

Figure 1: Renormalized data after spline

Measurments taken 35 calendar days since BOC. Data Passes (pass id, power [MWt], boron [ppm], control bank A/B/C/D/E positions [step])

- 1 3400.7 876. 228. 228. 228. 214. 230.
- 2 3399.5 876. 228. 228. 228. 215. 230.
- 3 3397.9 876. 228. 228. 228. 215. 230.
- 4 3403.8 876. 228. 228. 228. 215. 230.
- 5 3395.6 876. 228. 228. 228. 215. 230.
- 6 3403.6 876. 228. 228. 228. 215. 230.
- 7 3401.0 876. 228. 228. 228. 215. 230.
- 8 3401.4 876. 228. 228. 228. 215. 230.
- 9 3396.7 876. 228. 228. 228. 215. 230.
- 10 3398.5 876. 228. 228. 228. 215. 230.
- 11 3403.8 876. 228. 228. 228. 215. 230.

Average Power [MWt]: 3400.22727273 Inlet Coolant Temperature [°F]: 560.275

Core Burnup [MWD/MT]: 1136.5 Average Boron [ppm]: 876.0

verage Boron [ppm]. 010.0

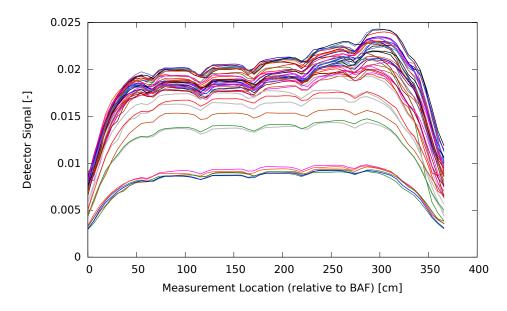


Figure 2: Unnormalized data after spline

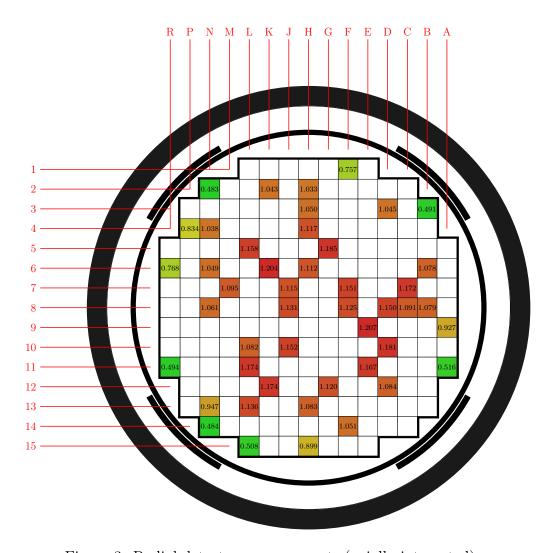


Figure 3: Radial detector measurements (axially integrated).

J1		F1	0.757
N2	0.483	K2	1.043
H2	1.033	Н3	1.050
F3		D3	1.045
В3	0.491	P4	0.834
N4	1.038	H4	1.117
L5	1.158	G5	1.185
E5		C5	
R6	0.768	N6	1.049
K6	1.204	Н6	1.112
B6	1.078	M7	1.095
J7	1.115	F7	1.151
C7	1.172	R8	
N8	1.061	L8	
J8	1.131	F8	1.125
D8	1.150	C8	1.091
B8	1.079	G9	
E9	1.207	A9	0.927
L10	1.082	J10	1.152
D10	1.181	R11	0.494
L11	1.174	H11	
E11	1.167	A11	0.516
K12	1.174	G12	1.120
D12	1.084	N13	0.947
L13	1.136	H13	1.083
N14	0.484	J14	
F14	1.051	L15	0.508
H15	0.899		

Table 1: Full core radial detector measurements (axially integrated).

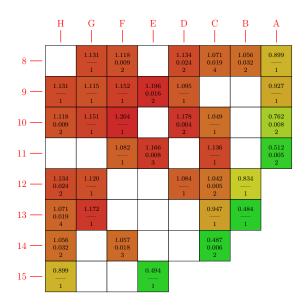


Figure 4: Quarter core (full core folded) radial measurements.

H9 1.131 D10 1.178 D12 1.084 E11 1.166 E15 0.494 B12 0.834 B13 0.484 C13 0.947 C12 1.042 C11 1.136 C10 1.049 F9 1.152 F8 1.118 C14 0.487 F11 1.082 A11 0.512 A10 0.762 F14 1.057 E9 1.196 H10 1.118 H12 1.134 H13 1.071 H14 1.056 H15 0.899 D9 1.095 D8 1.134 C8 1.071 B8 1.056 G13 1.172 G12 1.120 G10 1.151 A8 0.899 A9 0.927 F10 1.204 G8 1.131 G9 1.115				
E15 0.494 B12 0.834 B13 0.484 C13 0.947 C12 1.042 C11 1.136 C10 1.049 F9 1.152 F8 1.118 C14 0.487 F11 1.082 A11 0.512 A10 0.762 F14 1.057 E9 1.196 H10 1.118 H12 1.134 H13 1.071 H14 1.056 H15 0.899 D9 1.095 D8 1.134 C8 1.071 B8 1.056 G13 1.172 G12 1.120 G10 1.151 A8 0.899 A9 0.927 F10 1.204	H9	1.131	D10	1.178
B13 0.484 C13 0.947 C12 1.042 C11 1.136 C10 1.049 F9 1.152 F8 1.118 C14 0.487 F11 1.082 A11 0.512 A10 0.762 F14 1.057 E9 1.196 H10 1.118 H12 1.134 H13 1.071 H14 1.056 H15 0.899 D9 1.095 D8 1.134 C8 1.071 B8 1.056 G13 1.172 G12 1.120 G10 1.151 A8 0.899 A9 0.927 F10 1.204	D12	1.084	E11	1.166
C12 1.042 C11 1.136 C10 1.049 F9 1.152 F8 1.118 C14 0.487 F11 1.082 A11 0.512 A10 0.762 F14 1.057 E9 1.196 H10 1.118 H12 1.134 H13 1.071 H14 1.056 H15 0.899 D9 1.095 D8 1.134 C8 1.071 B8 1.056 G13 1.172 G12 1.120 G10 1.151 A8 0.899 A9 0.927 F10 1.204	E15	0.494	B12	0.834
C10 1.049 F9 1.152 F8 1.118 C14 0.487 F11 1.082 A11 0.512 A10 0.762 F14 1.057 E9 1.196 H10 1.118 H12 1.134 H13 1.071 H14 1.056 H15 0.899 D9 1.095 D8 1.134 C8 1.071 B8 1.056 G13 1.172 G12 1.120 G10 1.151 A8 0.899 A9 0.927 F10 1.204	B13	0.484	C13	0.947
F8 1.118 C14 0.487 F11 1.082 A11 0.512 A10 0.762 F14 1.057 E9 1.196 H10 1.118 H12 1.134 H13 1.071 H14 1.056 H15 0.899 D9 1.095 D8 1.134 C8 1.071 B8 1.056 G13 1.172 G12 1.120 G10 1.151 A8 0.899 A9 0.927 F10 1.204	C12	1.042	C11	1.136
F11 1.082 A11 0.512 A10 0.762 F14 1.057 E9 1.196 H10 1.118 H12 1.134 H13 1.071 H14 1.056 H15 0.899 D9 1.095 D8 1.134 C8 1.071 B8 1.056 G13 1.172 G12 1.120 G10 1.151 A8 0.899 A9 0.927 F10 1.204	C10	1.049	F9	1.152
A10 0.762 F14 1.057 E9 1.196 H10 1.118 H12 1.134 H13 1.071 H14 1.056 H15 0.899 D9 1.095 D8 1.134 C8 1.071 B8 1.056 G13 1.172 G12 1.120 G10 1.151 A8 0.899 A9 0.927 F10 1.204	F8	1.118	C14	0.487
E9 1.196 H10 1.118 H12 1.134 H13 1.071 H14 1.056 H15 0.899 D9 1.095 D8 1.134 C8 1.071 B8 1.056 G13 1.172 G12 1.120 G10 1.151 A8 0.899 A9 0.927 F10 1.204	F11	1.082	A11	0.512
H12 1.134 H13 1.071 H14 1.056 H15 0.899 D9 1.095 D8 1.134 C8 1.071 B8 1.056 G13 1.172 G12 1.120 G10 1.151 A8 0.899 A9 0.927 F10 1.204	A10	0.762	F14	1.057
H14 1.056 H15 0.899 D9 1.095 D8 1.134 C8 1.071 B8 1.056 G13 1.172 G12 1.120 G10 1.151 A8 0.899 A9 0.927 F10 1.204	E9	1.196	H10	1.118
D9 1.095 D8 1.134 C8 1.071 B8 1.056 G13 1.172 G12 1.120 G10 1.151 A8 0.899 A9 0.927 F10 1.204	H12	1.134	H13	1.071
C8 1.071 B8 1.056 G13 1.172 G12 1.120 G10 1.151 A8 0.899 A9 0.927 F10 1.204	H14	1.056	H15	0.899
G13 1.172 G12 1.120 G10 1.151 A8 0.899 A9 0.927 F10 1.204	D9	1.095	D8	1.134
G10 1.151 A8 0.899 A9 0.927 F10 1.204	C8	1.071	B8	1.056
A9 0.927 F10 1.204	G13	1.172	G12	1.120
	G10	1.151	A8	0.899
G8 1.131 G9 1.115	A9	0.927	F10	1.204
	G8	1.131	G9	1.115

Table 2: Quarter core radial detector measurements (axially integrated).

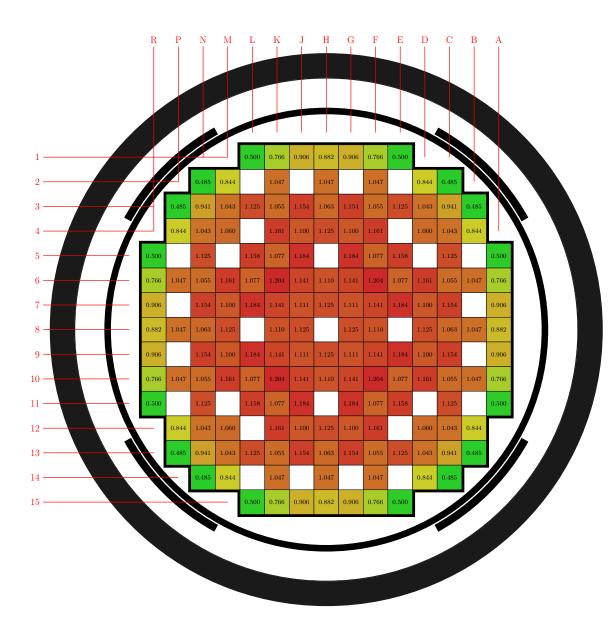


Figure 5: Radial detector measurements (tilt corrected).

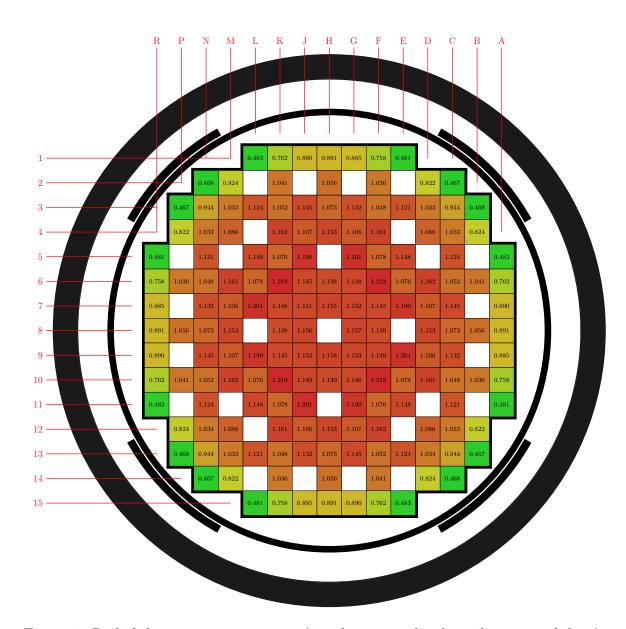


Figure 6: Radial detector measurements (simulate normalized to tilt corrected data).

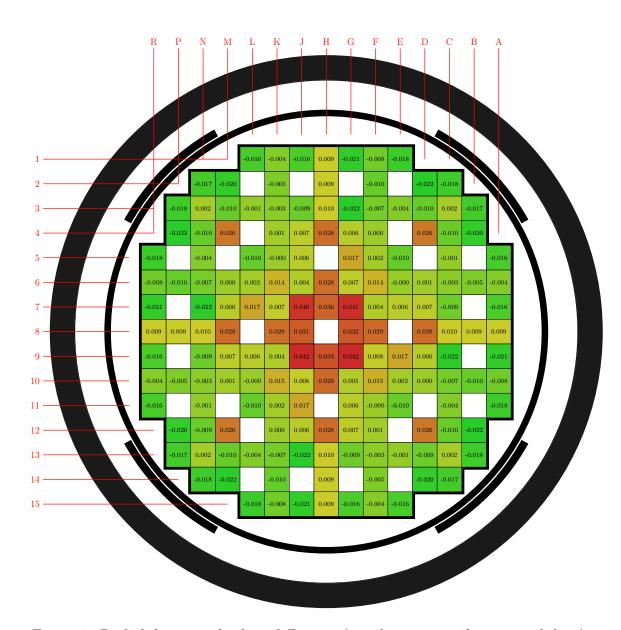


Figure 7: Radial detector absolute difference (simulate minus tilt corrected data).

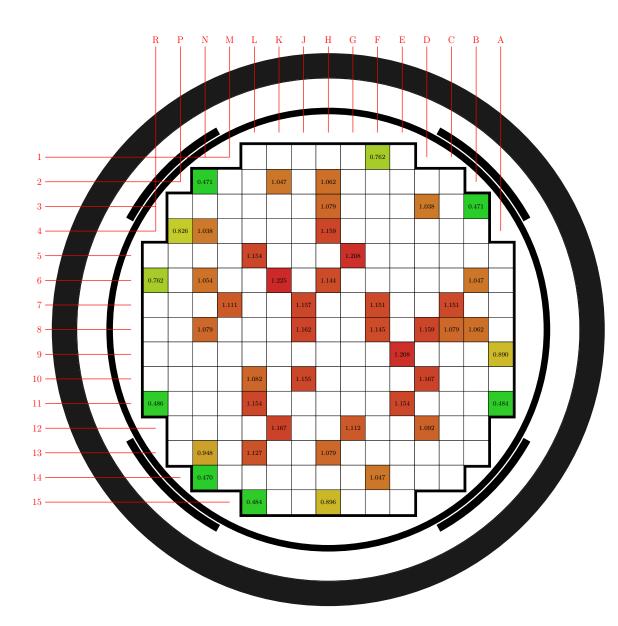


Figure 8: Radial detector measurements (simulate normalized to detector data).

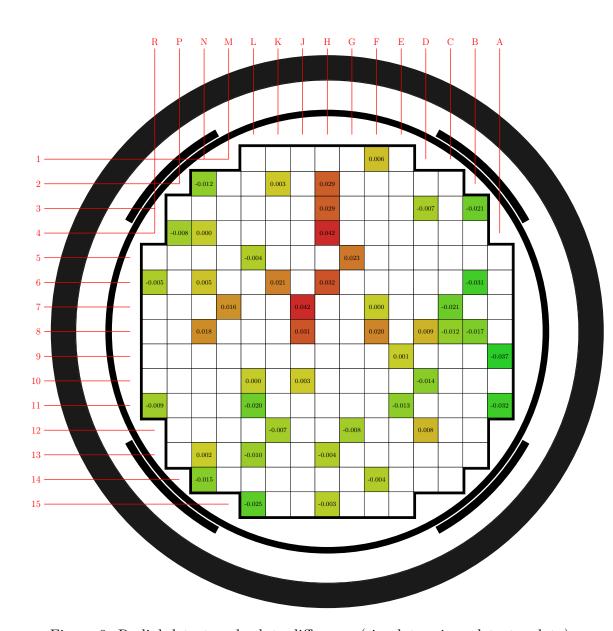


Figure 9: Radial detector absolute difference (simulate minus detector data).