27E+02	5.27E+02	5.27E+02	5.27E+02	5.27E+02	5.27E+02
Np-239	9.13E-02	9.02E-02	8.91E-02	8.80E-02	8.69E-02	8.59E-02
Pu-238	3.33E+00	3.33E+00	3.33E+00	3.33E+00	3.33E+00	3.33E+00
Pu-239	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01	2.06E-01
Pu-240	4.32E-01	4.32E-01	4.32E-01	4.32E-01	4.32E-01	4.32E-01
Pu-241	9.30E+01	9.30E+01	9.30E+01	9.30E+01	9.30E+01	9.30E+01
Zr-95	4.43E+02	4.42E+02	4.42E+02	4.42E+02	4.42E+02	4.42E+02
Zr-97	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Am-241	1.72E-01	1.72E-01	1.72E-01	1.72E-01	2.29E-01	1.72E-01
Cm-242	4.06E+01	4.06E+01	4.06E+01	4.06E+01	5.41E+01	4.06E+01
Cm-244	4.68E+00	4.68E+00	4.68E+00	4.68E+00	6.24E+00	4.68E+00
La-140	2.84E+09	2.86E+09	3.53E+01	2.90E+09	4.55E+01	3.36E+01

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La-141    0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
La-142    0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
Nd-147    2.32E+01  2.32E+01  2.31E+01  2.30E+01  3.06E+01  2.29E+01
Pr-143    9.19E+01  9.17E+01  9.15E+01  9.13E+01  1.22E+02  9.09E+01
Y-90      1.73E+09  1.75E+09  3.51E+01  1.79E+09  4.59E+01  3.40E+01
Y-91      2.93E+02  2.93E+02  2.93E+02  2.93E+02  3.90E+02  2.92E+02
Y-92      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
Y-93      2.09E-26  1.96E-26  1.83E-26  1.71E-26  2.12E-26  1.49E-26
Y-91m     0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
Pr-144    5.27E+02  5.27E+02  5.27E+02  5.27E+02  5.27E+02  5.27E+02
Pr-144m   9.39E+00  9.39E+00  9.39E+00  9.39E+00  9.38E+00  9.38E+00
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 0.000 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 0.000 0.125 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 0.000 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 0.000 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
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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
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
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
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
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	0.000	0.250	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	0.000	1.000	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	0.143	0.000	0.143
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	0.111	0.111	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	0.000	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	0.000	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	0.000	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	0.000	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	0.000	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	0.250	0.000	0.000	0.250	4	0.0457
24	R2	11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.000	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	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	0.000	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	0.000	0.000	0.200	0.000	0.000	0.200	0.000	5	0.0571
31	R3	32	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	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	0.000	7	0.0799
35	R4	21	0.000	0.111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9	0.1027
36	R4	32	0.133	0.067	0.000	0.000	0.000	0.000	0.000	0.067	0.000	0.000	0.000	0.000	0.000	0.000	0.067	0.000	0.000	15	0.1712
37	ALL		0.010	0.012	0.009	0.007	0.013	0.008	0.012	0.011	0.011	0.016	0.016	0.017	0.018	0.019	0.023	0.021	8760	100.0000

* * * * METEOROLOGICAL BIN SUMMARY * * * *

BIN PRIORITIES

RI XX - RAIN INTENSITY I WITHIN THE INTERVAL ENDING AT XX
INTERVAL ENDPOINTS ARE IN KILOMETERS FROM THE ACCIDENT SITE, THE 5 INTERVAL ENDPOINTS ARE 3 6 11 21 32
RAIN INTENSITIES ARE IN MILLIMETERS OF RAIN PER HOUR, THE 3 INTENSITY BREAKPOINTS ARE 2.0 4.0 6.0

S V - INITIAL WEATHER CONDITIONS WITH STABILITY CLASS S AND WIND SPEED INTERVAL V
STABILITY CLASSES ARE B = A/B, D = C/D, E = E, AND F = F
WIND SPEED INTERVALS ARE IN METERS PER SECOND (M/S), 1 (0-1), 2 (1-2), 3 (2-3), 4 (3-5), 5 (5-7), 6 (GT 7)

WIND DIRECTION

METBIN		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	B	3	12	7	3	8	3	0	2	6	3	7	7	5	3	5	8	11
2	B	4	7	6	5	7	2	3	6	7	4	5	2	7	4	6	11	12
3	D	1	0	0	0	0	0	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	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	0	2	0	0	0	
31	R3	32	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
32	R4	3	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	
33	R4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34	R4	11	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	
35	R4	21	0	2	1	2	0	0	0	0	0	0	1	0	0	0	0	0	
36	R4	32	1	0	2	0	1	1	1	0	1	0	0	0	0	1	0	0	

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

METBIN	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1 B 3	17	34	32	35	15	13	12	6	5	14	17	13	17	14	16	20
2 B 4	0	8	4	4	1	0	0	0	0	0	0	0	0	0	0	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	0	2	1	3	2	208	2.3744				
8	D	6	0	0	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	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	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	0	1	1	0.0114				
29	R3	11	0	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	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	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	0	1	0.0114				
34	R4	11	0	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	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	0	3	2	3	5	293	3.3447						
6	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	39	0.4452							

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

BIN	DIRECTION															
	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	0.000	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	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

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 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 4:58:02 PM
    *
    * 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)\10-mile evac\3.4 LowDensity\Data\FGR13GyEquivDCF.INP'
    *
    * EANAM1 - Identifies the EARLY calculation
  2 MIEANAM1001     'OCP3 low density no spray, EARLY input'
    *
    * ENDAT2 - control flag allowing execution of ATMOS and EARLY without CHRONC
  3 MIENDAT2001     .FALSE.
    *
    * IPLUME - dispersion code option
  4 MIIPLUME001     3
    *
    * Form 'Grid Subdivisions' Comment:
    * Value used in NUREG-1150.
    *
    * NUMFIN - number of fine-grid subdivisions used by model
  5 MINUMFIN001     7
    *
    * IPRINT - amount of output desired
  6 MIIPRINT001     0
    *
    * POPFLG - is population uniform or defined by Site Data File.
  7 PDPOPFLG001     FILE
    *
    * ORGNAM_FGR13, ORGFLG_FGR13 - list of organs to be included in the calculations using FGR13 DCF file
  8 MIORGDEF001     A-SKIN  .TRUE.
  9 MIORGDEF002     'A-RED MARR'    .TRUE.
 10 MIORGDEF003     A-LUNGS .TRUE.
 11 MIORGDEF004     A-THYROID       .TRUE.
 12 MIORGDEF005     A-STOMACH       .TRUE.
 13 MIORGDEF006     'A-LOWER LI'    .TRUE.
 14 MIORGDEF007     L-ICRP60ED      .TRUE.
 15 MIORGDEF008     'L-RED MARR'    .TRUE.
 16 MIORGDEF009     'L-BONE SUR'    .TRUE.
 17 MIORGDEF010     L-BREAST        .TRUE.
 18 MIORGDEF011     L-LUNGS .TRUE.
 19 MIORGDEF012     L-THYROID       .TRUE.
 20 MIORGDEF013     'L-LOWER LI'    .TRUE.
 21 MIORGDEF014     'L-BLAD WAL'    .TRUE.
 22 MIORGDEF015     L-LIVER .TRUE.
    *
    * RISCAT - Output relative contribution of each weather category bins
 23 MIRISCAT001     .FALSE.
    *
    * OVRRID - Flag indicating if Wind Rose defaults from ATMOS are to be overridden
 24 MIOVRRID001     .FALSE.
    *
    * Form 'Shielding and Exposure' Comment:
    * Data taken directly from NUREG-1150 for Peach Bottom.
    *
    * 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
  *
  * Form 'Basic Parameters' Comment:
  * Shadow (0-20)
  *
  * EANAM2 - Name of emergency response cohort
42 EZEANAM2001     'Group 1'
  *
  * WTNAME - type of weighting factor to be used in generating weighted sum of results
43 EZWTNAME001     PEOPLE
  *
  * WTFRAC - weighting fraction applied to results of emergency response cohort
44 EZWTFRAC001     0.3
  *
  * 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     2.235
  *
  * ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
50 EZESPMUL001     0.7
51 EZESPMUL002     0.7
52 EZESPMUL003     0.7
  *
  * 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     3600.
  *
  * DURMID - duration of middle phase of evacuation, in seconds.
55 EZDURMID001     1800.
  *
  * NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
56 EZNUMEVA001     15
  *
  * 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     0.
58 EZDLTSHL002     0.
59 EZDLTSHL003     0.
60 EZDLTSHL004     0.
61 EZDLTSHL005     0.
62 EZDLTSHL006     0.
63 EZDLTSHL007     0.
64 EZDLTSHL008     0.
65 EZDLTSHL009     0.
66 EZDLTSHL010     0.
67 EZDLTSHL011     0.
68 EZDLTSHL012     0.
69 EZDLTSHL013     7200.
70 EZDLTSHL014     7200.
71 EZDLTSHL015     7200.
  *
  * DLTEVA -Delay time to begin evacuation
72 EZDLTEVA001     0.
73 EZDLTEVA002     0.
74 EZDLTEVA003     0.
75 EZDLTEVA004     0.
76 EZDLTEVA005     0.
77 EZDLTEVA006     0.
78 EZDLTEVA007     0.
79 EZDLTEVA008     0.
80 EZDLTEVA009     0.
81 EZDLTEVA010     0.
82 EZDLTEVA011     0.
83 EZDLTEVA012     0.
84 EZDLTEVA013     3600.
85 EZDLTEVA014     3600.
86 EZDLTEVA015     3600.
  *
  * ESPGRD_NET - Evacuation speed multiplier for network evacuation
87 EZESPGRD001     .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
88 EZESPGRD002     .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 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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89 EZESPGRD003     .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
90 EZESPGRD004     .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
91 EZESPGRD005     .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 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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92 EZESPGRD006     .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
93 EZESPGRD007     .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
94 EZESPGRD008     .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
95 EZESPGRD009     .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 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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96 EZESPGRD010     .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 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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97 EZESPGRD011     .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 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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98 EZESPGRD012     .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 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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99 EZESPGRD013     .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. .75 1.
1. 1. 1. 1. 1. .75 .75 .75
100 EZESPGRD014     .75 .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. .75
1. 1. 1. 1. 1. 1. .75 .75 .75
```

101 EZESPGRD015 .75 .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. .75
1. 1. 1. 1. 1. 1. .75 .75 .75
102 EZESPGRD016 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
103 EZESPGRD017 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
*
* IDIREC - destination direction of every spatial element in the evacuation and sheltering region
104 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
105 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
106 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
107 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
108 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
109 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
110 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
111 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
112 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
113 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
114 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
115 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
116 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
117 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
118 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
119 EZIDIREC016 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1
120 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
*
* LASMOV - The outermost spatial interval of the evacuation movement zone.
121 EZLASMOV001 17
*
* Form 'Duration of Early Phase' Comment:
* 1 week.
*
* ENDEMP - duration of the emergency-phase period, seconds
122 SRENDEMP001 6.04800E+05
*
* CRIORG - critical organ for relocation decisions during emergency-phase period
123 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
124 SRTIMHOT001 14400.
*
* Form 'Normal Relocation' Comment:
* Randy Sullivan recommended these values. (8 hours for 10 mile evac)
*
*
* TIMNRM - Normal Relocation Time (Seconds from Plume Arrival)
125 SRTIMNRM001 28800.
*
* DOSHOT - Hot-Spot Relocation Dose Threshold (Sieverts)
126 SRDOSHOT001 0.05
*
* DOSNRM - Normal Relocation Dose Threshold (Sieverts)
127 SRDOSNRM001 0.01
*
* NUMEFA - Number of Early Fatality Effects
128 EFNUMEFA001 3
*
* ORGNAM2, EFFACA, EFFACB, EFFTHR Early Fatality Effects - target organ, alpha factor and beta factor for hazard function, and threshold dose (Sieverts)
129 EFATAGRP001 'A-RED MARR' 5.6 6.1 2.32
130 EFATAGRP002 A-LUNGS 23.5 9.6 13.6
131 EFATAGRP003 A-STOMACH 12.1 9.3 6.5
*
* NUMEIN - Number of Early Injury Effects
132 EINUMEIN001 7
*
* ORGNAM3, EINAME, EISUSC, EITHRE, EIFACA, EIFACB Early Injury Effects - name, target organ, affected population fract, threshold dose, alpha factor, beta factor.
133 EINJUGRP001 'PRODROMAL VOMIT' A-STOMACH 1. 0.5 2. 3.
134 EINJUGRP002 DIARRHEA A-STOMACH 1. 1. 3. 2.5
135 EINJUGRP003 PNEUMONITIS A-LUNGS 1. 9.2 16.6 7.3
136 EINJUGRP004 'SKIN ERYTHEMA' A-SKIN 1. 3. 6. 5.
137 EINJUGRP005 TRANSEPIDERMAL A-SKIN 1. 10. 20. 5.
138 EINJUGRP006 THYROIDITIS A-THYROID 1. 40. 240. 2.
139 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
140 LCNUMACA001 8
*
* ACTHRE - dose threshold for linear dose response, Sieverts
141 LCACTHRE001 0.E+00
*
* DDTHRE - dose threshold for applying dose-dependent reduction factor, DDREFA
142 LCDDTHRE001 .2
*
* ACNAME, ORGNAM4, ACSUSC, DOSEFA, DOSEFB, CFRISK, CIRISK, DDREFA - Latent Cancer Effects Parameters

```
 143 LCANCERS001     LEUKEMIA       'L-RED MARR'   1.     1.     0.      0.0111  0.0113  2.
 144 LCANCERS002     BONE    'L-BONE SUR'   1.     1.     0.      1.9E-04 2.71E-04        2.
 145 LCANCERS003     BREAST  L-BREAST       1.     1.     0.      0.00506 0.0101  1.
 146 LCANCERS004     LUNG    L-LUNGS 1.     1.     0.     0.0198  0.0208  2.
 147 LCANCERS005     THYROID L-THYROID      1.     1.     0.      6.48E-04        0.00648 2.
 148 LCANCERS006     LIVER   L-LIVER 1.     1.     0.     0.003   0.00316 2.
 149 LCANCERS007     COLON   'L-LOWER LI'   1.     1.     0.      0.0208  0.0378  2.
 150 LCANCERS008     RESIDUAL       'L-BLAD WAL'   1.     1.     0.      0.0493  0.169   2.
     *
     * NUM1=0
 151 TYPE1NUMBER     0
     *
     * NUM1 - Number of results of type 1
 152 TYPE1NUMBER     38
********   RECORD NUMBER   152 REPLACES RECORD NUMBER   151   ********
     *
     * NAME1, I1DIS1, I2DIS1, CCDF1 - Health-Effect Cases
 153 TYPE1OUT001     'ERL FAT/TOTAL' 1      12      REPORT
 154 TYPE1OUT002     'ERL FAT/TOTAL' 1      19      REPORT
 155 TYPE1OUT003     'ERL FAT/TOTAL' 1      26      REPORT
 156 TYPE1OUT004     'CAN INJ/TOTAL' 1      12      REPORT
 157 TYPE1OUT005     'CAN INJ/TOTAL' 1      15      REPORT
 158 TYPE1OUT006     'CAN INJ/TOTAL' 1      17      REPORT
 159 TYPE1OUT007     'CAN INJ/TOTAL' 1      18      REPORT
 160 TYPE1OUT008     'CAN INJ/TOTAL' 1      19      REPORT
 161 TYPE1OUT009     'CAN INJ/TOTAL' 1      21      REPORT
 162 TYPE1OUT010     'CAN INJ/TOTAL' 1      23      REPORT
 163 TYPE1OUT011     'CAN INJ/TOTAL' 1      25      REPORT
 164 TYPE1OUT012     'CAN INJ/TOTAL' 1      26      REPORT
 165 TYPE1OUT013     'CAN FAT/TOTAL' 1      12      REPORT
 166 TYPE1OUT014     'CAN FAT/TOTAL' 1      15      REPORT
 167 TYPE1OUT015     'CAN FAT/TOTAL' 1      17      REPORT
 168 TYPE1OUT016     'CAN FAT/TOTAL' 1      18      REPORT
 169 TYPE1OUT017     'CAN FAT/TOTAL' 1      19      REPORT
 170 TYPE1OUT018     'CAN FAT/TOTAL' 1      21      REPORT
 171 TYPE1OUT019     'CAN FAT/TOTAL' 1      23      REPORT
 172 TYPE1OUT020     'CAN FAT/TOTAL' 1      25      REPORT
 173 TYPE1OUT021     'CAN FAT/TOTAL' 1      26      REPORT
 174 TYPE1OUT022     'CAN FAT/THYROID'      1       12      REPORT
 175 TYPE1OUT023     'CAN FAT/THYROID'      1       19      REPORT
 176 TYPE1OUT024     'CAN FAT/THYROID'      1       21      REPORT
 177 TYPE1OUT025     'CAN FAT/THYROID'      1       26      REPORT
 178 TYPE1OUT026     'CAN FAT/BREAST'       1       12      REPORT
 179 TYPE1OUT027     'CAN FAT/BREAST'       1       19      REPORT
 180 TYPE1OUT028     'CAN FAT/BREAST'       1       21      REPORT
 181 TYPE1OUT029     'CAN FAT/BREAST'       1       26      REPORT
 182 TYPE1OUT030     'CAN FAT/LUNG' 1       12      REPORT
 183 TYPE1OUT031     'CAN FAT/LUNG' 1       19      REPORT
 184 TYPE1OUT032     'CAN FAT/LUNG' 1       21      REPORT
 185 TYPE1OUT033     'CAN FAT/LUNG' 1       26      REPORT
 186 TYPE1OUT034     'CAN FAT/LEUKEMIA'     1       26      REPORT
 187 TYPE1OUT035     'CAN FAT/BONE' 1       26      REPORT
 188 TYPE1OUT036     'CAN FAT/LIVER' 1      26      REPORT
 189 TYPE1OUT037     'CAN FAT/COLON' 1      26      REPORT
 190 TYPE1OUT038     'CAN FAT/RESIDUAL'     1       26      REPORT
     *
     * NUM2=0
 191 TYPE2NUMBER     0
     *
     * NUM2 - Number of results of type 2
 192 TYPE2NUMBER     1
********   RECORD NUMBER   192 REPLACES RECORD NUMBER   191   ********
     *
     * RISTHR, CCDF2  - Early-Fatality Radius
 193 TYPE2OUT001     0.      NONE
     *
     * NUM3=0
 194 TYPE3NUMBER     0
     *
     * NUM3 - Number of results of type 3
 195 TYPE3NUMBER     3
********   RECORD NUMBER   195 REPLACES RECORD NUMBER   194   ********
     *
     * NAME3, DOSTH3, CCDF3 - Population Exceeding a Dose Threshold
 196 TYPE3OUT001     'A-RED MARR'    2.32    NONE
 197 TYPE3OUT002     A-LUNGS 13.6    NONE
 198 TYPE3OUT003     A-STOMACH       6.5     NONE
     *
     * NUM4=0
 199 TYPE4NUMBER     0
     *
     * NUM5 =0
 200 TYPE5NUMBER     0
     *
     * NUM5 - Number of results of type 5
 201 TYPE5NUMBER     4
********   RECORD NUMBER   201 REPLACES RECORD NUMBER   200   ********
     *
     * NAME5, I1DIS5, CCDF5 - Population Dose
 202 TYPE5OUT001     L-ICRP60ED      1       12      REPORT
 203 TYPE5OUT002     L-ICRP60ED      1       19      REPORT
 204 TYPE5OUT003     L-ICRP60ED      1       21      REPORT
 205 TYPE5OUT004     L-ICRP60ED      1       26      REPORT
     *
     * NUM6 =0
 206 TYPE6NUMBER     0
     *
     * NUM7=0
 207 TYPE7NUMBER     0
     *
     * NUM8=0
 208 TYPE8NUMBER     0
     *
     * NUM8 - Number of results of type 8
 209 TYPE8NUMBER     17
********   RECORD NUMBER   209 REPLACES RECORD NUMBER   208   ********
     *
     * NAME8, I1DIS8, I2DIS8, CCDF8 - Population-Weighted Risk
 210 TYPE8OUT001     'CAN FAT/TOTAL' 1      12      REPORT
```

```
  211  TYPE8OUT002     'CAN FAT/TOTAL' 1       15     REPORT
  212  TYPE8OUT003     'CAN FAT/TOTAL' 1       17     REPORT
  213  TYPE8OUT004     'CAN FAT/TOTAL' 1       18     REPORT
  214  TYPE8OUT005     'CAN FAT/TOTAL' 1       19     REPORT
  215  TYPE8OUT006     'CAN FAT/TOTAL' 1       21     REPORT
  216  TYPE8OUT007     'CAN FAT/TOTAL' 1       23     REPORT
  217  TYPE8OUT008     'CAN FAT/TOTAL' 1       25     REPORT
  218  TYPE8OUT009     'CAN FAT/TOTAL' 1       26     REPORT
  219  TYPE8OUT010     'CAN FAT/TOTAL' 13      15     REPORT
  220  TYPE8OUT011     'CAN FAT/TOTAL' 16      17     REPORT
  221  TYPE8OUT012     'CAN FAT/TOTAL' 18      18     REPORT
  222  TYPE8OUT013     'CAN FAT/TOTAL' 19      19     REPORT
  223  TYPE8OUT014     'CAN FAT/TOTAL' 20      21     REPORT
  224  TYPE8OUT015     'CAN FAT/TOTAL' 22      23     REPORT
  225  TYPE8OUT016     'CAN FAT/TOTAL' 24      25     REPORT
  226  TYPE8OUT017     'CAN FAT/TOTAL' 26      26     REPORT
     *
     * NUMA=0
  227  TYPEANUMBER     0
     *
     * NUMA - Number of results of type A
  228  TYPEANUMBER     1
********  RECORD NUMBER   228 REPLACES RECORD NUMBER   227  ********
     *
     * NAMEA, I1DISA, I2DISA, CCDFA - Peak Dose vs Distance
  229  TYPEAOUT001     L-ICRP60ED     1       26     REPORT
     *
     * NUMB =0
  230  TYPEBNUMBER     0
     *
     * NUMC=0
  231  TYPECNUMBER     0
     *
     * Form 'Land Area Exceeding Dose' Comment:
     * Emergency Phase PAGs
     *
     * NUMC number of typeC output
  232  TYPECNUMBER     3
********  RECORD NUMBER   232 REPLACES RECORD NUMBER   231  ********
     *
     * ORGNAM8, ELEVDOSE, PRINT_FLAG_C - organs for typeC output
  233  TYPECOUT001     L-ICRP60ED     0.01    .FALSE.
  234  TYPECOUT002     L-ICRP60ED     0.05    .FALSE.
  235  TYPECOUT003     A-THYROID      0.05    .FALSE.
     *
     * NUMD = 0
  236  TYPEDNUMBER     0
     *
     * NUMD number of typeD output
  237  TYPEDNUMBER     16
********  RECORD NUMBER   237 REPLACES RECORD NUMBER   236  ********
     *
     * I1DISD, NUCLIDED, ELEVCONC, PRINT_FLAG_D
  238  TYPEDOUT001     12     Cs-137  37000.  .FALSE.
  239  TYPEDOUT002     12     Cs-137  1.85000E+05     .FALSE.
  240  TYPEDOUT003     12     Cs-137  5.55000E+05     .FALSE.
  241  TYPEDOUT004     12     Cs-137  1.480000E+06    .FALSE.
  242  TYPEDOUT005     19     Cs-137  37000.  .FALSE.
  243  TYPEDOUT006     19     Cs-137  1.85000E+05     .FALSE.
  244  TYPEDOUT007     19     Cs-137  5.55000E+05     .FALSE.
  245  TYPEDOUT008     19     Cs-137  1.480000E+06    .FALSE.
  246  TYPEDOUT009     21     Cs-137  37000.  .FALSE.
  247  TYPEDOUT010     21     Cs-137  1.85000E+05     .FALSE.
  248  TYPEDOUT011     21     Cs-137  5.55000E+05     .FALSE.
  249  TYPEDOUT012     21     Cs-137  1.480000E+06    .FALSE.
  250  TYPEDOUT013     25     Cs-137  37000.  .FALSE.
  251  TYPEDOUT014     25     Cs-137  1.85000E+05     .FALSE.
  252  TYPEDOUT015     25     Cs-137  5.55000E+05     .FALSE.
  253  TYPEDOUT016     25     Cs-137  1.480000E+06    .FALSE.
     *
     * DOSMOD, dose model, LNT, AT or PL
  254  LCDOSMOD001     LNT
     *
     * Form 'Annual Threshold' Comment:
     * Threshold values are from Health Physics Society position statement PS010-1 (August 2004).
     *
     * DTHNUM, Number of annual dose threshold values
  255  LCDTHNUM001     1
     *
     * DTHANN, Annual threshold values
  256  LCDTHANN001     1.E-04
     *
     * DTHLIF, Lifetime dose restriction
  257  LCDTHLIF001     10000.
     *
     * KIMODL, KI model
  258  EZKIMODL001     KI
     *
     * EFFACY_TH, KI Ingestion
  259  EZEFFACY001     0.7
     *
     * POPFRAC_TH, KI Ingestion, SLT
  260  EZPOPFRC001     1.
     *
     * FRACLD_FILE - popflg=FILE, dummy variable
  261  STFRACLD001     1.0
     *
     * NUME=0
  262  TYPEENUMBER     0

******** TERMINATOR RECORD ENCOUNTERED -- END OF BASE CASE USER INPUT ********


USER INPUT PROCESSING SUMMARY - BASE CASE

NUMBER OF RECORDS READ                    =  465
NUMBER OF BLANK OR COMMENT RECORDS READ   =  202
NUMBER OF TERMINATOR RECORDS              =    1
NUMBER OF RECORDS PROCESSED               =  262
```

NUMBER OF PROCESSED RECORDS DUPLICATED = 8
NUMBER OF PROCESSED RECORDS SORTED = 254
****

THE KI MODEL IS IN EFFECT
READING DCF FILE:C:\Program Files\WinMACCS\SPF Scoping Study\R4 (version 3.7.0)\10-mile evac\3.4 LowDensity\Data\FGR13GyEquivDCF.INP
DCF FILE is of type :FGR13DF
Am using a FGR13DCF dose factor file

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	2	1	1	
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	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

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		
2	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		
5	1	1	1	1	1	1	1	1	2	2	2	2	2	1		
6	1	1	1	1	1	1	1	1	1	2	2	2	2	2		
7	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	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	1	4	1	1	1	1	2	1	4	1	1
15	1	1	1	1	1	1	1	1	4	4	4	2	2	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

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		
2	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	
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

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				
2	1	1	1	1	1	1	1	1	1	1	1	1				
3	1	1	1	1	1	1	1	1	1	1	4	1				
4	1	4	4	2	1	1	4	2	1	4	4	4	4	1		
5	4	4	2	2	1	4	4	2	1	1	1	1	1	1		
6	4	2	2	1	4	4	4	4	4	4	1	1	1	1		
7	4	4	4	1	4	4	4	4	4	4	1	1	1	1		
8	1	4	4	1	4	4	4	2	2	1	1	1	1	2	2	
9	4	4	4	1	4	2	1	4	1	4	1	1	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

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 15    1  4  2  1  2  1  1  2  1  1  2  2  2  1  2  1
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 17    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:  Peach Bottom Census: C:\Program Files\SecPOP_2000\Census\CENSUS00.DAT County: C:\Program Files\SecPOP_2000\Census\COUNTY2002RA.DAT* Created from P:\SFP Comparative Study\MACCS2 runs\SFPSS February\SFPSS base
seismic\Data\PBsite2011_64cp_26r rev1.inp using PopMod 1.0.4 3/14/2012 2:33:26 PM
 Lat: 39d45'32" Long:  76d16' 9" Population multiplier: 1.1051 Economic multiplier: 1.2500 Run Time: 3/12/2012 12:54:07 PM
  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
 POPULATION
       0.       0.       0.       0.       0.       0.       0.      11.
       0.      78.      96.     462.    1022.    2382.   21591.   15081.
   14023.    8126.   15295.   24411.   56436.   61039.  151087.  323046.
    6284.       0.
       0.       0.       0.       0.       0.       0.       0.      11.
       0.      78.      96.     462.    1022.    2382.   21591.   15081.
   14023.    8126.   15295.   24411.   56436.   61039.  151087.  323046.
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   66812.       9.
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      16.      58.     152.     683.    1769.    1200.    2705.    3351.
    5547.   13945.   58301.   28654.   60915.  128324.   47030.  398928.
  127340.      17.
       0.       0.       0.       0.       0.       0.       7.       0.
      16.      58.     152.     683.    1769.    1200.    2705.    3351.
    5547.   13945.   58301.   28654.   60915.  128324.   47030.  398928.
  127340.      17.
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      16.      58.     152.     683.    1769.    1200.    2705.    3351.
    5547.   13945.   58301.   28654.   60915.  128324.   47030.  398928.
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WATERSHED INDEX
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  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
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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

REGIONAL ECONOMIC DATA

1	EXCLUSION	.493	.164	1597.5	14841.3	267452.5
2	REGION_02	.493	.164	1597.5	14841.3	267452.5
3	REGION_03	.678	.333	5987.5	24571.3	269488.8
4	REGION_04	.678	.333	5987.5	24571.3	269488.8
5	REGION_05	.327	.186	2228.8	12328.8	244522.4
6	REGION_06	.322	.627	1031.5	4685.6	221426.7
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	5987.5	24571.3	269488.8
10	REGION_10	.678	.333	5987.5	24571.3	269488.8
11	REGION_11	.276	.142	2403.4	15362.4	263393.6
12	REGION_12	.183	.521	952.4	5380.4	232615.4
13	REGION_13	.000	.000	0.0	0.0	0.0
14	REGION_14	.678	.333	5987.5	24571.3	269488.8
15	REGION_15	.678	.333	5987.5	24571.3	269488.8
16	REGION_16	.602	.286	6202.0	26278.3	308768.9
17	REGION_17	.314	.127	2566.4	27195.2	383801.6
18	REGION_18	.091	.237	1409.4	12681.8	270060.0
19	REGION_19	.000	.000	0.0	0.0	0.0
20	REGION_20	.678	.333	5987.5	24571.3	269488.8
21	REGION_21	.678	.333	5987.5	24571.3	269488.8
22	REGION_22	.443	.186	6650.8	29850.9	390973.1
23	REGION_23	.191	.070	2708.6	42103.8	397659.4
24	REGION_24	.086	.046	9398.7	49875.9	357410.7
25	REGION_25	.000	.000	0.0	0.0	0.0
26	REGION_26	.678	.333	5987.5	24571.3	269488.8
27	REGION_27	.678	.333	5987.5	24571.3	269488.7
28	REGION_28	.382	.132	6302.6	29463.6	401859.2
29	REGION_29	.196	.040	3402.4	26358.8	318103.1
30	REGION_30	.033	.000	2801.1	44149.3	300457.7
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	5403.2	23369.9	270489.2
34	REGION_34	.350	.008	2915.4	18419.2	279887.2
35	REGION_35	.209	.027	4658.0	16837.1	283816.1
36	REGION_36	.084	.000	7993.7	17902.5	293675.5
37	REGION_37	.000	.000	0.0	0.0	0.0
38	REGION_38	.666	.322	5699.6	23933.2	269355.2
39	REGION_39	.346	.000	2748.8	17912.5	275033.8
40	REGION_40	.346	.001	2740.8	17900.1	275225.8
41	REGION_41	.444	.060	2976.9	12897.8	264007.0
42	REGION_42	.467	.013	4769.4	11589.4	249102.5
43	REGION_43	.000	.000	0.0	0.0	0.0
44	REGION_44	.493	.164	1597.5	14841.3	267452.5
45	REGION_45	.303	.315	1033.1	15123.5	314129.9
46	REGION_46	.289	.327	990.0	15145.0	317690.6
47	REGION_47	.515	.040	3131.8	10518.6	261393.7
48	REGION_48	.361	.001	4563.6	7907.1	230038.3
49	REGION_49	.000	.000	0.0	0.0	0.0
50	REGION_50	.493	.164	1597.5	14841.3	267452.5
51	REGION_51	.301	.317	1027.0	15126.5	314629.3
52	REGION_52	.289	.327	990.0	15145.0	317691.3
53	REGION_53	.455	.043	1411.0	10735.1	307246.6
54	REGION_54	.277	.002	1563.5	8142.3	228214.0
55	REGION_55	.000	.000	0.0	0.0	0.0
56	REGION_56	.493	.164	1597.5	14841.3	267452.5
57	REGION_57	.309	.310	1050.9	15114.5	312651.0
58	REGION_58	.257	.249	1514.8	16971.1	332311.6
59	REGION_59	.157	.022	833.4	16703.4	326956.9
60	REGION_60	.311	.043	1841.7	8978.3	227750.8
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	1108.2	15085.9	307920.1
64	REGION_64	.246	.223	1693.3	17592.2	337283.3
65	REGION_65	.202	.075	1465.8	20888.5	417597.2
66	REGION_66	.272	.049	1241.1	7876.9	214429.8
67	REGION_67	.000	.000	0.0	0.0	0.0
68	REGION_68	.493	.164	1597.5	14841.3	267452.5
69	REGION_69	.455	.194	1485.4	14897.3	276726.3
70	REGION_70	.236	.177	1988.8	18545.9	343449.3
71	REGION_71	.453	.304	1278.9	18274.9	324722.2
72	REGION_72	.463	.046	683.6	5306.7	198416.6
73	REGION_73	.000	.000	0.0	0.0	0.0
74	REGION_74	.493	.164	1597.5	14841.3	267452.5
75	REGION_75	.493	.164	1597.5	14841.3	267452.5
76	REGION_76	.462	.155	1704.8	15463.5	277354.7
77	REGION_77	.464	.393	1871.0	12193.9	259129.2
78	REGION_78	.699	.059	726.3	6501.2	227236.6
79	REGION_79	.000	.000	0.0	0.0	0.0
80	REGION_80	.493	.164	1597.5	14841.3	267452.5
81	REGION_81	.493	.164	1597.5	14841.3	267452.5
82	REGION_82	.493	.164	1597.5	14841.3	267452.6
83	REGION_83	.409	.423	1830.5	10962.2	248707.1
84	REGION_84	.542	.249	1185.0	7857.4	247338.3
85	REGION_85	.000	.000	0.0	0.0	0.0
86	REGION_86	.493	.164	1597.5	14841.3	267452.5
87	REGION_87	.500	.170	1768.2	15219.5	267531.7
88	REGION_88	.498	.168	1706.2	15082.1	267503.1
89	REGION_89	.369	.357	1947.2	11473.8	242836.9
90	REGION_90	.132	.268	512.4	5664.8	223019.3
91	REGION_91	.000	.000	0.0	0.0	0.0
92	REGION_92	.493	.164	1597.5	14841.3	267452.5
93	REGION_93	.678	.333	5987.5	24571.3	269488.8
94	REGION_94	.678	.333	5982.8	24561.0	269486.3
95	REGION_95	.406	.260	2724.2	13333.0	248126.0
96	REGION_96	.342	.453	1204.8	5227.4	229491.3
97	REGION_97	.000	.000	0.0	0.0	0.0

POPULATION

******** BEGINNING OF CHANGE CASE 1 USER INPUT ********

*

* Form 'Basic Parameters' Comment:

* Public (0-10)
*
* EANAM2 - Name of emergency response cohort
263 EZEANAM2001 'Group 2'
******** RECORD NUMBER 263 REPLACES RECORD NUMBER 42 ********
*
* WTFRAC - weighting fraction applied to results of emergency response cohort
264 EZWTFRAC001 0.417
******** RECORD NUMBER 264 REPLACES RECORD NUMBER 44 ********
*
* TRAVELPOINT - determines whether boundary or centerpoint of destination is evacuee objective.
265 TRAVELPOINT CENTERPOINT
******** RECORD NUMBER 265 REPLACES RECORD NUMBER 46 ********
*
* ESPEED - evacuee travel speed during the three phases of evacuation
266 EZESPEED001 2.235
******** RECORD NUMBER 266 REPLACES RECORD NUMBER 47 ********
267 EZESPEED002 0.894
******** RECORD NUMBER 267 REPLACES RECORD NUMBER 48 ********
268 EZESPEED003 8.941
******** RECORD NUMBER 268 REPLACES RECORD NUMBER 49 ********
*
* ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
269 EZESPMUL001 0.7
******** RECORD NUMBER 269 REPLACES RECORD NUMBER 50 ********
270 EZESPMUL002 0.7
******** RECORD NUMBER 270 REPLACES RECORD NUMBER 51 ********
271 EZESPMUL003 0.7
******** RECORD NUMBER 271 REPLACES RECORD NUMBER 52 ********
*
* REFPNT - Defines reference time point for actions in evacuation ans sheltering zone.
272 EZREFPNT001 ALARM
******** RECORD NUMBER 272 REPLACES RECORD NUMBER 53 ********
*
* DURBEG - duration of initial phase (beginning) of evacuation, in seconds.
273 EZDURBEG001 900.
******** RECORD NUMBER 273 REPLACES RECORD NUMBER 54 ********
*
* DURMID - duration of middle phase of evacuation, in seconds.
274 EZDURMID001 10800.
******** RECORD NUMBER 274 REPLACES RECORD NUMBER 55 ********
*
* NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
275 EZNUMEVA001 12
******** RECORD NUMBER 275 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.
276 EZDLTSHL001 7200.
******** RECORD NUMBER 276 REPLACES RECORD NUMBER 57 ********
277 EZDLTSHL002 7200.
******** RECORD NUMBER 277 REPLACES RECORD NUMBER 58 ********
278 EZDLTSHL003 7200.
******** RECORD NUMBER 278 REPLACES RECORD NUMBER 59 ********
279 EZDLTSHL004 7200.
******** RECORD NUMBER 279 REPLACES RECORD NUMBER 60 ********
280 EZDLTSHL005 7200.
******** RECORD NUMBER 280 REPLACES RECORD NUMBER 61 ********
281 EZDLTSHL006 7200.
******** RECORD NUMBER 281 REPLACES RECORD NUMBER 62 ********
282 EZDLTSHL007 7200.
******** RECORD NUMBER 282 REPLACES RECORD NUMBER 63 ********
283 EZDLTSHL008 7200.
******** RECORD NUMBER 283 REPLACES RECORD NUMBER 64 ********
284 EZDLTSHL009 7200.
******** RECORD NUMBER 284 REPLACES RECORD NUMBER 65 ********
285 EZDLTSHL010 7200.
******** RECORD NUMBER 285 REPLACES RECORD NUMBER 66 ********
286 EZDLTSHL011 7200.
******** RECORD NUMBER 286 REPLACES RECORD NUMBER 67 ********
287 EZDLTSHL012 7200.
******** RECORD NUMBER 287 REPLACES RECORD NUMBER 68 ********
*
* DLTEVA -Delay time to begin evacuation
288 EZDLTEVA001 3600.
******** RECORD NUMBER 288 REPLACES RECORD NUMBER 72 ********
289 EZDLTEVA002 3600.
******** RECORD NUMBER 289 REPLACES RECORD NUMBER 73 ********
290 EZDLTEVA003 3600.
******** RECORD NUMBER 290 REPLACES RECORD NUMBER 74 ********
291 EZDLTEVA004 3600.
******** RECORD NUMBER 291 REPLACES RECORD NUMBER 75 ********
292 EZDLTEVA005 3600.
******** RECORD NUMBER 292 REPLACES RECORD NUMBER 76 ********
293 EZDLTEVA006 3600.
******** RECORD NUMBER 293 REPLACES RECORD NUMBER 77 ********
294 EZDLTEVA007 3600.
******** RECORD NUMBER 294 REPLACES RECORD NUMBER 78 ********
295 EZDLTEVA008 3600.
******** RECORD NUMBER 295 REPLACES RECORD NUMBER 79 ********
296 EZDLTEVA009 3600.
******** RECORD NUMBER 296 REPLACES RECORD NUMBER 80 ********
297 EZDLTEVA010 3600.
******** RECORD NUMBER 297 REPLACES RECORD NUMBER 81 ********
298 EZDLTEVA011 3600.
******** RECORD NUMBER 298 REPLACES RECORD NUMBER 82 ********
299 EZDLTEVA012 3600.
******** RECORD NUMBER 299 REPLACES RECORD NUMBER 83 ********
*
* ESPGRD_NET - Evacuation speed multiplier for network evacuation
300 EZESPGRD001 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 300 REPLACES RECORD NUMBER 87 ********
301 EZESPGRD002 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 301 REPLACES RECORD NUMBER 88 ********
302 EZESPGRD003 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 302 REPLACES RECORD NUMBER 89 ********
303 EZESPGRD004 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.

```
1.  1.  1.  1.  1.  .75  .75  .75
********  RECORD NUMBER  303 REPLACES RECORD NUMBER  90  ********
 304 EZESPGRD005  .75  .75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.  1.  1.  1.  1.  .75  .75  .75
********  RECORD NUMBER  304 REPLACES RECORD NUMBER  91  ********
 305 EZESPGRD006  .75  .75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.  1.  1.  1.  1.  .75  .75  .75
********  RECORD NUMBER  305 REPLACES RECORD NUMBER  92  ********
 306 EZESPGRD007  .75  .75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.  1.  1.  1.  1.  .75  .75  .75
********  RECORD NUMBER  306 REPLACES RECORD NUMBER  93  ********
 307 EZESPGRD008  .75  .75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.  1.  1.  1.  1.  .75  .75  .75
********  RECORD NUMBER  307 REPLACES RECORD NUMBER  94  ********
 308 EZESPGRD009  .75  .75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.  1.  1.  1.  1.  .75  .75  .75
********  RECORD NUMBER  308 REPLACES RECORD NUMBER  95  ********
 309 EZESPGRD010  .75  .75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.  1.  1.  1.  1.  .75  .75  .75
********  RECORD NUMBER  309 REPLACES RECORD NUMBER  96  ********
 310 EZESPGRD011  .75  .75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.  1.  1.  1.  1.  .75  .75  .75
********  RECORD NUMBER  310 REPLACES RECORD NUMBER  97  ********
 311 EZESPGRD012  .75  .75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.  1.  1.  1.  1.  .75  .75  .75
********  RECORD NUMBER  311 REPLACES RECORD NUMBER  98  ********
 312 EZESPGRD013  .75  .75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. .75 1.
1.  1.  1.  1.  1.  .75  .75  .75
********  RECORD NUMBER  312 REPLACES RECORD NUMBER  99  ********
 313 EZESPGRD014  .75  .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. .75
1.  1.  1.  1.  1.  1.  .75  .75  .75
********  RECORD NUMBER  313 REPLACES RECORD NUMBER  100  ********
 314 EZESPGRD015  .75  .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. .75
1.  1.  1.  1.  1.  1.  .75  .75  .75
********  RECORD NUMBER  314 REPLACES RECORD NUMBER  101  ********
 315 EZESPGRD016  .75  .75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.  1.  1.  1.  1.  .75  .75  .75
********  RECORD NUMBER  315 REPLACES RECORD NUMBER  102  ********
 316 EZESPGRD017  .75  .75  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.  1.  1.  1.  1.  .75  .75  .75
********  RECORD NUMBER  316 REPLACES RECORD NUMBER  103  ********
     *
     * IDIREC - destination direction of every spatial element in the evacuation and sheltering region
 317 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  317 REPLACES RECORD NUMBER  104  ********
 318 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  318 REPLACES RECORD NUMBER  105  ********
 319 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  319 REPLACES RECORD NUMBER  106  ********
 320 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  320 REPLACES RECORD NUMBER  107  ********
 321 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  321 REPLACES RECORD NUMBER  108  ********
 322 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  322 REPLACES RECORD NUMBER  109  ********
 323 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 2 2 1 4 4 4 4
4  4  1  1  1  1  1  1
********  RECORD NUMBER  323 REPLACES RECORD NUMBER  110  ********
 324 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 2 1 4 4 4 2
2  1  1  1  1  1  2  2
********  RECORD NUMBER  324 REPLACES RECORD NUMBER  111  ********
 325 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 2 2 1 4 2 1 4
1  4  1  1  1  2  2  2
********  RECORD NUMBER  325 REPLACES RECORD NUMBER  112  ********
 326 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 2 1 1 1 4 2 1 4 4 2 2 1 1 1 1 1
4  4  1  1  1  1  1  1
********  RECORD NUMBER  326 REPLACES RECORD NUMBER  113  ********
 327 EZIDIREC011  1 1 4 2 1 4 2 1 4 4 2 1 4 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  327 REPLACES RECORD NUMBER  114  ********
 328 EZIDIREC012  2 1 1 4 1 1 4 1 4 4 2 1 4 2 1 1 4 4 2 2 2 1 4 1 2 1 2 2 1 4 4 2 2 1 1 4 4 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  328 REPLACES RECORD NUMBER  115  ********
 329 EZIDIREC013  1 1 4 1 4 2 1 1 2 1 4 4 2 2 1 1 1 1 1 1 1 2 1 2 2 1 1 2 1 4 2 2 1 4 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  329 REPLACES RECORD NUMBER  116  ********
 330 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  330 REPLACES RECORD NUMBER  117  ********
 331 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  331 REPLACES RECORD NUMBER  118  ********
 332 EZIDIREC016  1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1  1  1  1  1  1  1  1
********  RECORD NUMBER  332 REPLACES RECORD NUMBER  119  ********
 333 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  333 REPLACES RECORD NUMBER  120  ********
     *
     * LASMOV - The outermost spatial interval of the evacuation movement zone.
 334 EZLASMOV001    17
********  RECORD NUMBER  334 REPLACES RECORD NUMBER  121  ********
     *
     * EFFACY,  KI Ingestion
 335 EZEFFACY001    0.7
********  RECORD NUMBER  335 REPLACES RECORD NUMBER  259  ********
     *
     * POPFRAC, KI Ingestion
 336 EZPOPFRC001    0.
********  RECORD NUMBER  336 REPLACES RECORD NUMBER  260  ********
     .
******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE   1 USER INPUT ********
```

USER INPUT PROCESSING SUMMARY - CHANGE CASE 1
NUMBER OF RECORDS CHANGED = 74
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	2	1	4	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

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	1	4	4
11	4	2	2	2	2	2	1	4	4	1	1	4	2	2	1	1
12	4	4	2	2	2	1	4	1	2	1	2	2	1	4	4	2
13	1	1	1	1	1	2	1	2	2	1	1	2	1	4	2	2
14	1	1	1	1	1	1	4	1	1	1	2	1	4	1	1	1
15	1	1	1	1	1	1	1	1	4	4	4	2	2	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

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	2	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	2	1	1	4	4	2	1	1	1	1	4	1	1	1	1	4
13	1	4	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

IRAD	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1
4	1	4	4	2	1	1	4	2	1	4	4	4	4	4	1	1
5	4	4	2	2	1	4	4	2	1	1	1	1	1	1	1	1
6	4	2	2	1	4	4	4	4	4	4	1	1	1	1	1	1
7	4	2	2	1	4	4	4	4	4	4	1	1	1	1	1	1
8	1	4	2	1	4	4	4	2	2	1	1	1	1	1	2	2
9	4	2	2	1	4	2	1	4	1	4	1	1	1	2	2	2
10	4	2	2	1	1	1	1	1	4	4	1	1	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	2	1	1	4	2	1	4	2	1	4	1
14	1	4	4	2	2	2	1	1	4	1	4	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

THE KI MODEL IS IN EFFECT

******** BEGINNING OF CHANGE CASE 2 USER INPUT ********
*
* CSFACT - Cloudshine shielding factor
337 SECSFACT001 1.
******** RECORD NUMBER 337 REPLACES RECORD NUMBER 25 ********
338 SECSFACT002 0.31
******** RECORD NUMBER 338 REPLACES RECORD NUMBER 26 ********
339 SECSFACT003 0.31
******** RECORD NUMBER 339 REPLACES RECORD NUMBER 27 ********
*
* PROTIN - Inhalation protection factor
340 SEPROTIN001 0.98
******** RECORD NUMBER 340 REPLACES RECORD NUMBER 28 ********
341 SEPROTIN002 0.33
******** RECORD NUMBER 341 REPLACES RECORD NUMBER 29 ********
342 SEPROTIN003 0.33
******** RECORD NUMBER 342 REPLACES RECORD NUMBER 30 ********
*
* BRRATE - Breathing rates

```
 343 SEBRRATE001     2.66E-04
******** RECORD NUMBER  343 REPLACES RECORD NUMBER   31 ********
 344 SEBRRATE002     2.66E-04
******** RECORD NUMBER  344 REPLACES RECORD NUMBER   32 ********
 345 SEBRRATE003     2.66E-04
******** RECORD NUMBER  345 REPLACES RECORD NUMBER   33 ********
    *
    * SKPFAC - skin protection factors
 346 SESKPFAC001     0.98
******** RECORD NUMBER  346 REPLACES RECORD NUMBER   34 ********
 347 SESKPFAC002     0.33
******** RECORD NUMBER  347 REPLACES RECORD NUMBER   35 ********
 348 SESKPFAC003     0.33
******** RECORD NUMBER  348 REPLACES RECORD NUMBER   36 ********
    *
    * GSHFAC - groundshine shielding factors
 349 SEGSHFAC001     0.5
******** RECORD NUMBER  349 REPLACES RECORD NUMBER   37 ********
 350 SEGSHFAC002     0.05
******** RECORD NUMBER  350 REPLACES RECORD NUMBER   38 ********
 351 SEGSHFAC003     0.05
******** RECORD NUMBER  351 REPLACES RECORD NUMBER   39 ********
    *
    * Form 'Basic Parameters' Comment:
    * Special Facilities (0-10 miles)
    *
    * EANAM2 - Name of emergency response cohort
 352 EZEANAM2001     'Group 3'
******** RECORD NUMBER  352 REPLACES RECORD NUMBER   42 ********
    *
    * WTFRAC - weighting fraction applied to results of emergency response cohort
 353 EZWTFRAC001     0.006
******** RECORD NUMBER  353 REPLACES RECORD NUMBER   44 ********
    *
    * TRAVELPOINT - determines whether boundary or centerpoint of destination is evacuee objective.
 354 TRAVELPOINT     CENTERPOINT
******** RECORD NUMBER  354 REPLACES RECORD NUMBER   46 ********
    *
    * ESPEED - evacuee travel speed during the three phases of evacuation
 355 EZESPEED001     0.894
******** RECORD NUMBER  355 REPLACES RECORD NUMBER   47 ********
 356 EZESPEED002     6.706
******** RECORD NUMBER  356 REPLACES RECORD NUMBER   48 ********
 357 EZESPEED003     8.941
******** RECORD NUMBER  357 REPLACES RECORD NUMBER   49 ********
    *
    * ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
 358 EZESPMUL001     0.7
******** RECORD NUMBER  358 REPLACES RECORD NUMBER   50 ********
 359 EZESPMUL002     0.7
******** RECORD NUMBER  359 REPLACES RECORD NUMBER   51 ********
 360 EZESPMUL003     0.7
******** RECORD NUMBER  360 REPLACES RECORD NUMBER   52 ********
    *
    * REFPNT - Defines reference time point for actions in evacuation ans sheltering zone.
 361 EZREFPNT001     ALARM
******** RECORD NUMBER  361 REPLACES RECORD NUMBER   53 ********
    *
    * DURBEG - duration of initial phase (beginning) of evacuation, in seconds.
 362 EZDURBEG001     1800.
******** RECORD NUMBER  362 REPLACES RECORD NUMBER   54 ********
    *
    * DURMID - duration of middle phase of evacuation, in seconds.
 363 EZDURMID001     1800.
******** RECORD NUMBER  363 REPLACES RECORD NUMBER   55 ********
    *
    * NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
 364 EZNUMEVA001     12
******** RECORD NUMBER  364 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.
 365 EZDLTSHL001     0.
******** RECORD NUMBER  365 REPLACES RECORD NUMBER   57 ********
 366 EZDLTSHL002     0.
******** RECORD NUMBER  366 REPLACES RECORD NUMBER   58 ********
 367 EZDLTSHL003     0.
******** RECORD NUMBER  367 REPLACES RECORD NUMBER   59 ********
 368 EZDLTSHL004     0.
******** RECORD NUMBER  368 REPLACES RECORD NUMBER   60 ********
 369 EZDLTSHL005     0.
******** RECORD NUMBER  369 REPLACES RECORD NUMBER   61 ********
 370 EZDLTSHL006     0.
******** RECORD NUMBER  370 REPLACES RECORD NUMBER   62 ********
 371 EZDLTSHL007     0.
******** RECORD NUMBER  371 REPLACES RECORD NUMBER   63 ********
 372 EZDLTSHL008     0.
******** RECORD NUMBER  372 REPLACES RECORD NUMBER   64 ********
 373 EZDLTSHL009     0.
******** RECORD NUMBER  373 REPLACES RECORD NUMBER   65 ********
 374 EZDLTSHL010     0.
******** RECORD NUMBER  374 REPLACES RECORD NUMBER   66 ********
 375 EZDLTSHL011     0.
******** RECORD NUMBER  375 REPLACES RECORD NUMBER   67 ********
 376 EZDLTSHL012     0.
******** RECORD NUMBER  376 REPLACES RECORD NUMBER   68 ********
    *
    * DLTEVA -Delay time to begin evacuation
 377 EZDLTEVA001     14400.
******** RECORD NUMBER  377 REPLACES RECORD NUMBER   72 ********
 378 EZDLTEVA002     14400.
******** RECORD NUMBER  378 REPLACES RECORD NUMBER   73 ********
 379 EZDLTEVA003     14400.
******** RECORD NUMBER  379 REPLACES RECORD NUMBER   74 ********
 380 EZDLTEVA004     14400.
******** RECORD NUMBER  380 REPLACES RECORD NUMBER   75 ********
 381 EZDLTEVA005     14400.
******** RECORD NUMBER  381 REPLACES RECORD NUMBER   76 ********
 382 EZDLTEVA006     14400.
******** RECORD NUMBER  382 REPLACES RECORD NUMBER   77 ********
```

383 EZDLTEVA007 14400.
******** RECORD NUMBER 383 REPLACES RECORD NUMBER 78 ********
384 EZDLTEVA008 14400.
******** RECORD NUMBER 384 REPLACES RECORD NUMBER 79 ********
385 EZDLTEVA009 14400.
******** RECORD NUMBER 385 REPLACES RECORD NUMBER 80 ********
386 EZDLTEVA010 14400.
******** RECORD NUMBER 386 REPLACES RECORD NUMBER 81 ********
387 EZDLTEVA011 14400.
******** RECORD NUMBER 387 REPLACES RECORD NUMBER 82 ********
388 EZDLTEVA012 14400.
******** RECORD NUMBER 388 REPLACES RECORD NUMBER 83 ********
*
* ESPGRD_NET - Evacuation speed multiplier for network evacuation
389 EZESPGRD001 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 389 REPLACES RECORD NUMBER 87 ********
390 EZESPGRD002 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 390 REPLACES RECORD NUMBER 88 ********
391 EZESPGRD003 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 391 REPLACES RECORD NUMBER 89 ********
392 EZESPGRD004 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 392 REPLACES RECORD NUMBER 90 ********
393 EZESPGRD005 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 393 REPLACES RECORD NUMBER 91 ********
394 EZESPGRD006 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 394 REPLACES RECORD NUMBER 92 ********
395 EZESPGRD007 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 395 REPLACES RECORD NUMBER 93 ********
396 EZESPGRD008 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 396 REPLACES RECORD NUMBER 94 ********
397 EZESPGRD009 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 397 REPLACES RECORD NUMBER 95 ********
398 EZESPGRD010 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 398 REPLACES RECORD NUMBER 96 ********
399 EZESPGRD011 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 399 REPLACES RECORD NUMBER 97 ********
400 EZESPGRD012 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 400 REPLACES RECORD NUMBER 98 ********
401 EZESPGRD013 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. .75 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 401 REPLACES RECORD NUMBER 99 ********
402 EZESPGRD014 .75 .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. .75
1. 1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 402 REPLACES RECORD NUMBER 100 ********
403 EZESPGRD015 .75 .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. .75
1. 1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 403 REPLACES RECORD NUMBER 101 ********
404 EZESPGRD016 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 404 REPLACES RECORD NUMBER 102 ********
405 EZESPGRD017 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 405 REPLACES RECORD NUMBER 103 ********
*
* IDIREC - destination direction of every spatial element in the evacuation and sheltering region
406 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 406 REPLACES RECORD NUMBER 104 ********
407 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 407 REPLACES RECORD NUMBER 105 ********
408 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 408 REPLACES RECORD NUMBER 106 ********
409 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 409 REPLACES RECORD NUMBER 107 ********
410 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 410 REPLACES RECORD NUMBER 108 ********
411 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 411 REPLACES RECORD NUMBER 109 ********
412 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 2 2 1 4 4 4 4
4 4 1 1 1 1 1 1
******** RECORD NUMBER 412 REPLACES RECORD NUMBER 110 ********
413 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 2 1 4 4 4 2
2 1 1 1 1 1 2 2
******** RECORD NUMBER 413 REPLACES RECORD NUMBER 111 ********
414 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 2 2 1 4 2 1 4
1 4 1 1 1 2 2 2
******** RECORD NUMBER 414 REPLACES RECORD NUMBER 112 ********
415 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 2 1 1 1 4 2 1 4 4 2 2 1 1 1 1 1
4 4 1 1 1 1 1 1
******** RECORD NUMBER 415 REPLACES RECORD NUMBER 113 ********
416 EZIDIREC011 1 1 4 2 1 4 2 1 4 4 2 1 4 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 416 REPLACES RECORD NUMBER 114 ********
417 EZIDIREC012 2 1 1 4 1 1 4 1 4 4 2 1 4 2 1 1 4 4 2 2 2 1 4 1 2 1 2 2 1 4 4 2 2 1 1 4 4 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 417 REPLACES RECORD NUMBER 115 ********
418 EZIDIREC013 1 1 4 1 4 2 1 1 2 1 4 4 2 2 1 1 1 1 1 1 1 2 1 2 2 1 1 2 1 4 2 2 1 4 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 418 REPLACES RECORD NUMBER 116 ********
419 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 419 REPLACES RECORD NUMBER 117 ********

```
 420  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   420 REPLACES RECORD NUMBER   118  ********
 421  EZIDIREC016    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
********  RECORD NUMBER   421 REPLACES RECORD NUMBER   119  ********
 422  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
********  RECORD NUMBER   422 REPLACES RECORD NUMBER   120  ********
     *
     * LASMOV - The outermost spatial interval of the evacuation movement zone.
 423  EZLASMOV001      17
********  RECORD NUMBER   423 REPLACES RECORD NUMBER   121  ********
     *
     * EFFACY,  KI Ingestion
 424  EZEFFACY001      0.7
********  RECORD NUMBER   424 REPLACES RECORD NUMBER   259  ********
     *
     * POPFRAC, KI Ingestion
 425  EZPOPFRC001      1.
********  RECORD NUMBER   425 REPLACES RECORD NUMBER   260  ********

******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE   2 USER INPUT ********

USER INPUT PROCESSING SUMMARY - CHANGE CASE   2
NUMBER OF RECORDS CHANGED          =   89
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  2  1  4  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

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  1  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  4  1  2  1  2  2  1  4  4  2
 13    1  1  1  1  1  2  1  2  2  1  1  2  1  4  2  2
 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  1  4  4  4  2  2  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

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  2  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    2  1  1  4  4  2  1  1  1  1  4  1  1  1  1  4
 13    1  4  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  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

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  2  2  1  4  4  4  4  4  4  4  1  1  1  1  1
  8    1  4  2  1  4  4  4  2  2  1  1  1  1  1  2  2
  9    4  2  2  1  4  2  1  4  1  4  1  1  1  2  2  2
 10    4  2  2  1  1  1  1  1  4  4  1  1  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  1  1
 17    1  1  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
 426 SECSFACT001      1.
********  RECORD NUMBER   426 REPLACES RECORD NUMBER    25  ********
 427 SECSFACT002      0.6
********  RECORD NUMBER   427 REPLACES RECORD NUMBER    26  ********
 428 SECSFACT003      0.5
********  RECORD NUMBER   428 REPLACES RECORD NUMBER    27  ********
     *
     * PROTIN - Inhalation protection factor
 429 SEPROTIN001      0.98
********  RECORD NUMBER   429 REPLACES RECORD NUMBER    28  ********
 430 SEPROTIN002      0.46
********  RECORD NUMBER   430 REPLACES RECORD NUMBER    29  ********
 431 SEPROTIN003      0.33
********  RECORD NUMBER   431 REPLACES RECORD NUMBER    30  ********
     *
     * BRRATE - Breathing rates
 432 SEBRRATE001      2.66E-04
********  RECORD NUMBER   432 REPLACES RECORD NUMBER    31  ********
 433 SEBRRATE002      2.66E-04
********  RECORD NUMBER   433 REPLACES RECORD NUMBER    32  ********
 434 SEBRRATE003      2.66E-04
********  RECORD NUMBER   434 REPLACES RECORD NUMBER    33  ********
     *
     * SKPFAC - skin protection factors
 435 SESKPFAC001      0.98
********  RECORD NUMBER   435 REPLACES RECORD NUMBER    34  ********
 436 SESKPFAC002      0.46
********  RECORD NUMBER   436 REPLACES RECORD NUMBER    35  ********
 437 SESKPFAC003  0.33
********  RECORD NUMBER   437 REPLACES RECORD NUMBER    36  ********
     *
     * GSHFAC - groundshine shielding factors
 438 SEGSHFAC001      0.5
********  RECORD NUMBER   438 REPLACES RECORD NUMBER    37  ********
 439 SEGSHFAC002      0.18
********  RECORD NUMBER   439 REPLACES RECORD NUMBER    38  ********
 440 SEGSHFAC003      0.1
********  RECORD NUMBER   440 REPLACES RECORD NUMBER    39  ********
     *
     * Form 'Basic Parameters' Comment:
     * Tail (0-10)
     *
     * EANAM2 - Name of emergency response cohort
 441 EZEANAM2001      'Group 4'
********  RECORD NUMBER   441 REPLACES RECORD NUMBER    42  ********
     *
     * WTFRAC - weighting fraction applied to results of emergency response cohort
 442 EZWTFRAC001      0.1
********  RECORD NUMBER   442 REPLACES RECORD NUMBER    44  ********
     *
     * TRAVELPOINT - determines whether boundary or centerpoint of destination is evacuee objective.
 443 TRAVELPOINT      CENTERPOINT
********  RECORD NUMBER   443 REPLACES RECORD NUMBER    46  ********
     *
     * ESPEED - evacuee travel speed during the three phases of evacuation
 444 EZESPEED001      0.8941
********  RECORD NUMBER   444 REPLACES RECORD NUMBER    47  ********
 445 EZESPEED002      6.706
********  RECORD NUMBER   445 REPLACES RECORD NUMBER    48  ********
 446 EZESPEED003      8.941
********  RECORD NUMBER   446 REPLACES RECORD NUMBER    49  ********
     *
     * ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
 447 EZESPMUL001      0.7
********  RECORD NUMBER   447 REPLACES RECORD NUMBER    50  ********
 448 EZESPMUL002      0.7
********  RECORD NUMBER   448 REPLACES RECORD NUMBER    51  ********
 449 EZESPMUL003      0.7
********  RECORD NUMBER   449 REPLACES RECORD NUMBER    52  ********
     *
     * REFPNT - Defines reference time point for actions in evacuation ans sheltering zone.
 450 EZREFPNT001      ALARM
********  RECORD NUMBER   450 REPLACES RECORD NUMBER    53  ********
     *
     * DURBEG - duration of initial phase (beginning) of evacuation, in seconds.
 451 EZDURBEG001      1800.
********  RECORD NUMBER   451 REPLACES RECORD NUMBER    54  ********
     *
     * DURMID - duration of middle phase of evacuation, in seconds.
 452 EZDURMID001      1800.
********  RECORD NUMBER   452 REPLACES RECORD NUMBER    55  ********
     *
     * NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
 453 EZNUMEVA001      12
********  RECORD NUMBER   453 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.
 454 EZDLTSHL001      7200.
********  RECORD NUMBER   454 REPLACES RECORD NUMBER    57  ********
 455 EZDLTSHL002      7200.
********  RECORD NUMBER   455 REPLACES RECORD NUMBER    58  ********
 456 EZDLTSHL003      7200.
********  RECORD NUMBER   456 REPLACES RECORD NUMBER    59  ********
 457 EZDLTSHL004      7200.
********  RECORD NUMBER   457 REPLACES RECORD NUMBER    60  ********
 458 EZDLTSHL005      7200.
********  RECORD NUMBER   458 REPLACES RECORD NUMBER    61  ********
 459 EZDLTSHL006      7200.
********  RECORD NUMBER   459 REPLACES RECORD NUMBER    62  ********
 460 EZDLTSHL007      7200.
********  RECORD NUMBER   460 REPLACES RECORD NUMBER    63  ********
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 461  EZDLTSHL008      7200.
********  RECORD NUMBER   461 REPLACES RECORD NUMBER    64   ********
 462  EZDLTSHL009      7200.
********  RECORD NUMBER   462 REPLACES RECORD NUMBER    65   ********
 463  EZDLTSHL010      7200.
********  RECORD NUMBER   463 REPLACES RECORD NUMBER    66   ********
 464  EZDLTSHL011      7200.
********  RECORD NUMBER   464 REPLACES RECORD NUMBER    67   ********
 465  EZDLTSHL012      7200.
********  RECORD NUMBER   465 REPLACES RECORD NUMBER    68   ********
      *
      * DLTEVA -Delay time to begin evacuation
 466  EZDLTEVA001      10800.
********  RECORD NUMBER   466 REPLACES RECORD NUMBER    72   ********
 467  EZDLTEVA002      10800.
********  RECORD NUMBER   467 REPLACES RECORD NUMBER    73   ********
 468  EZDLTEVA003      10800.
********  RECORD NUMBER   468 REPLACES RECORD NUMBER    74   ********
 469  EZDLTEVA004      10800.
********  RECORD NUMBER   469 REPLACES RECORD NUMBER    75   ********
 470  EZDLTEVA005      10800.
********  RECORD NUMBER   470 REPLACES RECORD NUMBER    76   ********
 471  EZDLTEVA006      10800.
********  RECORD NUMBER   471 REPLACES RECORD NUMBER    77   ********
 472  EZDLTEVA007      10800.
********  RECORD NUMBER   472 REPLACES RECORD NUMBER    78   ********
 473  EZDLTEVA008      10800.
********  RECORD NUMBER   473 REPLACES RECORD NUMBER    79   ********
 474  EZDLTEVA009      10800.
********  RECORD NUMBER   474 REPLACES RECORD NUMBER    80   ********
 475  EZDLTEVA010      10800.
********  RECORD NUMBER   475 REPLACES RECORD NUMBER    81   ********
 476  EZDLTEVA011      10800.
********  RECORD NUMBER   476 REPLACES RECORD NUMBER    82   ********
 477  EZDLTEVA012      10800.
********  RECORD NUMBER   477 REPLACES RECORD NUMBER    83   ********
      *
      * ESPGRD_NET - Evacuation speed multiplier for network evacuation
 478  EZESPGRD001    .75   .75   1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.   1.   1.   1.   1.   .75   .75   .75
********  RECORD NUMBER   478 REPLACES RECORD NUMBER    87   ********
 479  EZESPGRD002    .75   .75   1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.   1.   1.   1.   1.   .75   .75   .75
********  RECORD NUMBER   479 REPLACES RECORD NUMBER    88   ********
 480  EZESPGRD003    .75   .75   1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.   1.   1.   1.   1.   .75   .75   .75
********  RECORD NUMBER   480 REPLACES RECORD NUMBER    89   ********
 481  EZESPGRD004    .75   .75   1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.   1.   1.   1.   1.   .75   .75   .75
********  RECORD NUMBER   481 REPLACES RECORD NUMBER    90   ********
 482  EZESPGRD005    .75   .75   1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.   1.   1.   1.   1.   .75   .75   .75
********  RECORD NUMBER   482 REPLACES RECORD NUMBER    91   ********
 483  EZESPGRD006    .75   .75   1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.   1.   1.   1.   1.   .75   .75   .75
********  RECORD NUMBER   483 REPLACES RECORD NUMBER    92   ********
 484  EZESPGRD007    .75   .75   1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.   1.   1.   1.   1.   .75   .75   .75
********  RECORD NUMBER   484 REPLACES RECORD NUMBER    93   ********
 485  EZESPGRD008    .75   .75   1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.   1.   1.   1.   1.   .75   .75   .75
********  RECORD NUMBER   485 REPLACES RECORD NUMBER    94   ********
 486  EZESPGRD009    .75   .75   1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.   1.   1.   1.   1.   .75   .75   .75
********  RECORD NUMBER   486 REPLACES RECORD NUMBER    95   ********
 487  EZESPGRD010    .75   .75   1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.   1.   1.   1.   1.   .75   .75   .75
********  RECORD NUMBER   487 REPLACES RECORD NUMBER    96   ********
 488  EZESPGRD011    .75   .75   1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.   1.   1.   1.   1.   .75   .75   .75
********  RECORD NUMBER   488 REPLACES RECORD NUMBER    97   ********
 489  EZESPGRD012    .75   .75   1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.   1.   1.   1.   1.   .75   .75   .75
********  RECORD NUMBER   489 REPLACES RECORD NUMBER    98   ********
 490  EZESPGRD013    .75   .75   1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.   .75   1.
1.   1.   1.   1.   1.   .75   .75   .75
********  RECORD NUMBER   490 REPLACES RECORD NUMBER    99   ********
 491  EZESPGRD014    .75   .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.   .75
1.   1.   1.   1.   1.   1.   .75   .75   .75
********  RECORD NUMBER   491 REPLACES RECORD NUMBER   100   ********
 492  EZESPGRD015    .75   .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.   .75
1.   1.   1.   1.   1.   1.   .75   .75   .75
********  RECORD NUMBER   492 REPLACES RECORD NUMBER   101   ********
 493  EZESPGRD016    .75   .75   1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.   1.   1.   1.   1.   .75   .75   .75
********  RECORD NUMBER   493 REPLACES RECORD NUMBER   102   ********
 494  EZESPGRD017    .75   .75   1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.   1.   1.   1.   1.   .75   .75   .75
********  RECORD NUMBER   494 REPLACES RECORD NUMBER   103   ********
      *
      * IDIREC - destination direction of every spatial element in the evacuation and sheltering region
 495  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   495 REPLACES RECORD NUMBER   104   ********
 496  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   496 REPLACES RECORD NUMBER   105   ********
 497  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   497 REPLACES RECORD NUMBER   106   ********
 498  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   498 REPLACES RECORD NUMBER   107   ********
 499  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   499 REPLACES RECORD NUMBER   108   ********
 500  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   500 REPLACES RECORD NUMBER   109   ********
```

```
  501 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    2    2    1    4    4    4    4
4    4    1    1    1    1    1    1    1
******** RECORD NUMBER  501 REPLACES RECORD NUMBER  110 ********
  502 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    2    1    4    4    4    2
2    1    1    1    1    1    1    2    2
******** RECORD NUMBER  502 REPLACES RECORD NUMBER  111 ********
  503 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    2    2    1    4    2    1    4
1    4    1    1    1    1    2    2    2
******** RECORD NUMBER  503 REPLACES RECORD NUMBER  112 ********
  504 EZIDIREC010    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    4    4    4    2    2    2    2    1    2    1    4    2    1    1    1    4    2    1    4    4    2    2    1    1    1    1    1
4    4    1    1    1    1    1    1    1
******** RECORD NUMBER  504 REPLACES RECORD NUMBER  113 ********
  505 EZIDIREC011    1    1    4    2    1    4    2    1    4    4    2    1    4    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  505 REPLACES RECORD NUMBER  114 ********
  506 EZIDIREC012    2    1    1    4    1    1    4    1    4    4    2    1    4    2    1    1    4    4    2    2    2    1    4    1    2    1    2    2    1    4    4    2    2    1    1    4    4    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  506 REPLACES RECORD NUMBER  115 ********
  507 EZIDIREC013    1    1    4    1    4    2    1    1    2    1    4    4    2    2    1    1    1    1    1    1    1    2    1    2    2    1    1    2    1    4    2    2    1    4    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  507 REPLACES RECORD NUMBER  116 ********
  508 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    1
******** RECORD NUMBER  508 REPLACES RECORD NUMBER  117 ********
  509 EZIDIREC015    1    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  509 REPLACES RECORD NUMBER  118 ********
  510 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  510 REPLACES RECORD NUMBER  119 ********
  511 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  511 REPLACES RECORD NUMBER  120 ********
     *
     * LASMOV - The outermost spatial interval of the evacuation movement zone.
  512 EZLASMOV001      17
******** RECORD NUMBER  512 REPLACES RECORD NUMBER  121 ********
     *
     * EFFACY,  KI Ingestion
  513 EZEFFACY001      0.7
******** RECORD NUMBER  513 REPLACES RECORD NUMBER  259 ********
     *
     * POPFRAC, KI Ingestion
  514 EZPOPFRC001      0.
******** RECORD NUMBER  514 REPLACES RECORD NUMBER  260 ********
     .

******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE   3 USER INPUT ********

USER INPUT PROCESSING SUMMARY - CHANGE CASE   3
NUMBER OF RECORDS CHANGED          =   89
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  2  1  4  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

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  4  1  2  1  2  2  1  4  4  2
 13    1  1  1  1  1  2  1  2  2  1  1  2  1  4  2  2
 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  1  4  4  4  2  2  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

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  2  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    2  1  1  4  4  2  1  1  1  1  4  1  1  1  1  4
  13    1  4  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  1
  16    1  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  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  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  4  1  1  1  1  1
   7    4  2  2  1  4  4  4  4  4  4  4  1  1  1  1  1  1
   8    1  4  2  1  4  4  4  2  2  1  1  1  1  1  2  2
   9    4  2  2  1  4  2  1  4  1  4  1  1  1  2  2  2
  10    4  2  2  1  1  1  1  1  4  4  1  1  1  1  1  1
  11    4  4  4  2  2  2  1  4  4  2  2  1  4  2  2
  12    4  4  2  2  2  2  2  1  4  2  1  1  2  2  1  4  2
  13    4  4  2  2  2  2  1  1  4  2  1  4  2  1  4  1  1
  14    1  4  4  2  2  1  1  4  1  4  1  1  1  1  1  1
  15    1  4  2  1  2  1  1  2  1  1  2  2  2  1  2  1
  16    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  17    1  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 ********
     *
     * Form 'Basic Parameters' Comment:
     * Schools (0-10)
     *
     * EANAM2 - Name of emergency response cohort
  515 EZEANAM2001     'Group 5'
********  RECORD NUMBER   515 REPLACES RECORD NUMBER    42  ********
     *
     * WTFRAC - weighting fraction applied to results of emergency response cohort
  516 EZWTFRAC001     0.172
********  RECORD NUMBER   516 REPLACES RECORD NUMBER    44  ********
     *
     * TRAVELPOINT - determines whether boundary or centerpoint of destination is evacuee objective.
  517 TRAVELPOINT     CENTERPOINT
********  RECORD NUMBER   517 REPLACES RECORD NUMBER    46  ********
     *
     * ESPEED - evacuee travel speed during the three phases of evacuation
  518 EZESPEED001     8.941
********  RECORD NUMBER   518 REPLACES RECORD NUMBER    47  ********
  519 EZESPEED002     6.706
********  RECORD NUMBER   519 REPLACES RECORD NUMBER    48  ********
  520 EZESPEED003     8.941
********  RECORD NUMBER   520 REPLACES RECORD NUMBER    49  ********
     *
     * ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
  521 EZESPMUL001     0.7
********  RECORD NUMBER   521 REPLACES RECORD NUMBER    50  ********
  522 EZESPMUL002     0.7
********  RECORD NUMBER   522 REPLACES RECORD NUMBER    51  ********
  523 EZESPMUL003     0.7
********  RECORD NUMBER   523 REPLACES RECORD NUMBER    52  ********
     *
     * REFPNT - Defines reference time point for actions in evacuation ans sheltering zone.
  524 EZREFPNT001     ALARM
********  RECORD NUMBER   524 REPLACES RECORD NUMBER    53  ********
     *
     * DURBEG - duration of initial phase (beginning) of evacuation, in seconds.
  525 EZDURBEG001     3600.
********  RECORD NUMBER   525 REPLACES RECORD NUMBER    54  ********
     *
     * DURMID - duration of middle phase of evacuation, in seconds.
  526 EZDURMID001     1800.
********  RECORD NUMBER   526 REPLACES RECORD NUMBER    55  ********
     *
     * NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
  527 EZNUMEVA001     12
********  RECORD NUMBER   527 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.
  528 EZDLTSHL001     0.
********  RECORD NUMBER   528 REPLACES RECORD NUMBER    57  ********
  529 EZDLTSHL002     0.
********  RECORD NUMBER   529 REPLACES RECORD NUMBER    58  ********
  530 EZDLTSHL003     0.
********  RECORD NUMBER   530 REPLACES RECORD NUMBER    59  ********
  531 EZDLTSHL004     0.
********  RECORD NUMBER   531 REPLACES RECORD NUMBER    60  ********
  532 EZDLTSHL005     0.
********  RECORD NUMBER   532 REPLACES RECORD NUMBER    61  ********
  533 EZDLTSHL006     0.
********  RECORD NUMBER   533 REPLACES RECORD NUMBER    62  ********
  534 EZDLTSHL007     0.
********  RECORD NUMBER   534 REPLACES RECORD NUMBER    63  ********
  535 EZDLTSHL008     0.
********  RECORD NUMBER   535 REPLACES RECORD NUMBER    64  ********
  536 EZDLTSHL009     0.
********  RECORD NUMBER   536 REPLACES RECORD NUMBER    65  ********
  537 EZDLTSHL010     0.
********  RECORD NUMBER   537 REPLACES RECORD NUMBER    66  ********
  538 EZDLTSHL011     0.
********  RECORD NUMBER   538 REPLACES RECORD NUMBER    67  ********
  539 EZDLTSHL012     0.
********  RECORD NUMBER   539 REPLACES RECORD NUMBER    68  ********
     *
     * DLTEVA -Delay time to begin evacuation
  540 EZDLTEVA001     1800.
********  RECORD NUMBER   540 REPLACES RECORD NUMBER    72  ********
  541 EZDLTEVA002     1800.
********  RECORD NUMBER   541 REPLACES RECORD NUMBER    73  ********
```

542 EZDLTEVA003 1800.
******** RECORD NUMBER 542 REPLACES RECORD NUMBER 74 ********
543 EZDLTEVA004 1800.
******** RECORD NUMBER 543 REPLACES RECORD NUMBER 75 ********
544 EZDLTEVA005 1800.
******** RECORD NUMBER 544 REPLACES RECORD NUMBER 76 ********
545 EZDLTEVA006 1800.
******** RECORD NUMBER 545 REPLACES RECORD NUMBER 77 ********
546 EZDLTEVA007 1800.
******** RECORD NUMBER 546 REPLACES RECORD NUMBER 78 ********
547 EZDLTEVA008 1800.
******** RECORD NUMBER 547 REPLACES RECORD NUMBER 79 ********
548 EZDLTEVA009 1800.
******** RECORD NUMBER 548 REPLACES RECORD NUMBER 80 ********
549 EZDLTEVA010 1800.
******** RECORD NUMBER 549 REPLACES RECORD NUMBER 81 ********
550 EZDLTEVA011 1800.
******** RECORD NUMBER 550 REPLACES RECORD NUMBER 82 ********
551 EZDLTEVA012 1800.
******** RECORD NUMBER 551 REPLACES RECORD NUMBER 83 ********
*
* ESPGRD_NET - Evacuation speed multiplier for network evacuation
552 EZESPGRD001 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 552 REPLACES RECORD NUMBER 87 ********
553 EZESPGRD002 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 553 REPLACES RECORD NUMBER 88 ********
554 EZESPGRD003 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 554 REPLACES RECORD NUMBER 89 ********
555 EZESPGRD004 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 555 REPLACES RECORD NUMBER 90 ********
556 EZESPGRD005 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 556 REPLACES RECORD NUMBER 91 ********
557 EZESPGRD006 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 557 REPLACES RECORD NUMBER 92 ********
558 EZESPGRD007 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 558 REPLACES RECORD NUMBER 93 ********
559 EZESPGRD008 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 559 REPLACES RECORD NUMBER 94 ********
560 EZESPGRD009 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 560 REPLACES RECORD NUMBER 95 ********
561 EZESPGRD010 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 561 REPLACES RECORD NUMBER 96 ********
562 EZESPGRD011 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 562 REPLACES RECORD NUMBER 97 ********
563 EZESPGRD012 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 563 REPLACES RECORD NUMBER 98 ********
564 EZESPGRD013 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. .75 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 564 REPLACES RECORD NUMBER 99 ********
565 EZESPGRD014 .75 .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. .75
1. 1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 565 REPLACES RECORD NUMBER 100 ********
566 EZESPGRD015 .75 .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. .75
1. 1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 566 REPLACES RECORD NUMBER 101 ********
567 EZESPGRD016 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 567 REPLACES RECORD NUMBER 102 ********
568 EZESPGRD017 .75 .75 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1. 1. 1. 1. 1. .75 .75 .75
******** RECORD NUMBER 568 REPLACES RECORD NUMBER 103 ********
*
* IDIREC - destination direction of every spatial element in the evacuation and sheltering region
569 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 569 REPLACES RECORD NUMBER 104 ********
570 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 570 REPLACES RECORD NUMBER 105 ********
571 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 571 REPLACES RECORD NUMBER 106 ********
572 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 572 REPLACES RECORD NUMBER 107 ********
573 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 573 REPLACES RECORD NUMBER 108 ********
574 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 574 REPLACES RECORD NUMBER 109 ********
575 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 2 2 1 4 4 4 4
4 4 1 1 1 1 1 1
******** RECORD NUMBER 575 REPLACES RECORD NUMBER 110 ********
576 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 2 1 4 4 4 2
2 1 1 1 1 1 2 2
******** RECORD NUMBER 576 REPLACES RECORD NUMBER 111 ********
577 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 2 2 1 4 2 1 4
1 4 1 1 1 2 2 2
******** RECORD NUMBER 577 REPLACES RECORD NUMBER 112 ********
578 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 2 1 1 1 4 2 1 4 4 2 2 1 1 1 1 1
4 4 1 1 1 1 1 1
******** RECORD NUMBER 578 REPLACES RECORD NUMBER 113 ********
579 EZIDIREC011 1 1 4 2 1 4 2 1 4 4 2 1 4 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 579 REPLACES RECORD NUMBER 114 ********
580 EZIDIREC012 2 1 1 4 1 1 4 1 4 4 2 1 4 2 1 1 4 4 2 2 2 1 4 1 2 1 2 2 1 4 4 2 2 1 1 4 4 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   580 REPLACES RECORD NUMBER   115  ********
  581  EZIDIREC013     1     1     4     1     4     2     1     1     2     1     4     4     2     2     1     1     1     1     1     1     1     2     1     2     2     1     1     2     1     4     2     2     1     4     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   581 REPLACES RECORD NUMBER   116  ********
  582  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     1
********  RECORD NUMBER   582 REPLACES RECORD NUMBER   117  ********
  583  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     1     4     1     2     1     1     1     4     2     1     2     1     1     2
1     1     2     2     2     1     2     1
********  RECORD NUMBER   583 REPLACES RECORD NUMBER   118  ********
  584  EZIDIREC016     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
********  RECORD NUMBER   584 REPLACES RECORD NUMBER   119  ********
  585  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   585 REPLACES RECORD NUMBER   120  ********
     *
     * LASMOV - The outermost spatial interval of the evacuation movement zone.
  586  EZLASMOV001      17
********  RECORD NUMBER   586 REPLACES RECORD NUMBER   121  ********
     *
     * EFFACY,  KI Ingestion
  587  EZEFFACY001      0.7
********  RECORD NUMBER   587 REPLACES RECORD NUMBER   259  ********
     *
     * POPFRAC, KI Ingestion
  588  EZPOPFRC001      0.
********  RECORD NUMBER   588 REPLACES RECORD NUMBER   260  ********

******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE   4 USER INPUT ********

USER INPUT PROCESSING SUMMARY - CHANGE CASE   4
NUMBER OF RECORDS CHANGED          =   74
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  2  1  4  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

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  1  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  4  1  2  1  2  2  1  4  4  2
 13     1  1  1  1  1  2  1  2  2  1  1  2  1  4  2  2
 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

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  2  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     2  1  1  4  4  2  1  1  1  1  4  1  1  1  1  4
 13     1  4  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  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

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  2  2  1  4  4  4  4  4  4  4  1  1  1  1  1
```

```
  8    1  4  2  1  4  4  4  2  2  1  1  1  1  1  2  2
  9    4  2  2  1  4  2  1  4  1  4  1  1  1  2  2  2
 10    4  2  2  1  1  1  1  1  4  4  1  1  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
THE KI MODEL IS IN EFFECT


******** BEGINNING OF CHANGE CASE   5 USER INPUT ********
     *
     * Form 'Basic Parameters' Comment:
     * Non-evacuation (0-10)
     *
     * EANAM2 - Name of emergency response cohort
  589  EZEANAM2001      'Group 6'
********   RECORD NUMBER   589 REPLACES RECORD NUMBER    42   ********
     *
     * WTFRAC - weighting fraction applied to results of emergency response cohort
  590  EZWTFRAC001      0.005
********   RECORD NUMBER   590 REPLACES RECORD NUMBER    44   ********
     *
     * LASMOV2  (used for no evacuation), always 0
  591  EZLASMOV001      0
********   RECORD NUMBER   591 REPLACES RECORD NUMBER   121   ********
     *
     * EFFACY,  KI Ingestion
  592  EZEFFACY001      0.7
********   RECORD NUMBER   592 REPLACES RECORD NUMBER   259   ********
     *
     * POPFRAC, KI Ingestion
  593  EZPOPFRC001      0.
********   RECORD NUMBER   593 REPLACES RECORD NUMBER   260   ********

******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE   5 USER INPUT ********

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


NO EVACUATION REQUESTED
THE KI MODEL IS IN EFFECT



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

     LCDTHNUM001      1
     LCDTHANN001      1.E-04
     LCDTHLIF001      10000.
     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 4:58:24 PM
     *
     * CHNAME - description
   1  CHCHNAME001      'OCP3 low density 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
 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)\10-mile evac\3.4 LowDensity\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)\10-mile evac\3.4 LowDensity\Data\samp_a_FGR13GyEquivDCF.bin
COMIDA2 binary file header =
COMIDA2 20120302 19:05:30 Version 1.13.0.1, 06/20/07

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

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

COMIDA2 LASTSTOR = 9

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

8 CANCER EFFECTS ARE DEFINED IN THE MODEL.

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

TIME OF HOTSPOT RELOCATION IS 1.4400E+04.
TIME OF NORMAL RETURN IS 2.880E+04 AND THE EMERGENCY PHASE ENDS AT 6.048E+05.

GROUNDSHINE SHIELDING FACTOR = 0.180

RESUSPENSION PROTECTION FACTOR = 0.460

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

DISPERSION MODEL FLAG IS 3

WINDROSE PROBABILITIES BY WIND DIRECTION AND MET BIN NUMBER

BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	0.0169	0.0099	0.0042	0.0113	0.0042	0.0000	0.0028	0.0085	0.0042	0.0099	0.0099	0.0071	0.0042	0.0071	0.0113	0.0155
2	0.0167	0.0143	0.0119	0.0167	0.0048	0.0072	0.0143	0.0167	0.0095	0.0119	0.0048	0.0167	0.0095	0.0143	0.0263	0.0286
3	0.0000	0.0000	0.0000	0.0000	0.0000	0.0111	0.0111	0.0111	0.0000	0.0222	0.0111	0.0222	0.0222	0.0000	0.0000	0.0333
4	0.0172	0.0210	0.0134	0.0095	0.0115	0.0095	0.0095	0.0076	0.0057	0.0076	0.0076	0.0115	0.0115	0.0210	0.0191	0.0134
5	0.0124	0.0212	0.0106	0.0124	0.0106	0.0071	0.0088	0.0053	0.0106	0.0053	0.0088	0.0053	0.0124	0.0071	0.0124	0.0265
6	0.0040	0.0054	0.0027	0.0040	0.0081	0.0027	0.0027	0.0054	0.0108	0.0040	0.0081	0.0108	0.0135	0.0108	0.0135	0.0148
7	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0048	0.0000	0.0096	0.0048	0.0385	0.0721
8	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
9	0.0226	0.0288	0.0309	0.0041	0.0082	0.0370	0.0123	0.0062	0.0165	0.0103	0.0185	0.0144	0.0041	0.0082	0.0103	0.0103
10	0.0282	0.0301	0.0214	0.0107	0.0136	0.0107	0.0117	0.0136	0.0097	0.0136	0.0175	0.0253	0.0224	0.0146	0.0224	0.0301
11	0.0103	0.0129	0.0078	0.0091	0.0052	0.0039	0.0039	0.0052	0.0091	0.0220	0.0272	0.0298	0.0310	0.0233	0.0336	0.0401
12	0.0085	0.0113	0.0028	0.0056	0.0056	0.0000	0.0085	0.0056	0.0113	0.0085	0.0113	0.0085	0.0282	0.0169	0.0339	0.0565
13	0.0176	0.0118	0.0412	0.0216	0.0137	0.0235	0.0314	0.0098	0.0275	0.0314	0.0255	0.0235	0.0196	0.0216	0.0275	0.0255
14	0.0053	0.0040	0.0160	0.0053	0.0093	0.0187	0.0120	0.0267	0.0293	0.0573	0.0600	0.0773	0.0960	0.0547	0.0667	0.0560
15	0.0000	0.0073	0.0000	0.0000	0.0073	0.0000	0.0073	0.0000	0.0219	0.0584	0.0803	0.0657	0.1168	0.1387	0.0949	0.1022
16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2500	0.2500	0.0000	0.2500	0.0000	0.2500
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	0.0000	0.4688	0.3750	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	0.0000	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
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
29	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
30	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
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: Peach Bottom Census: C:\Prog
Lat: 39d45'32" Long: 76d16' 9" Population multiplier: 1.1051 Economic multip

THIS PROGRAM CURRENTLY ALLOWS THE GENERATION OF UP TO 3394 RESULTS

YOU HAVE REQUESTED 108 RESULTS FROM "EARLY" COMPOSED OF:

38 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	3	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.

For Julian Day 152, selecting COMIDA2 results # 4 of 9
2 152 10 1 1.14E-03
For Julian Day 152, selecting COMIDA2 results # 4 of 9
3 152 15 36 1.43E-04
For Julian Day 152, selecting COMIDA2 results # 4 of 9
4 152 16 35 1.14E-04
For Julian Day 152, selecting COMIDA2 results # 4 of 9
5 152 17 34 1.14E-04
For Julian Day 152, selecting COMIDA2 results # 4 of 9
6 152 18 32 3.23E-04
For Julian Day 152, selecting COMIDA2 results # 4 of 9
7 153 1 10 1.14E-03
For Julian Day 153, selecting COMIDA2 results # 4 of 9
8 153 6 36 1.43E-04
For Julian Day 153, selecting COMIDA2 results # 4 of 9
9 153 7 36 1.43E-04
For Julian Day 153, selecting COMIDA2 results # 4 of 9
10 153 9 36 1.43E-04
For Julian Day 153, selecting COMIDA2 results # 4 of 9
11 153 10 35 1.14E-04
For Julian Day 153, selecting COMIDA2 results # 4 of 9
12 153 11 35 1.14E-04
For Julian Day 153, selecting COMIDA2 results # 4 of 9
13 153 12 34 1.14E-04
For Julian Day 153, selecting COMIDA2 results # 4 of 9
14 153 13 34 1.14E-04
For Julian Day 153, selecting COMIDA2 results # 4 of 9
15 154 12 6 1.15E-03
For Julian Day 154, selecting COMIDA2 results # 4 of 9
16 154 23 10 1.14E-03
For Julian Day 154, selecting COMIDA2 results # 4 of 9
17 154 24 11 1.15E-03
For Julian Day 154, selecting COMIDA2 results # 4 of 9
18 155 10 4 1.15E-03
For Julian Day 155, selecting COMIDA2 results # 4 of 9
19 155 23 11 1.15E-03
For Julian Day 155, selecting COMIDA2 results # 4 of 9
20 156 7 5 1.13E-03
For Julian Day 156, selecting COMIDA2 results # 4 of 9
21 156 19 10 1.14E-03
For Julian Day 156, selecting COMIDA2 results # 4 of 9
22 156 24 9 1.13E-03
For Julian Day 156, selecting COMIDA2 results # 4 of 9
23 157 12 1 1.14E-03
For Julian Day 157, selecting COMIDA2 results # 4 of 9
24 157 18 3 8.56E-04
For Julian Day 157, selecting COMIDA2 results # 4 of 9
25 158 10 21 1.13E-03
For Julian Day 158, selecting COMIDA2 results # 4 of 9
26 158 14 25 1.52E-04
For Julian Day 158, selecting COMIDA2 results # 4 of 9
27 158 15 24 1.14E-04
For Julian Day 158, selecting COMIDA2 results # 4 of 9
28 158 19 12 1.15E-03
For Julian Day 158, selecting COMIDA2 results # 4 of 9
29 159 1 17 1.14E-03
For Julian Day 159, selecting COMIDA2 results # 4 of 9
30 159 4 14 1.14E-03
For Julian Day 159, selecting COMIDA2 results # 4 of 9
31 159 10 4 1.15E-03
For Julian Day 159, selecting COMIDA2 results # 4 of 9
32 159 17 26 2.38E-04
For Julian Day 159, selecting COMIDA2 results # 4 of 9
33 159 18 25 1.52E-04
For Julian Day 159, selecting COMIDA2 results # 4 of 9

34 159 19 24 1.14E-04
For Julian Day 159, selecting COMIDA2 results # 4 of 9
35 159 20 22 1.09E-03
For Julian Day 159, selecting COMIDA2 results # 4 of 9
36 159 24 18 5.99E-04
For Julian Day 159, selecting COMIDA2 results # 4 of 9
37 160 6 14 1.14E-03
For Julian Day 160, selecting COMIDA2 results # 4 of 9
38 160 10 5 1.13E-03
For Julian Day 160, selecting COMIDA2 results # 4 of 9
39 160 12 20 1.12E-03
For Julian Day 160, selecting COMIDA2 results # 4 of 9
40 160 13 19 1.11E-03
For Julian Day 160, selecting COMIDA2 results # 4 of 9
41 161 1 11 1.15E-03
For Julian Day 161, selecting COMIDA2 results # 4 of 9
42 161 12 2 1.14E-03
For Julian Day 161, selecting COMIDA2 results # 4 of 9
43 161 17 6 1.15E-03
For Julian Day 161, selecting COMIDA2 results # 4 of 9
44 161 20 11 1.15E-03
For Julian Day 161, selecting COMIDA2 results # 4 of 9
45 161 23 15 1.12E-03
For Julian Day 161, selecting COMIDA2 results # 4 of 9
46 163 7 10 1.14E-03
For Julian Day 163, selecting COMIDA2 results # 4 of 9
47 163 12 1 1.14E-03
For Julian Day 163, selecting COMIDA2 results # 4 of 9
48 164 3 14 1.14E-03
For Julian Day 164, selecting COMIDA2 results # 4 of 9
49 165 11 1 1.14E-03
For Julian Day 165, selecting COMIDA2 results # 4 of 9
50 165 12 1 1.14E-03
For Julian Day 165, selecting COMIDA2 results # 4 of 9

TRIAL DAY PERIOD BIN PRBMET
51 165 21 11 1.15E-03
For Julian Day 165, selecting COMIDA2 results # 4 of 9
52 166 3 11 1.15E-03
For Julian Day 166, selecting COMIDA2 results # 4 of 9
53 166 12 2 1.14E-03
For Julian Day 166, selecting COMIDA2 results # 4 of 9
54 167 16 4 1.15E-03
For Julian Day 167, selecting COMIDA2 results # 5 of 9
55 167 21 14 1.14E-03
For Julian Day 167, selecting COMIDA2 results # 5 of 9
56 167 24 13 1.14E-03
For Julian Day 167, selecting COMIDA2 results # 5 of 9
57 168 6 13 1.14E-03
For Julian Day 168, selecting COMIDA2 results # 5 of 9
58 169 9 4 1.15E-03
For Julian Day 169, selecting COMIDA2 results # 5 of 9
59 169 14 1 1.14E-03
For Julian Day 169, selecting COMIDA2 results # 5 of 9
60 169 18 6 1.15E-03
For Julian Day 169, selecting COMIDA2 results # 5 of 9
61 169 23 10 1.14E-03
For Julian Day 169, selecting COMIDA2 results # 5 of 9
62 170 13 26 2.38E-04
For Julian Day 170, selecting COMIDA2 results # 5 of 9
63 170 15 24 1.14E-04
For Julian Day 170, selecting COMIDA2 results # 5 of 9
64 170 19 10 1.14E-03
For Julian Day 170, selecting COMIDA2 results # 5 of 9
65 171 7 17 1.14E-03
For Julian Day 171, selecting COMIDA2 results # 5 of 9
66 171 13 5 1.13E-03
For Julian Day 171, selecting COMIDA2 results # 5 of 9
67 171 21 14 1.14E-03
For Julian Day 171, selecting COMIDA2 results # 5 of 9
68 172 7 9 1.13E-03
For Julian Day 172, selecting COMIDA2 results # 5 of 9
69 173 2 21 1.13E-03
For Julian Day 173, selecting COMIDA2 results # 5 of 9
70 173 9 10 1.14E-03
For Julian Day 173, selecting COMIDA2 results # 5 of 9
71 174 3 14 1.14E-03
For Julian Day 174, selecting COMIDA2 results # 5 of 9
72 174 8 4 1.15E-03
For Julian Day 174, selecting COMIDA2 results # 5 of 9
73 174 11 1 1.14E-03
For Julian Day 174, selecting COMIDA2 results # 5 of 9
74 174 12 5 1.13E-03
For Julian Day 174, selecting COMIDA2 results # 5 of 9
75 174 22 19 1.11E-03
For Julian Day 174, selecting COMIDA2 results # 5 of 9
76 175 9 36 1.43E-04
For Julian Day 175, selecting COMIDA2 results # 5 of 9
77 175 10 36 1.43E-04
For Julian Day 175, selecting COMIDA2 results # 5 of 9
78 175 11 35 1.14E-04
For Julian Day 175, selecting COMIDA2 results # 5 of 9
79 175 12 35 1.14E-04
For Julian Day 175, selecting COMIDA2 results # 5 of 9
80 175 13 34 1.14E-04
For Julian Day 175, selecting COMIDA2 results # 5 of 9
81 175 16 32 3.23E-04
For Julian Day 175, selecting COMIDA2 results # 5 of 9
82 175 17 27 3.71E-04
For Julian Day 175, selecting COMIDA2 results # 5 of 9
83 175 20 20 1.12E-03
For Julian Day 175, selecting COMIDA2 results # 5 of 9
84 175 24 17 1.14E-03
For Julian Day 175, selecting COMIDA2 results # 5 of 9
85 176 2 10 1.14E-03
For Julian Day 176, selecting COMIDA2 results # 5 of 9
86 176 4 26 2.38E-04
For Julian Day 176, selecting COMIDA2 results # 5 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
87	176	7	25	1.52E-04

For Julian Day 176, selecting COMIDA2 results # 5 of 9

88	176	9	24	1.14E-04

For Julian Day 176, selecting COMIDA2 results # 5 of 9

89	176	22	27	3.71E-04

For Julian Day 176, selecting COMIDA2 results # 5 of 9

90	177	2	32	3.23E-04

For Julian Day 177, selecting COMIDA2 results # 5 of 9

91	177	5	32	3.23E-04

For Julian Day 177, selecting COMIDA2 results # 5 of 9

92	177	8	17	1.14E-03

For Julian Day 177, selecting COMIDA2 results # 5 of 9

93	177	18	32	3.23E-04

For Julian Day 177, selecting COMIDA2 results # 5 of 9

94	177	21	25	1.52E-04

For Julian Day 177, selecting COMIDA2 results # 5 of 9

95	177	24	25	1.52E-04

For Julian Day 177, selecting COMIDA2 results # 5 of 9

96	178	3	32	3.23E-04

For Julian Day 178, selecting COMIDA2 results # 5 of 9

97	178	6	22	1.09E-03

For Julian Day 178, selecting COMIDA2 results # 5 of 9

98	178	7	17	1.14E-03

For Julian Day 178, selecting COMIDA2 results # 5 of 9

99	179	3	27	3.71E-04

For Julian Day 179, selecting COMIDA2 results # 5 of 9

100	179	16	1	1.14E-03

For Julian Day 179, selecting COMIDA2 results # 5 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
101	179	19	11	1.15E-03

For Julian Day 179, selecting COMIDA2 results # 5 of 9

102	179	22	20	1.12E-03

For Julian Day 179, selecting COMIDA2 results # 5 of 9

103	180	1	19	1.11E-03

For Julian Day 180, selecting COMIDA2 results # 5 of 9

104	180	13	4	1.15E-03

For Julian Day 180, selecting COMIDA2 results # 5 of 9

105	180	16	31	1.14E-04

For Julian Day 180, selecting COMIDA2 results # 5 of 9

106	180	17	30	1.14E-04

For Julian Day 180, selecting COMIDA2 results # 5 of 9

107	180	18	30	1.14E-04

For Julian Day 180, selecting COMIDA2 results # 5 of 9

108	180	19	29	1.14E-04

For Julian Day 180, selecting COMIDA2 results # 5 of 9

109	181	20	14	1.14E-03

For Julian Day 181, selecting COMIDA2 results # 5 of 9

110	182	3	13	1.14E-03

For Julian Day 182, selecting COMIDA2 results # 5 of 9

111	182	7	9	1.13E-03

For Julian Day 182, selecting COMIDA2 results # 5 of 9

112	182	17	5	1.13E-03

For Julian Day 182, selecting COMIDA2 results # 5 of 9

113	182	23	10	1.14E-03

For Julian Day 182, selecting COMIDA2 results # 5 of 9

114	183	3	10	1.14E-03

For Julian Day 183, selecting COMIDA2 results # 5 of 9

115	183	18	11	1.15E-03

For Julian Day 183, selecting COMIDA2 results # 5 of 9

116	185	18	9	1.13E-03

For Julian Day 185, selecting COMIDA2 results # 5 of 9

117	185	24	21	1.13E-03

For Julian Day 185, selecting COMIDA2 results # 5 of 9

118	186	4	17	1.14E-03

For Julian Day 186, selecting COMIDA2 results # 5 of 9

119	186	7	10	1.14E-03

For Julian Day 186, selecting COMIDA2 results # 5 of 9

120	186	11	5	1.13E-03

For Julian Day 186, selecting COMIDA2 results # 5 of 9

121	187	2	32	3.23E-04

For Julian Day 187, selecting COMIDA2 results # 5 of 9

122	187	4	17	1.14E-03

For Julian Day 187, selecting COMIDA2 results # 5 of 9

123	187	5	10	1.14E-03

For Julian Day 187, selecting COMIDA2 results # 5 of 9

124	188	17	4	1.15E-03

For Julian Day 188, selecting COMIDA2 results # 5 of 9

125	188	23	14	1.14E-03

For Julian Day 188, selecting COMIDA2 results # 5 of 9

126	189	14	4	1.15E-03

For Julian Day 189, selecting COMIDA2 results # 5 of 9

127	189	17	10	1.14E-03

For Julian Day 189, selecting COMIDA2 results # 5 of 9

128	189	21	14	1.14E-03

For Julian Day 189, selecting COMIDA2 results # 5 of 9

129	190	17	6	1.15E-03

For Julian Day 190, selecting COMIDA2 results # 5 of 9

130	191	2	9	1.13E-03

For Julian Day 191, selecting COMIDA2 results # 5 of 9

131	192	4	10	1.14E-03

For Julian Day 192, selecting COMIDA2 results # 6 of 9

132	192	6	9	1.13E-03

For Julian Day 192, selecting COMIDA2 results # 6 of 9

133	192	10	1	1.14E-03

For Julian Day 192, selecting COMIDA2 results # 6 of 9

134	192	15	5	1.13E-03

For Julian Day 192, selecting COMIDA2 results # 6 of 9

135	192	18	5	1.13E-03

For Julian Day 192, selecting COMIDA2 results # 6 of 9

136	193	18	26	2.38E-04

For Julian Day 193, selecting COMIDA2 results # 6 of 9

137	193	20	25	1.52E-04

For Julian Day 193, selecting COMIDA2 results # 6 of 9

138	193	21	24	1.14E-04

For Julian Day 193, selecting COMIDA2 results # 6 of 9

139	195	1	19	1.11E-03

For Julian Day 195, selecting COMIDA2 results # 6 of 9

140	195	6	13	1.14E-03

For Julian Day 195, selecting COMIDA2 results # 6 of 9

141	195	10	1	1.14E-03

For Julian Day 195, selecting COMIDA2 results # 6 of 9

142	196	1	10	1.14E-03

For Julian Day 196, selecting COMIDA2 results # 6 of 9

143	196	6	10	1.14E-03

For Julian Day 196, selecting COMIDA2 results # 6 of 9

144	196	7	36	1.43E-04

For Julian Day 196, selecting COMIDA2 results # 6 of 9

145	196	9	36	1.43E-04

For Julian Day 196, selecting COMIDA2 results # 6 of 9

146	196	10	35	1.14E-04

For Julian Day 196, selecting COMIDA2 results # 6 of 9

147	196	11	35	1.14E-04

For Julian Day 196, selecting COMIDA2 results # 6 of 9

148	196	12	34	1.14E-04

For Julian Day 196, selecting COMIDA2 results # 6 of 9

149	196	15	18	5.99E-04

For Julian Day 196, selecting COMIDA2 results # 6 of 9

150	196	18	3	8.56E-04

For Julian Day 196, selecting COMIDA2 results # 6 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
151	197	2	14	1.14E-03

For Julian Day 197, selecting COMIDA2 results # 6 of 9

152	197	7	11	1.15E-03

For Julian Day 197, selecting COMIDA2 results # 6 of 9

153	197	15	5	1.13E-03

For Julian Day 197, selecting COMIDA2 results # 6 of 9

154	197	17	11	1.15E-03

For Julian Day 197, selecting COMIDA2 results # 6 of 9

155	198	6	14	1.14E-03

For Julian Day 198, selecting COMIDA2 results # 6 of 9

156	198	13	14	1.14E-03

For Julian Day 198, selecting COMIDA2 results # 6 of 9

157	199	7	9	1.13E-03

For Julian Day 199, selecting COMIDA2 results # 6 of 9

158	199	14	36	1.43E-04

For Julian Day 199, selecting COMIDA2 results # 6 of 9

159	199	15	36	1.43E-04

For Julian Day 199, selecting COMIDA2 results # 6 of 9

160	199	16	36	1.43E-04

For Julian Day 199, selecting COMIDA2 results # 6 of 9

161	199	17	35	1.14E-04

For Julian Day 199, selecting COMIDA2 results # 6 of 9

162	199	18	34	1.14E-04

For Julian Day 199, selecting COMIDA2 results # 6 of 9

163	199	24	20	1.12E-03

For Julian Day 199, selecting COMIDA2 results # 6 of 9

164	200	15	4	1.15E-03

For Julian Day 200, selecting COMIDA2 results # 6 of 9

165	201	8	4	1.15E-03

For Julian Day 201, selecting COMIDA2 results # 6 of 9

166	201	24	10	1.14E-03

For Julian Day 201, selecting COMIDA2 results # 6 of 9

167	202	2	9	1.13E-03

For Julian Day 202, selecting COMIDA2 results # 6 of 9

168	202	8	3	8.56E-04

For Julian Day 202, selecting COMIDA2 results # 6 of 9

169	202	18	10	1.14E-03

For Julian Day 202, selecting COMIDA2 results # 6 of 9

170	202	21	14	1.14E-03

For Julian Day 202, selecting COMIDA2 results # 6 of 9

171	203	11	5	1.13E-03

For Julian Day 203, selecting COMIDA2 results # 6 of 9

172	203	17	26	2.38E-04

For Julian Day 203, selecting COMIDA2 results # 6 of 9

173	203	19	22	1.09E-03

For Julian Day 203, selecting COMIDA2 results # 6 of 9

174	203	20	18	5.99E-04

For Julian Day 203, selecting COMIDA2 results # 6 of 9

175	204	4	10	1.14E-03

For Julian Day 204, selecting COMIDA2 results # 6 of 9

176	204	14	1	1.14E-03

For Julian Day 204, selecting COMIDA2 results # 6 of 9

177	204	17	4	1.15E-03

For Julian Day 204, selecting COMIDA2 results # 6 of 9

178	205	15	4	1.15E-03

For Julian Day 205, selecting COMIDA2 results # 6 of 9

179	206	5	10	1.14E-03

For Julian Day 206, selecting COMIDA2 results # 6 of 9

180	206	15	2	1.14E-03

For Julian Day 206, selecting COMIDA2 results # 6 of 9

181	206	20	11	1.15E-03

For Julian Day 206, selecting COMIDA2 results # 6 of 9

182	207	6	9	1.13E-03

For Julian Day 207, selecting COMIDA2 results # 6 of 9

183	207	12	1	1.14E-03

For Julian Day 207, selecting COMIDA2 results # 6 of 9

184	207	17	5	1.13E-03

For Julian Day 207, selecting COMIDA2 results # 6 of 9

185	208	15	6	1.15E-03

For Julian Day 208, selecting COMIDA2 results # 6 of 9

186	209	2	9	1.13E-03

For Julian Day 209, selecting COMIDA2 results # 6 of 9

187	209	11	26	2.38E-04

For Julian Day 209, selecting COMIDA2 results # 6 of 9

188	209	12	25	1.52E-04

For Julian Day 209, selecting COMIDA2 results # 6 of 9

189	209	23	14	1.14E-03

For Julian Day 209, selecting COMIDA2 results # 6 of 9

190	209	24	15	1.12E-03

For Julian Day 209, selecting COMIDA2 results # 6 of 9

191	210	4	14	1.14E-03

For Julian Day 210, selecting COMIDA2 results # 6 of 9

192	210	16	4	1.15E-03

For Julian Day 210, selecting COMIDA2 results # 6 of 9

193 211 6 10 1.14E-03
For Julian Day 211, selecting COMIDA2 results # 6 of 9
194 211 21 13 1.14E-03
For Julian Day 211, selecting COMIDA2 results # 6 of 9
195 211 22 14 1.14E-03
For Julian Day 211, selecting COMIDA2 results # 6 of 9
196 212 11 26 2.38E-04
For Julian Day 212, selecting COMIDA2 results # 6 of 9
197 212 12 25 1.52E-04
For Julian Day 212, selecting COMIDA2 results # 6 of 9
198 212 13 24 1.14E-04
For Julian Day 212, selecting COMIDA2 results # 6 of 9
199 212 14 23 1.14E-04
For Julian Day 212, selecting COMIDA2 results # 6 of 9
200 212 19 10 1.14E-03
For Julian Day 212, selecting COMIDA2 results # 6 of 9

TRIAL DAY PERIOD BIN PRBMET
201 212 20 9 1.13E-03
For Julian Day 212, selecting COMIDA2 results # 6 of 9
202 213 9 3 8.56E-04
For Julian Day 213, selecting COMIDA2 results # 6 of 9
203 213 13 5 1.13E-03
For Julian Day 213, selecting COMIDA2 results # 6 of 9
204 214 2 14 1.14E-03
For Julian Day 214, selecting COMIDA2 results # 6 of 9
205 214 3 14 1.14E-03
For Julian Day 214, selecting COMIDA2 results # 6 of 9
206 214 14 5 1.13E-03
For Julian Day 214, selecting COMIDA2 results # 6 of 9
207 215 18 11 1.15E-03
For Julian Day 215, selecting COMIDA2 results # 6 of 9
208 215 20 14 1.14E-03
For Julian Day 215, selecting COMIDA2 results # 6 of 9
209 215 21 13 1.14E-03
For Julian Day 215, selecting COMIDA2 results # 6 of 9
210 216 12 6 1.15E-03
For Julian Day 216, selecting COMIDA2 results # 6 of 9
211 217 2 14 1.14E-03
For Julian Day 217, selecting COMIDA2 results # 6 of 9
212 217 8 4 1.15E-03
For Julian Day 217, selecting COMIDA2 results # 6 of 9
213 217 11 1 1.14E-03
For Julian Day 217, selecting COMIDA2 results # 6 of 9
214 218 2 14 1.14E-03
For Julian Day 218, selecting COMIDA2 results # 6 of 9
215 218 6 10 1.14E-03
For Julian Day 218, selecting COMIDA2 results # 6 of 9
216 218 10 1 1.14E-03
For Julian Day 218, selecting COMIDA2 results # 6 of 9
217 218 23 31 1.14E-04
For Julian Day 218, selecting COMIDA2 results # 6 of 9
218 218 24 30 1.14E-04
For Julian Day 218, selecting COMIDA2 results # 6 of 9
219 219 1 29 1.14E-04
For Julian Day 219, selecting COMIDA2 results # 6 of 9
220 219 2 28 1.14E-04
For Julian Day 219, selecting COMIDA2 results # 6 of 9
221 219 4 17 1.14E-03
For Julian Day 219, selecting COMIDA2 results # 6 of 9
222 219 14 1 1.14E-03
For Julian Day 219, selecting COMIDA2 results # 6 of 9
223 220 1 10 1.14E-03
For Julian Day 220, selecting COMIDA2 results # 6 of 9
224 220 5 12 1.15E-03
For Julian Day 220, selecting COMIDA2 results # 6 of 9
225 220 14 5 1.13E-03
For Julian Day 220, selecting COMIDA2 results # 6 of 9
226 220 22 11 1.15E-03
For Julian Day 220, selecting COMIDA2 results # 6 of 9
227 221 18 4 1.15E-03
For Julian Day 221, selecting COMIDA2 results # 6 of 9
228 221 21 14 1.14E-03
For Julian Day 221, selecting COMIDA2 results # 6 of 9
229 222 20 10 1.14E-03
For Julian Day 222, selecting COMIDA2 results # 7 of 9
230 222 23 9 1.13E-03
For Julian Day 222, selecting COMIDA2 results # 7 of 9
231 222 24 14 1.14E-03
For Julian Day 222, selecting COMIDA2 results # 7 of 9
232 223 5 12 1.15E-03
For Julian Day 223, selecting COMIDA2 results # 7 of 9
233 223 12 1 1.14E-03
For Julian Day 223, selecting COMIDA2 results # 7 of 9
234 224 24 14 1.14E-03
For Julian Day 224, selecting COMIDA2 results # 7 of 9
235 225 15 1 1.14E-03
For Julian Day 225, selecting COMIDA2 results # 7 of 9
236 225 19 10 1.14E-03
For Julian Day 225, selecting COMIDA2 results # 7 of 9
237 226 23 11 1.15E-03
For Julian Day 226, selecting COMIDA2 results # 7 of 9
238 227 8 10 1.14E-03
For Julian Day 227, selecting COMIDA2 results # 7 of 9
239 227 11 1 1.14E-03
For Julian Day 227, selecting COMIDA2 results # 7 of 9
240 228 1 14 1.14E-03
For Julian Day 228, selecting COMIDA2 results # 7 of 9
241 228 3 15 1.12E-03
For Julian Day 228, selecting COMIDA2 results # 7 of 9
242 228 9 4 1.15E-03
For Julian Day 228, selecting COMIDA2 results # 7 of 9
243 228 15 1 1.14E-03
For Julian Day 228, selecting COMIDA2 results # 7 of 9
244 229 6 10 1.14E-03
For Julian Day 229, selecting COMIDA2 results # 7 of 9
245 229 15 1 1.14E-03
For Julian Day 229, selecting COMIDA2 results # 7 of 9

246 229 20 14 1.14E-03
For Julian Day 229, selecting COMIDA2 results # 7 of 9
247 230 7 9 1.13E-03
For Julian Day 230, selecting COMIDA2 results # 7 of 9
248 230 17 4 1.15E-03
For Julian Day 230, selecting COMIDA2 results # 7 of 9
249 231 8 4 1.15E-03
For Julian Day 231, selecting COMIDA2 results # 7 of 9
250 231 10 1 1.14E-03
For Julian Day 231, selecting COMIDA2 results # 7 of 9

TRIAL DAY PERIOD BIN PRBMET
251 231 15 6 1.15E-03
For Julian Day 231, selecting COMIDA2 results # 7 of 9
252 231 18 5 1.13E-03
For Julian Day 231, selecting COMIDA2 results # 7 of 9
253 231 21 11 1.15E-03
For Julian Day 231, selecting COMIDA2 results # 7 of 9
254 233 4 11 1.15E-03
For Julian Day 233, selecting COMIDA2 results # 7 of 9
255 233 18 10 1.14E-03
For Julian Day 233, selecting COMIDA2 results # 7 of 9
256 233 24 14 1.14E-03
For Julian Day 233, selecting COMIDA2 results # 7 of 9
257 234 6 14 1.14E-03
For Julian Day 234, selecting COMIDA2 results # 7 of 9
258 234 11 1 1.14E-03
For Julian Day 234, selecting COMIDA2 results # 7 of 9
259 234 14 1 1.14E-03
For Julian Day 234, selecting COMIDA2 results # 7 of 9
260 235 16 5 1.13E-03
For Julian Day 235, selecting COMIDA2 results # 7 of 9
261 236 2 9 1.13E-03
For Julian Day 236, selecting COMIDA2 results # 7 of 9
262 236 3 13 1.14E-03
For Julian Day 236, selecting COMIDA2 results # 7 of 9
263 236 11 1 1.14E-03
For Julian Day 236, selecting COMIDA2 results # 7 of 9
264 236 17 10 1.14E-03
For Julian Day 236, selecting COMIDA2 results # 7 of 9
265 237 15 1 1.14E-03
For Julian Day 237, selecting COMIDA2 results # 7 of 9
266 238 8 4 1.15E-03
For Julian Day 238, selecting COMIDA2 results # 7 of 9
267 239 4 32 3.23E-04
For Julian Day 239, selecting COMIDA2 results # 7 of 9
268 239 7 21 1.13E-03
For Julian Day 239, selecting COMIDA2 results # 7 of 9
269 239 10 17 1.14E-03
For Julian Day 239, selecting COMIDA2 results # 7 of 9
270 239 18 11 1.15E-03
For Julian Day 239, selecting COMIDA2 results # 7 of 9
271 240 6 9 1.13E-03
For Julian Day 240, selecting COMIDA2 results # 7 of 9
272 240 9 4 1.15E-03
For Julian Day 240, selecting COMIDA2 results # 7 of 9
273 240 15 5 1.13E-03
For Julian Day 240, selecting COMIDA2 results # 7 of 9
274 240 18 10 1.14E-03
For Julian Day 240, selecting COMIDA2 results # 7 of 9
275 241 15 31 1.14E-04
For Julian Day 241, selecting COMIDA2 results # 7 of 9
276 241 16 31 1.14E-04
For Julian Day 241, selecting COMIDA2 results # 7 of 9
277 241 17 30 1.14E-04
For Julian Day 241, selecting COMIDA2 results # 7 of 9
278 241 18 29 1.14E-04
For Julian Day 241, selecting COMIDA2 results # 7 of 9
279 241 19 27 3.71E-04
For Julian Day 241, selecting COMIDA2 results # 7 of 9
280 241 20 27 3.71E-04
For Julian Day 241, selecting COMIDA2 results # 7 of 9
281 241 22 20 1.12E-03
For Julian Day 241, selecting COMIDA2 results # 7 of 9
282 242 16 10 1.14E-03
For Julian Day 242, selecting COMIDA2 results # 7 of 9
283 242 19 9 1.13E-03
For Julian Day 242, selecting COMIDA2 results # 7 of 9
284 243 5 10 1.14E-03
For Julian Day 243, selecting COMIDA2 results # 7 of 9
285 243 24 9 1.13E-03
For Julian Day 243, selecting COMIDA2 results # 7 of 9
286 244 4 21 1.13E-03
For Julian Day 244, selecting COMIDA2 results # 7 of 9
287 244 20 22 1.09E-03
For Julian Day 244, selecting COMIDA2 results # 7 of 9
288 245 3 17 1.14E-03
For Julian Day 245, selecting COMIDA2 results # 7 of 9
289 245 11 17 1.14E-03
For Julian Day 245, selecting COMIDA2 results # 7 of 9
290 245 20 19 1.11E-03
For Julian Day 245, selecting COMIDA2 results # 7 of 9
291 246 2 14 1.14E-03
For Julian Day 246, selecting COMIDA2 results # 7 of 9
292 246 8 3 8.56E-04
For Julian Day 246, selecting COMIDA2 results # 7 of 9
293 246 18 10 1.14E-03
For Julian Day 246, selecting COMIDA2 results # 7 of 9
294 246 23 13 1.14E-03
For Julian Day 246, selecting COMIDA2 results # 7 of 9
295 247 10 1 1.14E-03
For Julian Day 247, selecting COMIDA2 results # 7 of 9
296 247 23 20 1.12E-03
For Julian Day 247, selecting COMIDA2 results # 7 of 9
297 248 7 17 1.14E-03
For Julian Day 248, selecting COMIDA2 results # 7 of 9
298 248 8 27 3.71E-04
For Julian Day 248, selecting COMIDA2 results # 7 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
299	248	9	32	3.23E-04

For Julian Day 248, selecting COMIDA2 results # 7 of 9

300	249	2	10	1.14E-03

For Julian Day 249, selecting COMIDA2 results # 7 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
301	249	15	4	1.15E-03

For Julian Day 249, selecting COMIDA2 results # 7 of 9

302	249	16	4	1.15E-03

For Julian Day 249, selecting COMIDA2 results # 7 of 9

303	250	9	3	8.56E-04

For Julian Day 250, selecting COMIDA2 results # 7 of 9

304	250	18	9	1.13E-03

For Julian Day 250, selecting COMIDA2 results # 7 of 9

305	250	19	13	1.14E-03

For Julian Day 250, selecting COMIDA2 results # 7 of 9

306	251	14	26	2.38E-04

For Julian Day 251, selecting COMIDA2 results # 7 of 9

307	251	16	24	1.14E-04

For Julian Day 251, selecting COMIDA2 results # 7 of 9

308	251	20	14	1.14E-03

For Julian Day 251, selecting COMIDA2 results # 7 of 9

309	252	2	13	1.14E-03

For Julian Day 252, selecting COMIDA2 results # 7 of 9

310	252	22	13	1.14E-03

For Julian Day 252, selecting COMIDA2 results # 7 of 9

311	253	9	4	1.15E-03

For Julian Day 253, selecting COMIDA2 results # 7 of 9

312	253	21	19	1.11E-03

For Julian Day 253, selecting COMIDA2 results # 7 of 9

313	253	22	18	5.99E-04

For Julian Day 253, selecting COMIDA2 results # 7 of 9

314	254	7	9	1.13E-03

For Julian Day 254, selecting COMIDA2 results # 7 of 9

315	254	12	1	1.14E-03

For Julian Day 254, selecting COMIDA2 results # 7 of 9

316	254	24	13	1.14E-03

For Julian Day 254, selecting COMIDA2 results # 7 of 9

317	255	4	9	1.13E-03

For Julian Day 255, selecting COMIDA2 results # 7 of 9

318	255	7	10	1.14E-03

For Julian Day 255, selecting COMIDA2 results # 7 of 9

319	255	18	10	1.14E-03

For Julian Day 255, selecting COMIDA2 results # 7 of 9

320	256	10	21	1.13E-03

For Julian Day 256, selecting COMIDA2 results # 7 of 9

321	256	11	20	1.12E-03

For Julian Day 256, selecting COMIDA2 results # 7 of 9

322	256	12	19	1.11E-03

For Julian Day 256, selecting COMIDA2 results # 7 of 9

323	256	14	17	1.14E-03

For Julian Day 256, selecting COMIDA2 results # 7 of 9

324	256	22	11	1.15E-03

For Julian Day 256, selecting COMIDA2 results # 7 of 9

325	256	24	26	2.38E-04

For Julian Day 256, selecting COMIDA2 results # 7 of 9

326	257	1	25	1.52E-04

For Julian Day 257, selecting COMIDA2 results # 8 of 9

327	257	2	23	1.14E-04

For Julian Day 257, selecting COMIDA2 results # 8 of 9

328	258	2	10	1.14E-03

For Julian Day 258, selecting COMIDA2 results # 8 of 9

329	258	15	17	1.14E-03

For Julian Day 258, selecting COMIDA2 results # 8 of 9

330	258	21	11	1.15E-03

For Julian Day 258, selecting COMIDA2 results # 8 of 9

331	259	19	10	1.14E-03

For Julian Day 259, selecting COMIDA2 results # 8 of 9

332	259	23	14	1.14E-03

For Julian Day 259, selecting COMIDA2 results # 8 of 9

333	260	3	14	1.14E-03

For Julian Day 260, selecting COMIDA2 results # 8 of 9

334	260	11	5	1.13E-03

For Julian Day 260, selecting COMIDA2 results # 8 of 9

335	261	19	15	1.12E-03

For Julian Day 261, selecting COMIDA2 results # 8 of 9

336	261	21	14	1.14E-03

For Julian Day 261, selecting COMIDA2 results # 8 of 9

337	262	13	5	1.13E-03

For Julian Day 262, selecting COMIDA2 results # 8 of 9

338	262	15	4	1.15E-03

For Julian Day 262, selecting COMIDA2 results # 8 of 9

339	263	23	11	1.15E-03

For Julian Day 263, selecting COMIDA2 results # 8 of 9

340	264	1	11	1.15E-03

For Julian Day 264, selecting COMIDA2 results # 8 of 9

341	264	6	15	1.12E-03

For Julian Day 264, selecting COMIDA2 results # 8 of 9

342	264	12	1	1.14E-03

For Julian Day 264, selecting COMIDA2 results # 8 of 9

343	264	16	10	1.14E-03

For Julian Day 264, selecting COMIDA2 results # 8 of 9

344	265	14	2	1.14E-03

For Julian Day 265, selecting COMIDA2 results # 8 of 9

345	266	12	2	1.14E-03

For Julian Day 266, selecting COMIDA2 results # 8 of 9

346	266	17	4	1.15E-03

For Julian Day 266, selecting COMIDA2 results # 8 of 9

347	266	21	10	1.14E-03

For Julian Day 266, selecting COMIDA2 results # 8 of 9

348	267	13	21	1.13E-03

For Julian Day 267, selecting COMIDA2 results # 8 of 9

349	267	14	20	1.12E-03

For Julian Day 267, selecting COMIDA2 results # 8 of 9

350	267	18	11	1.15E-03

For Julian Day 267, selecting COMIDA2 results # 8 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
351	268	22	14	1.14E-03

For Julian Day 268, selecting COMIDA2 results # 8 of 9

352	269	5	14	1.14E-03

For Julian Day 269, selecting COMIDA2 results # 8 of 9

353	269	6	13	1.14E-03

For Julian Day 269, selecting COMIDA2 results # 8 of 9

354	269	13	5	1.13E-03

For Julian Day 269, selecting COMIDA2 results # 8 of 9

355	269	15	10	1.14E-03

For Julian Day 269, selecting COMIDA2 results # 8 of 9

356	269	18	9	1.13E-03

For Julian Day 269, selecting COMIDA2 results # 8 of 9

357	269	22	13	1.14E-03

For Julian Day 269, selecting COMIDA2 results # 8 of 9

358	271	5	9	1.13E-03

For Julian Day 271, selecting COMIDA2 results # 8 of 9

359	271	16	7	1.13E-03

For Julian Day 271, selecting COMIDA2 results # 8 of 9

360	271	17	30	1.14E-04

For Julian Day 271, selecting COMIDA2 results # 8 of 9

361	271	18	27	3.71E-04

For Julian Day 271, selecting COMIDA2 results # 8 of 9

362	271	21	22	1.09E-03

For Julian Day 271, selecting COMIDA2 results # 8 of 9

363	272	9	6	1.15E-03

For Julian Day 272, selecting COMIDA2 results # 8 of 9

364	272	22	14	1.14E-03

For Julian Day 272, selecting COMIDA2 results # 8 of 9

365	273	9	3	8.56E-04

For Julian Day 273, selecting COMIDA2 results # 8 of 9

366	273	16	4	1.15E-03

For Julian Day 273, selecting COMIDA2 results # 8 of 9

367	273	19	11	1.15E-03

For Julian Day 273, selecting COMIDA2 results # 8 of 9

368	273	24	17	1.14E-03

For Julian Day 273, selecting COMIDA2 results # 8 of 9

369	274	10	1	1.14E-03

For Julian Day 274, selecting COMIDA2 results # 8 of 9

370	274	14	5	1.13E-03

For Julian Day 274, selecting COMIDA2 results # 8 of 9

371	274	15	10	1.14E-03

For Julian Day 274, selecting COMIDA2 results # 8 of 9

372	274	22	15	1.12E-03

For Julian Day 274, selecting COMIDA2 results # 8 of 9

373	275	3	14	1.14E-03

For Julian Day 275, selecting COMIDA2 results # 8 of 9

374	276	4	9	1.13E-03

For Julian Day 276, selecting COMIDA2 results # 8 of 9

375	276	12	10	1.14E-03

For Julian Day 276, selecting COMIDA2 results # 8 of 9

376	276	14	1	1.14E-03

For Julian Day 276, selecting COMIDA2 results # 8 of 9

377	276	24	13	1.14E-03

For Julian Day 276, selecting COMIDA2 results # 8 of 9

378	277	5	14	1.14E-03

For Julian Day 277, selecting COMIDA2 results # 8 of 9

379	278	2	5	1.13E-03

For Julian Day 278, selecting COMIDA2 results # 8 of 9

380	278	4	6	1.15E-03

For Julian Day 278, selecting COMIDA2 results # 8 of 9

381	278	8	2	1.14E-03

For Julian Day 278, selecting COMIDA2 results # 8 of 9

382	278	24	18	5.99E-04

For Julian Day 278, selecting COMIDA2 results # 8 of 9

383	279	7	17	1.14E-03

For Julian Day 279, selecting COMIDA2 results # 8 of 9

384	279	11	17	1.14E-03

For Julian Day 279, selecting COMIDA2 results # 8 of 9

385	280	5	2	1.14E-03

For Julian Day 280, selecting COMIDA2 results # 8 of 9

386	280	11	1	1.14E-03

For Julian Day 280, selecting COMIDA2 results # 8 of 9

387	281	1	1	1.14E-03

For Julian Day 281, selecting COMIDA2 results # 8 of 9

388	281	19	1	1.14E-03

For Julian Day 281, selecting COMIDA2 results # 8 of 9

389	282	2	1	1.14E-03

For Julian Day 282, selecting COMIDA2 results # 8 of 9

390	282	8	1	1.14E-03

For Julian Day 282, selecting COMIDA2 results # 8 of 9

391	282	22	20	1.12E-03

For Julian Day 282, selecting COMIDA2 results # 8 of 9

392	282	24	19	1.11E-03

For Julian Day 282, selecting COMIDA2 results # 8 of 9

393	283	8	1	1.14E-03

For Julian Day 283, selecting COMIDA2 results # 8 of 9

394	283	17	9	1.13E-03

For Julian Day 283, selecting COMIDA2 results # 8 of 9

395	283	18	13	1.14E-03

For Julian Day 283, selecting COMIDA2 results # 8 of 9

396	284	6	9	1.13E-03

For Julian Day 284, selecting COMIDA2 results # 8 of 9

397	284	19	18	5.99E-04

For Julian Day 284, selecting COMIDA2 results # 8 of 9

398	284	21	17	1.14E-03

For Julian Day 284, selecting COMIDA2 results # 8 of 9

399	287	5	14	1.14E-03

For Julian Day 287, selecting COMIDA2 results # 9 of 9

400	287	10	2	1.14E-03

For Julian Day 287, selecting COMIDA2 results # 9 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
401	288	6	14	1.14E-03

For Julian Day 288, selecting COMIDA2 results # 9 of 9

402	288	10	1	1.14E-03

For Julian Day 288, selecting COMIDA2 results # 9 of 9

403	289	2	14	1.14E-03

For Julian Day 289, selecting COMIDA2 results # 9 of 9
404 289 5 14 1.14E-03
For Julian Day 289, selecting COMIDA2 results # 9 of 9
405 289 11 4 1.15E-03
For Julian Day 289, selecting COMIDA2 results # 9 of 9
406 289 18 10 1.14E-03
For Julian Day 289, selecting COMIDA2 results # 9 of 9
407 289 24 11 1.15E-03
For Julian Day 289, selecting COMIDA2 results # 9 of 9
408 290 1 11 1.15E-03
For Julian Day 290, selecting COMIDA2 results # 9 of 9
409 290 13 27 3.71E-04
For Julian Day 290, selecting COMIDA2 results # 9 of 9
410 290 20 12 1.15E-03
For Julian Day 290, selecting COMIDA2 results # 9 of 9
411 291 2 10 1.14E-03
For Julian Day 291, selecting COMIDA2 results # 9 of 9
412 291 12 1 1.14E-03
For Julian Day 291, selecting COMIDA2 results # 9 of 9
413 292 6 26 2.38E-04
For Julian Day 292, selecting COMIDA2 results # 9 of 9
414 292 7 26 2.38E-04
For Julian Day 292, selecting COMIDA2 results # 9 of 9
415 292 11 25 1.52E-04
For Julian Day 292, selecting COMIDA2 results # 9 of 9
416 292 12 25 1.52E-04
For Julian Day 292, selecting COMIDA2 results # 9 of 9
417 292 13 24 1.14E-04
For Julian Day 292, selecting COMIDA2 results # 9 of 9
418 292 15 6 1.15E-03
For Julian Day 292, selecting COMIDA2 results # 9 of 9
419 292 23 22 1.09E-03
For Julian Day 292, selecting COMIDA2 results # 9 of 9
420 293 3 17 1.14E-03
For Julian Day 293, selecting COMIDA2 results # 9 of 9
421 293 6 17 1.14E-03
For Julian Day 293, selecting COMIDA2 results # 9 of 9
422 294 5 14 1.14E-03
For Julian Day 294, selecting COMIDA2 results # 9 of 9
423 294 11 2 1.14E-03
For Julian Day 294, selecting COMIDA2 results # 9 of 9
424 295 3 13 1.14E-03
For Julian Day 295, selecting COMIDA2 results # 9 of 9
425 295 10 10 1.14E-03
For Julian Day 295, selecting COMIDA2 results # 9 of 9
426 295 11 5 1.13E-03
For Julian Day 295, selecting COMIDA2 results # 9 of 9
427 296 11 6 1.15E-03
For Julian Day 296, selecting COMIDA2 results # 9 of 9
428 296 16 6 1.15E-03
For Julian Day 296, selecting COMIDA2 results # 9 of 9
429 297 2 11 1.15E-03
For Julian Day 297, selecting COMIDA2 results # 9 of 9
430 297 18 6 1.15E-03
For Julian Day 297, selecting COMIDA2 results # 9 of 9
431 298 7 11 1.15E-03
For Julian Day 298, selecting COMIDA2 results # 9 of 9
432 298 8 5 1.13E-03
For Julian Day 298, selecting COMIDA2 results # 9 of 9
433 298 15 6 1.15E-03
For Julian Day 298, selecting COMIDA2 results # 9 of 9
434 298 21 11 1.15E-03
For Julian Day 298, selecting COMIDA2 results # 9 of 9
435 299 5 10 1.14E-03
For Julian Day 299, selecting COMIDA2 results # 9 of 9
436 299 13 2 1.14E-03
For Julian Day 299, selecting COMIDA2 results # 9 of 9
437 299 23 14 1.14E-03
For Julian Day 299, selecting COMIDA2 results # 9 of 9
438 299 24 13 1.14E-03
For Julian Day 299, selecting COMIDA2 results # 9 of 9
439 300 1 9 1.13E-03
For Julian Day 300, selecting COMIDA2 results # 9 of 9
440 300 7 21 1.13E-03
For Julian Day 300, selecting COMIDA2 results # 9 of 9
441 300 8 21 1.13E-03
For Julian Day 300, selecting COMIDA2 results # 9 of 9
442 300 20 22 1.09E-03
For Julian Day 300, selecting COMIDA2 results # 9 of 9
443 301 21 12 1.15E-03
For Julian Day 301, selecting COMIDA2 results # 9 of 9
444 302 17 12 1.15E-03
For Julian Day 302, selecting COMIDA2 results # 9 of 9
445 304 23 20 1.12E-03
For Julian Day 304, selecting COMIDA2 results # 9 of 9
446 305 1 19 1.11E-03
For Julian Day 305, selecting COMIDA2 results # 9 of 9
447 305 7 13 1.14E-03
For Julian Day 305, selecting COMIDA2 results # 9 of 9
448 306 9 6 1.15E-03
For Julian Day 306, selecting COMIDA2 results # 9 of 9
449 306 16 11 1.15E-03
For Julian Day 306, selecting COMIDA2 results # 9 of 9
450 306 20 11 1.15E-03
For Julian Day 306, selecting COMIDA2 results # 9 of 9

TRIAL DAY PERIOD BIN PRBMET
451 307 18 11 1.15E-03
For Julian Day 307, selecting COMIDA2 results # 9 of 9
452 307 24 10 1.14E-03
For Julian Day 307, selecting COMIDA2 results # 9 of 9
453 308 4 15 1.12E-03
For Julian Day 308, selecting COMIDA2 results # 9 of 9
454 308 10 2 1.14E-03
For Julian Day 308, selecting COMIDA2 results # 9 of 9
455 308 24 14 1.14E-03
For Julian Day 308, selecting COMIDA2 results # 9 of 9
456 309 9 3 8.56E-04

For Julian Day 309, selecting COMIDA2 results # 9 of 9
457 309 10 4 1.15E-03
For Julian Day 309, selecting COMIDA2 results # 9 of 9
458 309 13 1 1.14E-03
For Julian Day 309, selecting COMIDA2 results # 9 of 9
459 309 18 14 1.14E-03
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460 309 19 9 1.13E-03
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462 310 15 4 1.15E-03
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TRIAL DAY PERIOD BIN PRBMET
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509 327 11 20 1.12E-03

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TRIAL DAY PERIOD BIN PRBMET
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553 346 10 1 1.14E-03
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554 346 24 10 1.14E-03
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555 347 10 17 1.14E-03
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556 347 13 5 1.13E-03
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557 347 24 21 1.13E-03
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558 348 11 4 1.15E-03
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559 348 15 14 1.14E-03
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560 348 21 10 1.14E-03
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562 349 7 9 1.13E-03

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563 350 1 12 1.15E-03
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564 350 3 16 1.14E-04
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565 350 5 16 1.14E-04
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566 350 13 6 1.15E-03
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569 352 1 13 1.14E-03
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572 353 7 10 1.14E-03
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573 353 11 5 1.13E-03
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575 353 18 11 1.15E-03
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576 354 4 14 1.14E-03
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577 355 7 20 1.12E-03
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578 355 24 14 1.14E-03
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579 356 10 19 1.11E-03
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581 357 3 10 1.14E-03
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582 357 4 10 1.14E-03
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583 357 19 11 1.15E-03
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584 357 23 15 1.12E-03
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591 361 18 11 1.15E-03
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592 362 18 9 1.13E-03
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593 363 11 1 1.14E-03
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594 363 14 4 1.15E-03
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595 363 21 14 1.14E-03
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596 364 1 9 1.13E-03
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597 364 7 9 1.13E-03
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598 364 15 5 1.13E-03
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599 365 2 10 1.14E-03
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600 365 7 10 1.14E-03
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TRIAL DAY PERIOD BIN PRBMET
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602 1 13 6 1.15E-03
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603 1 15 5 1.13E-03
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604 1 21 14 1.14E-03
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605 1 23 13 1.14E-03
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606 2 4 21 1.13E-03
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607 2 6 20 1.12E-03
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608 2 11 17 1.14E-03
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609 2 14 17 1.14E-03
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610 2 15 27 3.71E-04
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612 3 22 5 1.13E-03
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613 4 6 4 1.15E-03
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615 6 8 6 1.15E-03

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617 7 15 6 1.15E-03
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619 7 22 4 1.15E-03
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620 8 1 10 1.14E-03
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621 8 4 10 1.14E-03
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622 8 21 12 1.15E-03
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623 9 9 11 1.15E-03
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624 9 10 6 1.15E-03
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625 9 22 10 1.14E-03
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626 11 14 23 1.14E-04
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627 11 15 22 1.09E-03
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634 14 19 8 3.04E-04
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635 14 23 8 3.04E-04
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636 15 2 8 3.04E-04
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637 15 5 8 3.04E-04
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638 15 7 8 3.04E-04
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639 15 9 8 3.04E-04
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640 15 13 8 3.04E-04
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641 15 15 8 3.04E-04
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642 15 21 12 1.15E-03
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646 16 16 3 8.56E-04
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647 17 18 20 1.12E-03
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648 18 3 17 1.14E-03
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650 18 15 8 3.04E-04
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TRIAL DAY PERIOD BIN PRBMET
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653 19 11 10 1.14E-03
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654 19 18 11 1.15E-03
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655 19 19 12 1.15E-03
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656 20 1 10 1.14E-03
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657 20 21 13 1.14E-03
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658 21 1 14 1.14E-03
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659 21 12 6 1.15E-03
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660 21 16 7 1.13E-03
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661 21 20 6 1.15E-03
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663 22 8 4 1.15E-03
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668 24 24 11 1.15E-03

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671 25 24 7 1.13E-03
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674 27 11 5 1.13E-03
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675 27 18 14 1.14E-03
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676 28 10 10 1.14E-03
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677 28 21 13 1.14E-03
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678 28 23 13 1.14E-03
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694 34 10 6 1.15E-03
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TRIAL DAY PERIOD BIN PRBMET
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733 50 17 5 1.13E-03
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745 55 7 7 1.13E-03
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746 55 10 8 3.04E-04
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747 55 12 2 1.14E-03
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748 56 5 11 1.15E-03
For Julian Day 56, selecting COMIDA2 results # 2 of 9
749 56 6 10 1.14E-03
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750 56 10 2 1.14E-03
For Julian Day 56, selecting COMIDA2 results # 2 of 9

TRIAL DAY PERIOD BIN PRBMET
751 56 16 6 1.15E-03
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752 57 8 7 1.13E-03
For Julian Day 57, selecting COMIDA2 results # 2 of 9
753 58 14 6 1.15E-03
For Julian Day 58, selecting COMIDA2 results # 2 of 9
754 58 16 6 1.15E-03
For Julian Day 58, selecting COMIDA2 results # 2 of 9
755 59 7 5 1.13E-03
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756 59 11 2 1.14E-03
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757 60 1 10 1.14E-03
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758 60 4 6 1.15E-03
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759 61 5 20 1.12E-03
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760 61 7 20 1.12E-03
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761 61 21 7 1.13E-03
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762 62 23 7 1.13E-03
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763 63 3 6 1.15E-03
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764 63 10 2 1.14E-03
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765 63 20 12 1.15E-03
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766 64 7 6 1.15E-03
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767 64 23 12 1.15E-03
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768 64 24 11 1.15E-03
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769 65 8 4 1.15E-03
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770 65 12 1 1.14E-03
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771 66 10 6 1.15E-03
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772 66 11 2 1.14E-03
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773 66 14 2 1.14E-03
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774 66 19 10 1.14E-03

For Julian Day 66, selecting COMIDA2 results # 2 of 9
775 67 1 10 1.14E-03
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776 67 5 14 1.14E-03
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777 67 16 5 1.13E-03
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778 68 6 5 1.13E-03
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779 68 17 6 1.15E-03
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780 69 6 12 1.15E-03
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781 69 14 7 1.13E-03
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782 70 1 11 1.15E-03
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783 70 11 1 1.14E-03
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784 70 22 11 1.15E-03
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785 71 10 17 1.14E-03
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786 71 11 3 8.56E-04
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787 71 13 4 1.15E-03
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788 72 4 18 5.99E-04
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789 72 9 9 1.13E-03
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790 72 14 2 1.14E-03
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791 73 3 12 1.15E-03
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792 74 5 12 1.15E-03
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793 74 10 7 1.13E-03
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794 75 15 2 1.14E-03
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795 75 21 11 1.15E-03
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796 76 6 5 1.13E-03
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797 76 23 12 1.15E-03
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798 77 8 6 1.15E-03
For Julian Day 77, selecting COMIDA2 results # 2 of 9
799 77 9 2 1.14E-03
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800 77 14 2 1.14E-03
For Julian Day 77, selecting COMIDA2 results # 2 of 9

TRIAL DAY PERIOD BIN PRBMET
801 78 5 11 1.15E-03
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802 78 19 6 1.15E-03
For Julian Day 78, selecting COMIDA2 results # 2 of 9
803 78 21 7 1.13E-03
For Julian Day 78, selecting COMIDA2 results # 2 of 9
804 79 13 2 1.14E-03
For Julian Day 79, selecting COMIDA2 results # 2 of 9
805 80 8 1 1.14E-03
For Julian Day 80, selecting COMIDA2 results # 2 of 9
806 80 19 4 1.15E-03
For Julian Day 80, selecting COMIDA2 results # 2 of 9
807 81 5 6 1.15E-03
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808 81 15 6 1.15E-03
For Julian Day 81, selecting COMIDA2 results # 2 of 9
809 82 3 6 1.15E-03
For Julian Day 82, selecting COMIDA2 results # 2 of 9
810 83 3 5 1.13E-03
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811 83 10 2 1.14E-03
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812 83 20 11 1.15E-03
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813 84 1 5 1.13E-03
For Julian Day 84, selecting COMIDA2 results # 2 of 9
814 84 12 1 1.14E-03
For Julian Day 84, selecting COMIDA2 results # 2 of 9
815 84 17 5 1.13E-03
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816 84 19 10 1.14E-03
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817 85 2 11 1.15E-03
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818 86 3 12 1.15E-03
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819 86 7 6 1.15E-03
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820 86 12 2 1.14E-03
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821 86 16 6 1.15E-03
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822 86 18 11 1.15E-03
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823 86 20 14 1.14E-03
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824 87 1 13 1.14E-03
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825 87 15 1 1.14E-03
For Julian Day 87, selecting COMIDA2 results # 2 of 9
826 87 21 4 1.15E-03
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827 87 24 21 1.13E-03

For Julian Day 87, selecting COMIDA2 results # 2 of 9
828 88 6 19 1.11E-03
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829 89 5 13 1.14E-03
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830 89 11 10 1.14E-03
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831 90 19 12 1.15E-03
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832 91 8 5 1.13E-03
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833 91 16 7 1.13E-03
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834 92 13 1 1.14E-03
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835 92 22 13 1.14E-03
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836 93 3 10 1.14E-03
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837 93 7 5 1.13E-03
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838 93 11 21 1.13E-03
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839 93 16 36 1.43E-04
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840 93 17 35 1.14E-04
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841 93 18 34 1.14E-04
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842 93 19 33 1.14E-04
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843 93 21 27 3.71E-04
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844 94 1 12 1.15E-03
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845 94 10 2 1.14E-03
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846 94 22 11 1.15E-03
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847 95 9 7 1.13E-03
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848 95 13 2 1.14E-03
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849 95 16 6 1.15E-03
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850 96 6 10 1.14E-03
For Julian Day 96, selecting COMIDA2 results # 3 of 9

TRIAL DAY PERIOD BIN PRBMET
851 97 8 17 1.14E-03
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852 97 10 17 1.14E-03
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853 97 15 2 1.14E-03
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854 98 16 6 1.15E-03
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855 98 20 11 1.15E-03
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856 98 24 12 1.15E-03
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857 99 24 14 1.14E-03
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858 100 15 1 1.14E-03
For Julian Day 100, selecting COMIDA2 results # 3 of 9
859 100 22 9 1.13E-03
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860 101 6 13 1.14E-03
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861 101 21 11 1.15E-03
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862 102 12 2 1.14E-03
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863 102 13 6 1.15E-03
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864 103 8 9 1.13E-03
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865 104 3 20 1.12E-03
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866 104 4 20 1.12E-03
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867 104 12 10 1.14E-03
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868 104 21 19 1.11E-03
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869 105 4 14 1.14E-03
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870 105 9 4 1.15E-03
For Julian Day 105, selecting COMIDA2 results # 3 of 9
871 105 14 2 1.14E-03
For Julian Day 105, selecting COMIDA2 results # 3 of 9
872 105 22 12 1.15E-03
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873 106 2 11 1.15E-03
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874 106 14 2 1.14E-03
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875 106 16 1 1.14E-03
For Julian Day 106, selecting COMIDA2 results # 3 of 9
876 106 24 10 1.14E-03
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877 107 1 5 1.13E-03
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878 107 3 10 1.14E-03
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879 107 13 1 1.14E-03
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880 108 18 5 1.13E-03

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881 109 13 2 1.14E-03
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882 109 17 6 1.15E-03
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883 110 2 11 1.15E-03
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884 110 14 1 1.14E-03
For Julian Day 110, selecting COMIDA2 results # 3 of 9
885 110 22 13 1.14E-03
For Julian Day 110, selecting COMIDA2 results # 3 of 9
886 111 23 17 1.14E-03
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887 112 6 17 1.14E-03
For Julian Day 112, selecting COMIDA2 results # 3 of 9
888 112 10 23 1.14E-04
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889 112 19 32 3.23E-04
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890 112 21 27 3.71E-04
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891 113 1 17 1.14E-03
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892 113 20 21 1.13E-03
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893 114 14 2 1.14E-03
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894 115 9 4 1.15E-03
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895 115 11 1 1.14E-03
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896 115 19 12 1.15E-03
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897 116 20 10 1.14E-03
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898 116 24 9 1.13E-03
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899 117 1 14 1.14E-03
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900 117 12 1 1.14E-03
For Julian Day 117, selecting COMIDA2 results # 3 of 9

TRIAL DAY PERIOD BIN PRBMET
901 117 13 1 1.14E-03
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902 117 20 14 1.14E-03
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903 117 22 13 1.14E-03
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904 118 15 2 1.14E-03
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905 119 16 1 1.14E-03
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906 119 22 10 1.14E-03
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907 119 23 11 1.15E-03
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908 120 4 9 1.13E-03
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909 121 10 1 1.14E-03
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910 121 23 10 1.14E-03
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911 122 9 4 1.15E-03
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912 122 15 1 1.14E-03
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913 122 24 10 1.14E-03
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914 123 10 1 1.14E-03
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915 124 3 14 1.14E-03
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916 124 6 14 1.14E-03
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917 124 14 2 1.14E-03
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918 125 1 15 1.12E-03
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919 125 8 5 1.13E-03
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920 125 12 1 1.14E-03
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921 125 22 13 1.14E-03
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922 126 10 4 1.15E-03
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923 126 16 6 1.15E-03
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924 127 14 1 1.14E-03
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925 128 2 18 5.99E-04
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926 128 6 10 1.14E-03
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927 128 12 4 1.15E-03
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929 129 16 1 1.14E-03
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932 130 19 11 1.15E-03
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935 132 2 17 1.14E-03
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936 132 10 1 1.14E-03
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937 132 20 10 1.14E-03
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938 133 24 21 1.13E-03
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939 134 1 21 1.13E-03
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940 134 4 20 1.12E-03
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941 134 5 20 1.12E-03
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942 134 7 19 1.11E-03
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943 135 1 18 5.99E-04
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944 135 5 17 1.14E-03
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945 135 24 20 1.12E-03
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946 136 18 6 1.15E-03
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947 136 22 14 1.14E-03
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948 137 3 14 1.14E-03
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949 137 7 4 1.15E-03
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950 137 8 5 1.13E-03
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TRIAL DAY PERIOD BIN PRBMET
951 137 14 17 1.14E-03
For Julian Day 137, selecting COMIDA2 results # 4 of 9
952 137 19 10 1.14E-03
For Julian Day 137, selecting COMIDA2 results # 4 of 9
953 137 21 11 1.15E-03
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954 138 7 3 8.56E-04
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955 138 15 5 1.13E-03
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956 139 19 12 1.15E-03
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957 140 11 2 1.14E-03
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958 141 2 14 1.14E-03
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959 141 4 14 1.14E-03
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960 141 6 13 1.14E-03
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961 141 22 12 1.15E-03
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962 142 7 6 1.15E-03
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963 142 12 2 1.14E-03
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964 142 20 11 1.15E-03
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965 143 3 15 1.12E-03
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968 145 23 21 1.13E-03
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971 147 6 14 1.14E-03
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972 147 14 6 1.15E-03
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973 147 18 11 1.15E-03
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974 148 2 10 1.14E-03
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975 148 4 14 1.14E-03
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976 148 10 4 1.15E-03
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977 148 15 1 1.14E-03
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978 149 1 13 1.14E-03
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979 149 7 9 1.13E-03
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980 149 16 4 1.15E-03
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981 150 5 13 1.14E-03
For Julian Day 150, selecting COMIDA2 results # 4 of 9
982 150 9 5 1.13E-03
For Julian Day 150, selecting COMIDA2 results # 4 of 9
983 150 23 10 1.14E-03
For Julian Day 150, selecting COMIDA2 results # 4 of 9
984 151 9 1 1.14E-03
For Julian Day 151, selecting COMIDA2 results # 4 of 9

"ATMOS" DESCRIPTION = OCP3 low density no spray
PROB QUANTILES PEAK PEAK PEAK

	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONS	PROB	TRIAL
Source Term 1: Plume 1, at 0-0.2 km										
Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	2.51E+10	1.89E+10	4.59E+10	6.05E+10	****	****	7.92E+10	2.97E-02	127
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	9.50E+09	7.51E+09	1.60E+10	2.06E+10	2.84E+10	3.63E+10	4.31E+10	3.40E-03	315
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	7.29E+07	5.80E+07	1.22E+08	1.45E+08	2.27E+08	2.96E+08	3.40E+08	3.23E-04	91
Total Center Ground Conc. (Bq/m2)	1.0000	3.50E+08	2.82E+08	6.10E+08	7.43E+08	1.03E+09	1.12E+09	1.59E+09	3.23E-04	91
Ground-Level Dilution, X/Q (s/m3)	1.0000	4.21E-05	3.35E-05	7.33E-05	8.21E-05	1.20E-04	1.62E-04	1.93E-04	3.40E-03	315
Cs-137 Adjusted Source, Q (Bq)	1.0000	2.26E+14	2.03E+14	2.09E+14	2.11E+14	2.17E+14	2.20E+14	2.26E+14	1.15E-03	443
Plume Sigma-y (m)	1.0000	3.52E+01	3.35E+01	****	****	****	****	4.46E+01	1.60E-01	22
Plume Sigma-z (m)	1.0000	3.06E+01	2.77E+01	5.11E+01	****	****	****	5.14E+01	9.21E-02	2
Plume Height (m)	1.0000	5.00E+01	****	****	****	****	****	5.00E+01	1.00E+00	1
Plume Arrival Time (s)	1.0000	1.50E+05	1.11E+05	1.43E+05	****	****	****	1.50E+05	7.19E-02	57
Source Term 1: Plume 1, at 0.2-0.5 km										
Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	6.53E+09	5.47E+09	1.24E+10	1.69E+10	****	****	2.15E+10	2.97E-02	127
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	4.25E+09	3.38E+09	7.87E+09	9.76E+09	1.24E+10	1.36E+10	1.66E+10	1.15E-03	457
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	3.19E+07	2.63E+07	5.75E+07	7.07E+07	8.74E+07	9.58E+07	1.28E+08	3.23E-04	91
Total Center Ground Conc. (Bq/m2)	1.0000	1.53E+08	1.25E+08	2.91E+08	3.30E+08	4.22E+08	4.69E+08	5.99E+08	3.23E-04	91
Ground-Level Dilution, X/Q (s/m3)	1.0000	1.91E-05	1.43E-05	3.52E-05	4.65E-05	5.72E-05	6.10E-05	7.66E-05	1.15E-03	457
Cs-137 Adjusted Source, Q (Bq)	1.0000	2.24E+14	2.02E+14	2.07E+14	2.09E+14	2.14E+14	2.16E+14	2.26E+14	3.04E-04	639
Plume Sigma-y (m)	1.0000	1.03E+02	1.07E+02	****	****	****	****	1.39E+02	1.60E-01	22
Plume Sigma-z (m)	1.0000	5.56E+01	4.51E+01	****	****	****	****	1.60E+02	1.22E-01	2
Plume Height (m)	1.0000	5.00E+01	****	****	****	****	****	5.00E+01	1.00E+00	1
Plume Arrival Time (s)	1.0000	1.50E+05	1.11E+05	1.43E+05	****	****	****	1.50E+05	7.19E-02	57
Source Term 1: Plume 1, at 0.5-1.2 km										
Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	2.50E+09	2.23E+09	4.90E+09	5.90E+09	****	****	8.62E+09	1.06E-02	317
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	2.33E+09	2.04E+09	4.42E+09	5.43E+09	7.15E+09	7.38E+09	7.92E+09	1.13E-03	441
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	1.69E+07	1.36E+07	3.17E+07	3.81E+07	5.31E+07	5.71E+07	8.86E+07	3.71E-04	280
Total Center Ground Conc. (Bq/m2)	1.0000	8.12E+07	7.11E+07	1.39E+08	1.73E+08	2.36E+08	2.60E+08	4.18E+08	3.71E-04	280
Ground-Level Dilution, X/Q (s/m3)	1.0000	1.08E-05	8.80E-06	2.09E-05	2.49E-05	3.24E-05	3.44E-05	3.83E-05	1.50E-03	280
Cs-137 Adjusted Source, Q (Bq)	1.0000	2.19E+14	2.03E+14	2.09E+14	2.12E+14	2.19E+14	2.22E+14	2.25E+14	2.29E-03	800
Plume Sigma-y (m)	1.0000	2.01E+02	1.52E+02	****	****	****	****	2.66E+02	1.40E-01	2
Plume Sigma-z (m)	1.0000	1.11E+02	4.55E+01	3.24E+02	3.79E+02	****	****	4.35E+02	2.72E-02	33
Plume Height (m)	1.0000	5.00E+01	****	****	****	****	****	5.00E+01	1.00E+00	1
Plume Arrival Time (s)	1.0000	1.50E+05	1.10E+05	1.36E+05	1.49E+05	****	****	1.51E+05	4.40E-02	57
Source Term 1: Plume 1, at 1.2-1.6 km										
Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	1.56E+09	1.23E+09	3.00E+09	3.70E+09	5.14E+09	5.30E+09	5.65E+09	1.14E-03	262
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	1.66E+09	1.26E+09	3.15E+09	3.84E+09	5.22E+09	5.46E+09	6.00E+09	1.14E-03	262
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	1.16E+07	1.07E+07	2.12E+07	2.57E+07	3.47E+07	3.81E+07	5.24E+07	3.23E-04	91
Total Center Ground Conc. (Bq/m2)	1.0000	5.57E+07	5.30E+07	1.03E+08	1.15E+08	1.51E+08	1.69E+08	2.45E+08	3.23E-04	91
Ground-Level Dilution, X/Q (s/m3)	1.0000	7.92E-06	7.01E-06	1.62E-05	2.17E-05	****	****	3.01E-05	1.86E-02	111
Cs-137 Adjusted Source, Q (Bq)	1.0000	2.15E+14	2.02E+14	2.08E+14	2.10E+14	2.16E+14	2.19E+14	2.25E+14	1.15E-03	849
Plume Sigma-y (m)	1.0000	2.74E+02	2.48E+02	****	****	****	****	4.06E+02	1.38E-01	2
Plume Sigma-z (m)	1.0000	1.72E+02	4.60E+01	7.03E+02	7.08E+02	7.21E+02	7.27E+02	7.55E+02	1.52E-04	415
Plume Height (m)	1.0000	5.00E+01	****	****	****	****	****	5.00E+01	1.00E+00	1
Plume Arrival Time (s)	1.0000	1.51E+05	1.10E+05	1.37E+05	1.50E+05	****	****	1.53E+05	4.40E-02	57
Source Term 1: Plume 1, at 1.6-2.1 km										
Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	1.25E+09	1.09E+09	2.59E+09	3.14E+09	3.76E+09	4.07E+09	4.81E+09	1.13E-03	201
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	1.39E+09	1.12E+09	2.90E+09	3.30E+09	4.23E+09	4.71E+09	5.38E+09	1.13E-03	201
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	9.44E+06	8.22E+06	1.95E+07	2.23E+07	2.93E+07	3.18E+07	4.28E+07	3.23E-04	91
Total Center Ground Conc. (Bq/m2)	1.0000	4.53E+07	3.69E+07	9.48E+07	1.08E+08	1.31E+08	1.43E+08	2.00E+08	3.23E-04	91
Ground-Level Dilution, X/Q (s/m3)	1.0000	6.82E-06	5.66E-06	1.46E-05	2.02E-05	2.39E-05	2.57E-05	2.68E-05	3.41E-03	111
Cs-137 Adjusted Source, Q (Bq)	1.0000	2.11E+14	2.02E+14	2.08E+14	2.10E+14	2.16E+14	2.19E+14	2.25E+14	1.15E-03	849
Plume Sigma-y (m)	1.0000	3.20E+02	2.74E+02	****	****	****	****	5.17E+02	1.34E-01	2
Plume Sigma-z (m)	1.0000	2.28E+02	6.63E+01	1.00E+03	1.01E+03	1.04E+03	1.05E+03	1.06E+03	2.54E-03	50
Plume Height (m)	1.0000	5.00E+01	****	****	****	****	****	5.00E+01	1.00E+00	1
Plume Arrival Time (s)	1.0000	1.51E+05	1.10E+05	1.37E+05	1.51E+05	****	****	1.54E+05	4.40E-02	57
Source Term 1: Plume 1, at 2.1-3.2 km										
Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	9.20E+08	7.84E+08	2.01E+09	2.33E+09	3.10E+09	3.27E+09	3.65E+09	1.13E-03	597
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	1.03E+09	9.34E+08	2.26E+09	3.00E+09	3.45E+09	3.66E+09	4.16E+09	1.13E-03	597
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	6.73E+06	6.50E+06	1.24E+07	1.48E+07	2.09E+07	2.25E+07	3.05E+07	3.23E-04	91
Total Center Ground Conc. (Bq/m2)	1.0000	3.23E+07	3.14E+07	6.85E+07	7.73E+07	9.92E+07	1.07E+08	1.42E+08	3.23E-04	91
Ground-Level Dilution, X/Q (s/m3)	1.0000	5.31E-06	4.06E-06	1.11E-05	1.37E-05	****	****	2.16E-05	1.47E-02	201
Cs-137 Adjusted Source, Q (Bq)	1.0000	2.06E+14	2.01E+14	2.07E+14	2.10E+14	2.16E+14	2.19E+14	2.24E+14	1.15E-03	849
Plume Sigma-y (m)	1.0000	3.97E+02	3.54E+02	****	****	****	****	7.01E+02	1.25E-01	2
Plume Sigma-z (m)	1.0000	3.31E+02	6.76E+01	1.04E+03	1.13E+03	1.38E+03	1.51E+03	1.65E+03	2.39E-03	50
Plume Height (m)	1.0000	5.00E+01	****	****	****	****	****	5.00E+01	1.00E+00	1
Plume Arrival Time (s)	1.0000	1.52E+05	1.09E+05	1.34E+05	1.46E+05	****	****	1.55E+05	3.04E-02	110
Source Term 1: Plume 1, at 3.2-4.0 km										
Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	6.78E+08	5.79E+08	1.46E+09	1.95E+09	2.18E+09	2.26E+09	2.61E+09	3.71E-04	279
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	7.56E+08	6.61E+08	1.56E+09	2.01E+09	2.28E+09	2.41E+09	2.95E+09	3.71E-04	279
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	4.72E+06	4.16E+06	9.74E+06	1.09E+07	1.37E+07	1.51E+07	2.98E+07	3.71E-04	279
Total Center Ground Conc. (Bq/m2)	1.0000	2.26E+07	2.14E+07	4.66E+07	5.34E+07	6.60E+07	7.22E+07	1.41E+08	3.71E-04	279
Ground-Level Dilution, X/Q (s/m3)	1.0000	4.06E-06	3.29E-06	9.26E-06	1.07E-05	1.30E-05	1.42E-05	1.70E-05	1.13E-03	517
Cs-137 Adjusted Source, Q (Bq)	1.0000	2.01E+14	2.01E+14	2.07E+14	2.09E+14	2.16E+14	2.18E+14	2.24E+14	1.15E-03	849
Plume Sigma-y (m)	1.0000	4.85E+02	3.64E+02	7.40E+02	8.23E+02	****	****	9.11E+02	2.58E-02	62
Plume Sigma-z (m)	1.0000	4.57E+02	9.64E+01	2.04E+03	2.15E+03	****	****	2.39E+03	1.30E-02	50
Plume Height (m)	1.0000	5.00E+01	****	****	****	****	****	5.00E+01	1.00E+00	1
Plume Arrival Time (s)	1.0000	1.52E+05	1.09E+05	1.35E+05	1.47E+05	****	****	1.57E+05	3.04E-02	110
Source Term 1: Plume 1, at 4.0-4.8 km										
Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	5.42E+08	4.65E+08	1.07E+09	1.21E+09	1.61E+09	1.81E+09	2.10E+09	1.14E-03	305
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	5.97E+08	5.29E+08	1.21E+09	1.47E+09	2.06E+09	2.15E+09	2.35E+09	1.14E-03	305
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	3.62E+06	3.31E+06	7.09E+06	8.24E+06	1.13E+07	1.28E+07	2.24E+07	3.71E-04	279
Total Center Ground Conc. (Bq/m2)	1.0000	1.73E+07	1.50E+07	3.31E+07	3.80E+07	5.15E+07	5.59E+07	1.05E+08	3.71E-04	279
Ground-Level Dilution, X/Q (s/m3)	1.0000	3.31E-06	2.55E-06	7.44E-06	1.01E-05	1.21E-05	1.30E-05	1.42E-05	2.26E-03	374
Cs-137 Adjusted Source, Q (Bq)	1.0000	1.98E+14	2.00E+14	2.06E+14	2.09E+14	2.15E+14	2.18E+14	2.24E+14	1.15E-03	849
Plume Sigma-y (m)	1.0000	5.58E+02	4.90E+02	1.06E+03	****	****	****	1.08E+03	9.12E-02	2
Plume Sigma-z (m)	1.0000	5.66E+02	9.80E+01	3.00E+03	3.01E+03	3.04E+03	3.06E+03	3.06E+03	3.42E-03	342
Plume Height (m)	1.0000	5.00E+01	****	****	****	****	****	5.00E+01	1.00E+00	1
Plume Arrival Time (s)	1.0000	1.53E+05	1.09E+05	1.31E+05	1.43E+05	****	****	1.59E+05	2.02E-02	110
Source Term 1: Plume 1, at 4.8-5.6 km										
Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	4.44E+08	3.69E+08	9.45E+08	1.08E+09	1.34E+09	1.47E+09	1.80E+09	1.13E-03	696
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	4.84E+08	4.05E+08	1.01E+09	1.12E+09	1.43E+09	1.59E+09	1.99E+09	1.13E-03	696
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	2.86E+06	2.73E+06	5.67E+06	6.88E+06	8.76E+06	9.69E+06	1.40E+07	3.71E-04	279
Total Center Ground Conc. (Bq/m2)	1.0000	1.37E+07	1.14E+07	2.81E+07	3.18E+07	3.84E+07	4.17E+07	6.56E+07	3.71E-04	279
Ground-Level Dilution, X/Q (s/m3)	1.0000	2.76E-06	2.16E-06	6.24E-06	9.88E-06	1.15E-05	****	1.20E-05	6.27E-03	305
Cs-137 Adjusted Source, Q (Bq)	1.0000	1.94E+14	1.90E+14	2.06E+14	2.09E+14	2.15E+14	2.18E+14	2.24E+14	1.15E-03	849
Plume Sigma-y (m)	1.0000	6.29E+02	5.29E+02	****	****	****	****	1.25E+03	1.06E-01	2
Plume Sigma-z (m)	1.0000	6.79E+02	9.90E+01	3.03E+03	3.15E+03	3.46E+03	3.61E+03	3.78E+03	2.28E-03	344
Plume Height (m)	1.0000	5.00E+01	****	****	****	****	****	5.00E+01	1.00E+00	1
Plume Arrival Time (s)	1.0000	1.53E+05	1.09E+05	1.32E+05	1.44E+05	****	****	1.60E+05	2.02E-02	110

Source Term 1: Plume 1, at 5.6-8.1 km

Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	3.14E+08	2.75E+08	6.72E+08	8.27E+08	1.08E+09	1.14E+09	1.28E+09	1.13E-03	592	
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	3.37E+08	3.02E+08	7.36E+08	9.57E+08	1.14E+09	1.21E+09	1.39E+09	1.13E-03	592	
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	1.92E+06	1.91E+06	3.65E+06	4.33E+06	5.48E+06	5.83E+06	8.24E+06	3.23E-04	90	
Total Center Ground Conc. (Bq/m2)	1.0000	9.17E+06	9.13E+06	1.82E+07	2.14E+07	2.75E+07	3.04E+07	3.85E+07	3.23E-04	90	
Ground-Level Dilution, X/Q (s/m3)	1.0000	2.01E-06	1.39E-06	4.64E-06	6.46E-06	7.94E-06	8.44E-06	9.04E-06	2.27E-03	305	
Cs-137 Adjusted Source, Q (Bq)	1.0000	1.89E+14	1.69E+14	2.05E+14	2.08E+14	2.14E+14	2.17E+14	2.23E+14	1.15E-03	849	
Plume Sigma-y (m)	1.0000	7.68E+02	6.23E+02	1.11E+03	1.30E+03	****	****	1.57E+03	2.09E-02	62	
Plume Sigma-z (m)	1.0000	9.17E+02	1.90E+02	4.84E+03	5.07E+03	5.23E+03	5.30E+03	5.31E+03	4.56E-03	344	
Plume Height (m)	1.0000	5.00E+01	****	****	****	****	****	5.00E+01	1.00E+00	1	
Plume Arrival Time (s)	1.0000	1.54E+05	1.08E+05	1.30E+05	1.40E+05	****	****	1.63E+05	1.28E-02	110	

Source Term 1: Plume 1, at 8.1-11.3 km

Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	1.90E+08	1.48E+08	3.98E+08	5.00E+08	6.87E+08	7.41E+08	8.51E+08	1.14E-03	937	
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	2.00E+08	1.62E+08	4.19E+08	5.20E+08	7.17E+08	7.72E+08	9.03E+08	1.14E-03	937	
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	1.08E+06	1.02E+06	2.17E+06	2.63E+06	3.58E+06	3.98E+06	7.17E+06	1.14E-04	278	
Total Center Ground Conc. (Bq/m2)	1.0000	5.19E+06	5.11E+06	1.02E+07	1.14E+07	1.47E+07	1.64E+07	3.35E+07	1.14E-04	278	
Ground-Level Dilution, X/Q (s/m3)	1.0000	1.26E-06	1.00E-06	3.01E-06	3.81E-06	5.34E-06	5.66E-06	6.05E-06	2.28E-03	305	
Cs-137 Adjusted Source, Q (Bq)	1.0000	1.82E+14	1.57E+14	2.05E+14	2.07E+14	2.14E+14	2.17E+14	2.23E+14	1.15E-03	849	
Plume Sigma-y (m)	1.0000	1.00E+03	8.19E+02	1.97E+03	****	****	****	2.12E+03	8.48E-02	2	
Plume Sigma-z (m)	1.0000	1.36E+03	2.05E+02	6.57E+03	7.24E+03	7.88E+03	8.17E+03	8.21E+03	4.55E-03	213	
Plume Height (m)	1.0000	5.00E+01	****	****	****	****	****	5.00E+01	1.00E+00	1	
Plume Arrival Time (s)	1.0000	1.56E+05	1.08E+05	1.31E+05	1.42E+05	****	****	1.69E+05	1.14E-02	110	

Source Term 1: Plume 1, at 11.3-16.1 km

Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	1.11E+08	8.60E+07	2.38E+08	2.94E+08	3.66E+08	4.01E+08	4.86E+08	1.14E-03	316	
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	1.14E+08	8.70E+07	2.46E+08	3.03E+08	3.75E+08	4.11E+08	5.06E+08	1.14E-03	316	
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	5.92E+05	5.20E+05	1.15E+06	1.36E+06	1.98E+06	2.18E+06	4.04E+06	1.14E-04	327	
Total Center Ground Conc. (Bq/m2)	1.0000	2.83E+06	2.51E+06	5.70E+06	6.88E+06	8.80E+06	9.74E+06	1.88E+07	1.14E-04	327	
Ground-Level Dilution, X/Q (s/m3)	1.0000	7.69E-07	5.21E-07	1.74E-06	2.35E-06	3.34E-06	3.60E-06	3.91E-06	2.28E-03	305	
Cs-137 Adjusted Source, Q (Bq)	1.0000	1.75E+14	1.49E+14	2.04E+14	2.07E+14	2.13E+14	2.16E+14	2.22E+14	1.15E-03	849	
Plume Sigma-y (m)	1.0000	1.34E+03	1.02E+03	2.47E+03	****	****	****	2.87E+03	7.41E-02	2	
Plume Sigma-z (m)	1.0000	2.07E+03	3.03E+02	9.63E+03	1.07E+04	1.25E+04	****	1.28E+04	8.36E-03	50	
Plume Height (m)	1.0000	5.00E+01	****	****	****	****	****	5.00E+01	1.00E+00	1	
Plume Arrival Time (s)	1.0000	1.59E+05	1.07E+05	1.26E+05	1.35E+05	1.59E+05	1.70E+05	1.77E+05	3.40E-03	314	

Source Term 1: Plume 1, at 64.4-80.5 km

Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	5.65E+06	4.08E+06	1.11E+07	1.38E+07	2.18E+07	2.53E+07	3.08E+07	1.15E-03	410	
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	5.66E+06	4.08E+06	1.11E+07	1.39E+07	2.21E+07	2.55E+07	3.09E+07	1.15E-03	410	
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	3.11E+04	2.15E+04	6.29E+04	8.54E+04	1.45E+05	1.78E+05	3.62E+05	1.13E-03	120	
Total Center Ground Conc. (Bq/m2)	1.0000	1.47E+05	1.04E+05	3.05E+05	4.01E+05	6.73E+05	8.65E+05	1.67E+06	1.13E-03	120	
Ground-Level Dilution, X/Q (s/m3)	1.0000	4.55E-08	3.23E-08	9.84E-08	1.21E-07	1.95E-07	2.25E-07	3.10E-07	1.13E-03	516	
Cs-137 Adjusted Source, Q (Bq)	1.0000	1.36E+14	1.11E+14	1.56E+14	1.81E+14	2.03E+14	2.05E+14	2.10E+14	1.14E-03	800	
Plume Sigma-y (m)	1.0000	5.81E+03	5.21E+03	8.76E+03	1.02E+04	****	****	1.21E+04	1.20E-02	382	
Plume Sigma-z (m)	1.0000	8.65E+03	1.90E+03	3.00E+04	3.25E+04	3.90E+04	4.22E+04	5.06E+04	1.13E-03	1	
Plume Height (m)	1.0000	5.00E+01	****	****	****	****	****	5.00E+01	1.00E+00	1	
Plume Arrival Time (s)	1.0000	1.92E+05	1.53E+05	2.12E+05	2.20E+05	2.38E+05	2.47E+05	2.66E+05	1.13E-03	516	

Source Term 1: Plume 1, at 113-161 km

Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	2.09E+06	1.67E+06	3.66E+06	4.67E+06	6.87E+06	7.77E+06	1.00E+07	1.15E-03	721	
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	2.09E+06	1.67E+06	3.66E+06	4.67E+06	6.87E+06	7.77E+06	1.00E+07	1.15E-03	721	
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	1.16E+04	8.05E+03	2.26E+04	3.33E+04	5.95E+04	7.40E+04	1.11E+05	1.13E-03	74	
Total Center Ground Conc. (Bq/m2)	1.0000	5.44E+04	3.75E+04	1.05E+05	1.51E+05	2.63E+05	3.16E+05	5.13E+05	1.13E-03	74	
Ground-Level Dilution, X/Q (s/m3)	1.0000	1.96E-08	1.45E-08	3.58E-08	4.68E-08	7.33E-08	7.84E-08	9.08E-08	1.12E-03	549	
Cs-137 Adjusted Source, Q (Bq)	1.0000	1.16E+14	1.03E+14	1.22E+14	1.31E+14	1.55E+14	1.67E+14	1.95E+14	1.14E-03	800	
Plume Sigma-y (m)	1.0000	1.00E+04	9.17E+03	1.29E+04	1.46E+04	1.95E+04	****	2.10E+04	6.30E-03	382	
Plume Sigma-z (m)	1.0000	1.03E+04	2.73E+03	3.17E+04	3.67E+04	5.02E+04	5.14E+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	2.26E+05	2.09E+05	2.50E+05	2.69E+05	3.07E+05	3.16E+05	3.35E+05	1.14E-03	514	

"ATMOS" DESCRIPTION = OCP3 low density no spray
"EARLY" DESCRIPTION = OCP3 low density no spray, EARLY input
"CHRONC" DESCRIPTION = OCP3 low density no spray

SOURCE TERM 1 OF 1:
OCP3 low density no spray

OVERALL RESULTS OBTAINED BY COMBINING 6 EMERGENCY RESPONSE COHORTS FROM "EARLY" WITH THE WEIGHTING FRACTIONS BELOW APPLIED TO THEM:

	FRACTION OF THE PEOPLE

COHORT 1 = Group 1	0.300
COHORT 2 = Group 2	0.417
COHORT 3 = Group 3	0.006
COHORT 4 = Group 4	0.100
COHORT 5 = Group 5	0.172
COHORT 6 = Group 6	0.005

AND THEN MERGING THE 6 RESULTS ABOVE WITH THE SINGLE SET OF RESULTS FROM "CHRONC" DESCRIBED BELOW:

COHORT 7 = OCP3 low density no spray

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

		PROB	QUANTILES				PEAK	PEAK	PEAK		
		NON-ZERO MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL	
HEALTH EFFECTS CASES											
ERL FAT/TOTAL	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-80.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1609 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN INJ/TOTAL	0-16.1 km	1.0000	2.63E+01	2.41E+01	3.79E+01	4.31E+01	5.48E+01	5.92E+01	7.62E+01	1.12E-03	391
CAN INJ/TOTAL	0-32.2 km	1.0000	1.51E+02	1.24E+02	2.48E+02	2.90E+02	3.68E+02	4.06E+02	5.22E+02	1.12E-03	391
CAN INJ/TOTAL	0-48.3 km	1.0000	3.27E+02	2.98E+02	5.42E+02	6.14E+02	7.75E+02	8.40E+02	1.07E+03	1.12E-03	391
CAN INJ/TOTAL	0-64.4 km	1.0000	5.65E+02	4.86E+02	9.83E+02	1.17E+03	1.75E+03	2.08E+03	3.03E+03	1.15E-03	311
CAN INJ/TOTAL	0-80.5 km	1.0000	7.45E+02	6.56E+02	1.26E+03	1.55E+03	2.37E+03	2.76E+03	3.88E+03	1.15E-03	311
CAN INJ/TOTAL	0-161 km	1.0000	1.51E+03	1.15E+03	2.83E+03	3.60E+03	5.36E+03	5.81E+03	6.89E+03	1.14E-03	118
CAN INJ/TOTAL	0-322 km	1.0000	2.24E+03	1.53E+03	4.66E+03	6.06E+03	9.38E+03	1.10E+04	1.52E+04	1.15E-03	711
CAN INJ/TOTAL	0-805 km	1.0000	2.63E+03	2.04E+03	5.35E+03	6.67E+03	9.73E+03	1.13E+04	1.54E+04	1.15E-03	711
CAN INJ/TOTAL	0-1609 km	1.0000	2.70E+03	2.10E+03	5.43E+03	6.69E+03	9.73E+03	1.13E+04	1.54E+04	1.15E-03	711
CAN FAT/TOTAL	0-16.1 km	1.0000	1.18E+01	1.06E+01	1.63E+01	1.97E+01	2.46E+01	2.70E+01	3.33E+01	1.12E-03	391
CAN FAT/TOTAL	0-32.2 km	1.0000	6.66E+01	5.74E+01	1.09E+02	1.19E+02	1.49E+02	1.63E+02	2.28E+02	1.12E-03	391
CAN FAT/TOTAL	0-48.3 km	1.0000	1.44E+02	1.19E+02	2.34E+02	2.74E+02	3.51E+02	3.85E+02	4.68E+02	1.12E-03	391
CAN FAT/TOTAL	0-64.4 km	1.0000	2.48E+02	2.14E+02	4.28E+02	5.35E+02	7.99E+02	9.28E+02	1.33E+03	1.15E-03	311
CAN FAT/TOTAL	0-80.5 km	1.0000	3.26E+02	2.88E+02	5.68E+02	7.15E+02	1.05E+03	1.23E+03	1.70E+03	1.15E-03	311

CAN FAT/TOTAL	0-161 km	1.0000	6.59E+02	5.16E+02	1.25E+03	1.65E+03	2.30E+03	2.50E+03	3.02E+03	1.14E-03	118
CAN FAT/TOTAL	0-322 km	1.0000	9.77E+02	7.03E+02	2.01E+03	2.66E+03	4.25E+03	5.08E+03	6.67E+03	1.15E-03	711
CAN FAT/TOTAL	0-805 km	1.0000	1.14E+03	8.78E+02	2.29E+03	2.88E+03	4.31E+03	5.08E+03	6.75E+03	1.15E-03	711
CAN FAT/TOTAL	0-1609 km	1.0000	1.18E+03	9.13E+02	2.31E+03	2.88E+03	4.31E+03	5.08E+03	6.75E+03	1.15E-03	711
CAN FAT/THYROID	0-16.1 km	1.0000	6.69E-02	6.19E-02	1.00E-01	1.12E-01	1.43E-01	1.59E-01	2.05E-01	1.12E-03	391
CAN FAT/THYROID	0-80.5 km	1.0000	2.02E+00	1.65E+00	3.48E+00	4.30E+00	6.10E+00	6.91E+00	1.06E+01	1.15E-03	311
CAN FAT/THYROID	0-161 km	1.0000	4.07E+00	3.15E+00	7.70E+00	9.92E+00	1.30E+01	1.46E+01	1.87E+01	1.14E-03	118
CAN FAT/THYROID	0-1609 km	1.0000	7.18E+00	5.46E+00	1.38E+01	1.79E+01	2.64E+01	3.05E+01	4.20E+01	1.15E-03	711
CAN FAT/BREAST	0-16.1 km	1.0000	9.82E-01	9.25E-01	1.34E+00	1.54E+00	2.08E+00	2.29E+00	2.81E+00	1.12E-03	391
CAN FAT/BREAST	0-80.5 km	1.0000	3.02E+01	2.56E+01	5.21E+01	6.63E+01	9.07E+01	1.04E+02	1.62E+02	1.15E-03	311
CAN FAT/BREAST	0-161 km	1.0000	6.05E+01	4.54E+01	1.15E+02	1.45E+02	2.18E+02	2.39E+02	2.90E+02	1.14E-03	118
CAN FAT/BREAST	0-1609 km	1.0000	1.04E+02	7.77E+01	2.10E+02	2.74E+02	4.27E+02	5.07E+02	6.53E+02	1.15E-03	711
CAN FAT/LUNG	0-16.1 km	1.0000	1.91E+00	1.72E+00	2.81E+00	3.19E+00	4.03E+00	4.45E+00	5.57E+00	1.12E-03	391
CAN FAT/LUNG	0-80.5 km	1.0000	5.79E+01	5.08E+01	1.00E+02	1.17E+02	1.68E+02	1.97E+02	3.07E+02	1.15E-03	311
CAN FAT/LUNG	0-161 km	1.0000	1.17E+02	8.89E+01	2.24E+02	2.87E+02	4.04E+02	4.64E+02	5.46E+02	1.14E-03	118
CAN FAT/LUNG	0-1609 km	1.0000	2.05E+02	1.46E+02	4.03E+02	5.19E+02	7.98E+02	9.75E+02	1.23E+03	1.15E-03	711
CAN FAT/LEUKEMIA	0-1609 km	1.0000	1.24E+02	9.87E+01	2.44E+02	3.08E+02	4.52E+02	5.27E+02	7.12E+02	1.15E-03	711
CAN FAT/BONE	0-1609 km	1.0000	3.02E+00	2.26E+00	5.98E+00	7.52E+00	1.12E+01	1.30E+01	1.78E+01	1.15E-03	711
CAN FAT/LIVER	0-1609 km	1.0000	3.03E+01	2.28E+01	5.98E+01	7.41E+01	1.10E+02	1.28E+02	1.76E+02	1.15E-03	711
CAN FAT/COLON	0-1609 km	1.0000	2.24E+02	1.71E+02	4.39E+02	5.45E+02	8.08E+02	9.76E+02	1.25E+03	1.15E-03	711
CAN FAT/RESIDUAL	0-1609 km	1.0000	4.78E+02	3.56E+02	9.65E+02	1.16E+03	1.72E+03	2.03E+03	2.67E+03	1.15E-03	711

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

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

	PROB		QUANTILES				PEAK	PEAK	PEAK		
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL	
POPULATION DOSE (Sv)											
L-ICRP60ED TOT LIF	0-16.1 km	1.0000	2.87E+02	2.76E+02	3.96E+02	4.51E+02	5.54E+02	5.93E+02	6.86E+02	1.13E-03	247
L-ICRP60ED TOT LIF	0-80.5 km	1.0000	6.27E+03	5.44E+03	1.05E+04	1.24E+04	1.84E+04	2.16E+04	3.26E+04	1.15E-03	311
L-ICRP60ED TOT LIF	0-161 km	1.0000	1.25E+04	9.65E+03	2.38E+04	3.09E+04	4.56E+04	5.13E+04	5.79E+04	1.14E-03	118
L-ICRP60ED TOT LIF	0-1609 km	1.0000	2.22E+04	1.65E+04	4.37E+04	5.47E+04	8.35E+04	1.01E+05	1.30E+05	1.15E-03	711

	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	1.72E-04	1.46E-04	2.53E-04	2.92E-04	3.60E-04	3.93E-04	4.73E-04	1.12E-03	391
CAN FAT/TOTAL	0-32.2 km	1.0000	1.17E-04	1.01E-04	2.06E-04	2.28E-04	2.87E-04	3.13E-04	3.67E-04	1.12E-03	391
CAN FAT/TOTAL	0-48.3 km	1.0000	8.57E-05	7.45E-05	1.31E-04	1.55E-04	2.09E-04	2.23E-04	2.54E-04	1.12E-03	391
CAN FAT/TOTAL	0-64.4 km	1.0000	6.04E-05	5.13E-05	1.07E-04	1.32E-04	2.09E-04	2.35E-04	3.56E-04	1.15E-03	311
CAN FAT/TOTAL	0-80.5 km	1.0000	5.02E-05	4.14E-05	9.00E-05	1.10E-04	1.65E-04	1.96E-04	2.84E-04	1.15E-03	311
CAN FAT/TOTAL	0-161 km	1.0000	2.84E-05	2.09E-05	5.82E-05	7.50E-05	1.09E-04	1.20E-04	1.47E-04	1.14E-03	118
CAN FAT/TOTAL	0-322 km	1.0000	1.61E-05	1.00E-05	3.64E-05	5.12E-05	8.26E-05	1.02E-04	1.32E-04	1.15E-03	711
CAN FAT/TOTAL	0-805 km	1.0000	7.79E-06	5.09E-06	1.71E-05	2.29E-05	3.68E-05	4.49E-05	5.93E-05	1.15E-03	711
CAN FAT/TOTAL	0-1609 km	1.0000	4.45E-06	2.89E-06	9.67E-06	1.23E-05	2.06E-05	2.46E-05	3.35E-05	1.15E-03	711
CAN FAT/TOTAL	16.1-32.2 km	1.0000	1.11E-04	9.00E-05	2.07E-04	2.31E-04	2.98E-04	3.16E-04	3.56E-04	1.12E-03	391
CAN FAT/TOTAL	32.2-48.3 km	1.0000	7.02E-05	6.24E-05	1.18E-04	1.35E-04	1.87E-04	2.08E-04	2.49E-04	1.15E-03	311
CAN FAT/TOTAL	48.3-64.4 km	1.0000	4.35E-05	2.58E-05	1.03E-04	1.36E-04	2.34E-04	2.76E-04	4.42E-04	1.15E-03	311
CAN FAT/TOTAL	64.4-80.5 km	1.0000	3.25E-05	2.33E-05	7.17E-05	9.10E-05	1.25E-04	1.41E-04	1.81E-04	1.13E-03	714
CAN FAT/TOTAL	80.5-161 km	1.0000	1.95E-05	9.50E-06	5.02E-05	6.87E-05	1.13E-04	1.30E-04	1.75E-04	1.14E-03	118
CAN FAT/TOTAL	161-322 km	1.0000	8.24E-06	1.98E-06	2.45E-05	3.93E-05	7.55E-05	1.07E-04	1.52E-04	1.15E-03	711
CAN FAT/TOTAL	322-805 km	0.9920	1.12E-06	7.21E-07	2.80E-06	3.52E-06	5.26E-06	5.77E-06	8.83E-06	1.14E-03	400
CAN FAT/TOTAL	805-1609 km	0.9071	1.19E-07	6.56E-10	3.71E-07	7.50E-07	1.70E-06	2.07E-06	2.47E-06	1.14E-03	825

	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	6.00E-02	5.14E-02	5.56E-02	5.76E-02	6.24E-02	6.45E-02	6.94E-02	1.14E-03	315
L-ICRP60ED	0.2-0.5 km	1.0000	6.27E-02	5.14E-02	5.50E-02	5.66E-02	6.05E-02	6.23E-02	6.70E-02	8.56E-04	292
L-ICRP60ED	0.5-1.2 km	1.0000	6.14E-02	5.13E-02	5.50E-02	5.66E-02	6.06E-02	6.24E-02	6.65E-02	1.12E-03	759
L-ICRP60ED	1.2-1.6 km	1.0000	5.95E-02	5.12E-02	5.48E-02	5.65E-02	6.05E-02	6.23E-02	6.64E-02	1.13E-03	286
L-ICRP60ED	1.6-2.1 km	1.0000	5.77E-02	5.11E-02	5.48E-02	5.65E-02	6.05E-02	6.24E-02	6.65E-02	1.13E-03	696
L-ICRP60ED	2.1-3.2 km	1.0000	5.41E-02	5.07E-02	5.44E-02	5.61E-02	6.02E-02	6.20E-02	6.62E-02	1.14E-03	947
L-ICRP60ED	3.2-4.0 km	1.0000	5.05E-02	5.03E-02	5.41E-02	5.58E-02	6.00E-02	6.19E-02	6.62E-02	1.14E-03	166
L-ICRP60ED	4.0-4.8 km	1.0000	4.66E-02	4.58E-02	5.36E-02	5.54E-02	5.98E-02	6.18E-02	6.62E-02	1.14E-03	978
L-ICRP60ED	4.8-5.6 km	1.0000	4.32E-02	3.95E-02	5.26E-02	5.43E-02	5.84E-02	6.02E-02	6.62E-02	5.99E-04	683
L-ICRP60ED	5.6-8.1 km	1.0000	3.73E-02	3.35E-02	5.04E-02	5.25E-02	5.78E-02	6.02E-02	6.57E-02	1.13E-03	394
L-ICRP60ED	8.1-11.3 km	1.0000	3.14E-02	3.04E-02	3.84E-02	4.25E-02	5.09E-02	5.23E-02	5.98E-02	1.52E-04	326
L-ICRP60ED	11.3-16.1 km	1.0000	2.79E-02	2.51E-02	3.30E-02	3.50E-02	4.01E-02	4.25E-02	4.83E-02	1.12E-03	296
L-ICRP60ED	16.1-20.9 km	1.0000	2.87E-02	2.70E-02	3.37E-02	3.57E-02	4.09E-02	4.33E-02	4.91E-02	1.12E-03	296
L-ICRP60ED	20.9-25.8 km	1.0000	2.68E-02	2.40E-02	3.20E-02	3.36E-02	3.77E-02	3.96E-02	4.40E-02	1.12E-03	296
L-ICRP60ED	25.8-32.2 km	1.0000	2.50E-02	2.23E-02	3.03E-02	3.13E-02	3.38E-02	3.49E-02	3.75E-02	1.15E-03	695
L-ICRP60ED	32.2-40.2 km	1.0000	2.26E-02	2.12E-02	2.89E-02	3.05E-02	3.20E-02	3.27E-02	3.65E-02	1.52E-04	94
L-ICRP60ED	40.2-48.3 km	1.0000	1.98E-02	2.01E-02	2.59E-02	2.88E-02	3.21E-02	3.32E-02	3.58E-02	1.13E-03	359
L-ICRP60ED	48.3-64.4 km	1.0000	1.69E-02	1.52E-02	2.37E-02	2.58E-02	3.08E-02	3.23E-02	3.58E-02	1.13E-03	157
L-ICRP60ED	64.4-80.5 km	1.0000	1.32E-02	1.12E-02	2.19E-02	2.38E-02	2.88E-02	3.01E-02	3.07E-02	1.14E-03	328
L-ICRP60ED	80.5-113 km	1.0000	9.21E-03	7.17E-03	1.83E-02	2.10E-02	2.44E-02	2.61E-02	3.04E-02	1.13E-03	479
L-ICRP60ED	113-161 km	1.0000	5.99E-03	4.24E-03	1.17E-02	1.50E-02	2.12E-02	2.23E-02	2.91E-02	1.14E-04	88
L-ICRP60ED	161-241 km	1.0000	3.20E-03	2.34E-03	6.40E-03	8.53E-03	1.44E-02	1.78E-02	2.50E-02	1.14E-03	458
L-ICRP60ED	241-322 km	1.0000	1.75E-03	1.21E-03	3.53E-03	5.06E-03	7.95E-03	9.33E-03	1.48E-02	1.13E-03	317
L-ICRP60ED	322-563 km	1.0000	8.09E-04	6.30E-04	1.58E-03	2.10E-03	3.16E-03	3.66E-03	5.02E-03	1.13E-03	314
L-ICRP60ED	563-805 km	1.0000	5.13E-04	3.19E-04	1.14E-03	1.38E-03	2.08E-03	2.30E-03	2.87E-03	1.15E-03	508
L-ICRP60ED	805-1609 km	1.0000	1.06E-04	6.54E-05	2.69E-04	3.26E-04	4.39E-04	4.99E-04	7.61E-04	3.04E-04	633

	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	1.69E+04	1.44E+04	2.54E+04	2.95E+04	3.49E+04	3.73E+04	4.32E+04	1.14E-03	936
AREA (ha) THAT EXCEEDS THRESHOLD											
Cs-137 Area exceeds 1.85E+05 Bq/m2		1.0000	1.27E+04	1.09E+04	1.79E+04	2.07E+04	2.42E+04	2.59E+04	3.45E+04	1.12E-03	391
AREA (ha) THAT EXCEEDS THRESHOLD											
Cs-137 Area exceeds 5.55E+05 Bq/m2		1.0000	9.48E+03	8.69E+03	1.25E+04	1.41E+04	1.83E+04	2.02E+04	2.40E+04	1.14E-04	78
AREA (ha) THAT EXCEEDS THRESHOLD											
Cs-137 Area exceeds 1.48E+06 Bq/m2		1.0000	6.18E+03	5.76E+03	1.03E+04	1.09E+04	1.24E+04	1.31E+04	1.79E+04	1.14E-04	80
AREA (ha) THAT EXCEEDS THRESHOLD											

Cs-137 Area exceeds 3.70E+04 Bq/m2 1.0000 2.16E+05 2.01E+05 3.21E+05 3.59E+05 4.66E+05 5.12E+05 5.85E+05 1.11E-03 392
AREA (ha) THAT EXCEEDS THRESHOLD
Cs-137 Area exceeds 1.85E+05 Bq/m2 1.0000 8.73E+04 7.89E+04 1.33E+05 1.56E+05 2.08E+05 2.20E+05 2.87E+05 1.52E-04 416
AREA (ha) THAT EXCEEDS THRESHOLD
Cs-137 Area exceeds 5.55E+05 Bq/m2 1.0000 3.23E+04 2.90E+04 5.92E+04 7.37E+04 1.02E+05 1.05E+05 1.26E+05 1.43E-04 10
AREA (ha) THAT EXCEEDS THRESHOLD
Cs-137 Area exceeds 1.48E+06 Bq/m2 1.0000 1.12E+04 1.02E+04 2.09E+04 2.55E+04 3.60E+04 4.07E+04 6.73E+04 1.43E-04 76
AREA (ha) THAT EXCEEDS THRESHOLD
Cs-137 Area exceeds 3.70E+04 Bq/m2 1.0000 4.78E+05 4.13E+05 7.56E+05 8.96E+05 1.14E+06 1.23E+06 1.45E+06 1.14E-03 720
AREA (ha) THAT EXCEEDS THRESHOLD
Cs-137 Area exceeds 1.85E+05 Bq/m2 1.0000 1.12E+05 9.15E+04 2.08E+05 2.64E+05 3.58E+05 3.95E+05 4.88E+05 1.13E-03 320
AREA (ha) THAT EXCEEDS THRESHOLD
Cs-137 Area exceeds 5.55E+05 Bq/m2 1.0000 3.40E+04 2.95E+04 6.34E+04 8.39E+04 1.22E+05 1.37E+05 1.77E+05 1.14E-03 295
AREA (ha) THAT EXCEEDS THRESHOLD
Cs-137 Area exceeds 1.48E+06 Bq/m2 1.0000 1.12E+04 1.02E+04 2.10E+04 2.57E+04 3.62E+04 4.08E+04 6.73E+04 1.43E-04 76
AREA (ha) THAT EXCEEDS THRESHOLD
Cs-137 Area exceeds 3.70E+04 Bq/m2 1.0000 6.99E+05 5.89E+05 1.20E+06 1.43E+06 2.10E+06 2.35E+06 3.12E+06 1.14E-03 70
AREA (ha) THAT EXCEEDS THRESHOLD
Cs-137 Area exceeds 1.85E+05 Bq/m2 1.0000 1.16E+05 9.30E+04 2.20E+05 2.80E+05 3.63E+05 3.99E+05 4.88E+05 1.13E-03 320
AREA (ha) THAT EXCEEDS THRESHOLD
Cs-137 Area exceeds 5.55E+05 Bq/m2 1.0000 3.40E+04 2.95E+04 6.34E+04 8.39E+04 1.22E+05 1.37E+05 1.77E+05 1.14E-03 295
AREA (ha) THAT EXCEEDS THRESHOLD
Cs-137 Area exceeds 1.48E+06 Bq/m2 1.0000 1.12E+04 1.02E+04 2.10E+04 2.57E+04 3.62E+04 4.08E+04 6.73E+04 1.43E-04 76

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

"ATMOS" DESCRIPTION = OCP3 low density no spray
"EARLY" DESCRIPTION = OCP3 low density no spray, EARLY input

SOURCE TERM 1 OF 1:
OCP3 low density no spray

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

COHORT 1 = Group 1

		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	1.0000	3.49E+00	2.61E+00	7.10E+00	9.10E+00	1.24E+01	1.38E+01	1.74E+01	1.15E-03	324
CAN INJ/TOTAL	0-64.4 km	1.0000	7.03E+00	5.48E+00	1.32E+01	1.69E+01	3.02E+01	3.48E+01	6.14E+01	8.56E-04	303
CAN INJ/TOTAL	0-80.5 km	1.0000	9.39E+00	7.61E+00	1.79E+01	2.29E+01	3.51E+01	4.09E+01	6.90E+01	8.56E-04	303
CAN INJ/TOTAL	0-161 km	1.0000	1.84E+01	1.28E+01	3.74E+01	4.88E+01	7.38E+01	8.13E+01	1.08E+02	1.14E-03	548
CAN INJ/TOTAL	0-322 km	1.0000	2.72E+01	1.60E+01	6.34E+01	8.72E+01	1.38E+02	1.64E+02	2.08E+02	1.15E-03	711
CAN INJ/TOTAL	0-805 km	1.0000	2.97E+01	1.94E+01	7.11E+01	9.49E+01	1.42E+02	1.67E+02	2.11E+02	1.15E-03	711
CAN INJ/TOTAL	0-1609 km	1.0000	3.00E+01	1.99E+01	7.11E+01	9.49E+01	1.42E+02	1.67E+02	2.11E+02	1.15E-03	711
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	1.0000	1.61E+00	1.21E+00	3.26E+00	4.09E+00	6.81E+00	7.27E+00	7.99E+00	1.15E-03	681
CAN FAT/TOTAL	0-64.4 km	1.0000	3.24E+00	2.52E+00	6.41E+00	8.05E+00	1.28E+01	1.55E+01	2.83E+01	8.56E-04	303
CAN FAT/TOTAL	0-80.5 km	1.0000	4.32E+00	3.44E+00	8.37E+00	1.03E+01	1.44E+01	1.66E+01	3.19E+01	8.56E-04	303
CAN FAT/TOTAL	0-161 km	1.0000	8.46E+00	6.21E+00	1.75E+01	2.27E+01	3.38E+01	3.83E+01	5.00E+01	1.14E-03	548
CAN FAT/TOTAL	0-322 km	1.0000	1.26E+01	7.67E+00	2.99E+01	3.87E+01	6.58E+01	7.56E+01	9.58E+01	1.15E-03	711
CAN FAT/TOTAL	0-805 km	1.0000	1.37E+01	8.79E+00	3.17E+01	4.21E+01	6.85E+01	7.71E+01	9.72E+01	1.15E-03	711
CAN FAT/TOTAL	0-1609 km	1.0000	1.38E+01	9.05E+00	3.18E+01	4.22E+01	6.85E+01	7.71E+01	9.72E+01	1.15E-03	711
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	1.0000	2.53E-02	2.05E-02	4.90E-02	6.02E-02	9.42E-02	1.14E-01	1.86E-01	8.56E-04	303
CAN FAT/THYROID	0-161 km	1.0000	4.93E-02	3.57E-02	1.04E-01	1.26E-01	2.00E-01	2.25E-01	2.90E-01	1.14E-03	548
CAN FAT/THYROID	0-1609 km	1.0000	7.98E-02	5.26E-02	1.73E-01	2.36E-01	3.82E-01	4.55E-01	5.60E-01	1.15E-03	711
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	1.0000	2.93E-01	2.33E-01	5.72E-01	7.01E-01	1.12E+00	1.32E+00	2.12E+00	8.56E-04	303
CAN FAT/BREAST	0-161 km	1.0000	5.72E-01	4.12E-01	1.17E+00	1.47E+00	2.28E+00	2.59E+00	3.64E+00	1.14E-03	118
CAN FAT/BREAST	0-1609 km	1.0000	9.26E-01	6.10E-01	2.15E+00	2.90E+00	4.36E+00	5.11E+00	6.57E+00	1.15E-03	711
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	1.0000	8.36E-01	6.84E-01	1.54E+00	2.01E+00	3.03E+00	3.76E+00	6.14E+00	8.56E-04	303
CAN FAT/LUNG	0-161 km	1.0000	1.64E+00	1.18E+00	3.38E+00	4.25E+00	6.57E+00	7.54E+00	9.70E+00	1.14E-03	548
CAN FAT/LUNG	0-1609 km	1.0000	2.69E+00	1.67E+00	6.09E+00	8.23E+00	1.24E+01	1.42E+01	1.89E+01	1.15E-03	711
CAN FAT/LEUKEMIA	0-1609 km	1.0000	2.11E+00	1.32E+00	5.10E+00	6.67E+00	1.01E+01	1.13E+01	1.46E+01	1.15E-03	711
CAN FAT/BONE	0-1609 km	1.0000	6.14E-02	3.89E-02	1.34E-01	1.90E-01	2.95E-01	3.33E-01	4.27E-01	1.14E-03	548
CAN FAT/LIVER	0-1609 km	1.0000	3.01E-01	2.01E-01	6.88E-01	9.55E-01	1.42E+00	1.67E+00	2.12E+00	1.15E-03	711
CAN FAT/COLON	0-1609 km	1.0000	2.68E+00	1.66E+00	6.06E+00	8.21E+00	1.24E+01	1.42E+01	1.88E+01	1.15E-03	711
CAN FAT/RESIDUAL	0-1609 km	1.0000	5.00E+00	3.30E+00	1.11E+01	1.44E+01	2.35E+01	2.75E+01	3.52E+01	1.15E-03	711

		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	0.00E+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	0.00E+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	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	0.00E+00	0
L-ICRP60ED TOT LIF	0-80.5 km	1.0000	7.79E+01	6.28E+01	1.41E+02	1.80E+02	3.02E+02	3.48E+02	5.73E+02	8.56E-04	303
L-ICRP60ED TOT LIF	0-161 km	1.0000	1.52E+02	1.11E+02	3.19E+02	4.02E+02	6.14E+02	7.09E+02	8.94E+02	1.14E-03	548
L-ICRP60ED TOT LIF	0-1609 km	1.0000	2.48E+02	1.56E+02	5.67E+02	7.55E+02	1.15E+03	1.31E+03	1.75E+03	1.15E-03	711

		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	0.00E+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	1.0000	1.11E-06	8.46E-07	2.23E-06	2.85E-06	4.50E-06	5.09E-06	5.53E-06	1.15E-03	681
CAN FAT/TOTAL	0-64.4 km	1.0000	8.99E-07	7.12E-07	1.71E-06	2.24E-06	3.51E-06	4.09E-06	7.87E-06	8.56E-04	303
CAN FAT/TOTAL	0-80.5 km	1.0000	7.62E-07	6.13E-07	1.38E-06	1.74E-06	2.82E-06	3.34E-06	5.62E-06	8.56E-04	303
CAN FAT/TOTAL	0-161 km	1.0000	4.32E-07	3.20E-07	9.18E-07	1.14E-06	1.71E-06	2.02E-06	2.55E-06	1.14E-03	548
CAN FAT/TOTAL	0-322 km	1.0000	2.51E-07	1.45E-07	5.87E-07	7.81E-07	1.21E-06	1.40E-06	1.91E-06	1.15E-03	711

CAN FAT/TOTAL	0-805 km	1.0000	1.22E-07	7.85E-08	2.83E-07	3.68E-07	5.89E-07	6.89E-07	8.62E-07	1.15E-03	711	
CAN FAT/TOTAL	0-1609 km	1.0000	6.92E-08	4.46E-08	1.49E-07	2.08E-07	3.09E-07	3.58E-07	4.86E-07	1.15E-03	711	
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	1.0000	1.67E-06	1.24E-06	3.31E-06	4.16E-06	7.06E-06	7.43E-06	8.28E-06	1.15E-03	681	
CAN FAT/TOTAL	48.3-64.4 km	1.0000	7.56E-07	4.60E-07	1.73E-06	2.38E-06	4.52E-06	5.59E-06	9.98E-06	8.56E-04	303	
CAN FAT/TOTAL	64.4-80.5 km	1.0000	5.24E-07	3.78E-07	1.13E-06	1.42E-06	2.23E-06	2.56E-06	3.40E-06	1.14E-03	548	
CAN FAT/TOTAL	80.5-161 km	1.0000	2.97E-07	1.39E-07	7.52E-07	1.04E-06	1.93E-06	2.20E-06	2.79E-06	1.14E-03	118	
CAN FAT/TOTAL	161-322 km	1.0000	1.35E-07	3.37E-08	4.53E-07	6.92E-07	1.13E-06	1.36E-06	2.03E-06	1.15E-03	711	
CAN FAT/TOTAL	322-805 km	0.9920	1.83E-08	1.21E-08	4.35E-08	5.64E-08	9.30E-08	1.07E-07	1.30E-07	1.15E-03	544	
CAN FAT/TOTAL	805-1609 km	0.9071	1.53E-09	8.11E-12	4.92E-09	9.44E-09	2.11E-08	2.31E-08	2.81E-08	1.14E-03	825	

		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	1.0000	8.19E-04	6.14E-04	1.55E-03	2.01E-03	2.93E-03	3.48E-03	5.01E-03	1.15E-03	324
L-ICRP60ED	40.2-48.3 km	1.0000	5.60E-04	4.28E-04	1.10E-03	1.36E-03	2.09E-03	2.25E-03	2.65E-03	1.15E-03	129
L-ICRP60ED	48.3-64.4 km	1.0000	3.67E-04	2.93E-04	7.11E-04	9.13E-04	1.31E-03	1.50E-03	2.10E-03	1.14E-03	723
L-ICRP60ED	64.4-80.5 km	1.0000	2.38E-04	1.87E-04	4.53E-04	5.86E-04	8.89E-04	1.05E-03	1.59E-03	1.14E-03	463
L-ICRP60ED	80.5-113 km	1.0000	1.46E-04	1.10E-04	2.75E-04	3.47E-04	5.39E-04	6.09E-04	9.65E-04	1.12E-03	321
L-ICRP60ED	113-161 km	1.0000	8.81E-05	7.08E-05	1.60E-04	2.05E-04	2.73E-04	3.10E-04	4.27E-04	1.15E-03	585
L-ICRP60ED	161-241 km	1.0000	4.84E-05	3.86E-05	9.21E-05	1.10E-04	1.52E-04	1.75E-04	2.22E-04	3.04E-04	640
L-ICRP60ED	241-322 km	1.0000	2.86E-05	2.29E-05	5.44E-05	6.80E-05	1.07E-04	1.21E-04	1.97E-04	3.04E-04	640
L-ICRP60ED	322-563 km	1.0000	1.39E-05	1.14E-05	2.55E-05	3.14E-05	4.40E-05	5.07E-05	8.79E-05	3.04E-04	638
L-ICRP60ED	563-805 km	1.0000	6.94E-06	5.65E-06	1.30E-05	1.63E-05	2.69E-05	3.10E-05	4.39E-05	1.52E-04	507
L-ICRP60ED	805-1609 km	1.0000	1.43E-06	9.05E-07	3.54E-06	4.40E-06	5.94E-06	6.56E-06	1.31E-05	3.04E-04	633

		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 = OCP3 low density no spray
"EARLY" DESCRIPTION = OCP3 low density no spray, EARLY input

SOURCE TERM 1 OF 1:
OCP3 low density no spray

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

COHORT 2 = Group 2

		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	1.0000	4.12E+00	2.99E+00	8.75E+00	1.12E+01	1.68E+01	2.00E+01	2.54E+01	1.13E-03	135
CAN INJ/TOTAL	0-48.3 km	1.0000	7.65E+00	5.84E+00	1.43E+01	1.92E+01	3.02E+01	3.28E+01	3.90E+01	1.13E-03	135
CAN INJ/TOTAL	0-64.4 km	1.0000	1.12E+01	8.89E+00	2.15E+01	2.68E+01	3.75E+01	4.25E+01	6.94E+01	8.56E-04	303
CAN INJ/TOTAL	0-80.5 km	1.0000	1.36E+01	1.09E+01	2.50E+01	3.09E+01	4.55E+01	5.25E+01	7.71E+01	8.56E-04	303
CAN INJ/TOTAL	0-161 km	1.0000	2.27E+01	1.81E+01	4.27E+01	5.39E+01	7.55E+01	8.26E+01	1.11E+02	1.14E-03	548
CAN INJ/TOTAL	0-322 km	1.0000	3.17E+01	2.18E+01	6.86E+01	9.18E+01	1.40E+02	1.66E+02	2.11E+02	1.15E-03	711
CAN INJ/TOTAL	0-805 km	1.0000	3.42E+01	2.43E+01	7.45E+01	9.72E+01	1.50E+02	1.81E+02	2.14E+02	1.15E-03	711
CAN INJ/TOTAL	0-1609 km	1.0000	3.45E+01	2.47E+01	7.45E+01	9.72E+01	1.50E+02	1.81E+02	2.14E+02	1.15E-03	711
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	1.0000	1.88E+00	1.30E+00	3.89E+00	5.28E+00	7.59E+00	8.28E+00	1.16E+01	1.13E-03	135
CAN FAT/TOTAL	0-48.3 km	1.0000	3.49E+00	2.67E+00	7.18E+00	8.70E+00	1.22E+01	1.37E+01	1.79E+01	1.13E-03	135
CAN FAT/TOTAL	0-64.4 km	1.0000	5.13E+00	3.99E+00	9.39E+00	1.13E+01	1.64E+01	1.93E+01	3.17E+01	8.56E-04	303
CAN FAT/TOTAL	0-80.5 km	1.0000	6.22E+00	5.15E+00	1.12E+01	1.34E+01	2.01E+01	2.25E+01	3.53E+01	8.56E-04	303
CAN FAT/TOTAL	0-161 km	1.0000	1.04E+01	8.42E+00	1.99E+01	2.43E+01	3.47E+01	3.90E+01	5.09E+01	1.14E-03	548
CAN FAT/TOTAL	0-322 km	1.0000	1.45E+01	1.00E+01	3.15E+01	4.13E+01	6.84E+01	7.69E+01	9.65E+01	1.15E-03	711
CAN FAT/TOTAL	0-805 km	1.0000	1.56E+01	1.12E+01	3.31E+01	4.32E+01	6.86E+01	7.73E+01	9.79E+01	1.15E-03	711
CAN FAT/TOTAL	0-1609 km	1.0000	1.58E+01	1.14E+01	3.32E+01	4.32E+01	6.86E+01	7.73E+01	9.79E+01	1.15E-03	711
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	1.0000	5.14E-02	4.11E-02	9.27E-02	1.09E-01	1.48E-01	1.68E-01	2.95E-01	8.56E-04	303
CAN FAT/THYROID	0-161 km	1.0000	8.51E-02	6.83E-02	1.56E-01	2.03E-01	2.92E-01	3.32E-01	4.30E-01	1.14E-03	548
CAN FAT/THYROID	0-1609 km	1.0000	1.27E-01	9.12E-02	2.58E-01	3.37E-01	5.41E-01	6.39E-01	7.81E-01	1.15E-03	711
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	1.0000	4.19E-01	3.40E-01	7.71E-01	9.48E-01	1.29E+00	1.46E+00	2.34E+00	8.56E-04	303
CAN FAT/BREAST	0-161 km	1.0000	6.98E-01	5.63E-01	1.26E+00	1.56E+00	2.36E+00	2.73E+00	3.70E+00	1.14E-03	118
CAN FAT/BREAST	0-1609 km	1.0000	1.05E+00	7.74E-01	2.25E+00	2.94E+00	4.38E+00	5.13E+00	6.60E+00	1.15E-03	711
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	1.0000	1.20E+00	1.00E+00	2.21E+00	2.67E+00	3.73E+00	4.23E+00	6.78E+00	8.56E-04	303
CAN FAT/LUNG	0-161 km	1.0000	2.00E+00	1.54E+00	3.71E+00	4.68E+00	6.64E+00	7.56E+00	9.86E+00	1.14E-03	548
CAN FAT/LUNG	0-1609 km	1.0000	3.05E+00	2.21E+00	6.34E+00	8.35E+00	1.24E+01	1.42E+01	1.90E+01	1.15E-03	711
CAN FAT/LEUKEMIA	0-1609 km	1.0000	2.39E+00	1.65E+00	5.12E+00	6.73E+00	1.01E+01	1.14E+01	1.47E+01	1.15E-03	711
CAN FAT/BONE	0-1609 km	1.0000	6.98E-02	5.00E-02	1.39E-01	1.93E-01	3.02E-01	3.38E-01	4.30E-01	1.14E-03	548
CAN FAT/LIVER	0-1609 km	1.0000	3.42E-01	2.46E-01	7.42E-01	9.71E-01	1.42E+00	1.67E+00	2.14E+00	1.15E-03	711
CAN FAT/COLON	0-1609 km	1.0000	3.04E+00	2.19E+00	6.30E+00	8.33E+00	1.24E+01	1.42E+01	1.89E+01	1.15E-03	711
CAN FAT/RESIDUAL	0-1609 km	1.0000	5.67E+00	4.00E+00	1.15E+01	1.46E+01	2.35E+01	2.75E+01	3.54E+01	1.15E-03	711

		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	0.00E+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	0.00E+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	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	1.0000	1.14E+02	9.37E+01	2.11E+02	2.53E+02	3.63E+02	4.17E+02	6.47E+02	8.56E-04 303
L-ICRP60ED TOT LIF	0-161 km	1.0000	1.90E+02	1.44E+02	3.53E+02	4.39E+02	6.59E+02	7.46E+02	9.29E+02	1.14E-03 548
L-ICRP60ED TOT LIF	0-1609 km	1.0000	2.88E+02	2.09E+02	5.99E+02	7.70E+02	1.15E+03	1.33E+03	1.79E+03	1.15E-03 711

	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	1.0000	3.93E-06	2.84E-06	8.03E-06	1.05E-05	1.42E-05	1.62E-05	2.43E-05	1.13E-03 135
CAN FAT/TOTAL	0-48.3 km	1.0000	2.42E-06	1.86E-06	4.90E-06	6.01E-06	9.20E-06	1.04E-05	1.24E-05	1.13E-03 135
CAN FAT/TOTAL	0-64.4 km	1.0000	1.42E-06	1.11E-06	2.63E-06	3.28E-06	5.08E-06	5.56E-06	8.82E-06	8.56E-04 303
CAN FAT/TOTAL	0-80.5 km	1.0000	1.10E-06	8.96E-07	2.04E-06	2.44E-06	3.56E-06	4.12E-06	6.23E-06	8.56E-04 303
CAN FAT/TOTAL	0-161 km	1.0000	5.29E-07	4.19E-07	1.01E-06	1.20E-06	1.80E-06	2.08E-06	2.60E-06	1.14E-03 548
CAN FAT/TOTAL	0-322 km	1.0000	2.89E-07	2.01E-07	6.09E-07	8.12E-07	1.24E-06	1.43E-06	1.93E-06	1.15E-03 711
CAN FAT/TOTAL	0-805 km	1.0000	1.39E-07	1.00E-07	3.03E-07	3.77E-07	6.05E-07	7.14E-07	8.68E-07	1.15E-03 711
CAN FAT/TOTAL	0-1609 km	1.0000	7.88E-08	5.68E-08	1.58E-07	2.14E-07	3.24E-07	3.70E-07	4.90E-07	1.15E-03 711
CAN FAT/TOTAL	16.1-32.2 km	1.0000	4.34E-06	3.11E-06	9.58E-06	1.19E-05	1.84E-05	2.12E-05	2.68E-05	1.13E-03 135
CAN FAT/TOTAL	32.2-48.3 km	1.0000	1.67E-06	1.25E-06	3.33E-06	4.20E-06	7.06E-06	7.43E-06	8.30E-06	1.15E-03 681
CAN FAT/TOTAL	48.3-64.4 km	1.0000	7.58E-07	4.61E-07	1.73E-06	2.39E-06	4.54E-06	5.59E-06	1.00E-05	8.56E-04 303
CAN FAT/TOTAL	64.4-80.5 km	1.0000	5.25E-07	3.78E-07	1.14E-06	1.42E-06	2.23E-06	2.56E-06	3.41E-06	1.14E-03 548
CAN FAT/TOTAL	80.5-161 km	1.0000	2.98E-07	1.40E-07	7.57E-07	1.04E-06	1.93E-06	2.20E-06	2.79E-06	1.14E-03 118
CAN FAT/TOTAL	161-322 km	1.0000	1.35E-07	3.38E-08	4.53E-07	6.92E-07	1.15E-06	1.37E-06	2.03E-06	1.15E-03 711
CAN FAT/TOTAL	322-805 km	0.9920	1.83E-08	1.21E-08	4.35E-08	5.64E-08	9.30E-08	1.07E-07	1.30E-07	1.15E-03 544
CAN FAT/TOTAL	805-1609 km	0.9071	1.53E-09	8.11E-12	4.92E-09	9.44E-09	2.11E-08	2.31E-08	2.81E-08	1.14E-03 825

	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
L-ICRP60ED	16.1-20.9 km	1.0000	2.84E-03	2.33E-03	5.83E-03	7.13E-03	8.18E-03	8.67E-03	9.85E-03	1.11E-03 312
L-ICRP60ED	20.9-25.8 km	1.0000	1.91E-03	1.42E-03	3.78E-03	4.84E-03	7.16E-03	7.95E-03	9.95E-03	1.13E-03 516
L-ICRP60ED	25.8-32.2 km	1.0000	1.27E-03	1.00E-03	2.57E-03	3.22E-03	4.73E-03	5.42E-03	7.50E-03	1.13E-03 517
L-ICRP60ED	32.2-40.2 km	1.0000	8.37E-04	6.34E-04	1.58E-03	2.04E-03	2.94E-03	3.48E-03	5.08E-03	1.15E-03 324
L-ICRP60ED	40.2-48.3 km	1.0000	5.72E-04	4.38E-04	1.12E-03	1.38E-03	2.09E-03	2.27E-03	2.71E-03	1.15E-03 129
L-ICRP60ED	48.3-64.4 km	1.0000	3.75E-04	3.01E-04	7.15E-04	9.38E-04	1.32E-03	1.51E-03	2.14E-03	1.14E-03 723
L-ICRP60ED	64.4-80.5 km	1.0000	2.43E-04	1.91E-04	4.62E-04	6.02E-04	8.96E-04	1.05E-03	1.61E-03	1.14E-03 463
L-ICRP60ED	80.5-113 km	1.0000	1.49E-04	1.13E-04	2.82E-04	3.55E-04	5.44E-04	6.12E-04	9.75E-04	1.12E-03 321
L-ICRP60ED	113-161 km	1.0000	8.99E-05	7.30E-05	1.64E-04	2.09E-04	2.97E-04	3.36E-04	4.36E-04	1.15E-03 585
L-ICRP60ED	161-241 km	1.0000	4.94E-05	3.91E-05	9.37E-05	1.11E-04	1.53E-04	1.75E-04	2.27E-04	3.04E-04 640
L-ICRP60ED	241-322 km	1.0000	2.92E-05	2.34E-05	5.51E-05	6.91E-05	1.07E-04	1.21E-04	2.02E-04	3.04E-04 640
L-ICRP60ED	322-563 km	1.0000	1.41E-05	1.16E-05	2.59E-05	3.17E-05	4.41E-05	5.07E-05	8.99E-05	3.04E-04 638
L-ICRP60ED	563-805 km	1.0000	7.05E-06	5.77E-06	1.31E-05	1.64E-05	2.69E-05	3.11E-05	4.47E-05	1.52E-04 507
L-ICRP60ED	805-1609 km	1.0000	1.45E-06	9.11E-07	3.58E-06	4.44E-06	5.99E-06	6.64E-06	1.33E-05	3.04E-04 632

	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 = OCP3 low density no spray
"EARLY" DESCRIPTION = OCP3 low density no spray, EARLY input

SOURCE TERM 1 OF 1:
OCP3 low density no spray

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

COHORT 3 = Group 3

	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	1.0000	2.22E+00	1.52E+00	4.93E+00	6.26E+00	9.76E+00	1.11E+01	1.41E+01	1.13E-03 135
CAN INJ/TOTAL	0-48.3 km	1.0000	4.11E+00	3.17E+00	8.04E+00	1.04E+01	1.54E+01	1.82E+01	2.18E+01	1.13E-03 135
CAN INJ/TOTAL	0-64.4 km	1.0000	6.02E+00	4.86E+00	1.13E+01	1.39E+01	2.12E+01	2.34E+01	3.80E+01	8.56E-04 303
CAN INJ/TOTAL	0-80.5 km	1.0000	7.30E+00	5.95E+00	1.31E+01	1.63E+01	2.33E+01	2.60E+01	4.24E+01	8.56E-04 303
CAN INJ/TOTAL	0-161 km	1.0000	1.22E+01	9.83E+00	2.31E+01	2.95E+01	4.02E+01	4.58E+01	6.28E+01	1.14E-03 548
CAN INJ/TOTAL	0-322 km	1.0000	1.72E+01	1.14E+01	3.59E+01	4.79E+01	7.72E+01	9.13E+01	1.16E+02	1.14E-03 576
CAN INJ/TOTAL	0-805 km	1.0000	1.86E+01	1.26E+01	3.80E+01	5.14E+01	8.28E+01	9.84E+01	1.17E+02	1.14E-03 548
CAN INJ/TOTAL	0-1609 km	1.0000	1.88E+01	1.28E+01	3.82E+01	5.14E+01	8.28E+01	9.84E+01	1.17E+02	1.14E-03 548
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	1.0000	1.04E+00	7.43E-01	2.16E+00	2.96E+00	4.69E+00	5.35E+00	6.63E+00	1.13E-03 135
CAN FAT/TOTAL	0-48.3 km	1.0000	1.92E+00	1.39E+00	3.68E+00	4.85E+00	7.32E+00	8.09E+00	1.02E+01	1.13E-03 135

CAN FAT/TOTAL	0-64.4 km	1.0000	2.82E+00	2.22E+00	5.44E+00	6.75E+00	1.01E+01	1.18E+01	1.78E+01	8.56E-04	303	
CAN FAT/TOTAL	0-80.5 km	1.0000	3.41E+00	2.78E+00	6.20E+00	7.62E+00	1.17E+01	1.35E+01	1.99E+01	8.56E-04	303	
CAN FAT/TOTAL	0-161 km	1.0000	5.71E+00	4.59E+00	1.08E+01	1.29E+01	1.94E+01	2.23E+01	2.94E+01	1.14E-03	548	
CAN FAT/TOTAL	0-322 km	1.0000	8.05E+00	5.48E+00	1.68E+01	2.31E+01	3.78E+01	4.53E+01	5.42E+01	1.14E-03	576	
CAN FAT/TOTAL	0-805 km	1.0000	8.71E+00	6.22E+00	1.87E+01	2.48E+01	3.88E+01	4.57E+01	5.50E+01	1.14E-03	548	
CAN FAT/TOTAL	0-1609 km	1.0000	8.78E+00	6.30E+00	1.88E+01	2.48E+01	3.88E+01	4.57E+01	5.50E+01	1.14E-03	548	
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	1.0000	1.96E-02	1.54E-02	3.60E-02	4.42E-02	5.96E-02	6.61E-02	1.14E-01	8.56E-04	303	
CAN FAT/THYROID	0-161 km	1.0000	3.27E-02	2.63E-02	6.29E-02	7.79E-02	1.13E-01	1.28E-01	1.68E-01	1.14E-03	548	
CAN FAT/THYROID	0-1609 km	1.0000	4.97E-02	3.53E-02	1.04E-01	1.29E-01	2.10E-01	2.65E-01	3.09E-01	1.14E-03	548	
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	1.0000	2.00E-01	1.57E-01	3.62E-01	4.40E-01	6.43E-01	7.37E-01	1.15E+00	8.56E-04	303	
CAN FAT/BREAST	0-161 km	1.0000	3.34E-01	2.69E-01	6.38E-01	7.93E-01	1.14E+00	1.29E+00	1.67E+00	1.14E-03	548	
CAN FAT/BREAST	0-1609 km	1.0000	5.11E-01	3.63E-01	1.07E+00	1.32E+00	2.16E+00	2.67E+00	3.18E+00	1.15E-03	711	
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	1.0000	6.71E-01	5.53E-01	1.22E+00	1.49E+00	2.23E+00	2.53E+00	3.88E+00	8.56E-04	303	
CAN FAT/LUNG	0-161 km	1.0000	1.12E+00	9.09E-01	2.15E+00	2.61E+00	3.57E+00	3.97E+00	5.80E+00	1.14E-03	548	
CAN FAT/LUNG	0-1609 km	1.0000	1.73E+00	1.21E+00	3.58E+00	4.84E+00	7.31E+00	8.95E+00	1.09E+01	1.14E-03	548	
CAN FAT/LEUKEMIA	0-1609 km	1.0000	1.46E+00	1.03E+00	3.16E+00	4.11E+00	6.86E+00	7.61E+00	9.26E+00	1.14E-03	548	
CAN FAT/BONE	0-1609 km	1.0000	4.37E-02	3.07E-02	9.33E-02	1.19E-01	1.96E-01	2.21E-01	2.78E-01	1.14E-03	548	
CAN FAT/LIVER	0-1609 km	1.0000	1.80E-01	1.24E-01	3.68E-01	4.90E-01	7.61E-01	9.08E-01	1.12E+00	1.14E-03	576	
CAN FAT/COLON	0-1609 km	1.0000	1.72E+00	1.20E+00	3.57E+00	4.84E+00	7.31E+00	8.95E+00	1.09E+01	1.14E-03	548	
CAN FAT/RESIDUAL	0-1609 km	1.0000	3.08E+00	2.18E+00	6.63E+00	8.70E+00	1.27E+01	1.45E+01	1.92E+01	1.14E-03	548	

	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	6.04E+01	5.08E+01	1.10E+02	1.28E+02	1.83E+02	2.12E+02	3.51E+02	8.56E-04	303
L-ICRP60ED TOT LIF	0-161 km	1.0000	1.01E+02	8.10E+01	1.93E+02	2.34E+02	3.38E+02	3.83E+02	5.19E+02	1.14E-03	548
L-ICRP60ED TOT LIF	0-1609 km	1.0000	1.55E+02	1.09E+02	3.25E+02	4.33E+02	6.88E+02	7.71E+02	9.67E+02	1.14E-03	548

	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	1.0000	2.17E-06	1.48E-06	4.77E-06	6.06E-06	9.74E-06	1.10E-05	1.38E-05	1.13E-03	135
CAN FAT/TOTAL	0-48.3 km	1.0000	1.33E-06	1.03E-06	2.67E-06	3.41E-06	5.16E-06	5.69E-06	7.08E-06	1.13E-03	135
CAN FAT/TOTAL	0-64.4 km	1.0000	7.83E-07	6.26E-07	1.44E-06	1.87E-06	2.50E-06	2.79E-06	4.95E-06	8.56E-04	303
CAN FAT/TOTAL	0-80.5 km	1.0000	6.02E-07	5.06E-07	1.08E-06	1.24E-06	1.71E-06	1.96E-06	3.50E-06	8.56E-04	303
CAN FAT/TOTAL	0-161 km	1.0000	2.91E-07	2.31E-07	5.61E-07	7.10E-07	1.02E-06	1.15E-06	1.50E-06	1.14E-03	548
CAN FAT/TOTAL	0-322 km	1.0000	1.61E-07	1.08E-07	3.47E-07	4.64E-07	7.10E-07	8.86E-07	1.08E-06	1.14E-03	576
CAN FAT/TOTAL	0-805 km	1.0000	7.72E-08	5.45E-08	1.57E-07	2.16E-07	3.31E-07	3.75E-07	4.88E-07	1.14E-03	548
CAN FAT/TOTAL	0-1609 km	1.0000	4.39E-08	3.13E-08	9.46E-08	1.20E-07	1.96E-07	2.20E-07	2.75E-07	1.14E-03	548
CAN FAT/TOTAL	16.1-32.2 km	1.0000	2.40E-06	1.68E-06	5.18E-06	6.80E-06	1.02E-05	1.16E-05	1.53E-05	1.13E-03	135
CAN FAT/TOTAL	32.2-48.3 km	1.0000	9.15E-07	7.12E-07	1.86E-06	2.36E-06	3.41E-06	3.80E-06	4.80E-06	1.15E-03	681
CAN FAT/TOTAL	48.3-64.4 km	1.0000	4.16E-07	2.49E-07	1.02E-06	1.33E-06	2.28E-06	2.72E-06	5.66E-06	8.56E-04	303
CAN FAT/TOTAL	64.4-80.5 km	1.0000	2.87E-07	2.12E-07	6.15E-07	7.85E-07	1.20E-06	1.40E-06	1.94E-06	1.14E-03	548
CAN FAT/TOTAL	80.5-161 km	1.0000	1.65E-07	7.75E-08	3.98E-07	5.81E-07	1.04E-06	1.17E-06	1.52E-06	1.14E-03	548
CAN FAT/TOTAL	161-322 km	1.0000	7.70E-08	1.88E-08	2.51E-07	3.77E-07	7.23E-07	8.42E-07	1.10E-06	1.15E-03	711
CAN FAT/TOTAL	322-805 km	0.9920	1.05E-08	7.49E-09	2.47E-08	3.20E-08	4.88E-08	5.79E-08	7.87E-08	1.15E-03	544
CAN FAT/TOTAL	805-1609 km	0.9071	8.20E-10	4.46E-12	2.63E-09	5.41E-09	1.09E-08	1.21E-08	1.52E-08	1.14E-03	725

	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	1.0000	1.55E-03	1.16E-03	3.10E-03	3.94E-03	5.84E-03	6.56E-03	7.49E-03	1.14E-03	305
L-ICRP60ED	20.9-25.8 km	1.0000	1.02E-03	8.14E-04	2.07E-03	2.68E-03	3.97E-03	4.61E-03	5.65E-03	1.13E-03	516
L-ICRP60ED	25.8-32.2 km	1.0000	6.82E-04	5.23E-04	1.34E-03	1.72E-03	2.47E-03	2.80E-03	4.29E-03	1.13E-03	517
L-ICRP60ED	32.2-40.2 km	1.0000	4.46E-04	3.32E-04	8.71E-04	1.07E-03	1.70E-03	2.05E-03	2.70E-03	1.13E-03	517
L-ICRP60ED	40.2-48.3 km	1.0000	3.03E-04	2.30E-04	6.09E-04	7.68E-04	1.10E-03	1.21E-03	1.48E-03	1.15E-03	129
L-ICRP60ED	48.3-64.4 km	1.0000	1.98E-04	1.44E-04	3.87E-04	5.04E-04	7.70E-04	9.12E-04	1.20E-03	1.14E-03	723
L-ICRP60ED	64.4-80.5 km	1.0000	1.27E-04	1.01E-04	2.46E-04	3.16E-04	5.02E-04	5.41E-04	6.34E-04	1.14E-03	463
L-ICRP60ED	80.5-113 km	1.0000	7.80E-05	6.20E-05	1.42E-04	1.89E-04	2.53E-04	2.82E-04	4.00E-04	1.12E-03	321
L-ICRP60ED	113-161 km	1.0000	4.76E-05	3.83E-05	8.59E-05	1.04E-04	1.38E-04	1.55E-04	2.28E-04	1.15E-03	585
L-ICRP60ED	161-241 km	1.0000	2.65E-05	2.18E-05	5.03E-05	5.94E-05	8.62E-05	1.00E-04	1.25E-04	3.04E-04	640
L-ICRP60ED	241-322 km	1.0000	1.61E-05	1.25E-05	3.04E-05	3.69E-05	6.29E-05	7.35E-05	1.16E-04	3.04E-04	640
L-ICRP60ED	322-563 km	1.0000	7.86E-06	6.66E-06	1.36E-05	1.70E-05	2.44E-05	2.77E-05	5.23E-05	3.04E-04	638
L-ICRP60ED	563-805 km	1.0000	3.69E-06	3.10E-06	7.12E-06	8.75E-06	1.52E-05	1.96E-05	2.61E-05	1.52E-04	507
L-ICRP60ED	805-1609 km	1.0000	7.61E-07	4.78E-07	1.90E-06	2.34E-06	3.35E-06	3.77E-06	7.42E-06	6.09E-04	633

	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	0.00E+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	0.00E+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	0.00E+00	0

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

"ATMOS" DESCRIPTION = OCP3 low density no spray

"EARLY" DESCRIPTION = OCP3 low density no spray, EARLY input

SOURCE TERM 1 OF 1:
OCP3 low density no spray

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

COHORT 4 = Group 4

	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	1.0000	4.12E+00	2.99E+00	8.75E+00	1.12E+01	1.68E+01	2.00E+01	2.54E+01	1.13E-03 135
CAN INJ/TOTAL	0-48.3 km	1.0000	7.65E+00	5.84E+00	1.43E+01	1.92E+01	3.02E+01	3.28E+01	3.90E+01	1.13E-03 135
CAN INJ/TOTAL	0-64.4 km	1.0000	1.12E+01	8.89E+00	2.15E+01	2.68E+01	3.75E+01	4.25E+01	6.94E+01	8.56E-04 303
CAN INJ/TOTAL	0-80.5 km	1.0000	1.36E+01	1.09E+01	2.50E+01	3.09E+01	4.55E+01	5.25E+01	7.71E+01	8.56E-04 303
CAN INJ/TOTAL	0-161 km	1.0000	2.27E+01	1.81E+01	4.27E+01	5.39E+01	7.55E+01	8.26E+01	1.11E+02	1.14E-03 548
CAN INJ/TOTAL	0-322 km	1.0000	3.17E+01	2.18E+01	6.86E+01	9.18E+01	1.40E+02	1.66E+02	2.11E+02	1.15E-03 711
CAN INJ/TOTAL	0-805 km	1.0000	3.42E+01	2.43E+01	7.45E+01	9.72E+01	1.50E+02	1.81E+02	2.14E+02	1.15E-03 711
CAN INJ/TOTAL	0-1609 km	1.0000	3.45E+01	2.47E+01	7.45E+01	9.72E+01	1.50E+02	1.81E+02	2.14E+02	1.15E-03 711
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	1.0000	1.88E+00	1.30E+00	3.89E+00	5.28E+00	7.59E+00	8.28E+00	1.16E+01	1.13E-03 135
CAN FAT/TOTAL	0-48.3 km	1.0000	3.49E+00	2.67E+00	7.18E+00	8.70E+00	1.22E+01	1.37E+01	1.79E+01	1.13E-03 135
CAN FAT/TOTAL	0-64.4 km	1.0000	5.13E+00	3.99E+00	9.39E+00	1.13E+01	1.64E+01	1.93E+01	3.17E+01	8.56E-04 303
CAN FAT/TOTAL	0-80.5 km	1.0000	6.22E+00	5.15E+00	1.12E+01	1.34E+01	2.01E+01	2.25E+01	3.53E+01	8.56E-04 303
CAN FAT/TOTAL	0-161 km	1.0000	1.04E+01	8.42E+00	1.99E+01	2.43E+01	3.47E+01	3.90E+01	5.09E+01	1.14E-03 548
CAN FAT/TOTAL	0-322 km	1.0000	1.45E+01	1.00E+01	3.15E+01	4.13E+01	6.84E+01	7.69E+01	9.65E+01	1.15E-03 711
CAN FAT/TOTAL	0-805 km	1.0000	1.56E+01	1.12E+01	3.31E+01	4.32E+01	6.86E+01	7.73E+01	9.79E+01	1.15E-03 711
CAN FAT/TOTAL	0-1609 km	1.0000	1.58E+01	1.14E+01	3.32E+01	4.32E+01	6.86E+01	7.73E+01	9.79E+01	1.15E-03 711
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	1.0000	5.14E-02	4.11E-02	9.27E-02	1.09E-01	1.48E-01	1.68E-01	2.95E-01	8.56E-04 303
CAN FAT/THYROID	0-161 km	1.0000	8.51E-02	6.83E-02	1.56E-01	2.03E-01	2.92E-01	3.32E-01	4.30E-01	1.14E-03 548
CAN FAT/THYROID	0-1609 km	1.0000	1.27E-01	9.12E-02	2.58E-01	3.37E-01	5.41E-01	6.39E-01	7.81E-01	1.15E-03 711
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	1.0000	4.19E-01	3.40E-01	7.71E-01	9.48E-01	1.29E+00	1.46E+00	2.34E+00	8.56E-04 303
CAN FAT/BREAST	0-161 km	1.0000	6.98E-01	5.63E-01	1.26E+00	1.56E+00	2.36E+00	2.73E+00	3.70E+00	1.14E-03 118
CAN FAT/BREAST	0-1609 km	1.0000	1.05E+00	7.74E-01	2.25E+00	2.94E+00	4.38E+00	5.13E+00	6.60E+00	1.15E-03 711
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	1.0000	1.20E+00	1.00E+00	2.21E+00	2.67E+00	3.73E+00	4.23E+00	6.78E+00	8.56E-04 303
CAN FAT/LUNG	0-161 km	1.0000	2.00E+00	1.54E+00	3.71E+00	4.68E+00	6.64E+00	7.56E+00	9.86E+00	1.14E-03 548
CAN FAT/LUNG	0-1609 km	1.0000	3.05E+00	2.21E+00	6.34E+00	8.35E+00	1.24E+01	1.42E+01	1.90E+01	1.15E-03 711
CAN FAT/LEUKEMIA	0-1609 km	1.0000	2.39E+00	1.65E+00	5.12E+00	6.73E+00	1.01E+01	1.14E+01	1.47E+01	1.15E-03 711
CAN FAT/BONE	0-1609 km	1.0000	6.98E-02	5.00E-02	1.39E-01	1.93E-01	3.02E-01	3.38E-01	4.30E-01	1.14E-03 548
CAN FAT/LIVER	0-1609 km	1.0000	3.42E-01	2.46E-01	7.42E-01	9.71E-01	1.42E+00	1.67E+00	2.14E+00	1.15E-03 711
CAN FAT/COLON	0-1609 km	1.0000	3.04E+00	2.19E+00	6.30E+00	8.33E+00	1.24E+01	1.42E+01	1.89E+01	1.15E-03 711
CAN FAT/RESIDUAL	0-1609 km	1.0000	5.67E+00	4.00E+00	1.15E+01	1.46E+01	2.35E+01	2.75E+01	3.54E+01	1.15E-03 711

	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	1.0000	1.14E+02	9.37E+01	2.11E+02	2.53E+02	3.63E+02	4.17E+02	6.47E+02	8.56E-04 303
L-ICRP60ED TOT LIF	0-161 km	1.0000	1.90E+02	1.44E+02	3.53E+02	4.39E+02	6.59E+02	7.46E+02	9.29E+02	1.14E-03 548
L-ICRP60ED TOT LIF	0-1609 km	1.0000	2.88E+02	2.09E+02	5.99E+02	7.70E+02	1.15E+03	1.33E+03	1.79E+03	1.15E-03 711

	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	1.0000	3.93E-06	2.84E-06	8.03E-06	1.05E-05	1.42E-05	1.62E-05	2.43E-05	1.13E-03 135
CAN FAT/TOTAL	0-48.3 km	1.0000	2.42E-06	1.86E-06	4.90E-06	6.01E-06	9.20E-06	1.04E-05	1.24E-05	1.13E-03 135
CAN FAT/TOTAL	0-64.4 km	1.0000	1.42E-06	1.11E-06	2.63E-06	3.28E-06	5.08E-06	5.56E-06	8.82E-06	8.56E-04 303
CAN FAT/TOTAL	0-80.5 km	1.0000	1.10E-06	8.96E-07	2.04E-06	2.44E-06	3.56E-06	4.12E-06	6.23E-06	8.56E-04 303
CAN FAT/TOTAL	0-161 km	1.0000	5.29E-07	4.19E-07	1.01E-06	1.20E-06	1.80E-06	2.08E-06	2.60E-06	1.14E-03 548
CAN FAT/TOTAL	0-322 km	1.0000	2.89E-07	2.01E-07	6.09E-07	8.12E-07	1.24E-06	1.43E-06	1.93E-06	1.15E-03 711
CAN FAT/TOTAL	0-805 km	1.0000	1.39E-07	1.00E-07	3.03E-07	3.77E-07	6.05E-07	7.14E-07	8.68E-07	1.15E-03 711
CAN FAT/TOTAL	0-1609 km	1.0000	7.88E-08	5.68E-08	1.58E-07	2.14E-07	3.24E-07	3.70E-07	4.90E-07	1.15E-03 711
CAN FAT/TOTAL	16.1-32.2 km	1.0000	4.34E-06	3.11E-06	9.58E-06	1.19E-05	1.84E-05	2.12E-05	2.68E-05	1.13E-03 135
CAN FAT/TOTAL	32.2-48.3 km	1.0000	1.67E-06	1.25E-06	3.33E-06	4.20E-06	7.06E-06	7.43E-06	8.30E-06	1.15E-03 681
CAN FAT/TOTAL	48.3-64.4 km	1.0000	7.58E-07	4.61E-07	1.73E-06	2.39E-06	4.54E-06	5.59E-06	1.00E-05	8.56E-04 303
CAN FAT/TOTAL	64.4-80.5 km	1.0000	5.25E-07	3.78E-07	1.14E-06	1.42E-06	2.23E-06	2.56E-06	3.41E-06	1.14E-03 548
CAN FAT/TOTAL	80.5-161 km	1.0000	2.98E-07	1.40E-07	7.57E-07	1.04E-06	1.93E-06	2.20E-06	2.79E-06	1.14E-03 118
CAN FAT/TOTAL	161-322 km	1.0000	1.35E-07	3.38E-08	4.53E-07	6.92E-07	1.15E-06	1.37E-06	2.03E-06	1.15E-03 711
CAN FAT/TOTAL	322-805 km	0.9920	1.83E-08	1.21E-08	4.35E-08	5.64E-08	9.30E-08	1.07E-07	1.30E-07	1.15E-03 544
CAN FAT/TOTAL	805-1609 km	0.9071	1.53E-09	8.11E-12	4.92E-09	9.44E-09	2.11E-08	2.31E-08	2.81E-08	1.14E-03 825

	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
L-ICRP60ED	16.1-20.9 km	1.0000	2.84E-03	2.33E-03	5.83E-03	7.13E-03	8.18E-03	8.67E-03	9.85E-03	1.11E-03 312
L-ICRP60ED	20.9-25.8 km	1.0000	1.91E-03	1.42E-03	3.78E-03	4.84E-03	7.16E-03	7.95E-03	9.95E-03	1.13E-03 516

L-ICRP60ED	25.8-32.2 km	1.0000	1.27E-03	1.00E-03	2.57E-03	3.22E-03	4.73E-03	5.42E-03	7.50E-03	1.13E-03	517
L-ICRP60ED	32.2-40.2 km	1.0000	8.37E-04	6.34E-04	1.58E-03	2.04E-03	2.94E-03	3.48E-03	5.08E-03	1.15E-03	324
L-ICRP60ED	40.2-48.3 km	1.0000	5.72E-04	4.38E-04	1.12E-03	1.38E-03	2.09E-03	2.27E-03	2.71E-03	1.15E-03	129
L-ICRP60ED	48.3-64.4 km	1.0000	3.75E-04	3.01E-04	7.15E-04	9.38E-04	1.32E-03	1.51E-03	2.14E-03	1.14E-03	723
L-ICRP60ED	64.4-80.5 km	1.0000	2.43E-04	1.91E-04	4.62E-04	6.02E-04	8.96E-04	1.05E-03	1.61E-03	1.14E-03	463
L-ICRP60ED	80.5-113 km	1.0000	1.49E-04	1.13E-04	2.82E-04	3.55E-04	5.44E-04	6.12E-04	9.75E-04	1.12E-03	321
L-ICRP60ED	113-161 km	1.0000	8.99E-05	7.30E-05	1.64E-04	2.09E-04	2.97E-04	3.36E-04	4.36E-04	1.15E-03	585
L-ICRP60ED	161-241 km	1.0000	4.94E-05	3.91E-05	9.37E-05	1.11E-04	1.53E-04	1.75E-04	2.27E-04	3.04E-04	640
L-ICRP60ED	241-322 km	1.0000	2.92E-05	2.34E-05	5.51E-05	6.91E-05	1.07E-04	1.21E-04	2.02E-04	3.04E-04	640
L-ICRP60ED	322-563 km	1.0000	1.41E-05	1.16E-05	2.59E-05	3.17E-05	4.41E-05	5.07E-05	8.99E-05	3.04E-04	638
L-ICRP60ED	563-805 km	1.0000	7.05E-06	5.77E-06	1.31E-05	1.64E-05	2.69E-05	3.11E-05	4.47E-05	1.52E-04	507
L-ICRP60ED	805-1609 km	1.0000	1.45E-06	9.11E-07	3.58E-06	4.44E-06	5.99E-06	6.64E-06	1.33E-05	3.04E-04	632

	PROB		QUANTILES				PEAK	PEAK	PEAK		
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL	
DOSE FOUND AT ALL LOCATIONS (Sv)											
AREA (ha) THAT EXCEEDS THRESHOLD											
L-ICRP60ED Area exceeds 1.00E-02 Sv	0.0000	0.00E+00	0.00E+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	0.00E+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	0.00E+00	0

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

"ATMOS" DESCRIPTION = OCP3 low density no spray
"EARLY" DESCRIPTION = OCP3 low density no spray, EARLY input

SOURCE TERM 1 OF 1:
OCP3 low density no spray

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

COHORT 5 = Group 5

	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	1.0000	4.12E+00	2.99E+00	8.75E+00	1.12E+01	1.68E+01	2.00E+01	2.54E+01	1.13E-03	135
CAN INJ/TOTAL	0-48.3 km	1.0000	7.65E+00	5.84E+00	1.43E+01	1.92E+01	3.02E+01	3.28E+01	3.90E+01	1.13E-03	135
CAN INJ/TOTAL	0-64.4 km	1.0000	1.12E+01	8.89E+00	2.15E+01	2.68E+01	3.75E+01	4.25E+01	6.94E+01	8.56E-04	303
CAN INJ/TOTAL	0-80.5 km	1.0000	1.36E+01	1.09E+01	2.50E+01	3.09E+01	4.55E+01	5.25E+01	7.71E+01	8.56E-04	303
CAN INJ/TOTAL	0-161 km	1.0000	2.27E+01	1.81E+01	4.27E+01	5.39E+01	7.55E+01	8.26E+01	1.11E+02	1.14E-03	548
CAN INJ/TOTAL	0-322 km	1.0000	3.17E+01	2.18E+01	6.86E+01	9.18E+01	1.40E+02	1.66E+02	2.11E+02	1.15E-03	711
CAN INJ/TOTAL	0-805 km	1.0000	3.42E+01	2.43E+01	7.45E+01	9.72E+01	1.50E+02	1.81E+02	2.14E+02	1.15E-03	711
CAN INJ/TOTAL	0-1609 km	1.0000	3.45E+01	2.47E+01	7.45E+01	9.72E+01	1.50E+02	1.81E+02	2.14E+02	1.15E-03	711
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	1.0000	1.88E+00	1.30E+00	3.89E+00	5.28E+00	7.59E+00	8.28E+00	1.16E+01	1.13E-03	135
CAN FAT/TOTAL	0-48.3 km	1.0000	3.49E+00	2.67E+00	7.18E+00	8.70E+00	1.22E+01	1.37E+01	1.79E+01	1.13E-03	135
CAN FAT/TOTAL	0-64.4 km	1.0000	5.13E+00	3.99E+00	9.39E+00	1.13E+01	1.64E+01	1.93E+01	3.17E+01	8.56E-04	303
CAN FAT/TOTAL	0-80.5 km	1.0000	6.22E+00	5.15E+00	1.12E+01	1.34E+01	2.01E+01	2.25E+01	3.53E+01	8.56E-04	303
CAN FAT/TOTAL	0-161 km	1.0000	1.04E+01	8.42E+00	1.99E+01	2.43E+01	3.47E+01	3.90E+01	5.09E+01	1.14E-03	548
CAN FAT/TOTAL	0-322 km	1.0000	1.45E+01	1.00E+01	3.15E+01	4.13E+01	6.84E+01	7.69E+01	9.65E+01	1.15E-03	711
CAN FAT/TOTAL	0-805 km	1.0000	1.56E+01	1.12E+01	3.31E+01	4.32E+01	6.86E+01	7.73E+01	9.79E+01	1.15E-03	711
CAN FAT/TOTAL	0-1609 km	1.0000	1.58E+01	1.14E+01	3.32E+01	4.32E+01	6.86E+01	7.73E+01	9.79E+01	1.15E-03	711
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	1.0000	5.14E-02	4.11E-02	9.27E-02	1.09E-01	1.48E-01	1.68E-01	2.95E-01	8.56E-04	303
CAN FAT/THYROID	0-161 km	1.0000	8.51E-02	6.83E-02	1.56E-01	2.03E-01	2.92E-01	3.32E-01	4.30E-01	1.14E-03	548
CAN FAT/THYROID	0-1609 km	1.0000	1.27E-01	9.12E-02	2.58E-01	3.37E-01	5.41E-01	6.39E-01	7.81E-01	1.15E-03	711
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	1.0000	4.19E-01	3.40E-01	7.71E-01	9.48E-01	1.29E+00	1.46E+00	2.34E+00	8.56E-04	303
CAN FAT/BREAST	0-161 km	1.0000	6.98E-01	5.63E-01	1.26E+00	1.56E+00	2.36E+00	2.73E+00	3.70E+00	1.14E-03	118
CAN FAT/BREAST	0-1609 km	1.0000	1.05E+00	7.74E-01	2.25E+00	2.94E+00	4.38E+00	5.13E+00	6.60E+00	1.15E-03	711
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	1.0000	1.20E+00	1.00E+00	2.21E+00	2.67E+00	3.73E+00	4.23E+00	6.78E+00	8.56E-04	303
CAN FAT/LUNG	0-161 km	1.0000	2.00E+00	1.54E+00	3.71E+00	4.68E+00	6.64E+00	7.56E+00	9.86E+00	1.14E-03	548
CAN FAT/LUNG	0-1609 km	1.0000	3.05E+00	2.21E+00	6.34E+00	8.35E+00	1.24E+01	1.42E+01	1.90E+01	1.15E-03	711
CAN FAT/LEUKEMIA	0-1609 km	1.0000	2.39E+00	1.65E+00	5.12E+00	6.73E+00	1.01E+01	1.14E+01	1.47E+01	1.15E-03	711
CAN FAT/BONE	0-1609 km	1.0000	6.98E-02	5.00E-02	1.39E-01	1.93E-01	3.02E-01	3.38E-01	4.30E-01	1.14E-03	548
CAN FAT/LIVER	0-1609 km	1.0000	3.42E-01	2.46E-01	7.42E-01	9.71E-01	1.42E+00	1.67E+00	2.14E+00	1.15E-03	711
CAN FAT/COLON	0-1609 km	1.0000	3.04E+00	2.19E+00	6.30E+00	8.33E+00	1.24E+01	1.42E+01	1.89E+01	1.15E-03	711
CAN FAT/RESIDUAL	0-1609 km	1.0000	5.67E+00	4.00E+00	1.15E+01	1.46E+01	2.35E+01	2.75E+01	3.54E+01	1.15E-03	711

	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	1.14E+02	9.37E+01	2.11E+02	2.53E+02	3.63E+02	4.17E+02	6.47E+02	8.56E-04	303
L-ICRP60ED TOT LIF	0-161 km	1.0000	1.90E+02	1.44E+02	3.53E+02	4.39E+02	6.59E+02	7.46E+02	9.29E+02	1.14E-03	548
L-ICRP60ED TOT LIF	0-1609 km	1.0000	2.88E+02	2.09E+02	5.99E+02	7.70E+02	1.15E+03	1.33E+03	1.79E+03	1.15E-03	711

	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	1.0000	3.93E-06	2.84E-06	8.03E-06	1.05E-05	1.42E-05	1.62E-05	2.43E-05	1.13E-03	135
CAN FAT/TOTAL	0-48.3 km	1.0000	2.42E-06	1.86E-06	4.90E-06	6.01E-06	9.20E-06	1.04E-05	1.24E-05	1.13E-03	135
CAN FAT/TOTAL	0-64.4 km	1.0000	1.42E-06	1.11E-06	2.63E-06	3.28E-06	5.08E-06	5.56E-06	8.82E-06	8.56E-04	303
CAN FAT/TOTAL	0-80.5 km	1.0000	1.10E-06	8.96E-07	2.04E-06	2.44E-06	3.56E-06	4.12E-06	6.23E-06	8.56E-04	303
CAN FAT/TOTAL	0-161 km	1.0000	5.29E-07	4.19E-07	1.01E-06	1.20E-06	1.80E-06	2.08E-06	2.60E-06	1.14E-03	548
CAN FAT/TOTAL	0-322 km	1.0000	2.89E-07	2.01E-07	6.09E-07	8.12E-07	1.24E-06	1.43E-06	1.93E-06	1.15E-03	711
CAN FAT/TOTAL	0-805 km	1.0000	1.39E-07	1.00E-07	3.03E-07	3.77E-07	6.05E-07	7.14E-07	8.68E-07	1.15E-03	711

CAN FAT/TOTAL	0-1609 km	1.0000	7.88E-08	5.68E-08	1.58E-07	2.14E-07	3.24E-07	3.70E-07	4.90E-07	1.15E-03	711
CAN FAT/TOTAL	16.1-32.2 km	1.0000	4.34E-06	3.11E-06	9.58E-06	1.19E-05	1.84E-05	2.12E-05	2.68E-05	1.13E-03	135
CAN FAT/TOTAL	32.2-48.3 km	1.0000	1.67E-06	1.25E-06	3.33E-06	4.20E-06	7.06E-06	7.43E-06	8.30E-06	1.15E-03	681
CAN FAT/TOTAL	48.3-64.4 km	1.0000	7.58E-07	4.61E-07	1.73E-06	2.39E-06	4.54E-06	5.59E-06	1.00E-05	8.56E-04	303
CAN FAT/TOTAL	64.4-80.5 km	1.0000	5.25E-07	3.78E-07	1.14E-06	1.42E-06	2.23E-06	2.56E-06	3.41E-06	1.14E-03	548
CAN FAT/TOTAL	80.5-161 km	1.0000	2.98E-07	1.40E-07	7.57E-07	1.04E-06	1.93E-06	2.20E-06	2.79E-06	1.14E-03	118
CAN FAT/TOTAL	161-322 km	1.0000	1.35E-07	3.38E-08	4.53E-07	6.92E-07	1.15E-06	1.37E-06	2.03E-06	1.15E-03	711
CAN FAT/TOTAL	322-805 km	0.9920	1.83E-08	1.21E-08	4.35E-08	5.64E-08	9.30E-08	1.07E-07	1.30E-07	1.15E-03	544
CAN FAT/TOTAL	805-1609 km	0.9071	1.53E-09	8.11E-12	4.92E-09	9.44E-09	2.11E-08	2.31E-08	2.81E-08	1.14E-03	825

		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	1.0000	2.84E-03	2.33E-03	5.83E-03	7.13E-03	8.18E-03	8.67E-03	9.85E-03	1.11E-03	312
L-ICRP60ED	20.9-25.8 km	1.0000	1.91E-03	1.42E-03	3.78E-03	4.84E-03	7.16E-03	7.95E-03	9.95E-03	1.13E-03	516
L-ICRP60ED	25.8-32.2 km	1.0000	1.27E-03	1.00E-03	2.57E-03	3.22E-03	4.73E-03	5.42E-03	7.50E-03	1.13E-03	517
L-ICRP60ED	32.2-40.2 km	1.0000	8.37E-04	6.34E-04	1.58E-03	2.04E-03	2.94E-03	3.48E-03	5.08E-03	1.15E-03	324
L-ICRP60ED	40.2-48.3 km	1.0000	5.72E-04	4.38E-04	1.12E-03	1.38E-03	2.09E-03	2.27E-03	2.71E-03	1.15E-03	129
L-ICRP60ED	48.3-64.4 km	1.0000	3.75E-04	3.01E-04	7.15E-04	9.38E-04	1.32E-03	1.51E-03	2.14E-03	1.14E-03	723
L-ICRP60ED	64.4-80.5 km	1.0000	2.43E-04	1.91E-04	4.62E-04	6.02E-04	8.96E-04	1.05E-03	1.61E-03	1.14E-03	463
L-ICRP60ED	80.5-113 km	1.0000	1.49E-04	1.13E-04	2.82E-04	3.55E-04	5.44E-04	6.12E-04	9.75E-04	1.12E-03	321
L-ICRP60ED	113-161 km	1.0000	8.99E-05	7.30E-05	1.64E-04	2.09E-04	2.97E-04	3.36E-04	4.36E-04	1.15E-03	585
L-ICRP60ED	161-241 km	1.0000	4.94E-05	3.91E-05	9.37E-05	1.11E-04	1.53E-04	1.75E-04	2.27E-04	3.04E-04	640
L-ICRP60ED	241-322 km	1.0000	2.92E-05	2.34E-05	5.51E-05	6.91E-05	1.07E-04	1.21E-04	2.02E-04	3.04E-04	640
L-ICRP60ED	322-563 km	1.0000	1.41E-05	1.16E-05	2.59E-05	3.17E-05	4.41E-05	5.07E-05	8.99E-05	3.04E-04	638
L-ICRP60ED	563-805 km	1.0000	7.05E-06	5.77E-06	1.31E-05	1.64E-05	2.69E-05	3.11E-05	4.47E-05	1.52E-04	507
L-ICRP60ED	805-1609 km	1.0000	1.45E-06	9.11E-07	3.58E-06	4.44E-06	5.99E-06	6.64E-06	1.33E-05	3.04E-04	632

		PROB		QUANTILES			PEAK	PEAK	PEAK		
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
DOSE FOUND AT ALL LOCATIONS (Sv)											
AREA (ha) THAT EXCEEDS THRESHOLD											
L-ICRP60ED Area exceeds	1.00E-02 Sv	0.0000	0.00E+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 = OCP3 low density no spray
"EARLY" DESCRIPTION = OCP3 low density no spray, EARLY input

SOURCE TERM 1 OF 1:
OCP3 low density no spray

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

COHORT 6 = Group 6

		PROB		QUANTILES			PEAK	PEAK	PEAK		
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
HEALTH EFFECTS CASES											
ERL FAT/TOTAL	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-80.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1609 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN INJ/TOTAL	0-16.1 km	1.0000	2.08E+00	1.83E+00	3.66E+00	4.44E+00	5.96E+00	6.61E+00	7.93E+00	1.14E-03	463
CAN INJ/TOTAL	0-32.2 km	1.0000	6.20E+00	5.21E+00	1.11E+01	1.34E+01	2.02E+01	2.24E+01	2.80E+01	1.13E-03	135
CAN INJ/TOTAL	0-48.3 km	1.0000	9.73E+00	8.13E+00	1.79E+01	2.21E+01	3.11E+01	3.41E+01	4.16E+01	1.13E-03	135
CAN INJ/TOTAL	0-64.4 km	1.0000	1.33E+01	1.09E+01	2.36E+01	2.95E+01	3.86E+01	4.31E+01	7.08E+01	8.56E-04	303
CAN INJ/TOTAL	0-80.5 km	1.0000	1.57E+01	1.26E+01	2.66E+01	3.20E+01	4.58E+01	5.25E+01	7.86E+01	8.56E-04	303
CAN INJ/TOTAL	0-161 km	1.0000	2.48E+01	2.08E+01	4.51E+01	5.57E+01	7.86E+01	8.80E+01	1.12E+02	1.14E-03	548
CAN INJ/TOTAL	0-322 km	1.0000	3.37E+01	2.43E+01	7.18E+01	9.27E+01	1.40E+02	1.66E+02	2.13E+02	1.15E-03	711
CAN INJ/TOTAL	0-805 km	1.0000	3.62E+01	2.67E+01	7.54E+01	9.89E+01	1.51E+02	1.81E+02	2.16E+02	1.15E-03	711
CAN INJ/TOTAL	0-1609 km	1.0000	3.65E+01	2.71E+01	7.55E+01	9.89E+01	1.51E+02	1.81E+02	2.16E+02	1.15E-03	711
CAN FAT/TOTAL	0-16.1 km	1.0000	9.58E-01	8.47E-01	1.74E+00	2.14E+00	2.95E+00	3.19E+00	3.70E+00	1.14E-03	463
CAN FAT/TOTAL	0-32.2 km	1.0000	2.84E+00	2.33E+00	5.34E+00	6.59E+00	9.38E+00	1.05E+01	1.28E+01	1.13E-03	135
CAN FAT/TOTAL	0-48.3 km	1.0000	4.45E+00	3.66E+00	8.11E+00	1.02E+01	1.33E+01	1.49E+01	1.91E+01	1.13E-03	135
CAN FAT/TOTAL	0-64.4 km	1.0000	6.09E+00	5.24E+00	1.08E+01	1.28E+01	1.89E+01	2.17E+01	3.24E+01	8.56E-04	303
CAN FAT/TOTAL	0-80.5 km	1.0000	7.17E+00	6.16E+00	1.22E+01	1.46E+01	2.11E+01	2.33E+01	3.60E+01	8.56E-04	303
CAN FAT/TOTAL	0-161 km	1.0000	1.13E+01	9.49E+00	2.09E+01	2.53E+01	3.52E+01	3.94E+01	5.15E+01	1.14E-03	548
CAN FAT/TOTAL	0-322 km	1.0000	1.54E+01	1.11E+01	3.23E+01	4.21E+01	6.85E+01	7.71E+01	9.72E+01	1.15E-03	711
CAN FAT/TOTAL	0-805 km	1.0000	1.66E+01	1.21E+01	3.40E+01	4.50E+01	6.89E+01	7.75E+01	9.86E+01	1.15E-03	711
CAN FAT/TOTAL	0-1609 km	1.0000	1.67E+01	1.22E+01	3.41E+01	4.50E+01	6.89E+01	7.75E+01	9.86E+01	1.15E-03	711
CAN FAT/THYROID	0-16.1 km	1.0000	8.48E-03	7.44E-03	1.52E-02	1.95E-02	2.85E-02	3.13E-02	3.58E-02	1.14E-03	463
CAN FAT/THYROID	0-80.5 km	1.0000	5.98E-02	5.21E-02	1.04E-01	1.19E-01	1.61E-01	1.83E-01	3.01E-01	8.56E-04	303
CAN FAT/THYROID	0-161 km	1.0000	9.35E-02	7.84E-02	1.68E-01	2.13E-01	3.05E-01	3.42E-01	4.35E-01	1.14E-03	548
CAN FAT/THYROID	0-1609 km	1.0000	1.36E-01	1.03E-01	2.71E-01	3.49E-01	5.55E-01	6.45E-01	7.88E-01	1.15E-03	711
CAN FAT/BREAST	0-16.1 km	1.0000	5.90E-02	5.38E-02	1.02E-01	1.12E-01	1.40E-01	1.54E-01	1.88E-01	1.14E-03	463
CAN FAT/BREAST	0-80.5 km	1.0000	4.78E-01	4.03E-01	8.38E-01	1.01E+00	1.42E+00	1.65E+00	2.39E+00	8.56E-04	303
CAN FAT/BREAST	0-161 km	1.0000	7.57E-01	6.41E-01	1.32E+00	1.66E+00	2.42E+00	2.75E+00	3.77E+00	1.14E-03	118
CAN FAT/BREAST	0-1609 km	1.0000	1.11E+00	8.29E-01	2.27E+00	2.99E+00	4.40E+00	5.13E+00	6.64E+00	1.15E-03	711
CAN FAT/LUNG	0-16.1 km	1.0000	1.86E-01	1.51E-01	3.40E-01	4.13E-01	5.53E-01	5.96E-01	7.27E-01	1.14E-03	463
CAN FAT/LUNG	0-80.5 km	1.0000	1.38E+00	1.15E+00	2.41E+00	2.91E+00	3.84E+00	4.30E+00	6.91E+00	8.56E-04	303
CAN FAT/LUNG	0-161 km	1.0000	2.19E+00	1.78E+00	3.94E+00	5.02E+00	7.00E+00	7.84E+00	9.99E+00	1.14E-03	548
CAN FAT/LUNG	0-1609 km	1.0000	3.24E+00	2.41E+00	6.63E+00	8.69E+00	1.26E+01	1.44E+01	1.91E+01	1.15E-03	711
CAN FAT/LEUKEMIA	0-1609 km	1.0000	2.55E+00	1.88E+00	5.24E+00	6.80E+00	1.01E+01	1.14E+01	1.48E+01	1.15E-03	711
CAN FAT/BONE	0-1609 km	1.0000	7.46E-02	5.57E-02	1.44E-01	1.97E-01	3.02E-01	3.39E-01	4.33E-01	1.14E-03	548
CAN FAT/LIVER	0-1609 km	1.0000	3.62E-01	2.70E-01	7.49E-01	9.80E-01	1.43E+00	1.67E+00	2.15E+00	1.15E-03	711
CAN FAT/COLON	0-1609 km	1.0000	3.23E+00	2.40E+00	6.56E+00	8.72E+00	1.27E+01	1.44E+01	1.91E+01	1.15E-03	711
CAN FAT/RESIDUAL	0-1609 km	1.0000	6.01E+00	4.42E+00	1.16E+01	1.47E+01	2.35E+01	2.75E+01	3.56E+01	1.15E-03	711

		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	1.75E+01	1.40E+01	3.11E+01	3.69E+01	5.22E+01	5.65E+01	6.66E+01	1.14E-03	463
L-ICRP60ED	TOT LIF	0-80.5 km	1.0000	1.32E+02	1.10E+02	2.31E+02	2.78E+02	3.78E+02	4.27E+02	6.59E+02	8.56E-04	303
L-ICRP60ED	TOT LIF	0-161 km	1.0000	2.07E+02	1.65E+02	3.69E+02	4.58E+02	6.62E+02	7.49E+02	9.41E+02	1.14E-03	548
L-ICRP60ED	TOT LIF	0-1609 km	1.0000	3.05E+02	2.29E+02	6.11E+02	7.83E+02	1.18E+03	1.35E+03	1.80E+03	1.15E-03	711

		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	2.10E-05	1.85E-05	3.72E-05	4.55E-05	6.48E-05	7.18E-05	8.12E-05	1.14E-03	463
CAN FAT/TOTAL		0-32.2 km	1.0000	5.93E-06	5.09E-06	1.10E-05	1.32E-05	2.02E-05	2.21E-05	2.68E-05	1.13E-03	135
CAN FAT/TOTAL		0-48.3 km	1.0000	3.08E-06	2.55E-06	5.62E-06	7.12E-06	1.02E-05	1.11E-05	1.32E-05	1.13E-03	135
CAN FAT/TOTAL		0-64.4 km	1.0000	1.69E-06	1.34E-06	3.05E-06	3.70E-06	5.31E-06	5.74E-06	9.00E-06	8.56E-04	303
CAN FAT/TOTAL		0-80.5 km	1.0000	1.27E-06	1.07E-06	2.22E-06	2.63E-06	3.69E-06	4.20E-06	6.34E-06	8.56E-04	303
CAN FAT/TOTAL		0-161 km	1.0000	5.77E-07	4.92E-07	1.06E-06	1.26E-06	1.87E-06	2.13E-06	2.63E-06	1.14E-03	548
CAN FAT/TOTAL		0-322 km	1.0000	3.08E-07	2.23E-07	6.30E-07	8.39E-07	1.26E-06	1.45E-06	1.94E-06	1.15E-03	711
CAN FAT/TOTAL		0-805 km	1.0000	1.47E-07	1.09E-07	3.10E-07	3.82E-07	6.25E-07	7.29E-07	8.75E-07	1.15E-03	711
CAN FAT/TOTAL		0-1609 km	1.0000	8.36E-08	6.26E-08	1.62E-07	2.17E-07	3.28E-07	3.74E-07	4.93E-07	1.15E-03	711
CAN FAT/TOTAL		16.1-32.2 km	1.0000	4.34E-06	3.11E-06	9.58E-06	1.19E-05	1.84E-05	2.12E-05	2.68E-05	1.13E-03	135
CAN FAT/TOTAL		32.2-48.3 km	1.0000	1.67E-06	1.25E-06	3.33E-06	4.20E-06	7.06E-06	7.43E-06	8.30E-06	1.15E-03	681
CAN FAT/TOTAL		48.3-64.4 km	1.0000	7.58E-07	4.61E-07	1.73E-06	2.39E-06	4.54E-06	5.59E-06	1.00E-05	8.56E-04	303
CAN FAT/TOTAL		64.4-80.5 km	1.0000	5.25E-07	3.78E-07	1.14E-06	1.42E-06	2.23E-06	2.56E-06	3.41E-06	1.14E-03	548
CAN FAT/TOTAL		80.5-161 km	1.0000	2.98E-07	1.40E-07	7.57E-07	1.04E-06	1.93E-06	2.20E-06	2.79E-06	1.14E-03	118
CAN FAT/TOTAL		161-322 km	1.0000	1.35E-07	3.38E-08	4.53E-07	6.92E-07	1.15E-06	1.37E-06	2.03E-06	1.15E-03	711
CAN FAT/TOTAL		322-805 km	0.9920	1.83E-08	1.21E-08	4.35E-08	5.64E-08	9.30E-08	1.07E-07	1.30E-07	1.15E-03	544
CAN FAT/TOTAL		805-1609 km	0.9071	1.53E-09	8.11E-12	4.92E-09	9.44E-09	2.11E-08	2.31E-08	2.81E-08	1.14E-03	825

		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	2.68E-01	2.34E-01	3.97E-01	4.82E-01	6.38E-01	7.05E-01	7.72E-01	1.14E-03	390
L-ICRP60ED		0.2-0.5 km	1.0000	1.09E-01	1.03E-01	1.43E-01	1.65E-01	2.13E-01	2.28E-01	2.62E-01	1.15E-03	266
L-ICRP60ED		0.5-1.2 km	1.0000	5.98E-02	5.59E-02	9.83E-02	1.07E-01	1.26E-01	1.35E-01	1.57E-01	1.13E-03	524
L-ICRP60ED		1.2-1.6 km	1.0000	4.29E-02	3.66E-02	7.62E-02	9.46E-02	1.11E-01	1.17E-01	1.31E-01	1.13E-03	592
L-ICRP60ED		1.6-2.1 km	1.0000	3.56E-02	3.06E-02	6.72E-02	8.94E-02	1.09E-01	1.14E-01	1.26E-01	1.13E-03	439
L-ICRP60ED		2.1-3.2 km	1.0000	2.70E-02	2.22E-02	5.15E-02	7.04E-02	8.45E-02	9.14E-02	1.04E-01	1.13E-03	374
L-ICRP60ED		3.2-4.0 km	1.0000	2.01E-02	1.64E-02	3.79E-02	5.21E-02	7.34E-02	7.68E-02	8.48E-02	1.13E-03	374
L-ICRP60ED		4.0-4.8 km	1.0000	1.62E-02	1.18E-02	2.85E-02	3.88E-02	5.58E-02	5.99E-02	6.96E-02	1.13E-03	374
L-ICRP60ED		4.8-5.6 km	1.0000	1.34E-02	1.04E-02	2.40E-02	2.97E-02	5.02E-02	5.22E-02	5.68E-02	1.13E-03	374
L-ICRP60ED		5.6-8.1 km	1.0000	9.70E-03	8.28E-03	1.67E-02	2.20E-02	3.31E-02	3.60E-02	3.97E-02	2.27E-03	463
L-ICRP60ED		8.1-11.3 km	1.0000	6.74E-03	7.07E-03	1.04E-02	1.38E-02	2.14E-02	2.30E-02	2.66E-02	1.14E-03	305
L-ICRP60ED		11.3-16.1 km	1.0000	4.51E-03	3.96E-03	8.03E-03	8.91E-03	1.13E-02	1.25E-02	1.56E-02	1.14E-03	305
L-ICRP60ED		16.1-20.9 km	1.0000	2.84E-03	2.33E-03	5.83E-03	7.13E-03	8.18E-03	8.67E-03	9.85E-03	1.11E-03	312
L-ICRP60ED		20.9-25.8 km	1.0000	1.91E-03	1.42E-03	3.78E-03	4.84E-03	7.16E-03	7.95E-03	9.95E-03	1.13E-03	516
L-ICRP60ED		25.8-32.2 km	1.0000	1.27E-03	1.00E-03	2.57E-03	3.22E-03	4.73E-03	5.42E-03	7.50E-03	1.13E-03	517
L-ICRP60ED		32.2-40.2 km	1.0000	8.37E-04	6.34E-04	1.58E-03	2.04E-03	2.94E-03	3.48E-03	5.08E-03	1.15E-03	324
L-ICRP60ED		40.2-48.3 km	1.0000	5.72E-04	4.38E-04	1.12E-03	1.38E-03	2.09E-03	2.27E-03	2.71E-03	1.15E-03	129
L-ICRP60ED		48.3-64.4 km	1.0000	3.75E-04	3.01E-04	7.15E-04	9.38E-04	1.32E-03	1.51E-03	2.14E-03	1.14E-03	723
L-ICRP60ED		64.4-80.5 km	1.0000	2.43E-04	1.91E-04	4.62E-04	6.02E-04	8.96E-04	1.05E-03	1.61E-03	1.14E-03	463
L-ICRP60ED		80.5-113 km	1.0000	1.49E-04	1.13E-04	2.82E-04	3.55E-04	5.44E-04	6.12E-04	9.75E-04	1.12E-03	321
L-ICRP60ED		113-161 km	1.0000	8.99E-05	7.30E-05	1.64E-04	2.09E-04	2.97E-04	3.36E-04	4.36E-04	1.15E-03	585
L-ICRP60ED		161-241 km	1.0000	4.94E-05	3.91E-05	9.37E-05	1.11E-04	1.53E-04	1.75E-04	2.27E-04	3.04E-04	640
L-ICRP60ED		241-322 km	1.0000	2.92E-05	2.34E-05	5.51E-05	6.91E-05	1.07E-04	1.21E-04	2.02E-04	3.04E-04	640
L-ICRP60ED		322-563 km	1.0000	1.41E-05	1.16E-05	2.59E-05	3.17E-05	4.41E-05	5.07E-05	8.99E-05	3.04E-04	638
L-ICRP60ED		563-805 km	1.0000	7.05E-06	5.77E-06	1.31E-05	1.64E-05	2.69E-05	3.11E-05	4.47E-05	1.52E-04	507
L-ICRP60ED		805-1609 km	1.0000	1.45E-06	9.11E-07	3.58E-06	4.44E-06	5.99E-06	6.64E-06	1.33E-05	3.04E-04	632

		PROB	QUANTILES				PEAK	PEAK	PEAK		
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
DOSE FOUND AT ALL LOCATIONS (Sv)											
AREA (ha) THAT EXCEEDS THRESHOLD											
L-ICRP60ED	Area exceeds 1.00E-02 Sv		1.0000	4.05E+02	2.33E+02	1.00E+03	1.30E+03	2.14E+03	2.38E+03	3.10E+03	1.14E-03	514
AREA (ha) THAT EXCEEDS THRESHOLD											
L-ICRP60ED	Area exceeds 5.00E-02 Sv		0.9037	1.68E+01	6.07E+00	3.78E+01	8.10E+01	1.69E+02	2.08E+02	2.71E+02	1.14E-03	463
AREA (ha) THAT EXCEEDS THRESHOLD											
A-THYROID	Area exceeds 5.00E-02 Sv		0.2703	1.86E-01	0.00E+00	3.81E-01	4.93E-01	3.23E+00	3.90E+00	5.95E+00	1.13E-03	182

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

"ATMOS" DESCRIPTION = OCP3 low density no spray
"EARLY" DESCRIPTION = OCP3 low density no spray, EARLY input
"CHRONC" DESCRIPTION = OCP3 low density no spray

SOURCE TERM 1 OF 1:
OCP3 low density no spray

RESULTS FROM THE "CHRONC" MODULE ALONE

COHORT 7 = OCP3 low density 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	2.63E+01	2.41E+01	3.79E+01	4.31E+01	5.48E+01	5.92E+01	7.61E+01	1.12E-03	391
CAN INJ/TOTAL		0-32.2 km	1.0000	1.48E+02	1.22E+02	2.44E+02	2.83E+02	3.64E+02	4.03E+02	5.14E+02	1.12E-03	391
CAN INJ/TOTAL		0-48.3 km	1.0000	3.21E+02	2.93E+02	5.35E+02	6.01E+02	7.63E+02	8.31E+02	1.06E+03	1.12E-03	391
CAN INJ/TOTAL		0-64.4 km	1.0000	5.55E+02	4.68E+02	9.69E+02	1.16E+03	1.74E+03	2.07E+03	2.98E+03	1.15E-03	311
CAN INJ/TOTAL		0-80.5 km	1.0000	7.33E+02	6.39E+02	1.24E+03	1.53E+03	2.36E+03	2.75E+03	3.82E+03	1.15E-03	311
CAN INJ/TOTAL		0-161 km	1.0000	1.49E+03	1.14E+03	2.81E+03	3.54E+03	5.28E+03	5.72E+03	6.80E+03	1.14E-03	118
CAN INJ/TOTAL		0-322 km	1.0000	2.21E+03	1.51E+03	4.66E+03	5.98E+03	9.35E+03	1.10E+04	1.50E+04	1.15E-03	711
CAN INJ/TOTAL		0-805 km	1.0000	2.60E+03	2.01E+03	5.25E+03	6.55E+03	9.72E+03	1.12E+04	1.52E+04	1.15E-03	711
CAN INJ/TOTAL		0-1609 km	1.0000	2.67E+03	2.07E+03	5.33E+03	6.57E+03	9.72E+03	1.12E+04	1.52E+04	1.15E-03	711
CAN FAT/TOTAL		0-16.1 km	1.0000	1.18E+01	1.06E+01	1.63E+01	1.97E+01	2.46E+01	2.70E+01	3.33E+01	1.12E-03	391
CAN FAT/TOTAL		0-32.2 km	1.0000	6.52E+01	5.68E+01	1.07E+02	1.18E+02	1.48E+02	1.63E+02	2.24E+02	1.12E-03	391
CAN FAT/TOTAL		0-48.3 km	1.0000	1.41E+02	1.17E+02	2.28E+02	2.62E+02	3.41E+02	3.75E+02	4.62E+02	1.12E-03	391
CAN FAT/TOTAL		0-64.4 km	1.0000	2.43E+02	2.10E+02	4.24E+02	5.32E+02	7.73E+02	8.76E+02	1.31E+03	1.15E-03	311
CAN FAT/TOTAL		0-80.5 km	1.0000	3.21E+02	2.81E+02	5.56E+02	7.06E+02	9.62E+02	1.14E+03	1.67E+03	1.15E-03	311
CAN FAT/TOTAL		0-161 km	1.0000	6.50E+02	5.09E+02	1.22E+03	1.59E+03	2.27E+03	2.47E+03	2.98E+03	1.14E-03	118

CAN FAT/TOTAL	0-322 km	1.0000	9.63E+02	6.86E+02	1.99E+03	2.61E+03	4.23E+03	5.07E+03	6.58E+03	1.15E-03	711	
CAN FAT/TOTAL	0-805 km	1.0000	1.13E+03	8.69E+02	2.25E+03	2.85E+03	4.30E+03	5.08E+03	6.65E+03	1.15E-03	711	
CAN FAT/TOTAL	0-1609 km	1.0000	1.16E+03	9.02E+02	2.28E+03	2.85E+03	4.30E+03	5.08E+03	6.65E+03	1.15E-03	711	
CAN FAT/THYROID	0-16.1 km	1.0000	6.69E-02	6.19E-02	1.00E-01	1.12E-01	1.43E-01	1.59E-01	2.05E-01	1.12E-03	391	
CAN FAT/THYROID	0-80.5 km	1.0000	1.97E+00	1.57E+00	3.39E+00	4.19E+00	6.06E+00	6.91E+00	1.04E+01	1.15E-03	311	
CAN FAT/THYROID	0-161 km	1.0000	3.99E+00	3.10E+00	7.60E+00	9.75E+00	1.29E+01	1.45E+01	1.85E+01	1.14E-03	118	
CAN FAT/THYROID	0-1609 km	1.0000	7.07E+00	5.37E+00	1.35E+01	1.74E+01	2.62E+01	3.05E+01	4.13E+01	1.15E-03	711	
CAN FAT/BREAST	0-16.1 km	1.0000	9.82E-01	9.25E-01	1.34E+00	1.54E+00	2.08E+00	2.29E+00	2.81E+00	1.12E-03	391	
CAN FAT/BREAST	0-80.5 km	1.0000	2.98E+01	2.53E+01	5.21E+01	6.63E+01	9.07E+01	1.04E+02	1.60E+02	1.15E-03	311	
CAN FAT/BREAST	0-161 km	1.0000	5.98E+01	4.48E+01	1.14E+02	1.44E+02	2.16E+02	2.36E+02	2.86E+02	1.14E-03	118	
CAN FAT/BREAST	0-1609 km	1.0000	1.03E+02	7.70E+01	2.10E+02	2.72E+02	4.26E+02	5.07E+02	6.46E+02	1.15E-03	711	
CAN FAT/LUNG	0-16.1 km	1.0000	1.91E+00	1.71E+00	2.81E+00	3.19E+00	4.03E+00	4.45E+00	5.57E+00	1.12E-03	391	
CAN FAT/LUNG	0-80.5 km	1.0000	5.68E+01	4.99E+01	9.82E+01	1.16E+02	1.68E+02	1.97E+02	3.01E+02	1.15E-03	311	
CAN FAT/LUNG	0-161 km	1.0000	1.15E+02	8.77E+01	2.21E+02	2.86E+02	4.04E+02	4.64E+02	5.37E+02	1.14E-03	118	
CAN FAT/LUNG	0-1609 km	1.0000	2.02E+02	1.43E+02	3.94E+02	5.08E+02	7.86E+02	9.73E+02	1.21E+03	1.15E-03	711	
CAN FAT/LEUKEMIA	0-1609 km	1.0000	1.22E+02	9.63E+01	2.39E+02	3.03E+02	4.36E+02	5.09E+02	6.97E+02	1.15E-03	711	
CAN FAT/BONE	0-1609 km	1.0000	2.95E+00	2.23E+00	5.86E+00	7.36E+00	1.09E+01	1.26E+01	1.73E+01	1.15E-03	711	
CAN FAT/LIVER	0-1609 km	1.0000	3.00E+01	2.25E+01	5.96E+01	7.41E+01	1.10E+02	1.27E+02	1.74E+02	1.15E-03	711	
CAN FAT/COLON	0-1609 km	1.0000	2.21E+02	1.70E+02	4.34E+02	5.40E+02	7.98E+02	9.75E+02	1.23E+03	1.15E-03	711	
CAN FAT/RESIDUAL	0-1609 km	1.0000	4.73E+02	3.54E+02	9.54E+02	1.15E+03	1.72E+03	2.03E+03	2.64E+03	1.15E-03	711	

		PROB	QUANTILES					PEAK	PEAK	PEAK		
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL	
POPULATION DOSE (Sv)												
L-ICRP60ED	TOT LIF	0-16.1 km	1.0000	2.87E+02	2.76E+02	3.96E+02	4.51E+02	5.54E+02	5.93E+02	6.86E+02	1.13E-03	247
L-ICRP60ED	TOT LIF	0-80.5 km	1.0000	6.17E+03	5.36E+03	1.04E+04	1.22E+04	1.77E+04	2.08E+04	3.21E+04	1.15E-03	311
L-ICRP60ED	TOT LIF	0-161 km	1.0000	1.24E+04	9.55E+03	2.35E+04	3.03E+04	4.24E+04	4.91E+04	5.71E+04	1.14E-03	118
L-ICRP60ED	TOT LIF	0-1609 km	1.0000	2.19E+04	1.62E+04	4.30E+04	5.42E+04	8.34E+04	1.01E+05	1.28E+05	1.15E-03	711

		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	1.72E-04	1.46E-04	2.53E-04	2.92E-04	3.60E-04	3.93E-04	4.72E-04	1.12E-03	391
CAN FAT/TOTAL		0-32.2 km	1.0000	1.14E-04	1.00E-04	2.04E-04	2.24E-04	2.79E-04	3.05E-04	3.60E-04	1.12E-03	391
CAN FAT/TOTAL		0-48.3 km	1.0000	8.36E-05	7.29E-05	1.26E-04	1.47E-04	2.03E-04	2.17E-04	2.50E-04	1.12E-03	391
CAN FAT/TOTAL		0-64.4 km	1.0000	5.92E-05	5.05E-05	1.05E-04	1.29E-04	2.06E-04	2.32E-04	3.49E-04	1.15E-03	311
CAN FAT/TOTAL		0-80.5 km	1.0000	4.92E-05	4.04E-05	8.75E-05	1.08E-04	1.64E-04	1.96E-04	2.79E-04	1.15E-03	311
CAN FAT/TOTAL		0-161 km	1.0000	2.79E-05	2.05E-05	5.78E-05	7.41E-05	1.08E-04	1.19E-04	1.44E-04	1.14E-03	118
CAN FAT/TOTAL		0-322 km	1.0000	1.59E-05	9.75E-06	3.56E-05	5.09E-05	8.25E-05	1.01E-04	1.30E-04	1.15E-03	711
CAN FAT/TOTAL		0-805 km	1.0000	7.66E-06	4.97E-06	1.68E-05	2.26E-05	3.51E-05	4.15E-05	5.85E-05	1.15E-03	711
CAN FAT/TOTAL		0-1609 km	1.0000	4.37E-06	2.84E-06	9.55E-06	1.21E-05	2.00E-05	2.42E-05	3.30E-05	1.15E-03	711
CAN FAT/TOTAL		16.1-32.2 km	1.0000	1.08E-04	8.81E-05	2.01E-04	2.23E-04	2.84E-04	3.06E-04	3.51E-04	5.99E-04	382
CAN FAT/TOTAL		32.2-48.3 km	1.0000	6.85E-05	6.08E-05	1.16E-04	1.34E-04	1.86E-04	2.08E-04	2.45E-04	1.15E-03	311
CAN FAT/TOTAL		48.3-64.4 km	1.0000	4.27E-05	2.55E-05	1.01E-04	1.32E-04	2.30E-04	2.75E-04	4.34E-04	1.15E-03	311
CAN FAT/TOTAL		64.4-80.5 km	1.0000	3.20E-05	2.31E-05	6.98E-05	8.74E-05	1.23E-04	1.39E-04	1.79E-04	1.13E-03	714
CAN FAT/TOTAL		80.5-161 km	1.0000	1.92E-05	9.42E-06	4.87E-05	6.86E-05	1.11E-04	1.28E-04	1.72E-04	1.14E-03	118
CAN FAT/TOTAL		161-322 km	1.0000	8.11E-06	1.95E-06	2.39E-05	3.90E-05	7.55E-05	1.07E-04	1.50E-04	1.15E-03	711
CAN FAT/TOTAL		322-805 km	0.9920	1.10E-06	7.13E-07	2.75E-06	3.49E-06	5.26E-06	5.77E-06	8.73E-06	1.14E-03	400
CAN FAT/TOTAL		805-1609 km	0.9071	1.17E-07	6.54E-10	3.68E-07	7.47E-07	1.70E-06	2.07E-06	2.44E-06	1.14E-03	825

		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	0.9977	5.87E-02	5.11E-02	5.47E-02	5.63E-02	6.03E-02	6.21E-02	6.60E-02	1.15E-03	703
L-ICRP60ED		0.2-0.5 km	1.0000	6.21E-02	5.14E-02	5.49E-02	5.65E-02	6.04E-02	6.21E-02	6.60E-02	1.14E-03	424
L-ICRP60ED		0.5-1.2 km	1.0000	6.11E-02	5.13E-02	5.49E-02	5.64E-02	6.03E-02	6.21E-02	6.60E-02	1.14E-03	371
L-ICRP60ED		1.2-1.6 km	1.0000	5.93E-02	5.12E-02	5.48E-02	5.64E-02	6.03E-02	6.21E-02	6.60E-02	1.13E-03	815
L-ICRP60ED		1.6-2.1 km	1.0000	5.76E-02	5.10E-02	5.46E-02	5.63E-02	6.02E-02	6.20E-02	6.60E-02	1.15E-03	227
L-ICRP60ED		2.1-3.2 km	1.0000	5.39E-02	5.07E-02	5.44E-02	5.60E-02	6.01E-02	6.19E-02	6.60E-02	1.14E-03	974
L-ICRP60ED		3.2-4.0 km	1.0000	5.04E-02	5.03E-02	5.40E-02	5.57E-02	5.99E-02	6.18E-02	6.60E-02	1.14E-03	926
L-ICRP60ED		4.0-4.8 km	1.0000	4.65E-02	4.57E-02	5.36E-02	5.54E-02	5.97E-02	6.16E-02	6.60E-02	1.14E-03	978
L-ICRP60ED		4.8-5.6 km	1.0000	4.31E-02	3.95E-02	5.26E-02	5.42E-02	5.82E-02	6.01E-02	6.60E-02	5.99E-04	683
L-ICRP60ED		5.6-8.1 km	1.0000	3.72E-02	3.35E-02	5.04E-02	5.25E-02	5.77E-02	6.01E-02	6.56E-02	1.13E-03	394
L-ICRP60ED		8.1-11.3 km	1.0000	3.13E-02	3.04E-02	3.84E-02	4.25E-02	5.09E-02	5.23E-02	5.98E-02	1.52E-04	326
L-ICRP60ED		11.3-16.1 km	1.0000	2.79E-02	2.51E-02	3.29E-02	3.49E-02	4.01E-02	4.25E-02	4.82E-02	1.12E-03	296
L-ICRP60ED		16.1-20.9 km	1.0000	2.67E-02	2.38E-02	3.19E-02	3.37E-02	3.83E-02	4.04E-02	4.55E-02	1.12E-03	296
L-ICRP60ED		20.9-25.8 km	1.0000	2.55E-02	2.23E-02	3.02E-02	3.12E-02	3.37E-02	3.48E-02	3.73E-02	1.12E-03	296
L-ICRP60ED		25.8-32.2 km	1.0000	2.41E-02	2.15E-02	2.72E-02	3.00E-02	3.21E-02	3.30E-02	3.51E-02	1.15E-03	695
L-ICRP60ED		32.2-40.2 km	1.0000	2.18E-02	2.06E-02	2.45E-02	2.63E-02	3.04E-02	3.10E-02	3.46E-02	1.52E-04	94
L-ICRP60ED		40.2-48.3 km	1.0000	1.93E-02	1.93E-02	2.30E-02	2.45E-02	2.82E-02	3.00E-02	3.43E-02	1.13E-03	359
L-ICRP60ED		48.3-64.4 km	1.0000	1.65E-02	1.47E-02	2.24E-02	2.38E-02	2.73E-02	2.90E-02	3.44E-02	1.13E-03	157
L-ICRP60ED		64.4-80.5 km	1.0000	1.30E-02	1.10E-02	2.11E-02	2.23E-02	2.52E-02	2.66E-02	2.99E-02	1.14E-03	328
L-ICRP60ED		80.5-113 km	1.0000	9.06E-03	7.13E-03	1.83E-02	2.10E-02	2.44E-02	2.60E-02	2.99E-02	1.13E-03	479
L-ICRP60ED		113-161 km	1.0000	5.90E-03	4.18E-03	1.16E-02	1.49E-02	2.11E-02	2.22E-02	2.88E-02	1.14E-04	88
L-ICRP60ED		161-241 km	1.0000	3.15E-03	2.29E-03	6.35E-03	8.40E-03	1.35E-02	1.62E-02	2.48E-02	1.14E-03	458
L-ICRP60ED		241-322 km	1.0000	1.72E-03	1.20E-03	3.51E-03	5.02E-03	7.57E-03	8.62E-03	1.47E-02	1.13E-03	317
L-ICRP60ED		322-563 km	1.0000	7.95E-04	6.18E-04	1.56E-03	2.09E-03	3.16E-03	3.65E-03	4.96E-03	1.13E-03	314
L-ICRP60ED		563-805 km	1.0000	5.06E-04	3.16E-04	1.13E-03	1.36E-03	2.04E-03	2.27E-03	2.83E-03	1.15E-03	508
L-ICRP60ED		805-1609 km	1.0000	1.04E-04	6.41E-05	2.65E-04	3.21E-04	4.23E-04	4.77E-04	7.48E-04	3.04E-04	633

		PROB	QUANTILES					PEAK	PEAK	PEAK		
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL	
L-ICRP60ED	POP. DOSE (Sv)	0-16.1 km										
TOTAL LONG-TERM PATHWAYS DOSE		1.0000	2.87E+02	2.76E+02	3.96E+02	4.51E+02	5.54E+02	5.93E+02	6.86E+02	1.13E-03	247	
LONG-TERM DIRECT EXPOSURE PATHWAYS		1.0000	1.51E+02	1.25E+02	2.22E+02	2.51E+02	3.22E+02	3.49E+02	4.16E+02	1.12E-03	391	
TOTAL INGESTION PATHWAYS DOSE		1.0000	1.27E+02	1.10E+02	2.02E+02	2.21E+02	2.71E+02	2.96E+02	3.41E+02	1.14E-03	297	
LONG-TERM GROUNDSHINE DOSE		1.0000	1.51E+02	1.24E+02	2.22E+02	2.50E+02	3.21E+02	3.48E+02	4.14E+02	1.12E-03	391	
LONG-TERM RESUSPENSION DOSE		1.0000	6.70E-01	5.88E-01	1.07E+00	1.24E+00	1.77E+00	2.04E+00	2.55E+00	1.13E-03	247	
WATER INGESTION DOSE		1.0000	7.45E+01	6.99E+01	1.16E+02	1.30E+02	1.66E+02	1.85E+02	2.43E+02	1.14E-04	278	
POP.-DEPENDENT DECONTAMINATION DOSE		1.0000	7.90E+00	7.11E+00	1.46E+01	1.84E+01	2.48E+01	2.77E+01	4.32E+01	5.99E-04	587	
FARM-DEPENDENT DECONTAMINATION DOSE		1.0000	7.76E-01	6.59E-01	1.38E+00	1.64E+00	2.14E+00	2.26E+00	3.15E+00	1.52E-04	326	
INGESTION OF GRAINS		1.0000	1.74E+00	1.15E+00	3.79E+00	4.87E+00	7.03E+00	7.78E+00	9.64E+00	1.14E-03	133	
INGESTION OF LEAF VEG		1.0000	7.17E+00	6.78E+00	1.14E+01	1.25E+01	1.57E+01	1.73E+01	2.31E+01	1.14E-03	398	
INGESTION OF ROOT CROPS		1.0000	4.99E+00	4.68E+00	8.71E+00	1.01E+01	1.12E+01	1.18E+01	1.51E+01	1.14E-04	148	
INGESTION OF FRUITS		1.0000	4.45E+00	3.61E+00	8.94E+00	1.06E+01	1.36E+01	1.51E+01	1.90E+01	1.14E-03	133	
INGESTION OF LEGUMES		1.0000	7.74E+00	7.42E+00	1.14E+01	1.23E+01	1.48E+01	1.60E+01	2.17E+01	1.14E-04	80	
INGESTION OF BEEF		1.0000	1.08E+01	8.12E+00	2.28E+01	2.91E+01	3.84E+01	4.30E+01	5.94E+01	8.56E-04	954	
INGESTION OF MILK		1.0000	1.11E+01	7.79E+00	2.25E+01	3.10E+01	5.06E+01	7.35E+01	1.31E+02	1.14E-03	375	
INGESTION OF POULTRY		1.0000	3.44E+00	2.07E+00	7.86E+00	1.03E+01	1.50E+01	1.76E+01	2.31E+01	1.14E-03	398	
INGESTION OF OTHER MEAT CROPS		1.0000	6.24E-01	4.40E-01	1.25E+00	1.66E+00	2.43E+00	2.73E+00	3.52E+00	1.14E-03	398	

		PROB	QUANTILES					PEAK	PEAK	PEAK		
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL	
L-ICRP60ED	POP. DOSE (Sv)	0-80.5 km										
TOTAL LONG-TERM PATHWAYS DOSE		1.0000	6.17E+03	5.36E+03	1.04E+04	1.22E+04	1.77E+04	2.08E+04	3.21E+04	1.15E-03	311	
LONG-TERM DIRECT EXPOSURE PATHWAYS		1.0000	5.39E+03	4.51E+03	9.79E+03	1.17E+04	1.75E+04	2.08E+04	3.06E+04	1.15E-03	311	
TOTAL INGESTION PATHWAYS DOSE		1.0000	7.54E+02	5.56E+02	1.44E+03	1.86E+03	2.67E+03	3.06E+03	3.82E+03	1.14E-03	388	
LONG-TERM GROUNDSHINE DOSE		1.0000	5.35E+03	4.45E+03	9.64E+03	1.15E+04	1.67E+04	1.97E+04	3.03E+04	1.15E-03	311	
LONG-TERM RESUSPENSION DOSE		1.0000	3.73E+01	3.12E+01	6.81E+01	8.83E+01	1.29E+02	1.49E+02	2.20E+02	1.15E-03	311	

WATER INGESTION DOSE	1.0000	9.23E+01	8.64E+01	1.31E+02	1.50E+02	2.02E+02	2.11E+02	2.70E+02	1.14E-04	278		
POP.-DEPENDENT DECONTAMINATION DOSE	1.0000	2.09E+01	1.44E+01	4.21E+01	5.59E+01	9.69E+01	1.20E+02	1.93E+02	1.09E-03	287		
FARM-DEPENDENT DECONTAMINATION DOSE	1.0000	9.23E-01	7.67E-01	1.88E+00	2.21E+00	2.98E+00	3.33E+00	5.19E+00	3.71E-04	89		
INGESTION OF GRAINS	1.0000	2.51E+01	1.34E+01	6.64E+01	8.04E+01	1.13E+02	1.27E+02	1.65E+02	1.14E-03	133		
INGESTION OF LEAF VEG	1.0000	5.01E+01	2.99E+01	1.15E+02	1.54E+02	2.63E+02	3.17E+02	4.60E+02	1.14E-03	388		
INGESTION OF ROOT CROPS	1.0000	3.87E+01	2.44E+01	9.14E+01	1.10E+02	1.50E+02	1.72E+02	2.19E+02	1.14E-03	133		
INGESTION OF FRUITS	1.0000	5.11E+01	3.23E+01	1.18E+02	1.45E+02	2.16E+02	2.40E+02	3.18E+02	1.14E-03	133		
INGESTION OF LEGUMES	1.0000	4.03E+01	2.95E+01	8.41E+01	1.02E+02	1.33E+02	1.50E+02	1.91E+02	1.14E-03	133		
INGESTION OF BEEF	1.0000	1.99E+02	1.50E+02	3.92E+02	5.00E+02	6.70E+02	7.60E+02	1.05E+03	1.14E-03	133		
INGESTION OF MILK	1.0000	1.81E+02	1.23E+02	3.74E+02	4.91E+02	8.85E+02	1.09E+03	1.65E+03	1.14E-03	375		
INGESTION OF POULTRY	1.0000	6.57E+01	3.72E+01	1.41E+02	1.99E+02	3.42E+02	4.08E+02	5.89E+02	1.14E-03	388		
INGESTION OF OTHER MEAT CROPS	1.0000	1.01E+01	6.09E+00	2.22E+01	2.95E+01	5.35E+01	6.55E+01	8.89E+01	1.14E-03	388		

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
L-ICRP60ED POP. DOSE (Sv) 0-161 km										
TOTAL LONG-TERM PATHWAYS DOSE	1.0000	1.24E+04	9.55E+03	2.35E+04	3.03E+04	4.24E+04	4.91E+04	5.71E+04	1.14E-03	118
LONG-TERM DIRECT EXPOSURE PATHWAYS	1.0000	1.06E+04	7.66E+03	2.16E+04	2.81E+04	4.02E+04	4.63E+04	5.46E+04	1.14E-03	118
TOTAL INGESTION PATHWAYS DOSE	1.0000	1.78E+03	1.21E+03	3.65E+03	4.49E+03	6.47E+03	7.32E+03	9.07E+03	1.14E-03	388
LONG-TERM GROUNDSHINE DOSE	1.0000	1.05E+04	7.62E+03	2.14E+04	2.80E+04	4.02E+04	4.63E+04	5.42E+04	1.14E-03	118
LONG-TERM RESUSPENSION DOSE	1.0000	7.59E+01	5.32E+01	1.54E+02	2.08E+02	3.11E+02	3.37E+02	4.00E+02	1.14E-03	718
WATER INGESTION DOSE	1.0000	1.06E+02	1.01E+02	1.43E+02	1.65E+02	2.10E+02	2.19E+02	2.81E+02	1.14E-04	278
POP.-DEPENDENT DECONTAMINATION DOSE	1.0000	2.17E+01	1.48E+01	4.43E+01	5.99E+01	1.09E+02	1.45E+02	2.38E+02	1.14E-03	118
FARM-DEPENDENT DECONTAMINATION DOSE	1.0000	9.26E-01	7.70E-01	1.88E+00	2.21E+00	2.98E+00	3.33E+00	5.19E+00	3.71E-04	89
INGESTION OF GRAINS	1.0000	6.81E+01	5.31E+01	1.65E+02	2.08E+02	2.73E+02	3.08E+02	4.16E+02	1.14E-03	140
INGESTION OF LEAF VEG	1.0000	1.25E+02	7.57E+01	3.12E+02	4.12E+02	7.32E+02	8.94E+02	1.26E+03	1.14E-03	388
INGESTION OF ROOT CROPS	1.0000	9.69E+01	7.51E+01	2.27E+02	2.76E+02	3.64E+02	4.03E+02	5.52E+02	1.14E-03	140
INGESTION OF FRUITS	1.0000	1.35E+02	1.03E+02	3.30E+02	3.91E+02	5.51E+02	6.16E+02	8.03E+02	1.14E-03	140
INGESTION OF LEGUMES	1.0000	9.19E+01	7.27E+01	2.09E+02	2.41E+02	3.30E+02	3.71E+02	4.79E+02	1.14E-03	140
INGESTION OF BEEF	1.0000	5.23E+02	4.14E+02	1.07E+03	1.23E+03	1.71E+03	1.97E+03	2.66E+03	1.14E-03	140
INGESTION OF MILK	1.0000	4.24E+02	3.09E+02	8.76E+02	1.09E+03	1.69E+03	2.04E+03	3.66E+03	1.15E-03	380
INGESTION OF POULTRY	1.0000	1.79E+02	1.03E+02	4.21E+02	5.66E+02	9.59E+02	1.15E+03	1.65E+03	1.14E-03	388
INGESTION OF OTHER MEAT CROPS	1.0000	2.69E+01	1.55E+01	6.38E+01	8.33E+01	1.41E+02	1.76E+02	2.48E+02	1.14E-03	388

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
L-ICRP60ED POP. DOSE (Sv) 0-1609 km										
TOTAL LONG-TERM PATHWAYS DOSE	1.0000	2.19E+04	1.62E+04	4.30E+04	5.42E+04	8.34E+04	1.01E+05	1.28E+05	1.15E-03	711
LONG-TERM DIRECT EXPOSURE PATHWAYS	1.0000	1.68E+04	1.09E+04	3.70E+04	5.11E+04	7.98E+04	9.75E+04	1.27E+05	1.15E-03	711
TOTAL INGESTION PATHWAYS DOSE	1.0000	5.07E+03	2.80E+03	1.18E+04	1.52E+04	2.39E+04	2.77E+04	3.40E+04	1.13E-03	396
LONG-TERM GROUNDSHINE DOSE	1.0000	1.67E+04	1.09E+04	3.67E+04	5.09E+04	7.98E+04	9.75E+04	1.26E+05	1.15E-03	711
LONG-TERM RESUSPENSION DOSE	1.0000	1.22E+02	7.96E+01	2.76E+02	3.59E+02	5.90E+02	7.11E+02	9.38E+02	1.15E-03	711
WATER INGESTION DOSE	1.0000	3.26E+02	2.89E+02	5.22E+02	5.46E+02	6.07E+02	6.35E+02	7.03E+02	1.13E-03	793
POP.-DEPENDENT DECONTAMINATION DOSE	1.0000	2.17E+01	1.48E+01	4.43E+01	5.99E+01	1.09E+02	1.45E+02	2.38E+02	1.14E-03	118
FARM-DEPENDENT DECONTAMINATION DOSE	1.0000	9.26E-01	7.70E-01	1.88E+00	2.21E+00	2.98E+00	3.33E+00	5.19E+00	3.71E-04	89
INGESTION OF GRAINS	1.0000	2.06E+02	1.03E+02	5.79E+02	7.47E+02	1.12E+03	1.24E+03	1.56E+03	1.14E-03	133
INGESTION OF LEAF VEG	1.0000	3.68E+02	1.25E+02	9.47E+02	1.32E+03	2.76E+03	3.41E+03	5.33E+03	1.13E-03	396
INGESTION OF ROOT CROPS	1.0000	2.82E+02	1.29E+02	7.78E+02	9.82E+02	1.34E+03	1.52E+03	2.06E+03	1.14E-03	133
INGESTION OF FRUITS	1.0000	4.05E+02	2.09E+02	1.12E+03	1.39E+03	2.15E+03	2.39E+03	3.00E+03	1.14E-03	133
INGESTION OF LEGUMES	1.0000	2.53E+02	1.18E+02	7.01E+02	8.45E+02	1.20E+03	1.36E+03	1.77E+03	1.14E-03	133
INGESTION OF BEEF	1.0000	1.51E+03	8.98E+02	3.65E+03	4.97E+03	7.24E+03	8.02E+03	1.09E+04	1.14E-03	984
INGESTION OF MILK	1.0000	1.10E+03	6.45E+02	2.74E+03	3.47E+03	5.20E+03	5.72E+03	7.38E+03	1.14E-03	984
INGESTION OF POULTRY	1.0000	5.40E+02	2.30E+02	1.32E+03	1.86E+03	3.69E+03	4.57E+03	7.10E+03	1.13E-03	396
INGESTION OF OTHER MEAT CROPS	1.0000	8.01E+01	3.50E+01	2.01E+02	2.74E+02	5.71E+02	7.28E+02	1.06E+03	1.13E-03	396

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
ECONOMIC COST MEASURES ($) 0-1609 km										
TOTAL ECONOMIC COSTS	1.0000	5.37E+09	3.06E+09	1.17E+10	1.54E+10	3.55E+10	4.68E+10	1.18E+11	1.14E-03	118
POP.-DEPENDENT COSTS	1.0000	5.14E+09	2.84E+09	1.13E+10	1.51E+10	3.55E+10	4.68E+10	1.17E+11	1.14E-03	118
FARM-DEPENDENT COSTS	1.0000	2.27E+08	1.70E+08	4.51E+08	5.91E+08	8.95E+08	1.05E+09	1.57E+09	1.14E-03	2
POP.-DEPENDENT DECONTAMINATION COST	1.0000	5.54E+08	3.22E+08	1.20E+09	1.60E+09	3.55E+09	4.68E+09	1.18E+10	1.14E-03	118
FARM-DEPENDENT DECONTAMINATION COST	1.0000	2.67E+07	2.25E+07	5.06E+07	6.21E+07	8.98E+07	1.02E+08	1.18E+08	1.14E-03	98
POP.-DEPENDENT INTERDICTION COST	1.0000	4.58E+09	2.55E+09	1.06E+10	1.41E+10	2.92E+10	3.76E+10	1.05E+11	1.14E-03	118
FARM-DEPENDENT INTERDICTION COST	1.0000	9.07E+07	6.29E+07	1.85E+08	2.68E+08	4.00E+08	4.62E+08	1.03E+09	1.14E-03	2
POP.-DEPENDENT CONDEMNATION COST	0.5055	8.22E+06	2.09E+05	2.58E+07	4.13E+07	6.76E+07	9.49E+07	1.25E+08	1.14E-03	463
FARM-DEPENDENT CONDEMNATION COST	0.9977	1.61E+06	8.07E+05	4.29E+06	5.81E+06	8.40E+06	9.50E+06	1.18E+07	1.14E-03	546
EMERGENCY PHASE COST	0.8925	7.37E+05	4.35E+05	1.86E+06	2.58E+06	3.62E+06	4.01E+06	5.06E+06	1.14E-03	514
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	6.04E+06	3.42E+06	1.42E+07	1.96E+07	3.13E+07	3.29E+07	4.22E+07	1.52E-04	87
CROP DISPOSAL COST	1.0000	1.02E+08	7.38E+07	2.16E+08	2.75E+08	4.14E+08	4.88E+08	7.68E+08	1.13E-03	379

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
ECONOMIC COST MEASURES ($) 0-16.1 km										
TOTAL ECONOMIC COSTS	1.0000	5.08E+08	4.62E+08	7.65E+08	8.53E+08	1.06E+09	1.13E+09	1.30E+09	1.13E-03	586
POP.-DEPENDENT COSTS	1.0000	4.62E+08	4.11E+08	7.19E+08	7.97E+08	1.01E+09	1.06E+09	1.20E+09	1.13E-03	586
FARM-DEPENDENT COSTS	1.0000	4.56E+07	4.10E+07	7.63E+07	8.49E+07	1.08E+08	1.19E+08	1.47E+08	1.11E-03	392
POP.-DEPENDENT DECONTAMINATION COST	1.0000	6.67E+07	6.23E+07	1.04E+08	1.12E+08	1.33E+08	1.44E+08	2.15E+08	1.14E-04	79
FARM-DEPENDENT DECONTAMINATION COST	1.0000	9.66E+06	8.97E+06	1.47E+07	1.76E+07	2.13E+07	2.22E+07	2.75E+07	1.14E-04	79
POP.-DEPENDENT INTERDICTION COST	1.0000	3.86E+08	3.44E+08	5.83E+08	6.64E+08	8.01E+08	8.60E+08	1.02E+09	1.13E-03	586
FARM-DEPENDENT INTERDICTION COST	1.0000	1.45E+07	1.22E+07	2.28E+07	2.58E+07	3.27E+07	3.53E+07	4.17E+07	1.12E-03	391
POP.-DEPENDENT CONDEMNATION COST	0.5055	8.22E+06	2.09E+05	2.58E+07	4.13E+07	6.76E+07	9.49E+07	1.25E+08	1.14E-03	463
FARM-DEPENDENT CONDEMNATION COST	0.9977	1.61E+06	8.07E+05	4.29E+06	5.81E+06	8.40E+06	9.50E+06	1.18E+07	1.14E-03	546
EMERGENCY PHASE COST	0.8925	7.22E+05	4.35E+05	1.84E+06	2.46E+06	3.48E+06	3.82E+06	4.67E+06	1.14E-03	459
INTERMEDIATE PHASE COST	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
MILK DISPOSAL COST	1.0000	1.69E+06	1.36E+06	3.31E+06	3.75E+06	4.99E+06	5.52E+06	6.86E+06	1.11E-03	392
CROP DISPOSAL COST	1.0000	1.82E+07	1.56E+07	3.28E+07	3.66E+07	4.73E+07	5.52E+07	7.39E+07	1.11E-03	392

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
ECONOMIC COST MEASURES ($) 16.1-32.2 km										
TOTAL ECONOMIC COSTS	0.9886	1.81E+09	1.22E+09	4.08E+09	5.36E+09	7.43E+09	7.91E+09	1.01E+10	3.71E-04	89
POP.-DEPENDENT COSTS	0.9684	1.74E+09	1.17E+09	3.97E+09	5.24E+09	7.32E+09	7.83E+09	9.87E+09	4.85E-04	89
FARM-DEPENDENT COSTS	0.9886	6.22E+07	5.06E+07	1.15E+08	1.32E+08	1.83E+08	2.10E+08	2.85E+08	1.11E-03	392
POP.-DEPENDENT DECONTAMINATION COST	0.9684	1.89E+08	1.23E+08	4.31E+08	5.74E+08	8.12E+08	8.95E+08	1.66E+09	3.71E-04	89
FARM-DEPENDENT DECONTAMINATION COST	0.9684	8.70E+06	7.44E+06	1.68E+07	2.08E+07	2.69E+07	3.01E+07	5.21E+07	1.43E-04	77
POP.-DEPENDENT INTERDICTION COST	0.9684	1.55E+09	1.08E+09	3.55E+09	4.64E+09	6.32E+09	7.04E+09	8.21E+09	4.85E-04	89
FARM-DEPENDENT INTERDICTION COST	0.9886	2.20E+07	1.93E+07	3.93E+07	4.84E+07	6.18E+07	6.82E+07	8.34E+07	1.14E-04	78
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	0.0176	1.52E+04	0.00E+00	0.00E+00	0.00E+00	5.87E+05	1.08E+06	1.81E+06	1.14E-03	264
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	0.9875	2.13E+06	8.34E+05	5.91E+06	7.28E+06	1.01E+07	1.06E+07	1.42E+07	1.14E-04	78
CROP DISPOSAL COST	0.9886	2.94E+07	2.12E+07	6.45E+07	7.62E+07	1.04E+08	1.25E+08	1.83E+08	1.11E-03	392

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
ECONOMIC COST MEASURES ($) 32.2-48.3 km										

TOTAL ECONOMIC COSTS	0.8293	1.37E+09	5.05E+08	3.98E+09	5.28E+09	7.27E+09	8.13E+09	1.29E+10	1.43E-04	144		
POP.-DEPENDENT COSTS	0.6521	1.33E+09	4.71E+08	3.88E+09	5.21E+09	7.17E+09	8.06E+09	1.26E+10	1.43E-04	144		
FARM-DEPENDENT COSTS	0.8293	4.16E+07	3.34E+07	8.95E+07	1.08E+08	1.45E+08	1.65E+08	2.41E+08	1.43E-04	77		
POP.-DEPENDENT DECONTAMINATION COST	0.6521	1.36E+08	4.72E+07	3.92E+08	5.29E+08	7.57E+08	8.35E+08	1.42E+09	1.14E-03	143		
FARM-DEPENDENT DECONTAMINATION COST	0.6521	4.30E+06	2.85E+06	1.08E+07	1.31E+07	2.04E+07	2.35E+07	3.62E+07	1.43E-04	76		
POP.-DEPENDENT INTERDICTION COST	0.6521	1.19E+09	4.07E+08	3.49E+09	4.72E+09	6.81E+09	7.81E+09	1.14E+10	1.43E-04	144		
FARM-DEPENDENT INTERDICTION COST	0.8293	1.66E+07	1.29E+07	3.46E+07	4.23E+07	6.16E+07	7.09E+07	9.58E+07	1.14E-03	50		
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	0.7923	1.10E+06	3.57E+05	3.38E+06	4.50E+06	7.27E+06	8.27E+06	1.11E+07	1.43E-04	77		
CROP DISPOSAL COST	0.8293	1.96E+07	1.36E+07	4.53E+07	5.69E+07	7.86E+07	8.65E+07	1.30E+08	1.11E-03	392		

	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	0.5507	8.04E+08	1.34E+07	2.25E+09	4.37E+09	1.30E+10	1.71E+10	3.73E+10	8.56E-04	303
POP.-DEPENDENT COSTS	0.2875	7.82E+08	0.00E+00	2.20E+09	4.37E+09	1.30E+10	1.71E+10	3.73E+10	8.56E-04	303
FARM-DEPENDENT COSTS	0.5507	2.23E+07	1.12E+07	6.05E+07	7.85E+07	1.23E+08	1.44E+08	2.26E+08	1.14E-03	2
POP.-DEPENDENT DECONTAMINATION COST	0.2875	7.88E+07	0.00E+00	2.20E+08	4.37E+08	1.30E+09	1.71E+09	3.76E+09	8.56E-04	303
FARM-DEPENDENT DECONTAMINATION COST	0.2875	1.90E+06	0.00E+00	7.03E+06	9.74E+06	1.84E+07	2.35E+07	3.43E+07	1.14E-03	2
POP.-DEPENDENT INTERDICTION COST	0.2875	7.03E+08	0.00E+00	1.97E+09	3.64E+09	1.11E+10	1.34E+10	3.36E+10	8.56E-04	303
FARM-DEPENDENT INTERDICTION COST	0.5507	1.03E+07	4.39E+06	2.96E+07	3.61E+07	5.42E+07	6.14E+07	1.23E+08	1.14E-03	2
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	0.4750	3.06E+05	0.00E+00	9.18E+05	1.53E+06	2.76E+06	3.53E+06	7.58E+06	1.14E-03	2
CROP DISPOSAL COST	0.5507	9.77E+06	4.11E+06	2.66E+07	3.59E+07	5.75E+07	6.52E+07	7.84E+07	1.14E-03	387

	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	0.3696	3.73E+08	0.00E+00	4.52E+08	3.00E+09	6.93E+09	8.35E+09	1.62E+10	1.14E-04	417
POP.-DEPENDENT COSTS	0.1227	3.57E+08	0.00E+00	4.52E+08	2.92E+09	6.93E+09	8.35E+09	1.61E+10	1.14E-04	417
FARM-DEPENDENT COSTS	0.3696	1.59E+07	0.00E+00	5.29E+07	7.76E+07	1.22E+08	1.43E+08	2.02E+08	1.14E-03	119
POP.-DEPENDENT DECONTAMINATION COST	0.1227	3.61E+07	0.00E+00	4.52E+07	2.99E+08	6.93E+08	8.35E+08	1.62E+09	1.14E-04	417
FARM-DEPENDENT DECONTAMINATION COST	0.1227	1.03E+06	0.00E+00	3.47E+06	6.49E+06	1.72E+07	2.07E+07	3.53E+07	1.14E-04	417
POP.-DEPENDENT INTERDICTION COST	0.1227	3.21E+08	0.00E+00	3.83E+08	2.57E+09	6.34E+09	8.15E+09	1.45E+10	1.14E-04	417
FARM-DEPENDENT INTERDICTION COST	0.3696	7.43E+06	0.00E+00	2.46E+07	3.53E+07	7.05E+07	7.87E+07	1.00E+08	1.11E-03	75
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	0.2873	2.15E+05	0.00E+00	7.00E+05	1.15E+06	3.24E+06	3.97E+06	6.22E+06	1.14E-03	2
CROP DISPOSAL COST	0.3696	7.23E+06	0.00E+00	2.46E+07	3.47E+07	6.69E+07	7.72E+07	9.82E+07	1.14E-03	119

	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	0.2185	5.07E+08	0.00E+00	1.47E+08	6.35E+08	1.13E+10	2.56E+10	1.16E+11	1.14E-03	118
POP.-DEPENDENT COSTS	0.0469	4.73E+08	0.00E+00	0.00E+00	0.00E+00	1.13E+10	2.56E+10	1.16E+11	1.14E-03	118
FARM-DEPENDENT COSTS	0.2185	3.41E+07	0.00E+00	1.12E+08	2.11E+08	5.25E+08	6.05E+08	9.03E+08	1.13E-03	379
POP.-DEPENDENT DECONTAMINATION COST	0.0469	4.76E+07	0.00E+00	0.00E+00	0.00E+00	1.13E+09	2.56E+09	1.17E+10	1.14E-03	118
FARM-DEPENDENT DECONTAMINATION COST	0.0469	1.15E+06	0.00E+00	0.00E+00	0.00E+00	3.55E+07	4.46E+07	6.63E+07	1.14E-04	88
POP.-DEPENDENT INTERDICTION COST	0.0469	4.25E+08	0.00E+00	0.00E+00	0.00E+00	9.27E+09	2.34E+10	1.04E+11	1.14E-03	118
FARM-DEPENDENT INTERDICTION COST	0.2185	1.65E+07	0.00E+00	5.43E+07	1.08E+08	2.40E+08	2.96E+08	4.11E+08	1.13E-03	837
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	0.1543	5.45E+05	0.00E+00	8.12E+05	2.49E+06	1.32E+07	1.96E+07	2.88E+07	1.13E-03	837
CROP DISPOSAL COST	0.2185	1.59E+07	0.00E+00	5.32E+07	9.91E+07	2.14E+08	2.52E+08	6.25E+08	1.13E-03	379

	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	0.0160	5.35E+06	0.00E+00	0.00E+00	0.00E+00	1.63E+08	4.10E+08	7.64E+08	1.14E-03	884
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	0.0160	5.35E+06	0.00E+00	0.00E+00	0.00E+00	1.63E+08	4.10E+08	7.64E+08	1.14E-03	884
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	0.0160	3.40E+06	0.00E+00	0.00E+00	0.00E+00	1.29E+08	2.24E+08	5.50E+08	2.27E-03	1
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	0.0125	6.68E+04	0.00E+00	0.00E+00	0.00E+00	7.59E+05	4.07E+06	1.63E+07	2.29E-03	851
CROP DISPOSAL COST	0.0160	1.88E+06	0.00E+00	0.00E+00	0.00E+00	3.41E+07	1.37E+08	4.92E+08	1.14E-03	884

	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	0.0000	0.00E+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	
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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	4.92E+01	3.89E+01	7.83E+01	9.80E+01	1.52E+02	****	1.61E+02	8.09E-03	73
POP.-DEPENDENT DECONTAMINATION DIST.	1.0000	4.92E+01	3.89E+01	7.83E+01	9.80E+01	1.52E+02	****	1.61E+02	8.09E-03	73
FARM-DEPENDENT INTERDICTION DIST.	1.0000	7.35E+01	5.76E+01	1.24E+02	1.48E+02	2.15E+02	2.39E+02	3.22E+02	1.13E-03	317
POP.-DEPENDENT INTERDICTION DIST.	1.0000	4.92E+01	3.89E+01	7.83E+01	9.80E+01	1.52E+02	****	1.61E+02	8.09E-03	73
FARM-DEPENDENT CONDEMNATION DIST.	0.9977	3.13E+00	3.19E+00	5.60E+00	6.73E+00	****	****	8.05E+00	4.32E-02	56
POP.-DEPENDENT CONDEMNATION DIST.	0.5055	1.84E+00	1.06E+00	4.33E+00	5.24E+00	****	****	8.05E+00	2.18E-02	56
MILK DISPOSAL DIST.	1.0000	6.59E+01	5.03E+01	1.13E+02	1.37E+02	****	****	2.41E+02	1.25E-02	1
CROP DISPOSAL DIST.	1.0000	7.35E+01	5.76E+01	1.24E+02	1.48E+02	2.15E+02	2.39E+02	3.22E+02	1.13E-03	317

	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	1.71E+04	1.27E+04	3.27E+04	4.17E+04	6.08E+04	6.88E+04	8.49E+04	1.14E-03	295
POP. DECONTAMINATION (INDIVIDUALS)	1.0000	7.20E+04	4.04E+04	1.53E+05	2.17E+05	4.57E+05	6.45E+05	1.66E+06	1.14E-03	118
POP. DECONTAMINATION AREA (ha)	1.0000	2.21E+04	1.77E+04	4.21E+04	5.62E+04	8.57E+04	9.83E+04	1.21E+05	1.15E-03	602
FARM INTERDICTION (ha)	1.0000	3.93E+04	2.65E+04	8.34E+04	1.13E+05	1.86E+05	2.32E+05	4.11E+05	1.14E-03	2
POP. INTERDICTION (INDIVIDUALS)	1.0000	7.20E+04	4.04E+04	1.53E+05	2.17E+05	4.57E+05	6.45E+05	1.66E+06	1.14E-03	118
POP. INTERDICTION AREA (ha)	1.0000	2.21E+04	1.77E+04	4.21E+04	5.62E+04	8.57E+04	9.83E+04	1.21E+05	1.15E-03	602
FARM CONDEMNATION (ha)	0.9977	7.90E+01	4.54E+01	2.05E+02	2.55E+02	3.38E+02	3.64E+02	4.91E+02	3.23E-04	90
POP. CONDEMNATION (INDIVIDUALS)	0.5055	2.97E+01	1.15E+00	9.42E+01	1.38E+02	2.57E+02	3.10E+02	4.46E+02	1.14E-03	463
POP. CONDEMNATION AREA (ha)	0.9954	3.86E+01	1.61E+01	1.02E+02	1.38E+02	2.44E+02	2.93E+02	3.81E+02	1.13E-03	439
MILK DISPOSAL AREA (ha)	1.0000	3.20E+04	2.14E+04	6.52E+04	9.64E+04	1.50E+05	1.81E+05	4.11E+05	1.14E-03	2
CROP DISPOSAL AREA (ha)	1.0000	3.94E+04	2.67E+04	8.34E+04	1.13E+05	1.86E+05	2.32E+05	4.11E+05	1.14E-03	2

	PROB	QUANTILES					PEAK	PEAK	PEAK	
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
AFFECTED AREA/POPULATION	0-16.1 km									
FARM DECONTAMINATION (ha)	1.0000	4.84E+03	4.46E+03	7.70E+03	8.64E+03	1.11E+04	1.22E+04	1.51E+04	1.11E-03	392
POP. DECONTAMINATION (INDIVIDUALS)	1.0000	5.90E+03	5.40E+03	8.95E+03	1.02E+04	1.23E+04	1.33E+04	1.57E+04	1.13E-03	586
POP. DECONTAMINATION AREA (ha)	1.0000	4.92E+03	4.43E+03	7.59E+03	8.44E+03	1.06E+04	1.14E+04	1.44E+04	5.99E-04	382
FARM INTERDICTION (ha)	1.0000	5.77E+03	5.37E+03	9.64E+03	1.09E+04	1.41E+04	1.57E+04	1.98E+04	1.12E-03	391
POP. INTERDICTION (INDIVIDUALS)	1.0000	5.90E+03	5.40E+03	8.95E+03	1.02E+04	1.23E+04	1.33E+04	1.57E+04	1.13E-03	586
POP. INTERDICTION AREA (ha)	1.0000	4.92E+03	4.43E+03	7.59E+03	8.44E+03	1.06E+04	1.14E+04	1.44E+04	5.99E-04	382
FARM CONDEMNATION (ha)	0.9977	7.90E+01	4.54E+01	2.05E+02	2.55E+02	3.38E+02	3.64E+02	4.91E+02	3.23E-04	90
POP. CONDEMNATION (INDIVIDUALS)	0.5055	2.97E+01	1.15E+00	9.42E+01	1.38E+02	2.57E+02	3.10E+02	4.46E+02	1.14E-03	463
POP. CONDEMNATION AREA (ha)	0.9954	3.86E+01	1.61E+01	1.02E+02	1.38E+02	2.44E+02	2.93E+02	3.81E+02	1.13E-03	439
MILK DISPOSAL AREA (ha)	1.0000	5.62E+03	5.27E+03	9.12E+03	1.03E+04	1.21E+04	1.30E+04	1.51E+04	1.11E-03	392
CROP DISPOSAL AREA (ha)	1.0000	5.85E+03	5.45E+03	9.72E+03	1.10E+04	1.41E+04	1.57E+04	1.98E+04	1.12E-03	391

	PROB	QUANTILES					PEAK	PEAK	PEAK	
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
AFFECTED AREA/POPULATION	16.1-32.2 km									
FARM DECONTAMINATION (ha)	0.9684	5.96E+03	5.10E+03	1.10E+04	1.24E+04	1.65E+04	1.87E+04	2.90E+04	1.43E-04	77
POP. DECONTAMINATION (INDIVIDUALS)	0.9684	2.45E+04	1.60E+04	5.76E+04	7.36E+04	1.02E+05	1.07E+05	1.29E+05	3.71E-04	89
POP. DECONTAMINATION AREA (ha)	0.9684	7.29E+03	7.05E+03	1.17E+04	1.32E+04	1.73E+04	1.95E+04	2.97E+04	1.12E-03	464
FARM INTERDICTION (ha)	0.9886	9.12E+03	7.99E+03	1.57E+04	1.98E+04	2.68E+04	3.04E+04	4.09E+04	1.11E-03	392
POP. INTERDICTION (INDIVIDUALS)	0.9684	2.45E+04	1.60E+04	5.76E+04	7.36E+04	1.02E+05	1.07E+05	1.29E+05	3.71E-04	89
POP. INTERDICTION AREA (ha)	0.9684	7.29E+03	7.05E+03	1.17E+04	1.32E+04	1.73E+04	1.95E+04	2.97E+04	1.12E-03	464
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)	0.9875	8.29E+03	7.26E+03	1.42E+04	1.75E+04	2.33E+04	2.54E+04	3.32E+04	1.14E-04	78
CROP DISPOSAL AREA (ha)	0.9886	9.12E+03	7.99E+03	1.57E+04	1.98E+04	2.68E+04	3.04E+04	4.09E+04	1.11E-03	392

	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)	0.6521	3.19E+03	2.08E+03	7.92E+03	1.02E+04	1.40E+04	1.60E+04	2.41E+04	1.43E-04	144
POP. DECONTAMINATION (INDIVIDUALS)	0.6521	1.87E+04	6.51E+03	5.61E+04	7.39E+04	1.02E+05	1.12E+05	1.79E+05	1.43E-04	144
POP. DECONTAMINATION AREA (ha)	0.6521	4.60E+03	3.40E+03	1.09E+04	1.28E+04	1.88E+04	2.10E+04	3.29E+04	1.14E-04	14
FARM INTERDICTION (ha)	0.8293	7.15E+03	6.03E+03	1.46E+04	1.88E+04	2.81E+04	3.17E+04	3.81E+04	1.14E-03	50
POP. INTERDICTION (INDIVIDUALS)	0.6521	1.87E+04	6.51E+03	5.61E+04	7.39E+04	1.02E+05	1.12E+05	1.79E+05	1.43E-04	144
POP. INTERDICTION AREA (ha)	0.6521	4.60E+03	3.40E+03	1.09E+04	1.28E+04	1.88E+04	2.10E+04	3.29E+04	1.14E-04	14
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)	0.7923	5.93E+03	4.69E+03	1.27E+04	1.59E+04	2.42E+04	2.79E+04	3.81E+04	1.14E-03	50
CROP DISPOSAL AREA (ha)	0.8293	7.15E+03	6.03E+03	1.46E+04	1.88E+04	2.81E+04	3.17E+04	3.81E+04	1.14E-03	50

	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)	0.2875	1.43E+03	0.00E+00	5.03E+03	7.57E+03	1.31E+04	1.61E+04	2.58E+04	1.14E-03	2
POP. DECONTAMINATION (INDIVIDUALS)	0.2875	1.11E+04	0.00E+00	3.15E+04	6.12E+04	1.73E+05	2.32E+05	5.28E+05	8.56E-04	303
POP. DECONTAMINATION AREA (ha)	0.2875	2.46E+03	0.00E+00	8.69E+03	1.24E+04	2.11E+04	2.36E+04	3.54E+04	1.14E-03	2
FARM INTERDICTION (ha)	0.5507	4.61E+03	2.11E+03	1.23E+04	1.62E+04	2.62E+04	3.14E+04	4.91E+04	1.14E-03	2
POP. INTERDICTION (INDIVIDUALS)	0.2875	1.11E+04	0.00E+00	3.15E+04	6.12E+04	1.73E+05	2.32E+05	5.28E+05	8.56E-04	303
POP. INTERDICTION AREA (ha)	0.2875	2.46E+03	0.00E+00	8.69E+03	1.24E+04	2.11E+04	2.36E+04	3.54E+04	1.14E-03	2
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)	0.4750	3.48E+03	0.00E+00	1.04E+04	1.33E+04	2.20E+04	2.56E+04	4.91E+04	1.14E-03	2
CROP DISPOSAL AREA (ha)	0.5507	4.61E+03	2.11E+03	1.23E+04	1.62E+04	2.62E+04	3.14E+04	4.91E+04	1.14E-03	2

	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)	0.1227	7.66E+02	0.00E+00	3.11E+03	4.68E+03	1.20E+04	1.42E+04	2.65E+04	1.14E-04	417
POP. DECONTAMINATION (INDIVIDUALS)	0.1227	5.06E+03	0.00E+00	6.22E+03	3.87E+04	9.89E+04	1.25E+05	2.28E+05	1.14E-04	417
POP. DECONTAMINATION AREA (ha)	0.1227	1.33E+03	0.00E+00	4.86E+03	9.19E+03	2.18E+04	2.43E+04	4.08E+04	1.14E-04	417
FARM INTERDICTION (ha)	0.3696	3.39E+03	0.00E+00	1.14E+04	1.56E+04	2.93E+04	3.26E+04	3.98E+04	1.11E-03	75
POP. INTERDICTION (INDIVIDUALS)	0.1227	5.06E+03	0.00E+00	6.22E+03	3.87E+04	9.89E+04	1.25E+05	2.28E+05	1.14E-04	417
POP. INTERDICTION AREA (ha)	0.1227	1.33E+03	0.00E+00	4.86E+03	9.19E+03	2.18E+04	2.43E+04	4.08E+04	1.14E-04	417
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)	0.2873	2.43E+03	0.00E+00	8.77E+03	1.27E+04	2.59E+04	3.16E+04	3.98E+04	1.11E-03	75
CROP DISPOSAL AREA (ha)	0.3696	3.39E+03	0.00E+00	1.14E+04	1.56E+04	2.93E+04	3.26E+04	3.98E+04	1.11E-03	75

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
AFFECTED AREA/POPULATION 80.5-161 km										
FARM DECONTAMINATION (ha)	0.0469	8.64E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E+04	3.17E+04	4.98E+04	1.14E-04 88
POP. DECONTAMINATION (INDIVIDUALS)	0.0469	6.70E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E+05	3.66E+05	1.64E+06	1.14E-03 118
POP. DECONTAMINATION AREA (ha)	0.0469	1.50E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E+04	5.49E+04	8.64E+04	1.14E-03 853
FARM INTERDICTION (ha)	0.2185	7.76E+03	0.00E+00	2.55E+04	4.50E+04	1.04E+05	1.28E+05	2.01E+05	1.13E-03 379	
POP. INTERDICTION (INDIVIDUALS)	0.0469	6.70E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E+05	3.66E+05	1.64E+06	1.14E-03 118
POP. INTERDICTION AREA (ha)	0.0469	1.50E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E+04	5.49E+04	8.64E+04	1.14E-03 853
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	0.00E+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	0.00E+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	0.00E+00 0
MILK DISPOSAL AREA (ha)	0.1543	5.10E+03	0.00E+00	1.57E+04	3.37E+04	8.44E+04	1.06E+05	1.64E+05	1.13E-03 837	
CROP DISPOSAL AREA (ha)	0.2185	7.76E+03	0.00E+00	2.55E+04	4.50E+04	1.04E+05	1.28E+05	2.01E+05	1.13E-03 379	

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
AFFECTED AREA/POPULATION 161-322 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	0.00E+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	0.00E+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	0.00E+00 0
FARM INTERDICTION (ha)	0.0160	1.51E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E+04	1.22E+05	2.19E+05	2.27E-03 1
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	0.00E+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	0.00E+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	0.00E+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	0.00E+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	0.00E+00 0
MILK DISPOSAL AREA (ha)	0.0125	1.16E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E+04	1.10E+05	2.19E+05	2.27E-03 1
CROP DISPOSAL AREA (ha)	0.0160	1.51E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E+04	1.22E+05	2.19E+05	2.27E-03 1

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

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

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
MAXIMUM ANNUAL FOOD DOSE (EFFECTIVE)										
PROJECTED FOR INDIVIDUAL 11.3-16.1 km	1.0000	1.22E-02	1.04E-02	2.36E-02	2.83E-02	3.12E-02	3.18E-02	3.31E-02	1.14E-03 140	
PROJECTED FOR INDIVIDUAL 25.8-32.2 km	1.0000	1.30E-02	1.11E-02	2.38E-02	2.76E-02	3.10E-02	3.16E-02	3.30E-02	1.13E-03 132	
PROJECTED FOR INDIVIDUAL 40.2-48.3 km	1.0000	1.31E-02	1.10E-02	2.39E-02	2.73E-02	3.09E-02	3.15E-02	3.28E-02	1.15E-03 152	
PROJECTED FOR INDIVIDUAL 48.3-64.4 km	1.0000	1.29E-02	1.08E-02	2.42E-02	2.81E-02	3.11E-02	3.17E-02	3.30E-02	1.14E-03 221	
PROJECTED FOR INDIVIDUAL 64.4-80.5 km	1.0000	1.15E-02	9.67E-03	2.24E-02	2.55E-02	3.04E-02	3.08E-02	3.31E-02	1.43E-04 159	
PROJECTED FOR INDIVIDUAL 113-161 km	1.0000	7.33E-03	4.56E-03	1.72E-02	2.11E-02	2.61E-02	2.85E-02	3.07E-02	1.14E-03 216	
PROJECTED FOR INDIVIDUAL 241-322 km	1.0000	2.67E-03	1.31E-03	6.91E-03	9.43E-03	1.57E-02	1.95E-02	2.97E-02	1.14E-03 318	
PROJECTED FOR INDIVIDUAL 563-805 km	1.0000	1.04E-03	2.79E-04	3.12E-03	3.85E-03	6.26E-03	7.45E-03	1.22E-02	1.13E-03 334	
PROJECTED FOR INDIVIDUAL 805-1609 km	1.0000	1.21E-04	3.49E-05	3.69E-04	5.60E-04	8.79E-04	1.03E-03	1.51E-03	1.12E-03 335	

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
MAXIMUM ANNUAL FOOD DOSE (THYROID)										
PROJECTED FOR INDIVIDUAL 11.3-16.1 km	1.0000	1.35E-02	1.09E-02	2.90E-02	3.09E-02	3.36E-02	3.48E-02	3.75E-02	1.14E-03 170	
PROJECTED FOR INDIVIDUAL 25.8-32.2 km	1.0000	1.44E-02	1.19E-02	2.94E-02	3.10E-02	3.37E-02	3.49E-02	3.76E-02	1.13E-03 132	
PROJECTED FOR INDIVIDUAL 40.2-48.3 km	1.0000	1.45E-02	1.16E-02	3.00E-02	3.10E-02	3.34E-02	3.45E-02	3.69E-02	1.14E-03 213	
PROJECTED FOR INDIVIDUAL 48.3-64.4 km	1.0000	1.43E-02	1.15E-02	2.87E-02	3.06E-02	3.22E-02	3.30E-02	3.74E-02	1.14E-04 148	
PROJECTED FOR INDIVIDUAL 64.4-80.5 km	1.0000	1.27E-02	1.03E-02	2.59E-02	3.02E-02	3.29E-02	3.41E-02	3.68E-02	1.14E-03 141	
PROJECTED FOR INDIVIDUAL 113-161 km	1.0000	8.03E-03	5.14E-03	2.00E-02	2.31E-02	3.06E-02	3.16E-02	3.40E-02	1.14E-03 216	
PROJECTED FOR INDIVIDUAL 241-322 km	1.0000	2.89E-03	1.39E-03	7.29E-03	9.97E-03	1.67E-02	2.07E-02	3.14E-02	1.14E-03 318	
PROJECTED FOR INDIVIDUAL 563-805 km	1.0000	1.09E-03	2.94E-04	3.25E-03	4.05E-03	6.56E-03	7.62E-03	1.22E-02	1.13E-03 334	
PROJECTED FOR INDIVIDUAL 805-1609 km	1.0000	1.25E-04	3.53E-05	3.85E-04	5.77E-04	9.09E-04	1.07E-03	1.48E-03	1.12E-03 335	

**** 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 1793.750 CPU seconds

Input processing required 0.406 CPU seconds
Simulation required 1791.734 CPU seconds
Output processing required 1.609 CPU seconds