```
BLOCK=OLD
DATASET=ISOTXS
BLOCK=STP027,3
DATASET=A.STP027
01         0     0     0     1     0     0     0     0     0     0     1
02         0     1     0     2     0     0     0     0     0     0
03         1     0     1     0     0     1     0     0000000010000
DATASET=A.DIF3D
01     RINSC  LEU   9/30/98
02     20000900000     0
03         0     0     0     0   150     0     0     8     0     0    50
04         0     0     0    01   000    10   000     0     0  0000     0
05               1.0E-7      5.0E-5      5.0E-5
06            1.00000E-0       0.001       0.004     2.000-6      1.0000
DATASET=A.HMG4C
01         RINSC LEU Eq. Core at step 9c, rearrange 4 innermost FAs ALL RODS 100% OUT    2-2010
02    500000     1     0     0     0     0     0     0
DATASET=A.NIP3
01          RINSC LEU STARTUP CORE
01          ALL CONTROL BLADES FULL OUT
01          REG ROD FULL OUT
02                    1 25000                              1
03               44
04                 2     2     2     2     2     2
06    H2ORFO 0.0          113.03          0    37 0.0          160.0
06    TCB1   0.0          113.03          0    37 0.0          29.527
06    TCB2   11.43        101.60          5    33 0.0          52.387
06    TC1    0.0          113.03          0    37 0.0          26.987
06    TC2    13.97        99.06           6    32 26.987       49.847
06    GSBOX  26.352       86.678          5    28 52.387       63.187
06    SHIELD 27.940       85.090          8    27 53.977       61.597
06    GRID   26.085       86.945          2     4 63.822       135.146
06    GBOX   26.085       86.945          4    31 63.822       135.146
06    H2ORFI 26.720       86.310          4    31 64.457       134.511
06    AXREFT 26.773       86.257         26    31 64.51        134.458
06    AXREFB 26.773       86.257          4     9 64.51        134.458
06    POST1  26.085       34.545          4    31 63.822       72.282
06    POST2  26.085       34.545          4    31 126.686      135.146
06    POST3  78.485       86.945          4    31 63.822       72.282
06    POST4  78.485       86.945          4    31 126.686      135.146
06    GRAF1  44.857       68.173          7    29 64.51        72.282
01  moved 5 Be to core boundary  E8 D8 C8 E2 C2 11/98
06    BEEC8  44.857       68.173          7    29 118.914      126.686
06    BE-E2  44.857       52.629          7    29 72.282       80.054
06    BE-C2  60.401       68.173          7    29 72.282       80.054
06    GRAF5  34.545       42.317          7    29 64.51        126.686
06    BEF5A  34.545       42.317          9    26 80.054       118.914             Be
06    GRAF6  70.713       78.485          7    29 64.51        126.686
06    BEF6A  70.713       78.485          9    26 80.054       118.914             Be
01 move 2 BE away    BE1    26.773      34.545          9    26 72.282      126.686
06    GRAG1  26.773       34.545          9    26 72.282       126.686             G
01 move 2 Be away    BE2    78.485      86.257          9    26 72.282      126.686
06    GRAG2  78.485       86.257          9    26 72.282       126.686             G
06    FC     78.485       86.257         35    37 126.686      134.458
06    CIC    26.773       34.545         35    37 126.686      134.458
01  RBBL1S to BE-F9    11/98
06    BE-F9  34.545       42.317          9    26 126.686      134.458
01  RBBL2S to BE-E9 updated from rinsc info 8/98
01  removed RB box  11/98  06    RBBL2E 45.351      52.135          9    26 126.686     134.458
01  removed 06    RB2    45.351      52.135          9    26 127.0417    134.1023
06    G-E9   44.857       52.629          9    26 126.686      134.458
06    RBBL3S 52.629       60.401          9    26 126.686      134.458
06    RBBL3E 53.123       59.907          9    26 126.686      134.458
06    RB3    53.123       59.907          9    26 127.0417     134.1023
06    RBBL4S 60.401       68.173          9    26 126.686      134.458
06    RBBL4E 60.895       67.679          9    26 126.686      134.458
06    RB4    60.895       67.679          9    26 127.0417     134.1023
06    RBBL5S 70.713       78.485          9    26 126.686      134.458
06    RBBL5E 71.207       77.991          9    26 126.686      134.458
06    RB5    71.207       77.991          9    26 127.0417     134.1023
06    E3A    44.857       52.629          9    13 80.054       87.826
06    E4A    44.857       52.629          9    13 87.826       95.598
06    E5A    44.857       52.629          9    13 95.598       103.370
06    E6A    44.857       52.629          9    13 103.370      111.142
06    E7A    44.857       52.629          9    13 111.142      118.914
06    D3A    52.629       60.401          9    13 80.054       87.826
06    D4A    52.629       60.401          9    13 87.826       95.598
06    D6A    52.629       60.401          9    13 103.370      111.142
06    D7A    52.629       60.401          9    13 111.142      118.914
06    C3A    60.401       68.173          9    13 80.054       87.826
06    C4A    60.401       68.173          9    13 87.826       95.598
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06    C5A    60.401      68.173          9    13 95.598      103.370
06    C6A    60.401      68.173          9    13 103.370     111.142
06    C7A    60.401      68.173          9    13 111.142     118.914
06    E3B    44.857      52.629         13    17 80.054      87.826
06    E4B    44.857      52.629         13    17 87.826      95.598
06    E5B    44.857      52.629         13    17 95.598      103.370
06    E6B    44.857      52.629         13    17 103.370     111.142
06    E7B    44.857      52.629         13    17 111.142     118.914
06    D3B    52.629      60.401         13    17 80.054      87.826
06    D4B    52.629      60.401         13    17 87.826      95.598
06    D6B    52.629      60.401         13    17 103.370     111.142
06    D7B    52.629      60.401         13    17 111.142     118.914
06    C3B    60.401      68.173         13    17 80.054      87.826
06    C4B    60.401      68.173         13    17 87.826      95.598
06    C5B    60.401      68.173         13    17 95.598      103.370
06    C6B    60.401      68.173         13    17 103.370     111.142
06    C7B    60.401      68.173         13    17 111.142     118.914
06    E3C    44.857      52.629         17    21 80.054      87.826
06    E4C    44.857      52.629         17    21 87.826      95.598
06    E5C    44.857      52.629         17    21 95.598      103.370
06    E6C    44.857      52.629         17    21 103.370     111.142
06    E7C    44.857      52.629         17    21 111.142     118.914
06    D3C    52.629      60.401         17    21 80.054      87.826
06    D4C    52.629      60.401         17    21 87.826      95.598
06    D6C    52.629      60.401         17    21 103.370     111.142
06    D7C    52.629      60.401         17    21 111.142     118.914
06    C3C    60.401      68.173         17    21 80.054      87.826
06    C4C    60.401      68.173         17    21 87.826      95.598
06    C5C    60.401      68.173         17    21 95.598      103.370
06    C6C    60.401      68.173         17    21 103.370     111.142
06    C7C    60.401      68.173         17    21 111.142     118.914
06    E3D    44.857      52.629         21    26 80.054      87.826
06    E4D    44.857      52.629         21    26 87.826      95.598
06    E5D    44.857      52.629         21    26 95.598      103.370
06    E6D    44.857      52.629         21    26 103.370     111.142
06    E7D    44.857      52.629         21    26 111.142     118.914
06    D3D    52.629      60.401         21    26 80.054      87.826
06    D4D    52.629      60.401         21    26 87.826      95.598
06    D6D    52.629      60.401         21    26 103.370     111.142
06    D7D    52.629      60.401         21    26 111.142     118.914
06    C3D    60.401      68.173         21    26 80.054      87.826
06    C4D    60.401      68.173         21    26 87.826      95.598
06    C5D    60.401      68.173         21    26 95.598      103.370
06    C6D    60.401      68.173         21    26 103.370     111.142
06    C7D    60.401      68.173         21    26 111.142     118.914
06    S1     44.857      45.7015         9    26 80.054      118.914
06    S2     51.7845     52.629          9    26 80.054      118.914
06    S3     52.629      53.4735         9    26 80.054      118.914
06    S4     59.5565     60.401          9    26 80.054      118.914
06    S5     60.401      61.2455         9    26 80.054      118.914
06    S6     67.3285     68.173          9    26 80.054      118.914
06    G1     42.317      44.857          9    26 64.51       70.086
06    G2     42.317      44.857          9    26 98.090      100.878
06    G3     42.317      44.857          9    26 128.882     134.458
06    G4     68.173      70.713          9    26 64.51       70.086
06    G5     68.173      70.713          9    26 98.090      100.878
06    G6     68.173      70.713          9    26 128.882     134.458
06    TRAP   52.629      60.401          9    26 95.598      103.370
01  flux trap size different   9/98  **
01  06    HOLE   54.8265     58.2035         9    26 97.7955     101.1725
06    HOLE   54.6861     58.3439         9    26 97.6551     101.3130
01  G1 to G6 CR guide tubes
06    CNTL1O 68.173      70.713          7    30 100.878     128.882
06    CNTL2O 68.173      70.713          7    30 70.086      98.090
06    CNTL3O 42.317      44.857          7    30 70.086      98.090
06    CNTL4O 42.317      44.857          7    30 100.878     128.882
06    CNTL1I 68.173      70.713         30    37 100.878     128.882
06    CNTL2I 68.173      70.713         30    37 70.086      98.090
06    CNTL3I 42.317      44.857         30    37 70.086      98.090
06    CNTL4I 42.317      44.857         30    37 100.878     128.882
06    BLADE1 69.11915    69.76685       30    37 101.507     128.253
06    BLADE2 69.11915    69.76685       30    37 70.715      97.461
06    BLADE3 43.26315    43.91085       30    37 70.715      97.461
06    BLADE4 43.26315    43.91085       30    37 101.507     128.253
06    REGOUT 52.629      60.401          7    37 72.282      80.054
01  make the reg rod fully out  9/98 **
06    REGIN1 52.629      60.401         30    37 72.282      80.054
06    ROD1   53.816      59.214         30    37 73.46925    78.86675
06    REGIN2 54.451      58.579         30    37 74.10425    78.23175
07    E3    E3A   E3B   E3C   E3D
07    E4    E4A   E4B   E4C   E4D
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07    E5    E5A   E5B   E5C   E5D
07    E6    E6A   E6B   E6C   E6D
07    E7    E7A   E7B   E7C   E7D
07    D3    D3A   D3B   D3C   D3D
07    D4    D4A   D4B   D4C   D4D
07    D6    D6A   D6B   D6C   D6D
07    D7    D7A   D7B   D7C   D7D
07    C3    C3A   C3B   C3C   C3D
07    C4    C4A   C4B   C4C   C4D
07    C5    C5A   C5B   C5C   C5D
07    C6    C6A   C6B   C6C   C6D
07    C7    C7A   C7B   C7C   C7D
07    FUEL  E3A   E3B   E3C   E3D
07    FUEL  E4A   E4B   E4C   E4D
07    FUEL  E5A   E5B   E5C   E5D
07    FUEL  E6A   E6B   E6C   E6D
07    FUEL  E7A   E7B   E7C   E7D
07    FUEL  D3A   D3B   D3C   D3D
07    FUEL  D4A   D4B   D4C   D4D
07    FUEL  D6A   D6B   D6C   D6D
07    FUEL  D7A   D7B   D7C   D7D
07    FUEL  C3A   C3B   C3C   C3D
07    FUEL  C4A   C4B   C4C   C4D
07    FUEL  C5A   C5B   C5C   C5D
07    FUEL  C6A   C6B   C6C   C6D
07    FUEL  C7A   C7B   C7C   C7D
09         X     1   11.430000     1   13.970000     1   26.085000
09         X     1   26.352000     1   26.720000     1   26.773000
09         X     1   27.940000     1   34.545000     1   35.039000
09         X     1   41.823000     1   42.317000     1   43.263150
09         X     2   43.910850     1   44.857000     1   45.351000
09         X     1   45.701500     3   51.784500     1   52.135000
09         X     1   52.629000     1   53.123000     1   53.473500
09         X     1   53.816000     2   54.451000     1   54.686100
09         X     2   58.343900     1   58.579000     2   59.214000
09         X     1   59.556500     1   59.907000     1   60.401000
09         X     1   60.895000     1   61.245500     3   67.328500
09         X     1   67.679000     1   68.173000     1   69.119150
09         X     2   69.766850     1   70.713000     1   71.207000
09         X     1   77.991000     1   78.485000     1   85.090000
09         X     1   86.257000     1   86.310000     1   86.678000
09         X     1   86.945000     1   99.060000     1  101.600000
09         X     1  113.030000
09         Y     1  26.987         1  29.527         3  49.847
09         Y     1  52.387         1  53.977         2  61.597
09         Y     1  63.187         1  63.822         1  64.457
09         Y     1  64.51          3  70.086         1  70.715
09         Y     1  72.282         1  73.46925       2  74.10425
09         Y     3  78.23175       2  78.86675
09         Y     2  80.054         2  82.8145        1  85.0655
09         Y     2  87.826         2  90.5865        1  92.8375
09         Y     2  95.598         2  97.461         1  97.6551
09         Y     1  98.090         1  100.878        1  101.3130
09         Y     1  101.507
09         Y     2  103.370        2  106.1305       1  108.3815
09         Y     2  111.142        2  113.9025       1  116.1535
09         Y     2  118.914
09         Y     1  119.2697       3  126.3303       1  126.686
09         Y     1  127.0417       1  128.253
09         Y     1  128.882        1  134.1023
09         Y     1  134.458        1  134.511        1  135.146
09         Y     4  160.0
09         Z     2  13.36          1  26.22
09         Z     1  28.45          1  29.72
09         Z     1  32.26          1  34.16          1  35.75
09         Z     1  37.0175       14  88.690625      2  95.44
09         Z     1  96.0725
09         Z     1  97.35          1  103.38         1  107.503
09         Z     1  110.510        1  116.08         1  117.35
09         Z     1  119.89         2  137.39         2  158.94
13          MEAT  U5D8 0 1.75523E-03U8D8 0 7.04193E-03ALF4 0 3.88984E-02
13          MEAT  SIF4 0 5.94365E-03
13          MEAT  U6D8 0 1.00000E-10P9D8 0 1.00000E-10P0D8 0 1.00000E-10
13          MEAT  P1D8 0 1.00000E-10P2D8 0 1.00000E-10FXEB 0 1.00000E-10
13          MEAT  FPMB 0 1.00000E-10FSMB 0 1.00000E-10FI5B 0 1.00000E-10
13          MEAT  PFP1 0 1.00000E-10ODUM 0 1.00000E-10
13          CLAD  ALF4 0 6.02669E-02B10F 0 2.98636E-07B11F 0 1.21115E-06
13          MOD   HF4  0 6.68610E-02OF4  0 3.34305E-02
14          NEWF  MEAT   0.14380    CLAD   0.21570    MOD    0.64050
14          MNEW  NEWF   1.00000
15    MNEW  E3A
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15    MNEW  E3B
15    MNEW  E3C
15    MNEW  E3D
15    MNEW  E7A
15    MNEW  E7B
15    MNEW  E7C
15    MNEW  E7D
15    MNEW  C3A
15    MNEW  C3B
15    MNEW  C3C
15    MNEW  C3D
15    MNEW  C7A
15    MNEW  C7B
15    MNEW  C7C
15    MNEW  C7D
     Material composition from EOC at 105 days of rbsc3-step9a run  5-2010
13          MTE3A U5D8 0 1.67636E-03U6D8 0 1.39298E-05U8D8 0 7.03477E-03      $   E3A          Doppler T700
13          MTE3A P9D8 0 2.89854E-07P0D8 0 1.10772E-08P1D8 0 2.34409E-06
13          MTE3A P2D8 0 1.07177E-07FXEB 0 1.15167E-08FI5B 0 1.75473E-08
13          MTE3A FPMB 0 2.36321E-08FSMB 0 1.36502E-07PFP1 0 7.14534E-05
13          MTE3A ODUM 0 3.10848E-06
13          MTE3B U5D8 0 1.63950E-03U6D8 0 2.06349E-05U8D8 0 7.03060E-03      $   E3B          Doppler T700
13          MTE3B P9D8 0 4.36836E-07P0D8 0 2.46912E-08P1D8 0 3.95250E-06
13          MTE3B P2D8 0 2.72615E-07FXEB 0 1.33512E-08FI5B 0 2.56648E-08
13          MTE3B FPMB 0 3.46085E-08FSMB 0 1.34972E-07PFP1 0 1.05028E-04
13          MTE3B ODUM 0 4.19805E-06
13          MTE3C U5D8 0 1.63887E-03U6D8 0 2.07413E-05U8D8 0 7.03060E-03      $   E3C          Doppler T700
13          MTE3C P9D8 0 4.38860E-07P0D8 0 2.49346E-08P1D8 0 3.97900E-06
13          MTE3C P2D8 0 2.75967E-07FXEB 0 1.33720E-08FI5B 0 2.57907E-08
13          MTE3C FPMB 0 3.47796E-08FSMB 0 1.34937E-07PFP1 0 1.05570E-04
13          MTE3C ODUM 0 4.21509E-06
13          MTE3D U5D8 0 1.67462E-03U6D8 0 1.42434E-05U8D8 0 7.03477E-03      $   E3D          Doppler T700
13          MTE3D P9D8 0 2.95848E-07P0D8 0 1.15563E-08P1D8 0 2.41739E-06
13          MTE3D P2D8 0 1.13088E-07FXEB 0 1.16259E-08FI5B 0 1.79221E-08
13          MTE3D FPMB 0 2.41391E-08FSMB 0 1.36565E-07PFP1 0 7.30320E-05
13          MTE3D ODUM 0 3.16120E-06

13          MTE4A U5D8 0 1.52406E-03U6D8 0 4.12524E-05U8D8 0 7.01947E-03      $   E4A  Doppler T700
13          MTE4A P9D8 0 8.27190E-07P0D8 0 9.25661E-08P1D8 0 6.38866E-06
13          MTE4A P2D8 0 9.33380E-07FXEB 0 1.15786E-08FI5B 0 1.97754E-08
13          MTE4A FPMB 0 2.66961E-08FSMB 0 1.26363E-07PFP1 0 2.09277E-04
13          MTE4A ODUM 0 1.09068E-05
13          MTE4B U5D8 0 1.42170E-03U6D8 0 6.01453E-05U8D8 0 7.00695E-03      $   E4B  Doppler T700
13          MTE4B P9D8 0 1.16954E-06P0D8 0 1.91683E-07P1D8 0 9.91168E-06
13          MTE4B P2D8 0 2.25967E-06FXEB 0 1.26718E-08FI5B 0 2.81599E-08
13          MTE4B FPMB 0 3.81168E-08FSMB 0 1.19367E-07PFP1 0 3.02065E-04
13          MTE4B ODUM 0 1.59478E-05
13          MTE4C U5D8 0 1.42010E-03U6D8 0 6.04367E-05U8D8 0 7.00695E-03      $   E4C  Doppler T700
13          MTE4C P9D8 0 1.17371E-06P0D8 0 1.93338E-07P1D8 0 9.96384E-06
13          MTE4C P2D8 0 2.28547E-06FXEB 0 1.26794E-08FI5B 0 2.82802E-08
13          MTE4C FPMB 0 3.82816E-08FSMB 0 1.19249E-07PFP1 0 3.03526E-04
13          MTE4C ODUM 0 1.60341E-05
13          MTE4D U5D8 0 1.51940E-03U6D8 0 4.21099E-05U8D8 0 7.01878E-03      $   E4D  Doppler T700
13          MTE4D P9D8 0 8.41446E-07P0D8 0 9.60918E-08P1D8 0 6.55424E-06
13          MTE4D P2D8 0 9.80459E-07FXEB 0 1.16460E-08FI5B 0 2.01273E-08
13          MTE4D FPMB 0 2.71752E-08FSMB 0 1.26134E-07PFP1 0 2.13512E-04
13          MTE4D ODUM 0 1.11175E-05

13          MTE5A U5D8 0 1.49534E-03U6D8 0 4.64159E-05U8D8 0 7.01669E-03      $   E5A  Doppler T700
13          MTE5A P9D8 0 8.92768E-07P0D8 0 1.14478E-07P1D8 0 7.40960E-06
13          MTE5A P2D8 0 1.23950E-06FXEB 0 1.19388E-08FI5B 0 2.20369E-08
13          MTE5A FPMB 0 2.97663E-08FSMB 0 1.24179E-07PFP1 0 2.35174E-04
13          MTE5A ODUM 0 1.21780E-05
13          MTE5B U5D8 0 1.38324E-03U6D8 0 6.71975E-05U8D8 0 7.00209E-03      $   E5B  Doppler T700
13          MTE5B P9D8 0 1.24458E-06P0D8 0 2.31690E-07P1D8 0 1.11307E-05
13          MTE5B P2D8 0 2.91245E-06FXEB 0 1.27809E-08FI5B 0 3.08081E-08
13          MTE5B FPMB 0 4.17371E-08FSMB 0 1.16502E-07PFP1 0 3.36592E-04
13          MTE5B ODUM 0 1.81224E-05
13          MTE5C U5D8 0 1.38150E-03U6D8 0 6.75250E-05U8D8 0 7.00209E-03      $   E5C  Doppler T700
13          MTE5C P9D8 0 1.24882E-06P0D8 0 2.33644E-07P1D8 0 1.11864E-05
13          MTE5C P2D8 0 2.94513E-06FXEB 0 1.27858E-08FI5B 0 3.09346E-08
13          MTE5C FPMB 0 4.19117E-08FSMB 0 1.16384E-07PFP1 0 3.38213E-04
13          MTE5C ODUM 0 1.82295E-05
13          MTE5D U5D8 0 1.49013E-03U6D8 0 4.73693E-05U8D8 0 7.01530E-03      $   E5D  Doppler T700
13          MTE5D P9D8 0 9.07789E-07P0D8 0 1.18727E-07P1D8 0 7.58901E-06
13          MTE5D P2D8 0 1.30056E-06FXEB 0 1.19910E-08FI5B 0 2.23880E-08
13          MTE5D FPMB 0 3.02462E-08FSMB 0 1.23915E-07PFP1 0 2.39875E-04
13          MTE5D ODUM 0 1.24228E-05

13          MTE6A U5D8 0 1.58373E-03U6D8 0 3.06029E-05U8D8 0 7.02503E-03      $   E6A  Doppler T700
13          MTE6A P9D8 0 6.31377E-07P0D8 0 5.19054E-08P1D8 0 5.12163E-06
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13          MTE6A P2D8 0 5.36697E-07FXEB 0 1.21467E-08FI5B 0 2.10612E-08
13          MTE6A FPMB 0 2.84145E-08FSMB 0 1.30876E-07PFP1 0 1.55424E-04
13          MTE6A ODUM 0 7.35675E-06
13          MTE6B U5D8 0 1.50633E-03U6D8 0 4.49026E-05U8D8 0 7.01599E-03      $   E6B  Doppler T700
13          MTE6B P9D8 0 9.15160E-07P0D8 0 1.10688E-07P1D8 0 8.13143E-06
13          MTE6B P2D8 0 1.31161E-06FXEB 0 1.34791E-08FI5B 0 3.03331E-08
13          MTE6B FPMB 0 4.10139E-08FSMB 0 1.25821E-07PFP1 0 2.25994E-04
13          MTE6B ODUM 0 1.04166E-05
13          MTE6C U5D8 0 1.50501E-03U6D8 0 4.51328E-05U8D8 0 7.01599E-03      $   E6C  Doppler T700
13          MTE6C P9D8 0 9.18915E-07P0D8 0 1.11725E-07P1D8 0 8.17942E-06
13          MTE6C P2D8 0 1.32733E-06FXEB 0 1.34910E-08FI5B 0 3.04722E-08
13          MTE6C FPMB 0 4.12051E-08FSMB 0 1.25730E-07PFP1 0 2.27142E-04
13          MTE6C ODUM 0 1.04694E-05
13          MTE6D U5D8 0 1.58004E-03U6D8 0 3.12914E-05U8D8 0 7.02503E-03      $   E6D  Doppler T700
13          MTE6D P9D8 0 6.43526E-07P0D8 0 5.40688E-08P1D8 0 5.26878E-06
13          MTE6D P2D8 0 5.65953E-07FXEB 0 1.22281E-08FI5B 0 2.14673E-08
13          MTE6D FPMB 0 2.89659E-08FSMB 0 1.30730E-07PFP1 0 1.58853E-04
13          MTE6D ODUM 0 7.49791E-06

13          MTE7A U5D8 0 1.66912E-03U6D8 0 1.52684E-05U8D8 0 7.03407E-03      $   E7A  Doppler T700
13          MTE7A P9D8 0 3.15730E-07P0D8 0 1.32135E-08P1D8 0 2.65278E-06
13          MTE7A P2D8 0 1.33275E-07FXEB 0 1.19624E-08FI5B 0 1.91356E-08
13          MTE7A FPMB 0 2.57789E-08FSMB 0 1.36419E-07PFP1 0 7.80668E-05
13          MTE7A ODUM 0 3.32955E-06
13          MTE7B U5D8 0 1.62921E-03U6D8 0 2.25800E-05U8D8 0 7.02990E-03      $   E7B  Doppler T700
13          MTE7B P9D8 0 4.74374E-07P0D8 0 2.93275E-08P1D8 0 4.41217E-06
13          MTE7B P2D8 0 3.34402E-07FXEB 0 1.37281E-08FI5B 0 2.79228E-08
13          MTE7B FPMB 0 3.76683E-08FSMB 0 1.34471E-07PFP1 0 1.14499E-04
13          MTE7B ODUM 0 4.50730E-06
13          MTE7C U5D8 0 1.62851E-03U6D8 0 2.27024E-05U8D8 0 7.02990E-03      $   E7C  Doppler T700
13          MTE7C P9D8 0 4.76676E-07P0D8 0 2.96314E-08P1D8 0 4.44263E-06
13          MTE7C P2D8 0 3.38693E-07FXEB 0 1.37490E-08FI5B 0 2.80675E-08
13          MTE7C FPMB 0 3.78644E-08FSMB 0 1.34423E-07PFP1 0 1.15125E-04
13          MTE7C ODUM 0 4.52705E-06
13          MTE7D U5D8 0 1.66704E-03U6D8 0 1.56495E-05U8D8 0 7.03407E-03      $   E7D  Doppler T700
13          MTE7D P9D8 0 3.22747E-07P0D8 0 1.38394E-08P1D8 0 2.74332E-06
13          MTE7D P2D8 0 1.41391E-07FXEB 0 1.20807E-08FI5B 0 1.95911E-08
13          MTE7D FPMB 0 2.63950E-08FSMB 0 1.36439E-07PFP1 0 7.99861E-05
13          MTE7D ODUM 0 3.39242E-06

13          MTD3A U5D8 0 1.60362E-03U6D8 0 2.69743E-05U8D8 0 7.02782E-03      $   D3A  Doppler T700
13          MTD3A P9D8 0 5.61885E-07P0D8 0 4.06898E-08P1D8 0 4.33630E-06
13          MTD3A P2D8 0 3.98873E-07FXEB 0 1.14645E-08FI5B 0 1.80946E-08
13          MTD3A FPMB 0 2.43971E-08FSMB 0 1.32656E-07PFP1 0 1.37378E-04
13          MTD3A ODUM 0 6.62399E-06
13          MTD3B U5D8 0 1.53470E-03U6D8 0 3.96405E-05U8D8 0 7.01947E-03      $   D3B  Doppler T700
13          MTD3B P9D8 0 8.22879E-07P0D8 0 8.76634E-08P1D8 0 7.03547E-06
13          MTD3B P2D8 0 9.90542E-07FXEB 0 1.29771E-08FI5B 0 2.60994E-08
13          MTD3B FPMB 0 3.52587E-08FSMB 0 1.28199E-07PFP1 0 2.00146E-04
13          MTD3B ODUM 0 9.25800E-06
13          MTD3C U5D8 0 1.53352E-03U6D8 0 3.98401E-05U8D8 0 7.01947E-03      $   D3C  Doppler T700
13          MTD3C P9D8 0 8.26286E-07P0D8 0 8.84771E-08P1D8 0 7.07858E-06
13          MTD3C P2D8 0 1.00236E-06FXEB 0 1.29923E-08FI5B 0 2.62225E-08
13          MTD3C FPMB 0 3.54263E-08FSMB 0 1.28122E-07PFP1 0 2.01154E-04
13          MTD3C ODUM 0 9.30181E-06
13          MTD3D U5D8 0 1.60042E-03U6D8 0 2.75654E-05U8D8 0 7.02712E-03      $   D3D  Doppler T700
13          MTD3D P9D8 0 5.72684E-07P0D8 0 4.23700E-08P1D8 0 4.46252E-06
13          MTD3D P2D8 0 4.20188E-07FXEB 0 1.15577E-08FI5B 0 1.84611E-08
13          MTD3D FPMB 0 2.48936E-08FSMB 0 1.32538E-07PFP1 0 1.40327E-04
13          MTD3D ODUM 0 6.74444E-06

13          MTD4A U5D8 0 1.44611E-03U6D8 0 5.55014E-05U8D8 0 7.01043E-03      $   D4A  Doppler T700
13          MTD4A P9D8 0 1.07462E-06P0D8 0 1.61433E-07P1D8 0 8.21905E-06
13          MTD4A P2D8 0 1.68505E-06FXEB 0 1.15348E-08FI5B 0 2.08519E-08
13          MTD4A FPMB 0 2.81857E-08FSMB 0 1.21495E-07PFP1 0 2.79715E-04
13          MTD4A ODUM 0 1.57942E-05
13          MTD4B U5D8 0 1.31530E-03U6D8 0 7.99235E-05U8D8 0 6.99305E-03      $   D4B  Doppler T700
13          MTD4B P9D8 0 1.47086E-06P0D8 0 3.17643E-07P1D8 0 1.21085E-05
13          MTD4B P2D8 0 3.93060E-06FXEB 0 1.22031E-08FI5B 0 2.87775E-08
13          MTD4B FPMB 0 3.90264E-08FSMB 0 1.12232E-07PFP1 0 3.97552E-04
13          MTD4B ODUM 0 2.42872E-05
13          MTD4C U5D8 0 1.31321E-03U6D8 0 8.02990E-05U8D8 0 6.99305E-03      $   D4C  Doppler T700
13          MTD4C P9D8 0 1.47538E-06P0D8 0 3.20146E-07P1D8 0 1.21634E-05
13          MTD4C P2D8 0 3.97337E-06FXEB 0 1.22045E-08FI5B 0 2.88915E-08
13          MTD4C FPMB 0 3.91836E-08FSMB 0 1.12079E-07PFP1 0 3.99367E-04
13          MTD4C ODUM 0 2.44409E-05
13          MTD4D U5D8 0 1.44033E-03U6D8 0 5.65737E-05U8D8 0 7.00974E-03      $   D4D  Doppler T700
13          MTD4D P9D8 0 1.09138E-06P0D8 0 1.66975E-07P1D8 0 8.40195E-06
13          MTD4D P2D8 0 1.76335E-06FXEB 0 1.15779E-08FI5B 0 2.11565E-08
13          MTD4D FPMB 0 2.86022E-08FSMB 0 1.21182E-07PFP1 0 2.84937E-04
13          MTD4D ODUM 0 1.61161E-05
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13          MTD6A U5D8 0 1.42865E-03U6D8 0 5.88755E-05U8D8 0 7.00765E-03      $   D6A  Doppler T700
13          MTD6A P9D8 0 1.12775E-06P0D8 0 1.79923E-07P1D8 0 8.76704E-06
13          MTD6A P2D8 0 1.93338E-06FXEB 0 1.16280E-08FI5B 0 2.16843E-08
13          MTD6A FPMB 0 2.93227E-08FSMB 0 1.20223E-07PFP1 0 2.95675E-04
13          MTD6A ODUM 0 1.67983E-05
13          MTD6B U5D8 0 1.29228E-03U6D8 0 8.45271E-05U8D8 0 6.98957E-03      $   D6B  Doppler T700
13          MTD6B P9D8 0 1.53046E-06P0D8 0 3.49917E-07P1D8 0 1.27058E-05
13          MTD6B P2D8 0 4.44033E-06FXEB 0 1.21885E-08FI5B 0 2.98248E-08
13          MTD6B FPMB 0 4.04701E-08FSMB 0 1.10501E-07PFP1 0 4.18498E-04
13          MTD6B ODUM 0 2.61836E-05
13          MTD6C U5D8 0 1.29013E-03U6D8 0 8.49374E-05U8D8 0 6.98957E-03      $   D6C  Doppler T700
13          MTD6C P9D8 0 1.53505E-06P0D8 0 3.52705E-07P1D8 0 1.27629E-05
13          MTD6C P2D8 0 4.48978E-06FXEB 0 1.21892E-08FI5B 0 2.99451E-08
13          MTD6C FPMB 0 4.06363E-08FSMB 0 1.10341E-07PFP1 0 4.20487E-04
13          MTD6C ODUM 0 2.63623E-05
13          MTD6D U5D8 0 1.42211E-03U6D8 0 6.01043E-05U8D8 0 7.00765E-03      $   D6D  Doppler T700
13          MTD6D P9D8 0 1.14604E-06P0D8 0 1.86474E-07P1D8 0 8.97288E-06
13          MTD6D P2D8 0 2.03004E-06FXEB 0 1.16690E-08FI5B 0 2.20195E-08
13          MTD6D FPMB 0 2.97809E-08FSMB 0 1.19854E-07PFP1 0 3.01634E-04
13          MTD6D ODUM 0 1.71801E-05

13          MTD7A U5D8 0 1.59159E-03U6D8 0 2.93602E-05U8D8 0 7.02573E-03      $   D7A  Doppler T700
13          MTD7A P9D8 0 6.10960E-07P0D8 0 4.78303E-08P1D8 0 4.80911E-06
13          MTD7A P2D8 0 4.83150E-07FXEB 0 1.18581E-08FI5B 0 1.95612E-08
13          MTD7A FPMB 0 2.63860E-08FSMB 0 1.32357E-07PFP1 0 1.48547E-04
13          MTD7A ODUM 0 7.10570E-06
13          MTD7B U5D8 0 1.51857E-03U6D8 0 4.29541E-05U8D8 0 7.01739E-03      $   D7B  Doppler T700
13          MTD7B P9D8 0 8.89152E-07P0D8 0 1.01627E-07P1D8 0 7.65925E-06
13          MTD7B P2D8 0 1.17615E-06FXEB 0 1.32691E-08FI5B 0 2.79694E-08
13          MTD7B FPMB 0 3.78067E-08FSMB 0 1.27643E-07PFP1 0 2.15243E-04
13          MTD7B ODUM 0 9.98957E-06
13          MTD7C U5D8 0 1.51739E-03U6D8 0 4.31822E-05U8D8 0 7.01669E-03      $   D7C  Doppler T700
13          MTD7C P9D8 0 8.92907E-07P0D8 0 1.02608E-07P1D8 0 7.70723E-06
13          MTD7C P2D8 0 1.19082E-06FXEB 0 1.32844E-08FI5B 0 2.81092E-08
13          MTD7C FPMB 0 3.79972E-08FSMB 0 1.27559E-07PFP1 0 2.16377E-04
13          MTD7C ODUM 0 1.00410E-05
13          MTD7D U5D8 0 1.58776E-03U6D8 0 3.00730E-05U8D8 0 7.02503E-03      $   D7D  Doppler T700
13          MTD7D P9D8 0 6.23519E-07P0D8 0 4.99826E-08P1D8 0 4.96106E-06
13          MTD7D P2D8 0 5.11627E-07FXEB 0 1.19583E-08FI5B 0 2.00014E-08
13          MTD7D FPMB 0 2.69833E-08FSMB 0 1.32197E-07PFP1 0 1.52079E-04
13          MTD7D ODUM 0 7.25174E-06

13          MTC3A U5D8 0 1.67622E-03U6D8 0 1.39548E-05U8D8 0 7.03477E-03      $   C3A  Doppler T700
13          MTC3A P9D8 0 2.91113E-07P0D8 0 1.11439E-08P1D8 0 2.34882E-06
13          MTC3A P2D8 0 1.07566E-07FXEB 0 1.15271E-08FI5B 0 1.75772E-08
13          MTC3A FPMB 0 2.36725E-08FSMB 0 1.36523E-07PFP1 0 7.15577E-05
13          MTC3A ODUM 0 3.11252E-06
13          MTC3B U5D8 0 1.63936E-03U6D8 0 2.06752E-05U8D8 0 7.03060E-03      $   C3B  Doppler T700
13          MTC3B P9D8 0 4.39235E-07P0D8 0 2.48693E-08P1D8 0 3.95960E-06
13          MTC3B P2D8 0 2.73560E-07FXEB 0 1.33630E-08FI5B 0 2.57121E-08
13          MTC3B FPMB 0 3.46725E-08FSMB 0 1.34993E-07PFP1 0 1.05181E-04
13          MTC3B ODUM 0 4.20417E-06
13          MTC3C U5D8 0 1.63873E-03U6D8 0 2.07816E-05U8D8 0 7.03060E-03      $   C3C  Doppler T700
13          MTC3C P9D8 0 4.41280E-07P0D8 0 2.51154E-08P1D8 0 3.98616E-06
13          MTC3C P2D8 0 2.76926E-07FXEB 0 1.33839E-08FI5B 0 2.58387E-08
13          MTC3C FPMB 0 3.48442E-08FSMB 0 1.34958E-07PFP1 0 1.05723E-04
13          MTC3C ODUM 0 4.22135E-06
13          MTC3D U5D8 0 1.67448E-03U6D8 0 1.42691E-05U8D8 0 7.03477E-03      $   C3D  Doppler T700
13          MTC3D P9D8 0 2.97156E-07P0D8 0 1.16273E-08P1D8 0 2.42225E-06
13          MTC3D P2D8 0 1.13498E-07FXEB 0 1.16363E-08FI5B 0 1.79534E-08
13          MTC3D FPMB 0 2.41808E-08FSMB 0 1.36586E-07PFP1 0 7.31363E-05
13          MTC3D ODUM 0 3.16530E-06

13          MTC4A U5D8 0 1.59402E-03U6D8 0 2.87337E-05U8D8 0 7.02643E-03      $   C4A  Doppler T700
13          MTC4A P9D8 0 5.98846E-07P0D8 0 4.62357E-08P1D8 0 4.72510E-06
13          MTC4A P2D8 0 4.59861E-07FXEB 0 1.19889E-08FI5B 0 2.02267E-08
13          MTC4A FPMB 0 2.72809E-08FSMB 0 1.31592E-07PFP1 0 1.46134E-04
13          MTC4A ODUM 0 6.97427E-06
13          MTC4B U5D8 0 1.52072E-03U6D8 0 4.22163E-05U8D8 0 7.01808E-03      $   C4B  Doppler T700
13          MTC4B P9D8 0 8.72323E-07P0D8 0 9.91933E-08P1D8 0 7.58762E-06
13          MTC4B P2D8 0 1.13609E-06FXEB 0 1.33943E-08FI5B 0 2.91732E-08
13          MTC4B FPMB 0 3.94305E-08FSMB 0 1.26843E-07PFP1 0 2.12816E-04
13          MTC4B ODUM 0 9.81572E-06
13          MTC4C U5D8 0 1.51961E-03U6D8 0 4.24249E-05U8D8 0 7.01808E-03      $   C4C  Doppler T700
13          MTC4C P9D8 0 8.75869E-07P0D8 0 1.00090E-07P1D8 0 7.63213E-06
13          MTC4C P2D8 0 1.14937E-06FXEB 0 1.34068E-08FI5B 0 2.93039E-08
13          MTC4C FPMB 0 3.96092E-08FSMB 0 1.26759E-07PFP1 0 2.13860E-04
13          MTC4C ODUM 0 9.86161E-06
13          MTC4D U5D8 0 1.59068E-03U6D8 0 2.93338E-05U8D8 0 7.02643E-03      $   C4D  Doppler T700
13          MTC4D P9D8 0 6.09854E-07P0D8 0 4.80542E-08P1D8 0 4.85334E-06
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13          MTC4D P2D8 0 4.83220E-07FXEB 0 1.20695E-08FI5B 0 2.06001E-08
13          MTC4D FPMB 0 2.77879E-08FSMB 0 1.31474E-07PFP1 0 1.49117E-04
13          MTC4D ODUM 0 7.09666E-06

13          MTC5A U5D8 0 1.50494E-03U6D8 0 4.46530E-05U8D8 0 7.01739E-03      $   C5A  Doppler T700
13          MTC5A P9D8 0 8.66203E-07P0D8 0 1.06919E-07P1D8 0 7.08762E-06
13          MTC5A P2D8 0 1.12385E-06FXEB 0 1.19910E-08FI5B 0 2.20716E-08
13          MTC5A FPMB 0 2.98088E-08FSMB 0 1.24875E-07PFP1 0 2.26453E-04
13          MTC5A ODUM 0 1.17288E-05
13          MTC5B U5D8 0 1.39659E-03U6D8 0 6.47191E-05U8D8 0 7.00417E-03      $   C5B  Doppler T700
13          MTC5B P9D8 0 1.21293E-06P0D8 0 2.17559E-07P1D8 0 1.07385E-05
13          MTC5B P2D8 0 2.66266E-06FXEB 0 1.28776E-08FI5B 0 3.09193E-08
13          MTC5B FPMB 0 4.18776E-08FSMB 0 1.17497E-07PFP1 0 3.24576E-04
13          MTC5B ODUM 0 1.73296E-05
13          MTC5C U5D8 0 1.39492E-03U6D8 0 6.50243E-05U8D8 0 7.00417E-03      $   C5C  Doppler T700
13          MTC5C P9D8 0 1.21704E-06P0D8 0 2.19367E-07P1D8 0 1.07914E-05
13          MTC5C P2D8 0 2.69207E-06FXEB 0 1.28825E-08FI5B 0 3.10473E-08
13          MTC5C FPMB 0 4.20535E-08FSMB 0 1.17371E-07PFP1 0 3.26106E-04
13          MTC5C ODUM 0 1.74270E-05
13          MTC5D U5D8 0 1.50021E-03U6D8 0 4.55271E-05U8D8 0 7.01669E-03      $   C5D  Doppler T700
13          MTC5D P9D8 0 8.80389E-07P0D8 0 1.10744E-07P1D8 0 7.25382E-06
13          MTC5D P2D8 0 1.17656E-06FXEB 0 1.20466E-08FI5B 0 2.24277E-08
13          MTC5D FPMB 0 3.02935E-08FSMB 0 1.24652E-07PFP1 0 2.30751E-04
13          MTC5D ODUM 0 1.19492E-05

13          MTC6A U5D8 0 1.50967E-03U6D8 0 4.40675E-05U8D8 0 7.01739E-03      $   C6A  Doppler T700
13          MTC6A P9D8 0 8.77469E-07P0D8 0 1.04889E-07P1D8 0 6.89736E-06
13          MTC6A P2D8 0 1.08853E-06FXEB 0 1.16801E-08FI5B 0 2.04645E-08
13          MTC6A FPMB 0 2.76363E-08FSMB 0 1.25348E-07PFP1 0 2.22594E-04
13          MTC6A ODUM 0 1.15932E-05
13          MTC6B U5D8 0 1.40229E-03U6D8 0 6.40362E-05U8D8 0 7.00417E-03      $   C6B  Doppler T700
13          MTC6B P9D8 0 1.23171E-06P0D8 0 2.14847E-07P1D8 0 1.05299E-05
13          MTC6B P2D8 0 2.59152E-06FXEB 0 1.26871E-08FI5B 0 2.90716E-08
13          MTC6B FPMB 0 3.93700E-08FSMB 0 1.17969E-07PFP1 0 3.19944E-04
13          MTC6B ODUM 0 1.71120E-05
13          MTC6C U5D8 0 1.40056E-03U6D8 0 6.43588E-05U8D8 0 7.00417E-03      $   C6C  Doppler T700
13          MTC6C P9D8 0 1.23616E-06P0D8 0 2.16739E-07P1D8 0 1.05862E-05
13          MTC6C P2D8 0 2.62197E-06FXEB 0 1.26933E-08FI5B 0 2.91975E-08
13          MTC6C FPMB 0 3.95431E-08FSMB 0 1.17844E-07PFP1 0 3.21544E-04
13          MTC6C ODUM 0 1.72135E-05
13          MTC6D U5D8 0 1.50424E-03U6D8 0 4.50605E-05U8D8 0 7.01669E-03      $   C6D  Doppler T700
13          MTC6D P9D8 0 8.93324E-07P0D8 0 1.09152E-07P1D8 0 7.08693E-06
13          MTC6D P2D8 0 1.14791E-06FXEB 0 1.17455E-08FI5B 0 2.08414E-08
13          MTC6D FPMB 0 2.81502E-08FSMB 0 1.25070E-07PFP1 0 2.27483E-04
13          MTC6D ODUM 0 1.18421E-05

13          MTC7A U5D8 0 1.67017E-03U6D8 0 1.50869E-05U8D8 0 7.03407E-03      $   C7A  Doppler T700
13          MTC7A P9D8 0 3.12399E-07P0D8 0 1.29200E-08P1D8 0 2.60925E-06
13          MTC7A P2D8 0 1.29458E-07FXEB 0 1.19033E-08FI5B 0 1.89089E-08
13          MTC7A FPMB 0 2.54729E-08FSMB 0 1.36460E-07PFP1 0 7.71488E-05
13          MTC7A ODUM 0 3.29951E-06
13          MTC7B U5D8 0 1.63060E-03U6D8 0 2.23248E-05U8D8 0 7.02990E-03      $   C7B  Doppler T700
13          MTC7B P9D8 0 4.69103E-07P0D8 0 2.86752E-08P1D8 0 4.35070E-06
13          MTC7B P2D8 0 3.25800E-07FXEB 0 1.36794E-08FI5B 0 2.76092E-08
13          MTC7B FPMB 0 3.72441E-08FSMB 0 1.34548E-07PFP1 0 1.13241E-04
13          MTC7B ODUM 0 4.46648E-06
13          MTC7C U5D8 0 1.62990E-03U6D8 0 2.24451E-05U8D8 0 7.02990E-03      $   C7C  Doppler T700
13          MTC7C P9D8 0 4.71370E-07P0D8 0 2.89708E-08P1D8 0 4.38074E-06
13          MTC7C P2D8 0 3.29972E-07FXEB 0 1.37003E-08FI5B 0 2.77517E-08
13          MTC7C FPMB 0 3.74374E-08FSMB 0 1.34506E-07PFP1 0 1.13853E-04
13          MTC7C ODUM 0 4.48588E-06
13          MTC7D U5D8 0 1.66808E-03U6D8 0 1.54631E-05U8D8 0 7.03407E-03      $   C7D  Doppler T700
13          MTC7D P9D8 0 3.19318E-07P0D8 0 1.35306E-08P1D8 0 2.69847E-06
13          MTC7D P2D8 0 1.37344E-07FXEB 0 1.20216E-08FI5B 0 1.93588E-08
13          MTC7D FPMB 0 2.60807E-08FSMB 0 1.36481E-07PFP1 0 7.90403E-05
13          MTC7D ODUM 0 3.36175E-06
01   water in Be, G and Radiation Basket different from Ken's setup   9/98

13          FALSI ALF4 0 3.88984E-02SIF4 0 5.94365E-03

13          H2OBE BE-H 0 6.68610E-02BE-O 0 3.34305E-02
13          H2OG  G-H  0 6.68610E-02G-O  0 3.34305E-02
13          H2ORB RB-H 0 6.68610E-02RB-O 0 3.34305E-02
13          H2OR  HH2O 0 6.68610E-02OH2O 0 3.34305E-02
01  13  different Graphite density    9/98
01  13          GRAF  GRAF 0 8.52340E-02
13          GRAF  GRAF 0 8.02300E-02
13          H2OS  HS4  0 6.68610E-02OS4  0 3.34305E-02
13          H2OCR CRH  0 6.68610E-02CRO  0 3.34305E-02
13          ALS   ALS4 0 6.02669E-02B10S 0 2.98636E-07B11S 0 1.21115E-06
13          ALCR  CRAL 0 6.02669E-02B10S 0 2.98636E-07B11S 0 1.21115E-06
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13          ALB   ALB  0 6.02669E-02B10B 0 2.98636E-07B11B 0 1.21115E-06
13          ALBX  ALB  0 5.60774E-02SIB  0 4.06809E-03MGB  0 2.01411E-04
13          LEAD  PBS  0 3.29620E-02
13          BE    BET  0 1.23640E-01
13          ALP   ALT  0 6.02669E-02

14          FE3A  MTE3A  0.14380    CLAD   0.21570    MOD    0.64050
14          FE3A  FALSI  0.14380
14          FE3B  MTE3B  0.14380    CLAD   0.21570    MOD    0.64050
14          FE3B  FALSI  0.14380
14          FE3C  MTE3C  0.14380    CLAD   0.21570    MOD    0.64050
14          FE3C  FALSI  0.14380
14          FE3D  MTE3D  0.14380    CLAD   0.21570    MOD    0.64050
14          FE3D  FALSI  0.14380

14          FE7A  MTE7A  0.14380    CLAD   0.21570    MOD    0.64050
14          FE7A  FALSI  0.14380
14          FE7B  MTE7B  0.14380    CLAD   0.21570    MOD    0.64050
14          FE7B  FALSI  0.14380
14          FE7C  MTE7C  0.14380    CLAD   0.21570    MOD    0.64050
14          FE7C  FALSI  0.14380
14          FE7D  MTE7D  0.14380    CLAD   0.21570    MOD    0.64050
14          FE7D  FALSI  0.14380

14          FC3A  MTC3A  0.14380    CLAD   0.21570    MOD    0.64050
14          FC3A  FALSI  0.14380
14          FC3B  MTC3B  0.14380    CLAD   0.21570    MOD    0.64050
14          FC3B  FALSI  0.14380
14          FC3C  MTC3C  0.14380    CLAD   0.21570    MOD    0.64050
14          FC3C  FALSI  0.14380
14          FC3D  MTC3D  0.14380    CLAD   0.21570    MOD    0.64050
14          FC3D  FALSI  0.14380

14          FC7A  MTC7A  0.14380    CLAD   0.21570    MOD    0.64050
14          FC7A  FALSI  0.14380
14          FC7B  MTC7B  0.14380    CLAD   0.21570    MOD    0.64050
14          FC7B  FALSI  0.14380
14          FC7C  MTC7C  0.14380    CLAD   0.21570    MOD    0.64050
14          FC7C  FALSI  0.14380
14          FC7D  MTC7D  0.14380    CLAD   0.21570    MOD    0.64050
14          FC7D  FALSI  0.14380


14          FE4A  MTE4A  0.14380    CLAD   0.21570    MOD    0.64050
14          FE4A  FALSI  0.14380
14          FE4B  MTE4B  0.14380    CLAD   0.21570    MOD    0.64050
14          FE4B  FALSI  0.14380
14          FE4C  MTE4C  0.14380    CLAD   0.21570    MOD    0.64050
14          FE4C  FALSI  0.14380
14          FE4D  MTE4D  0.14380    CLAD   0.21570    MOD    0.64050
14          FE4D  FALSI  0.14380
14          FE5A  MTE5A  0.14380    CLAD   0.21570    MOD    0.64050
14          FE5A  FALSI  0.14380
14          FE5B  MTE5B  0.14380    CLAD   0.21570    MOD    0.64050
14          FE5B  FALSI  0.14380
14          FE5C  MTE5C  0.14380    CLAD   0.21570    MOD    0.64050
14          FE5C  FALSI  0.14380
14          FE5D  MTE5D  0.14380    CLAD   0.21570    MOD    0.64050
14          FE5D  FALSI  0.14380
14          FE6A  MTE6A  0.14380    CLAD   0.21570    MOD    0.64050
14          FE6A  FALSI  0.14380
14          FE6B  MTE6B  0.14380    CLAD   0.21570    MOD    0.64050
14          FE6B  FALSI  0.14380
14          FE6C  MTE6C  0.14380    CLAD   0.21570    MOD    0.64050
14          FE6C  FALSI  0.14380
14          FE6D  MTE6D  0.14380    CLAD   0.21570    MOD    0.64050
14          FE6D  FALSI  0.14380
14          FD3A  MTD3A  0.14380    CLAD   0.21570    MOD    0.64050
14          FD3A  FALSI  0.14380
14          FD3B  MTD3B  0.14380    CLAD   0.21570    MOD    0.64050
14          FD3B  FALSI  0.14380
14          FD3C  MTD3C  0.14380    CLAD   0.21570    MOD    0.64050
14          FD3C  FALSI  0.14380
14          FD3D  MTD3D  0.14380    CLAD   0.21570    MOD    0.64050
14          FD3D  FALSI  0.14380
14          FD4A  MTD4A  0.14380    CLAD   0.21570    MOD    0.64050
14          FD4A  FALSI  0.14380
14          FD4B  MTD4B  0.14380    CLAD   0.21570    MOD    0.64050
14          FD4B  FALSI  0.14380
14          FD4C  MTD4C  0.14380    CLAD   0.21570    MOD    0.64050
14          FD4C  FALSI  0.14380
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14          FD4D  MTD4D  0.14380    CLAD   0.21570    MOD    0.64050
14          FD4D  FALSI  0.14380
14          FD6A  MTD6A  0.14380    CLAD   0.21570    MOD    0.64050
14          FD6A  FALSI  0.14380
14          FD6B  MTD6B  0.14380    CLAD   0.21570    MOD    0.64050
14          FD6B  FALSI  0.14380
14          FD6C  MTD6C  0.14380    CLAD   0.21570    MOD    0.64050
14          FD6C  FALSI  0.14380
14          FD6D  MTD6D  0.14380    CLAD   0.21570    MOD    0.64050
14          FD6D  FALSI  0.14380
14          FD7A  MTD7A  0.14380    CLAD   0.21570    MOD    0.64050
14          FD7A  FALSI  0.14380
14          FD7B  MTD7B  0.14380    CLAD   0.21570    MOD    0.64050
14          FD7B  FALSI  0.14380
14          FD7C  MTD7C  0.14380    CLAD   0.21570    MOD    0.64050
14          FD7C  FALSI  0.14380
14          FD7D  MTD7D  0.14380    CLAD   0.21570    MOD    0.64050
14          FD7D  FALSI  0.14380
14          FC4A  MTC4A  0.14380    CLAD   0.21570    MOD    0.64050
14          FC4A  FALSI  0.14380
14          FC4B  MTC4B  0.14380    CLAD   0.21570    MOD    0.64050
14          FC4B  FALSI  0.14380
14          FC4C  MTC4C  0.14380    CLAD   0.21570    MOD    0.64050
14          FC4C  FALSI  0.14380
14          FC4D  MTC4D  0.14380    CLAD   0.21570    MOD    0.64050
14          FC4D  FALSI  0.14380
14          FC5A  MTC5A  0.14380    CLAD   0.21570    MOD    0.64050
14          FC5A  FALSI  0.14380
14          FC5B  MTC5B  0.14380    CLAD   0.21570    MOD    0.64050
14          FC5B  FALSI  0.14380
14          FC5C  MTC5C  0.14380    CLAD   0.21570    MOD    0.64050
14          FC5C  FALSI  0.14380
14          FC5D  MTC5D  0.14380    CLAD   0.21570    MOD    0.64050
14          FC5D  FALSI  0.14380
14          FC6A  MTC6A  0.14380    CLAD   0.21570    MOD    0.64050
14          FC6A  FALSI  0.14380
14          FC6B  MTC6B  0.14380    CLAD   0.21570    MOD    0.64050
14          FC6B  FALSI  0.14380
14          FC6C  MTC6C  0.14380    CLAD   0.21570    MOD    0.64050
14          FC6C  FALSI  0.14380
14          FC6D  MTC6D  0.14380    CLAD   0.21570    MOD    0.64050
14          FC6D  FALSI  0.14380

14          ME3A  FE3A   1.00000
14          ME3B  FE3B   1.00000
14          ME3C  FE3C   1.00000
14          ME3D  FE3D   1.00000
14          ME7A  FE7A   1.00000
14          ME7B  FE7B   1.00000
14          ME7C  FE7C   1.00000
14          ME7D  FE7D   1.00000
14          MC3A  FC3A   1.00000
14          MC3B  FC3B   1.00000
14          MC3C  FC3C   1.00000
14          MC3D  FC3D   1.00000
14          MC7A  FC7A   1.00000
14          MC7B  FC7B   1.00000
14          MC7C  FC7C   1.00000
14          MC7D  FC7D   1.00000

14          ME4A  FE4A   1.00000
14          ME4B  FE4B   1.00000
14          ME4C  FE4C   1.00000
14          ME4D  FE4D   1.00000
14          ME5A  FE5A   1.00000
14          ME5B  FE5B   1.00000
14          ME5C  FE5C   1.00000
14          ME5D  FE5D   1.00000
14          ME6A  FE6A   1.00000
14          ME6B  FE6B   1.00000
14          ME6C  FE6C   1.00000
14          ME6D  FE6D   1.00000
14          MD3A  FD3A   1.00000
14          MD3B  FD3B   1.00000
14          MD3C  FD3C   1.00000
14          MD3D  FD3D   1.00000
14          MD4A  FD4A   1.00000
14          MD4B  FD4B   1.00000
14          MD4C  FD4C   1.00000
14          MD4D  FD4D   1.00000
14          MD6A  FD6A   1.00000
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14          MD6B  FD6B   1.00000
14          MD6C  FD6C   1.00000
14          MD6D  FD6D   1.00000
14          MD7A  FD7A   1.00000
14          MD7B  FD7B   1.00000
14          MD7C  FD7C   1.00000
14          MD7D  FD7D   1.00000
14          MC4A  FC4A   1.00000
14          MC4B  FC4B   1.00000
14          MC4C  FC4C   1.00000
14          MC4D  FC4D   1.00000
14          MC5A  FC5A   1.00000
14          MC5B  FC5B   1.00000
14          MC5C  FC5C   1.00000
14          MC5D  FC5D   1.00000
14          MC6A  FC6A   1.00000
14          MC6B  FC6B   1.00000
14          MC6C  FC6C   1.00000
14          MC6D  FC6D   1.00000
01 Be block, Graphite block, and Be plug composition are different 9/18
01  14          BEBLK H2OBE  0.04178    BE     0.95822
01  14          BETRP H2OBE  0.03873    BE     0.96127
01  14          REFGR H2OG   0.14165    ALB    0.07113    GRAF   0.78722
14          BEBLK H2OBE  0.04620    BE     0.95380
14          BETPI H2OBE  0.08942    BE     0.91058
14          BETPO H2OBE  0.02478    BE     0.97522
14          REFGR H2OG   0.07348    ALB    0.03922    GRAF   0.88730
01  sideplate composition is different    9/98
01  14          SIDES H2OS   0.32360    ALS    0.67640
14          SIDES H2OS   0.29235    ALS    0.70765
14          AXH2O H2ORB  0.77100    ALB    0.05315    ALBX   0.17585
14          CNTL  H2OS   0.76496    ALS    0.23504
01   Reg rod out composition is different   9/98
01  14          REGO  H2OS   0.68347    ALS    0.31653
14          REGO  H2OCR  0.84580    ALCR   0.15420
14          REGI1 H2OCR  0.16000    ALCR   0.84000
14          REGI2 H2OCR  0.91000    ALCR   0.09000
14          ROD   CRSS 0 1.81655E-02MNSS 0 1.44994E-03FESS 0 5.75879E-02
14          ROD   NISS 0 7.81564E-03
01  CNTL0 use detail CR xs for water, composition same  9/98
14          CNTLO H2OCR  0.76496    ALCR   0.23504
14          CNTLI H2OS   0.53238    ALS    0.46762
14          BLADE B10C 0 7.92800E-03B11C 0 3.21530E-02C12C 0 1.00200E-02
14          BLADE ALC  0 3.81090E-02
14          POSTS H2ORB  0.50       ALB    0.50
14          BLOK1 H2ORB  0.04316    ALS    0.95684
14          BLOK2 H2ORB  0.57127    ALS    0.42873
14          BLOK3 H2ORB  0.01065    BE     0.98935
01  plug not used  14          PLUG  ALP    1.0
14          GBOX  H2ORB  0.37264    ALB    0.62726
14          GRID  H2ORB  0.60       ALB    0.40
14          REFH2OH2OR   1.0
14          GUIDE ALCR    1.0
14          BOX   ALB    1.0
14          SHIELDLEAD   1.0
14          THERM GRAF   1.0
15    SIDES S1    S2    S3    S4    S5    S6
15    REFH2OH2ORFOH2ORFIFC    RB3   RB4   RB5   CIC
15    BETPO TRAP
15    BETPI HOLE
15    REGO  REGOUT
15    REGI1 REGIN1
15    REGI2 REGIN2
15    ROD   ROD1
01  removed RBBL2S & RBBL2E, replace with G-E9
15    BLOK1 RBBL3SRBBL4SRBBL5S
15    BLOK2 RBBL3ERBBL4ERBBL5E
15    BEBLK BEF5A BEF6A BEEC8 BE-E2
15    BEBLK BE-C2 BE-F9
15    GRID  GRID
15    AXH2O AXREFTAXREFB
15    GUIDE G1    G2    G3    G4    G5    G6
15    CNTLO CNTL1OCNTL2OCNTL3OCNTL4O
15    CNTLI CNTL1ICNTL2ICNTL3ICNTL4I
15    BLADE BLADE1BLADE2BLADE3BLADE4
15    REFGR GRAF1 GRAF5 GRAF6 GRAG1 GRAG2
15    REFGR G-E9
15    GBOX  GSBOX
15    SHIELDSHIELD
15    THERM TC1   TC2
15    POSTS POST3 POST4 POST1 POST2
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```
15    BOX   GBOX  TCB1  TCB2
  1 move E4 to D4, E5
15    ME4A  E5A
15    ME4B  E5B
15    ME4C  E5C
15    ME4D  E5D

  Take E5 out
  15    ME5A  D4A
  15    ME5B  D4B
  15    ME5C  D4C
  15    ME5D  D4D

  2 MOVE E6 TO E5, D6
15    ME6A  D6A
15    ME6B  D6B
15    ME6C  D6C
15    ME6D  D6D

  3 MOVE D3 TO E4
15    MD3A  E4A
15    MD3B  E4B
15    MD3C  E4C
15    MD3D  E4D

  TAKE D4 OUT
  15    MD4A  D4A
  15    MD4B  D4B
  15    MD4C  D4C
  15    MD4D  D4D

  TAKE D6 OUT
  15    MD6A  D6A
  15    MD6B  D6B
  15    MD6C  D6C
  15    MD6D  D6D

  4 MOVE D7 TO C6
  15    MD7A  D7A
  15    MD7B  D7B
  15    MD7C  D7C
  15    MD7D  D7D
15    MD7A  C6A
15    MD7B  C6B
15    MD7C  C6C
15    MD7D  C6D

  5 Move C4 to D4
15    MC4A  D4A
15    MC4B  D4B
15    MC4C  D4C
15    MC4D  D4D

  TAKE C5 OUT
  15    MC5A  C5A
  15    MC5B  C5B
  15    MC5C  C5C
  15    MC5D  C5D

  6 MOVE C6 TO D6, C5
15    MC6A  C5A
15    MC6B  C5B
15    MC6C  C5C
15    MC6D  C5D

  7 MOVE E7 TO E6
15    ME7A  E6A
15    ME7B  E6B
15    ME7C  E6C
15    ME7D  E6D

  8 MOVE C3 TO C4
15    MC3A  C4A
15    MC3B  C4B
15    MC3C  C4C
15    MC3D  C4D

  9 MOVE C7 TO D7
15    MC7A  D7A
15    MC7B  D7B
15    MC7C  D7C
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15    MC7D  D7D

  10 MOVE E3 TO D3
15    ME3A  D3A
15    ME3B  D3B
15    ME3C  D3C
15    ME3D  D3D

34    BLADE -4.11428E-01     3       2.57877E+00     4
34    BLADE  9.15215E+01     5       2.02441E+03     6
34    BLADE  4.19631E+05     7
35    ADJB  0.0   .44189 0.0  .44189 0.0  .44189     3
35    ADJB  0.0   .10218 0.0  .10218 0.0  .10218     4
35    ADJB  0.0   .08354 0.0  .08354 0.0  .08354     5
35    ADJB  0.0   .07663 0.0  .07663 0.0  .07663     6
35    ADJB  0.0   .07598 0.0  .07598 0.0  .07598     7
36    ADJB  BLADE
DATASET=A.BURN
01         RINSC  LEU
    core3+4 new fuel, 2MW 100 days rundown
02         0280000     0       0.001       1.000      1.0000     1     1
03         0         0.0         0.0        7.00      -1.000     7     0
09    U235       1U236
09    U235       2XE135   2.4200-03 PM149   1.0666-02
09    U235       2I135    6.2966-02 ETFP        1.000
09    U235       5U234
09    U236       1DUMP
09    U236       2XE135   1.5847-03 PM149   1.3691-02
09    U236       2I135    5.6307-02 ETFP        1.000
09    U236       5U235
09    U238       1PU239
09    U238       2XE135   2.8000-04 PM149   1.6100-02
09    U238       2I135    6.8349-02 ETFP        1.000
09    U238       5DUMP
09    PU239      1PU240
09    PU239      2XE135   1.1524-02 PM149   1.2390-02
09    PU239      2I135    6.4494-02 ETFP        1.000
09    PU239      5DUMP
09    PU239      8U235
09    PU240      1PU241
09    PU240      2XE135   6.9843-03 PM149   1.3690-02
09    PU240      2I135    6.7476-02 ETFP        1.000
09    PU240      8U236
09    PU241      1PU242
09    PU241      2XE135   2.3140-03 PM149   1.5240-02
09    PU241      2I135    7.0698-02 ETFP        1.000
09    PU241      8DUMP
09    PU242      1DUMP
09    PU242      2XE135   2.6448-03 PM149   1.6152-02
09    PU242      2I135    6.9001-02 ETFP        1.000
09    PU242      5PU241
09    PU242      8U238
09    XE135      6DUMP
09    XE135      1DUMP
09    I135       1DUMP
09    I135       6XE135
09    PM149      6SM149
09    SM149      1DUMP
09    ETFP       1DUMP
09    DUMP       0
10    U235  U5D8 0
10    U236  U6D8 0
10    U238  U8D8 0
10    PU239 P9D8 0
10    PU240 P0D8 0
10    PU241 P1D8 0
10    PU242 P2D8 0
10    XE135 FXEB 0
10    PM149 FPMB 0
10    I135  FI5B 0
10    SM149 FSMB 0
10    ETFP  PFP1 0
10    DUMP  ODUM 0
24    U235       1           235.04
24    U236       0           236.04
24    U238       0           238.05
24    PU239      1           239.05
24    PU240      0           240.05
24    PU241      1           241.06
24    PU242      0           242.06
24    XE135      0           134.90
```

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24    I135       0            134.90
24    PM149      0            148.92
24    SM149      0            148.92
24    ETFP       0            100.00
24    DUMP       0            100.00
25    PU239      8U235      9.110-13
25    PU240      8U236      3.348-12
25    PU241      6DUMP      1.6633-9
25    PU241      8DUMP      1.665-12
25    PU242      8U238      5.842-14
25    XE135      6DUMP      2.0930-5
25    PM149      6SM149     3.6260-6
25    I135       6XE135     2.8740-5

35    NFC3A  MNEW  FMC3A     1     1
35    NFC3B  MNEW  FMC3B     1     1
35    NFC3C  MNEW  FMC3C     1     1
35    NFC3D  MNEW  FMC3D     1     1
35    NFC7A  MNEW  FMC7A     1     1
35    NFC7B  MNEW  FMC7B     1     1
35    NFC7C  MNEW  FMC7C     1     1
35    NFC7D  MNEW  FMC7D     1     1
35    NFE3A  MNEW  FME3A     1     1
35    NFE3B  MNEW  FME3B     1     1
35    NFE3C  MNEW  FME3C     1     1
35    NFE3D  MNEW  FME3D     1     1
35    NFE7A  MNEW  FME7A     1     1
35    NFE7B  MNEW  FME7B     1     1
35    NFE7C  MNEW  FME7C     1     1
35    NFE7D  MNEW  FME7D     1     1

  8 MOVE C3 TO C4
  35    PAC3A  MC3A  FMC3A     1     1
  35    PAC3B  MC3B  FMC3B     1     1
  35    PAC3C  MC3C  FMC3C     1     1
  35    PAC3D  MC3D  FMC3D     1     1
35    PAC3A  MC3A  FMC4A     1     1
35    PAC3B  MC3B  FMC4B     1     1
35    PAC3C  MC3C  FMC4C     1     1
35    PAC3D  MC3D  FMC4D     1     1

  10 E3 TO D3
  35    PAE3A  ME3A  FME3A     1     1
  35    PAE3B  ME3B  FME3B     1     1
  35    PAE3C  ME3C  FME3C     1     1
  35    PAE3D  ME3D  FME3D     1     1
35    PAE3A  ME3A  FMD3A     1     1
35    PAE3B  ME3B  FMD3B     1     1
35    PAE3C  ME3C  FMD3C     1     1
35    PAE3D  ME3D  FMD3D     1     1

  7  E7 TO E6
  35    PAE7A  ME7A  FME7A     1     1
  35    PAE7B  ME7B  FME7B     1     1
  35    PAE7C  ME7C  FME7C     1     1
  35    PAE7D  ME7D  FME7D     1     1
35    PAE7A  ME7A  FME6A     1     1
35    PAE7B  ME7B  FME6B     1     1
35    PAE7C  ME7C  FME6C     1     1
35    PAE7D  ME7D  FME6D     1     1

    1 E4 moved to D4, E5
35    PAE4A  ME4A  FME5A     1     1
35    PAE4B  ME4B  FME5B     1     1
35    PAE4C  ME4C  FME5C     1     1
35    PAE4D  ME4D  FME5D     1     1

    Remove E5
  35    PAE5A  ME5A  FMD4A     1     1
  35    PAE5B  ME5B  FMD4B     1     1
  35    PAE5C  ME5C  FMD4C     1     1
  35    PAE5D  ME5D  FMD4D     1     1

   2 E6 to E5, D6
35    PAE6A  ME6A  FMD6A     1     1
35    PAE6B  ME6B  FMD6B     1     1
35    PAE6C  ME6C  FMD6C     1     1
35    PAE6D  ME6D  FMD6D     1     1

   3 D3 to E4
  35    PAD3A  MD3A  FMD3A     1     1
```

```
  35    PAD3B  MD3B  FMD3B     1     1
  35    PAD3C  MD3C  FMD3C     1     1
  35    PAD3D  MD3D  FMD3D     1     1
35    PAD3A  MD3A  FME4A     1     1
35    PAD3B  MD3B  FME4B     1     1
35    PAD3C  MD3C  FME4C     1     1
35    PAD3D  MD3D  FME4D     1     1

  REMOVE D4
  35    PAD4A  MD4A  FMD4A     1     1
  35    PAD4B  MD4B  FMD4B     1     1
  35    PAD4C  MD4C  FMD4C     1     1
  35    PAD4D  MD4D  FMD4D     1     1
  REMOVE D6
  35    PAD6A  MD6A  FMD6A     1     1
  35    PAD6B  MD6B  FMD6B     1     1
  35    PAD6C  MD6C  FMD6C     1     1
  35    PAD6D  MD6D  FMD6D     1     1

  4 D7 to C6
  35    PAD7A  MD7A  FMD7A     1     1
  35    PAD7B  MD7B  FMD7B     1     1
  35    PAD7C  MD7C  FMD7C     1     1
  35    PAD7D  MD7D  FMD7D     1     1
35    PAD7A  MD7A  FMC6A     1     1
35    PAD7B  MD7B  FMC6B     1     1
35    PAD7C  MD7C  FMC6C     1     1
35    PAD7D  MD7D  FMC6D     1     1

  5 C4 to D4
35    PAC4A  MC4A  FMD4A     1     1
35    PAC4B  MC4B  FMD4B     1     1
35    PAC4C  MC4C  FMD4C     1     1
35    PAC4D  MC4D  FMD4D     1     1

  REMOVE C5
  35    PAC5A  MC5A  FMC5A     1     1
  35    PAC5B  MC5B  FMC5B     1     1
  35    PAC5C  MC5C  FMC5C     1     1
  35    PAC5D  MC5D  FMC5D     1     1

  6 C6 TO D6, C5
35    PAC6A  MC6A  FMC5A     1     1
35    PAC6B  MC6B  FMC5B     1     1
35    PAC6C  MC6C  FMC5C     1     1
35    PAC6D  MC6D  FMC5D     1     1

  9  C7 TO D7
  35    PAC7A  MC7A  FMC7A     1     1
  35    PAC7B  MC7B  FMC7B     1     1
  35    PAC7C  MC7C  FMC7C     1     1
  35    PAC7D  MC7D  FMC7D     1     1
35    PAC7A  MC7A  FMD7A     1     1
35    PAC7B  MC7B  FMD7B     1     1
35    PAC7C  MC7C  FMD7C     1     1
35    PAC7D  MC7D  FMD7D     1     1

45    FME3A  E3A
45    FME3B  E3B
45    FME3C  E3C
45    FME3D  E3D
45    FME4A  E4A
45    FME4B  E4B
45    FME4C  E4C
45    FME4D  E4D
45    FME5A  E5A
45    FME5B  E5B
45    FME5C  E5C
45    FME5D  E5D
45    FME6A  E6A
45    FME6B  E6B
45    FME6C  E6C
45    FME6D  E6D
45    FME7A  E7A
45    FME7B  E7B
45    FME7C  E7C
45    FME7D  E7D
45    FMD3A  D3A
45    FMD3B  D3B
45    FMD3C  D3C
45    FMD3D  D3D
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45    FMD4A  D4A
45    FMD4B  D4B
45    FMD4C  D4C
45    FMD4D  D4D
45    FMD6A  D6A
45    FMD6B  D6B
45    FMD6C  D6C
45    FMD6D  D6D
45    FMD7A  D7A
45    FMD7B  D7B
45    FMD7C  D7C
45    FMD7D  D7D
45    FMC3A  C3A
45    FMC3B  C3B
45    FMC3C  C3C
45    FMC3D  C3D
45    FMC4A  C4A
45    FMC4B  C4B
45    FMC4C  C4C
45    FMC4D  C4D
45    FMC5A  C5A
45    FMC5B  C5B
45    FMC5C  C5C
45    FMC5D  C5D
45    FMC6A  C6A
45    FMC6B  C6B
45    FMC6C  C6C
45    FMC6D  C6D
45    FMC7A  C7A
45    FMC7B  C7B
45    FMC7C  C7C
45    FMC7D  C7D
26    U5D80 U5D80 U6D80 U8D80 P9D80 P0D80 P1D80 P2D80 FXEB0 FPMB0 FSMB0
26    U5D80 FI5B0 PFP10
39    U5D80      5     7U6D80      5     7U8D80      5     7
39    P9D80      5     7P0D80      5     7P1D80      5     7
39    P2D80      5     7FXEB0      5     7FPMB0      5     7
39    FSMB0      5     7FI5B0      5     7PFP10      1     7
40    U5D80      2 1.00000E-03     3U6D80      2 1.00000E-03     3
40    U8D80      2 1.00000E-03     3P9D80      2 1.00000E-03     3
40    P0D80      2 1.00000E-03     3P1D80      2 1.00000E-03     3
40    P2D80      2 1.00000E-03     3FXEB0      0 1.00000E-03     3
40    FPMB0      0 1.00000E-03     3FSMB0      0 1.00000E-03     3
40    FI5B0      0 1.00000E-03     3PFP10      0 1.00000E-03     3
41    U5D80 U5D80  2.52427E-04 1.0000     U5D81  2.52090E-04 1.0000
41    U5D80 U5D82  2.48755E-04 1.0000     U5D83  2.35673E-04 1.0000
41    U5D80 U5D84  2.10551E-04 1.0000     U5D85  9.30573E-05 1.0000
41    U6D80 U6D80  2.52427E-04 1.0000     U6D81  2.52090E-04 1.0000
41    U6D80 U6D82  2.48755E-04 1.0000     U6D83  2.35673E-04 1.0000
41    U6D80 U6D84  2.10551E-04 1.0000     U6D85  9.30573E-05 1.0000
41    U8D80 U8D80  2.52427E-04 1.0000     U8D81  2.52090E-04 1.0000
41    U8D80 U8D82  2.48755E-04 1.0000     U8D83  2.35673E-04 1.0000
41    U8D80 U8D84  2.10551E-04 1.0000     U8D85  9.30573E-05 1.0000
41    P9D80 P9D80  2.52427E-04 1.0000     P9D81  2.52090E-04 1.0000
41    P9D80 P9D82  2.48755E-04 1.0000     P9D83  2.35673E-04 1.0000
41    P9D80 P9D84  2.10551E-04 1.0000     P9D85  9.30573E-05 1.0000
41    P0D80 P0D80  2.52427E-04 1.0000     P0D81  2.52090E-04 1.0000
41    P0D80 P0D82  2.48755E-04 1.0000     P0D83  2.35673E-04 1.0000
41    P0D80 P0D84  2.10551E-04 1.0000     P0D85  9.30573E-05 1.0000
41    P1D80 P1D80  2.52427E-04 1.0000     P1D81  2.52090E-04 1.0000
41    P1D80 P1D82  2.48755E-04 1.0000     P1D83  2.35673E-04 1.0000
41    P1D80 P1D84  2.10551E-04 1.0000     P1D85  9.30573E-05 1.0000
41    P2D80 P2D80  2.52427E-04 1.0000     P2D81  2.52090E-04 1.0000
41    P2D80 P2D82  2.48755E-04 1.0000     P2D83  2.35673E-04 1.0000
41    P2D80 P2D84  2.10551E-04 1.0000     P2D85  9.30573E-05 1.0000
41    FXEB0 FXEB0  2.52427E-04 1.0000     FXEB1  2.52090E-04 1.0000
41    FXEB0 FXEB2  2.48755E-04 1.0000     FXEB3  2.35673E-04 1.0000
41    FXEB0 FXEB4  2.10551E-04 1.0000     FXEB5  9.30573E-05 1.0000
41    FPMB0 FPMB0  2.52427E-04 1.0000     FPMB1  2.52090E-04 1.0000
41    FPMB0 FPMB2  2.48755E-04 1.0000     FPMB3  2.35673E-04 1.0000
41    FPMB0 FPMB4  2.10551E-04 1.0000     FPMB5  9.30573E-05 1.0000
41    FSMB0 FSMB0  2.52427E-04 1.0000     FSMB1  2.52090E-04 1.0000
41    FSMB0 FSMB2  2.48755E-04 1.0000     FSMB3  2.35673E-04 1.0000
41    FSMB0 FSMB4  2.10551E-04 1.0000     FSMB5  9.30573E-05 1.0000
41    FI5B0 FI5B0  2.52427E-04 1.0000     FI5B1  2.52090E-04 1.0000
41    FI5B0 FI5B2  2.48755E-04 1.0000     FI5B3  2.35673E-04 1.0000
41    FI5B0 FI5B4  2.10551E-04 1.0000     FI5B5  9.30573E-05 1.0000
41    PFP10 PFP10  2.52427E-04 0.0000     PFP11  2.52090E-04 1.0000
41    PFP10 PFP12  2.48755E-04 1.0000     PFP13  2.35673E-04 1.0000
41    PFP10 PFP14  2.10551E-04 1.0000     PFP15  9.30573E-05 0.5000
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