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BLOCK=OLD
DATASET=ISOTXS
DATASET=DLAYXS
BLOCK=VARI3D
DATASET=A.DIF3D
01      RINSC  LEU   9/30/98
02      20000900000      0
03      0      2      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
02      600000      1      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
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      G
06      GRAG2 78.485      86.257      9      26 72.282      126.686
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

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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
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</			

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		
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	U5F4	0 1.75523E-03U8F4	0 7.04193E-03ALF4	0 3.88984E-02		
13	MEAT	SIF4	0 5.94365E-03				
13	MEAT	FU6B	0 1.00000E-10FP9B	0 1.00000E-10FP0B	0 1.00000E-10		
13	MEAT	FP1B	0 1.00000E-10FP2B	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					
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 rbcs3-step9a run 5-2010

13	MTE3A	U5F4	0 1.67636E-03FU6B	0 1.39298E-05U8F4	0 7.03477E-03	\$	E3A	step9a 105
days								
13	MTE3A	FP9B	0 2.89854E-07FP0B	0 1.10772E-08FP1B	0 2.34409E-06			
13	MTE3A	FP2B	0 1.07177E-07FXEB	0 1.15167E-18FI5B	0 1.75473E-18			
13	MTE3A	FPMB	0 2.36321E-08FSMB	0 1.36502E-07PFP1	0 7.14534E-05			
13	MTE3A	ODUM	0 3.10848E-06					
13	MTE3B	U5F4	0 1.63950E-03FU6B	0 2.06349E-05U8F4	0 7.03060E-03	\$	E3B	step9a 105
days								
13	MTE3B	FP9B	0 4.36836E-07FP0B	0 2.46912E-08FP1B	0 3.95250E-06			
13	MTE3B	FP2B	0 2.72615E-07FXEB	0 1.33512E-18FI5B	0 2.56648E-18			
13	MTE3B	FPMB	0 3.46085E-08FSMB	0 1.34972E-07PFP1	0 1.05028E-04			
13	MTE3B	ODUM	0 4.19805E-06					
13	MTE3C	U5F4	0 1.63887E-03FU6B	0 2.07413E-05U8F4	0 7.03060E-03	\$	E3C	step9a 105
days								
13	MTE3C	FP9B	0 4.38860E-07FP0B	0 2.49346E-08FP1B	0 3.97900E-06			
13	MTE3C	FP2B	0 2.75967E-07FXEB	0 1.33720E-18FI5B	0 2.57907E-18			
13	MTE3C	FPMB	0 3.47796E-08FSMB	0 1.34937E-07PFP1	0 1.05570E-04			
13	MTE3C	ODUM	0 4.21509E-06					
13	MTE3D	U5F4	0 1.67462E-03FU6B	0 1.42434E-05U8F4	0 7.03477E-03	\$	E3D	step9a 105
days								
13	MTE3D	FP9B	0 2.95848E-07FP0B	0 1.15563E-08FP1B	0 2.41739E-06			
13	MTE3D	FP2B	0 1.13088E-07FXEB	0 1.16259E-18FI5B	0 1.79221E-18			
13	MTE3D	FPMB	0 2.41391E-08FSMB	0 1.36565E-07PFP1	0 7.30320E-05			
13	MTE3D	ODUM	0 3.16120E-06					
13	MTE4A	U5F4	0 1.52406E-03FU6B	0 4.12524E-05U8F4	0 7.01947E-03	\$	E4A	step9a 105 days

13	MTE4A	FP9B	0	8.27190E-07FP0B	0	9.25661E-08FP1B	0	6.38866E-06			
13	MTE4A	FP2B	0	9.33380E-07FXEB	0	1.15786E-18FI5B	0	1.97754E-18			
13	MTE4A	FPMB	0	2.66961E-08FSMB	0	1.26363E-07PFP1	0	2.09277E-04			
13	MTE4A	ODUM	0	1.09068E-05							
13	MTE4B	U5F4	0	1.42170E-03FU6B	0	6.01453E-05U8F4	0	7.00695E-03	\$	E4B	step9a 105 days
13	MTE4B	FP9B	0	1.16954E-06FP0B	0	1.91683E-07FP1B	0	9.91168E-06			
13	MTE4B	FP2B	0	2.25967E-06FXEB	0	1.26718E-18FI5B	0	2.81599E-18			
13	MTE4B	FPMB	0	3.81168E-08FSMB	0	1.19367E-07PFP1	0	3.02065E-04			
13	MTE4B	ODUM	0	1.59478E-05							
13	MTE4C	U5F4	0	1.42010E-03FU6B	0	6.04367E-05U8F4	0	7.00695E-03	\$	E4C	step9a 105 days
13	MTE4C	FP9B	0	1.17371E-06FP0B	0	1.93338E-07FP1B	0	9.96384E-06			
13	MTE4C	FP2B	0	2.28547E-06FXEB	0	1.26794E-18FI5B	0	2.82802E-18			
13	MTE4C	FPMB	0	3.82816E-08FSMB	0	1.19249E-07PFP1	0	3.03526E-04			
13	MTE4C	ODUM	0	1.60341E-05							
13	MTE4D	U5F4	0	1.51940E-03FU6B	0	4.21099E-05U8F4	0	7.01878E-03	\$	E4D	step9a 105 days
13	MTE4D	FP9B	0	8.41446E-07FP0B	0	9.60918E-08FP1B	0	6.55424E-06			
13	MTE4D	FP2B	0	9.80459E-07FXEB	0	1.16460E-18FI5B	0	2.01273E-18			
13	MTE4D	FPMB	0	2.71752E-08FSMB	0	1.26134E-07PFP1	0	2.13512E-04			
13	MTE4D	ODUM	0	1.11175E-05							
13	MTE5A	U5F4	0	1.49534E-03FU6B	0	4.64159E-05U8F4	0	7.01669E-03	\$	E5A	step9a 105 days
13	MTE5A	FP9B	0	8.92768E-07FP0B	0	1.14478E-07FP1B	0	7.40960E-06			
13	MTE5A	FP2B	0	1.23950E-06FXEB	0	1.19388E-18FI5B	0	2.20369E-18			
13	MTE5A	FPMB	0	2.97663E-08FSMB	0	1.24179E-07PFP1	0	2.35174E-04			
13	MTE5A	ODUM	0	1.21780E-05							
13	MTE5B	U5F4	0	1.38324E-03FU6B	0	6.71975E-05U8F4	0	7.00209E-03	\$	E5B	step9a 105 days
13	MTE5B	FP9B	0	1.24458E-06FP0B	0	2.31690E-07FP1B	0	1.11307E-05			
13	MTE5B	FP2B	0	2.91245E-06FXEB	0	1.27809E-18FI5B	0	3.08081E-18			
13	MTE5B	FPMB	0	4.17371E-08FSMB	0	1.16502E-07PFP1	0	3.36592E-04			
13	MTE5B	ODUM	0	1.81224E-05							
13	MTE5C	U5F4	0	1.38150E-03FU6B	0	6.75250E-05U8F4	0	7.00209E-03	\$	E5C	step9a 105 days
13	MTE5C	FP9B	0	1.24882E-06FP0B	0	2.33644E-07FP1B	0	1.11864E-05			
13	MTE5C	FP2B	0	2.94513E-06FXEB	0	1.27858E-18FI5B	0	3.09346E-18			
13	MTE5C	FPMB	0	4.19117E-08FSMB	0	1.16384E-07PFP1	0	3.38213E-04			
13	MTE5C	ODUM	0	1.82295E-05							
13	MTE5D	U5F4	0	1.49013E-03FU6B	0	4.73693E-05U8F4	0	7.01530E-03	\$	E5D	step9a 105 days
13	MTE5D	FP9B	0	9.07789E-07FP0B	0	1.18727E-07FP1B	0	7.58901E-06			
13	MTE5D	FP2B	0	1.30056E-06FXEB	0	1.19910E-18FI5B	0	2.23880E-18			
13	MTE5D	FPMB	0	3.02462E-08FSMB	0	1.23915E-07PFP1	0	2.39875E-04			
13	MTE5D	ODUM	0	1.24228E-05							
13	MTE6A	U5F4	0	1.58373E-03FU6B	0	3.06029E-05U8F4	0	7.02503E-03	\$	E6A	step9a 105 days
13	MTE6A	FP9B	0	6.31377E-07FP0B	0	5.19054E-08FP1B	0	5.12163E-06			
13	MTE6A	FP2B	0	5.36697E-07FXEB	0	1.21467E-18FI5B	0	2.10612E-18			
13	MTE6A	FPMB	0	2.84145E-08FSMB	0	1.30876E-07PFP1	0	1.55424E-04			
13	MTE6A	ODUM	0	7.35675E-06							
13	MTE6B	U5F4	0	1.50633E-03FU6B	0	4.49026E-05U8F4	0	7.01599E-03	\$	E6B	step9a 105 days
13	MTE6B	FP9B	0	9.15160E-07FP0B	0	1.10688E-07FP1B	0	8.13143E-06			
13	MTE6B	FP2B	0	1.31161E-06FXEB	0	1.34791E-18FI5B	0	3.03331E-18			
13	MTE6B	FPMB	0	4.10139E-08FSMB	0	1.25821E-07PFP1	0	2.25994E-04			
13	MTE6B	ODUM	0	1.04166E-05							
13	MTE6C	U5F4	0	1.50501E-03FU6B	0	4.51328E-05U8F4	0	7.01599E-03	\$	E6C	step9a 105 days
13	MTE6C	FP9B	0	9.18915E-07FP0B	0	1.11725E-07FP1B	0	8.17942E-06			
13	MTE6C	FP2B	0	1.32733E-06FXEB	0	1.34910E-18FI5B	0	3.04722E-18			
13	MTE6C	FPMB	0	4.12051E-08FSMB	0	1.25730E-07PFP1	0	2.27142E-04			
13	MTE6C	ODUM	0	1.04694E-05							
13	MTE6D	U5F4	0	1.58004E-03FU6B	0	3.12914E-05U8F4	0	7.02503E-03	\$	E6D	step9a 105 days
13	MTE6D	FP9B	0	6.43526E-07FP0B	0	5.40688E-08FP1B	0	5.26878E-06			
13	MTE6D	FP2B	0	5.65953E-07FXEB	0	1.22281E-18FI5B	0	2.14673E-18			
13	MTE6D	FPMB	0	2.89659E-08FSMB	0	1.30730E-07PFP1	0	1.58853E-04			
13	MTE6D	ODUM	0	7.49791E-06							
13	MTE7A	U5F4	0	1.66912E-03FU6B	0	1.52684E-05U8F4	0	7.03407E-03	\$	E7A	step9a 105 days
13	MTE7A	FP9B	0	3.15730E-07FP0B	0	1.32135E-08FP1B	0	2.65278E-06			
13	MTE7A	FP2B	0	1.33275E-07FXEB	0	1.19624E-18FI5B	0	1.91356E-18			
13	MTE7A	FPMB	0	2.57789E-08FSMB	0	1.36419E-07PFP1	0	7.80668E-05			
13	MTE7A	ODUM	0	3.32955E-06							
13	MTE7B	U5F4	0	1.62921E-03FU6B	0	2.25800E-05U8F4	0	7.02990E-03	\$	E7B	step9a 105 days
13	MTE7B	FP9B	0	4.74374E-07FP0B	0	2.93275E-08FP1B	0	4.41217E-06			
13	MTE7B	FP2B	0	3.34402E-07FXEB	0	1.37281E-18FI5B	0	2.79228E-18			
13	MTE7B	FPMB	0	3.76683E-08FSMB	0	1.34471E-07PFP1	0	1.14499E-04			

[illegible]

13	MTD6D	FP2B	0	2.03004E-06	FXEB	0	1.16690E-18	FI5B	0	2.20195E-18			
13	MTD6D	FPMB	0	2.97809E-08	FSMB	0	1.19854E-07	PFP1	0	3.01634E-04			
13	MTD6D	ODUM	0	1.71801E-05									
13	MTD7A	U5F4	0	1.59159E-03	FU6B	0	2.93602E-05	U8F4	0	7.02573E-03	\$	D7A	step9a 105 days
13	MTD7A	FP9B	0	6.10960E-07	FP0B	0	4.78303E-08	FP1B	0	4.80911E-06			
13	MTD7A	FP2B	0	4.83150E-07	FXEB	0	1.18581E-18	FI5B	0	1.95612E-18			
13	MTD7A	FPMB	0	2.63860E-08	FSMB	0	1.32357E-07	PFP1	0	1.48547E-04			
13	MTD7A	ODUM	0	7.10570E-06									
13	MTD7B	U5F4	0	1.51857E-03	FU6B	0	4.29541E-05	U8F4	0	7.01739E-03	\$	D7B	step9a 105 days
13	MTD7B	FP9B	0	8.89152E-07	FP0B	0	1.01627E-07	FP1B	0	7.65925E-06			
13	MTD7B	FP2B	0	1.17615E-06	FXEB	0	1.32691E-18	FI5B	0	2.79694E-18			
13	MTD7B	FPMB	0	3.78067E-08	FSMB	0	1.27643E-07	PFP1	0	2.15243E-04			
13	MTD7B	ODUM	0	9.98957E-06									
13	MTD7C	U5F4	0	1.51739E-03	FU6B	0	4.31822E-05	U8F4	0	7.01669E-03	\$	D7C	step9a 105 days
13	MTD7C	FP9B	0	8.92907E-07	FP0B	0	1.02608E-07	FP1B	0	7.70723E-06			
13	MTD7C	FP2B	0	1.19082E-06	FXEB	0	1.32844E-18	FI5B	0	2.81092E-18			
13	MTD7C	FPMB	0	3.79972E-08	FSMB	0	1.27559E-07	PFP1	0	2.16377E-04			
13	MTD7C	ODUM	0	1.00410E-05									
13	MTD7D	U5F4	0	1.58776E-03	FU6B	0	3.00730E-05	U8F4	0	7.02503E-03	\$	D7D	step9a 105 days
13	MTD7D	FP9B	0	6.23519E-07	FP0B	0	4.99826E-08	FP1B	0	4.96106E-06			
13	MTD7D	FP2B	0	5.11627E-07	FXEB	0	1.19583E-18	FI5B	0	2.00014E-18			
13	MTD7D	FPMB	0	2.69833E-08	FSMB	0	1.32197E-07	PFP1	0	1.52079E-04			
13	MTD7D	ODUM	0	7.25174E-06									
13	MTC3A	U5F4	0	1.67622E-03	FU6B	0	1.39548E-05	U8F4	0	7.03477E-03	\$	C3A	step9a 105 days
13	MTC3A	FP9B	0	2.91113E-07	FP0B	0	1.11439E-08	FP1B	0	2.34882E-06			
13	MTC3A	FP2B	0	1.07566E-07	FXEB	0	1.15271E-18	FI5B	0	1.75772E-18			
13	MTC3A	FPMB	0	2.36725E-08	FSMB	0	1.36523E-07	PFP1	0	7.15577E-05			
13	MTC3A	ODUM	0	3.11252E-06									
13	MTC3B	U5F4	0	1.63936E-03	FU6B	0	2.06752E-05	U8F4	0	7.03060E-03	\$	C3B	step9a 105 days
13	MTC3B	FP9B	0	4.39235E-07	FP0B	0	2.48693E-08	FP1B	0	3.95960E-06			
13	MTC3B	FP2B	0	2.73560E-07	FXEB	0	1.33630E-18	FI5B	0	2.57121E-18			
13	MTC3B	FPMB	0	3.46725E-08	FSMB	0	1.34993E-07	PFP1	0	1.05181E-04			
13	MTC3B	ODUM	0	4.20417E-06									
13	MTC3C	U5F4	0	1.63873E-03	FU6B	0	2.07816E-05	U8F4	0	7.03060E-03	\$	C3C	step9a 105 days
13	MTC3C	FP9B	0	4.41280E-07	FP0B	0	2.51154E-08	FP1B	0	3.98616E-06			
13	MTC3C	FP2B	0	2.76926E-07	FXEB	0	1.33839E-18	FI5B	0	2.58387E-18			
13	MTC3C	FPMB	0	3.48442E-08	FSMB	0	1.34958E-07	PFP1	0	1.05723E-04			
13	MTC3C	ODUM	0	4.22135E-06									
13	MTC3D	U5F4	0	1.67448E-03	FU6B	0	1.42691E-05	U8F4	0	7.03477E-03	\$	C3D	step9a 105 days
13	MTC3D	FP9B	0	2.97156E-07	FP0B	0	1.16273E-08	FP1B	0	2.42225E-06			
13	MTC3D	FP2B	0	1.13498E-07	FXEB	0	1.16363E-18	FI5B	0	1.79534E-18			
13	MTC3D	FPMB	0	2.41808E-08	FSMB	0	1.36586E-07	PFP1	0	7.31363E-05			
13	MTC3D	ODUM	0	3.16530E-06									
13	MTC4A	U5F4	0	1.59402E-03	FU6B	0	2.87337E-05	U8F4	0	7.02643E-03	\$	C4A	step9a 105 days
13	MTC4A	FP9B	0	5.98846E-07	FP0B	0	4.62357E-08	FP1B	0	4.72510E-06			
13	MTC4A	FP2B	0	4.59861E-07	FXEB	0	1.19889E-18	FI5B	0	2.02267E-18			
13	MTC4A	FPMB	0	2.72809E-08	FSMB	0	1.31592E-07	PFP1	0	1.46134E-04			
13	MTC4A	ODUM	0	6.97427E-06									
13	MTC4B	U5F4	0	1.52072E-03	FU6B	0	4.22163E-05	U8F4	0	7.01808E-03	\$	C4B	step9a 105 days
13	MTC4B	FP9B	0	8.72323E-07	FP0B	0	9.91933E-08	FP1B	0	7.58762E-06			
13	MTC4B	FP2B	0	1.13609E-06	FXEB	0	1.33943E-18	FI5B	0	2.91732E-18			
13	MTC4B	FPMB	0	3.94305E-08	FSMB	0	1.26843E-07	PFP1	0	2.12816E-04			
13	MTC4B	ODUM	0	9.81572E-06									
13	MTC4C	U5F4	0	1.51961E-03	FU6B	0	4.24249E-05	U8F4	0	7.01808E-03	\$	C4C	step9a 105 days
13	MTC4C	FP9B	0	8.75869E-07	FP0B	0	1.00090E-07	FP1B	0	7.63213E-06			
13	MTC4C	FP2B	0	1.14937E-06	FXEB	0	1.34068E-18	FI5B	0	2.93039E-18			
13	MTC4C	FPMB	0	3.96092E-08	FSMB	0	1.26759E-07	PFP1	0	2.13860E-04			
13	MTC4C	ODUM	0	9.86161E-06									
13	MTC4D	U5F4	0	1.59068E-03	FU6B	0	2.93338E-05	U8F4	0	7.02643E-03	\$	C4D	step9a 105 days
13	MTC4D	FP9B	0	6.09854E-07	FP0B	0	4.80542E-08	FP1B	0	4.85334E-06			
13	MTC4D	FP2B	0	4.83220E-07	FXEB	0	1.20695E-18	FI5B	0	2.06001E-18			
13	MTC4D	FPMB	0	2.77879E-08	FSMB	0	1.31474E-07	PFP1	0	1.49117E-04			
13	MTC4D	ODUM	0	7.09666E-06									
13	MTC5A	U5F4	0	1.50494E-03	FU6B	0	4.46530E-05	U8F4	0	7.01739E-03	\$	C5A	step9a 105 days
13	MTC5A	FP9B	0	8.66203E-07	FP0B	0	1.06919E-07	FP1B	0	7.08762E-06			
13	MTC5A	FP2B	0	1.12385E-06	FXEB	0	1.19910E-18	FI5B	0	2.20716E-18			
13	MTC5A	FPMB	0	2.98088E-08	FSMB	0	1.24875E-07	PFP1	0	2.26453E-04			

13	MTC5A	ODUM	0	1.17288E-05					
13	MTC5B	U5F4	0	1.39659E-03FU6B	0	6.47191E-05U8F4	0	7.00417E-03	\$ C5B step9a 105 days
13	MTC5B	FP9B	0	1.21293E-06FP0B	0	2.17559E-07FP1B	0	1.07385E-05	
13	MTC5B	FP2B	0	2.66266E-06FXEB	0	1.28776E-18FI5B	0	3.09193E-18	
13	MTC5B	FPMB	0	4.18776E-08FSMB	0	1.17497E-07PFP1	0	3.24576E-04	
13	MTC5B	ODUM	0	1.73296E-05					
13	MTC5C	U5F4	0	1.39492E-03FU6B	0	6.50243E-05U8F4	0	7.00417E-03	\$ C5C step9a 105 days
13	MTC5C	FP9B	0	1.21704E-06FP0B	0	2.19367E-07FP1B	0	1.07914E-05	
13	MTC5C	FP2B	0	2.69207E-06FXEB	0	1.28825E-18FI5B	0	3.10473E-18	
13	MTC5C	FPMB	0	4.20535E-08FSMB	0	1.17371E-07PFP1	0	3.26106E-04	
13	MTC5C	ODUM	0	1.74270E-05					
13	MTC5D	U5F4	0	1.50021E-03FU6B	0	4.55271E-05U8F4	0	7.01669E-03	\$ C5D step9a 105 days
13	MTC5D	FP9B	0	8.80389E-07FP0B	0	1.10744E-07FP1B	0	7.25382E-06	
13	MTC5D	FP2B	0	1.17656E-06FXEB	0	1.20466E-18FI5B	0	2.24277E-18	
13	MTC5D	FPMB	0	3.02935E-08FSMB	0	1.24652E-07PFP1	0	2.30751E-04	
13	MTC5D	ODUM	0	1.19492E-05					
13	MTC6A	U5F4	0	1.50967E-03FU6B	0	4.40675E-05U8F4	0	7.01739E-03	\$ C6A step9a 105 days
13	MTC6A	FP9B	0	8.77469E-07FP0B	0	1.04889E-07FP1B	0	6.89736E-06	
13	MTC6A	FP2B	0	1.08853E-06FXEB	0	1.16801E-18FI5B	0	2.04645E-18	
13	MTC6A	FPMB	0	2.76363E-08FSMB	0	1.25348E-07PFP1	0	2.22594E-04	
13	MTC6A	ODUM	0	1.15932E-05					
13	MTC6B	U5F4	0	1.40229E-03FU6B	0	6.40362E-05U8F4	0	7.00417E-03	\$ C6B step9a 105 days
13	MTC6B	FP9B	0	1.23171E-06FP0B	0	2.14847E-07FP1B	0	1.05299E-05	
13	MTC6B	FP2B	0	2.59152E-06FXEB	0	1.26871E-18FI5B	0	2.90716E-18	
13	MTC6B	FPMB	0	3.93700E-08FSMB	0	1.17969E-07PFP1	0	3.19944E-04	
13	MTC6B	ODUM	0	1.71120E-05					
13	MTC6C	U5F4	0	1.40056E-03FU6B	0	6.43588E-05U8F4	0	7.00417E-03	\$ C6C step9a 105 days
13	MTC6C	FP9B	0	1.23616E-06FP0B	0	2.16739E-07FP1B	0	1.05862E-05	
13	MTC6C	FP2B	0	2.62197E-06FXEB	0	1.26933E-18FI5B	0	2.91975E-18	
13	MTC6C	FPMB	0	3.95431E-08FSMB	0	1.17844E-07PFP1	0	3.21544E-04	
13	MTC6C	ODUM	0	1.72135E-05					
13	MTC6D	U5F4	0	1.50424E-03FU6B	0	4.50605E-05U8F4	0	7.01669E-03	\$ C6D step9a 105 days
13	MTC6D	FP9B	0	8.93324E-07FP0B	0	1.09152E-07FP1B	0	7.08693E-06	
13	MTC6D	FP2B	0	1.14791E-06FXEB	0	1.17455E-18FI5B	0	2.08414E-18	
13	MTC6D	FPMB	0	2.81502E-08FSMB	0	1.25070E-07PFP1	0	2.27483E-04	
13	MTC6D	ODUM	0	1.18421E-05					
13	MTC7A	U5F4	0	1.67017E-03FU6B	0	1.50869E-05U8F4	0	7.03407E-03	\$ C7A step9a 105 days
13	MTC7A	FP9B	0	3.12399E-07FP0B	0	1.29200E-08FP1B	0	2.60925E-06	
13	MTC7A	FP2B	0	1.29458E-07FXEB	0	1.19033E-18FI5B	0	1.89089E-18	
13	MTC7A	FPMB	0	2.54729E-08FSMB	0	1.36460E-07PFP1	0	7.71488E-05	
13	MTC7A	ODUM	0	3.29951E-06					
13	MTC7B	U5F4	0	1.63060E-03FU6B	0	2.23248E-05U8F4	0	7.02990E-03	\$ C7B step9a 105 days
13	MTC7B	FP9B	0	4.69103E-07FP0B	0	2.86752E-08FP1B	0	4.35070E-06	
13	MTC7B	FP2B	0	3.25800E-07FXEB	0	1.36794E-18FI5B	0	2.76092E-18	
13	MTC7B	FPMB	0	3.72441E-08FSMB	0	1.34548E-07PFP1	0	1.13241E-04	
13	MTC7B	ODUM	0	4.46648E-06					
13	MTC7C	U5F4	0	1.62990E-03FU6B	0	2.24451E-05U8F4	0	7.02990E-03	\$ C7C step9a 105 days
13	MTC7C	FP9B	0	4.71370E-07FP0B	0	2.89708E-08FP1B	0	4.38074E-06	
13	MTC7C	FP2B	0	3.29972E-07FXEB	0	1.37003E-18FI5B	0	2.77517E-18	
13	MTC7C	FPMB	0	3.74374E-08FSMB	0	1.34506E-07PFP1	0	1.13853E-04	
13	MTC7C	ODUM	0	4.48588E-06					
13	MTC7D	U5F4	0	1.66808E-03FU6B	0	1.54631E-05U8F4	0	7.03407E-03	\$ C7D step9a 105 days
13	MTC7D	FP9B	0	3.19318E-07FP0B	0	1.35306E-08FP1B	0	2.69847E-06	
13	MTC7D	FP2B	0	1.37344E-07FXEB	0	1.20216E-18FI5B	0	1.93588E-18	
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
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				
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			
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-02	MNSS	0 1.44994E-03	FESS 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-03	B11C	0 3.21530E-02	C12C 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					

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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
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

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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
 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 1 days rundown
 02 0280000 0 0.001 1.000 1.0000 1 1
 03 0 0.0 0.0 0.0 1.0 0 0
 09 U235 1U236
 09 U235 2XE135 2.4200-03 PM149 1.0666-02
 09 U235 2I135 6.2966-02 ETFF 1.000
 09 U235 5U234
 09 U236 1DUMP
 09 U236 2XE135 1.5847-03 PM149 1.3691-02
 09 U236 2I135 5.6307-02 ETFF 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	U5F4	0		
10	U236	FU6B	0		
10	U238	U8F4	0		
10	PU239	FP9B	0		
10	PU240	FP0B	0		
10	PU241	FP1B	0		
10	PU242	FP2B	0		
10	XE135	FXEB	0		
10	PM149	FPMB	0		
10	I135	FI5B	0		
10	SM149	FSMB	0		
10	ETFP	PF1	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		
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									
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	U5F40	U5F40	FU6B0	U8F40	FP9B0	FP0B0	FP1B0	FP2B0	FXEB0	FPMB0	FSMB0
26	U5F40	FI5B0	PPF10								
39	U5F40	5	7FU6B0	5	7U8F40	5	7				
39	FP9B0	5	7FP0B0	5	7FP1B0	5	7				
39	FP2B0	5	7FXEB0	5	7FPMB0	5	7				
39	FSMB0	5	7FI5B0	5	7PFP10	1	7				
40	U5F40	2	1.00000E-03	3FU6B0	2	1.00000E-03	3				
40	U8F40	2	1.00000E-03	3FP9B0	2	1.00000E-03	3				
40	FP0B0	2	1.00000E-03	3FP1B0	2	1.00000E-03	3				
40	FP2B0	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	U5F40	U5F40	2.52427E-04	1.0000	U5F41	2.52090E-04	1.0000				
41	U5F40	U5F42	2.48755E-04	1.0000	U5F43	2.35673E-04	1.0000				
41	U5F40	U5F44	2.10551E-04	1.0000	U5F45	9.30573E-05	1.0000				
41	FU6B0	FU6B0	2.52427E-04	1.0000	FU6B1	2.52090E-04	1.0000				
41	FU6B0	FU6B2	2.48755E-04	1.0000	FU6B3	2.35673E-04	1.0000				
41	FU6B0	FU6B4	2.10551E-04	1.0000	FU6B5	9.30573E-05	1.0000				
41	U8F40	U8F40	2.52427E-04	1.0000	U8F41	2.52090E-04	1.0000				
41	U8F40	U8F42	2.48755E-04	1.0000	U8F43	2.35673E-04	1.0000				
41	U8F40	U8F44	2.10551E-04	1.0000	U8F45	9.30573E-05	1.0000				
41	FP9B0	FP9B0	2.52427E-04	1.0000	FP9B1	2.52090E-04	1.0000				
41	FP9B0	FP9B2	2.48755E-04	1.0000	FP9B3	2.35673E-04	1.0000				
41	FP9B0	FP9B4	2.10551E-04	1.0000	FP9B5	9.30573E-05	1.0000				
41	FP0B0	FP0B0	2.52427E-04	1.0000	FP0B1	2.52090E-04	1.0000				
41	FP0B0	FP0B2	2.48755E-04	1.0000	FP0B3	2.35673E-04	1.0000				
41	FP0B0	FP0B4	2.10551E-04	1.0000	FP0B5	9.30573E-05	1.0000				
41	FP1B0	FP1B0	2.52427E-04	1.0000	FP1B1	2.52090E-04	1.0000				
41	FP1B0	FP1B2	2.48755E-04	1.0000	FP1B3	2.35673E-04	1.0000				
41	FP1B0	FP1B4	2.10551E-04	1.0000	FP1B5	9.30573E-05	1.0000				
41	FP2B0	FP2B0	2.52427E-04	1.0000	FP2B1	2.52090E-04	1.0000				
41	FP2B0	FP2B2	2.48755E-04	1.0000	FP2B3	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

UNFORM=A.VARI

01 RINSC 2010

02 80000 0 0 1 1 1 1

DATASET=A.PAR

01 BETAEF 14 0 0 1 1

BLOCK=VARI3D,3

MODIFY=A.PAR

01 GENTIM 13 0 0 0 1

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