Measurments taken 251 calendar days since BOC. Data Passes (pass id, power [MWt], boron [ppm], control bank A/B/C/D/E positions [step])

- 1 3397.1 271. 228. 228. 228. 211. 230.
- 2 3395.8 271. 228. 228. 228. 211. 230.
- 3 3405.2 271. 228. 228. 228. 211. 230.
- 4 3393.9 271. 228. 228. 228. 211. 230.
- 5 3396.0 271. 228. 228. 228. 211. 230.
- 6 3396.3 271. 228. 228. 228. 211. 230.
- 7 3394.8 271. 228. 228. 228. 211. 230.
- 8 3396.4 271. 228. 228. 228. 211. 230.
- 9 3389.7 271. 228. 228. 228. 211. 230.
- 10 3395.2 271. 228. 228. 228. 211. 230.
- 11 3391.7 271. 228. 228. 228. 211. 230.
- 12 3402.6 271. 228. 228. 228. 211. 230.
- 13 3389.7 271. 228. 228. 228. 211. 230.
- 14 3394.1 271. 228. 228. 228. 211. 230.

Average Power [MWt]: 3395.60714286 Inlet Coolant Temperature [°F]: 560.8 Core Burnup [MWD/MT]: 8729.2 Average Boron [ppm]: 271.0

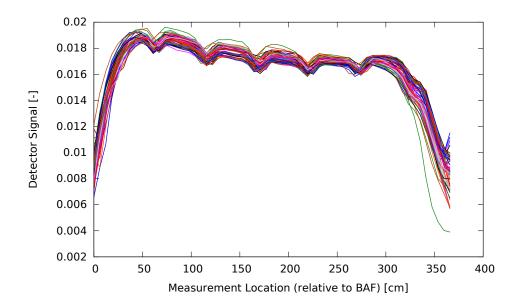


Figure 1: Renormalized data after spline

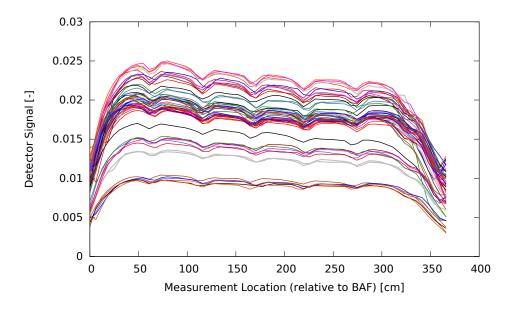


Figure 2: Unnormalized data after spline

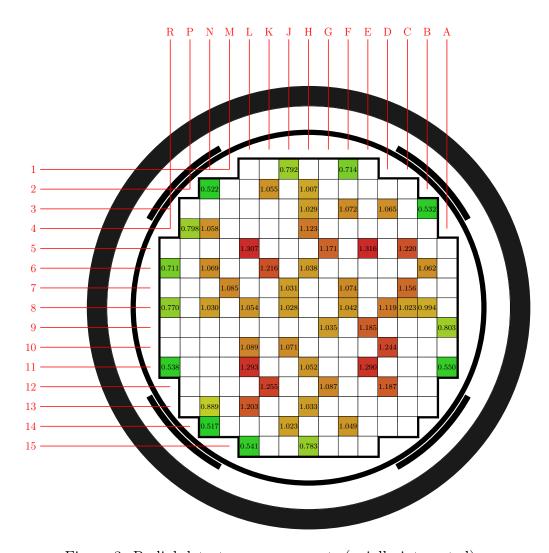


Figure 3: Radial detector measurements (axially integrated).

| J1 | 0.792 | F1 | 0.714 |
|-----|-------|-----|-------|
| N2 | 0.522 | K2 | 1.055 |
| H2 | 1.007 | Н3 | 1.029 |
| F3 | 1.072 | D3 | 1.065 |
| В3 | 0.532 | P4 | 0.798 |
| N4 | 1.058 | H4 | 1.123 |
| L5 | 1.307 | G5 | 1.171 |
| E5 | 1.316 | C5 | 1.220 |
| R6 | 0.711 | N6 | 1.069 |
| K6 | 1.216 | Н6 | 1.038 |
| В6 | 1.062 | M7 | 1.085 |
| J7 | 1.031 | F7 | 1.074 |
| C7 | 1.156 | R8 | 0.770 |
| N8 | 1.030 | L8 | 1.054 |
| J8 | 1.028 | F8 | 1.042 |
| D8 | 1.119 | C8 | 1.023 |
| B8 | 0.994 | G9 | 1.035 |
| E9 | 1.185 | A9 | 0.803 |
| L10 | 1.089 | J10 | 1.071 |
| D10 | 1.244 | R11 | 0.538 |
| L11 | 1.293 | H11 | 1.052 |
| E11 | 1.290 | A11 | 0.550 |
| K12 | 1.255 | G12 | 1.087 |
| D12 | 1.187 | N13 | 0.889 |
| L13 | 1.203 | H13 | 1.033 |
| N14 | 0.517 | J14 | 1.023 |
| F14 | 1.049 | L15 | 0.541 |
| H15 | 0.783 | | |

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

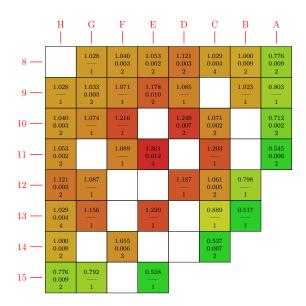


Figure 4: Quarter core (full core folded) radial measurements.

| H9 1.028 D10 1.249 D12 1.187 E11 1.301 E13 1.220 E15 0.538 B12 0.798 B13 0.517 C13 0.889 C12 1.061 C11 1.203 C10 1.071 F9 1.071 F8 1.040 C14 0.527 F11 1.089 A11 0.545 A10 0.712 F14 1.055 E8 1.053 E9 1.178 H10 1.040 H11 1.053 H12 1.121 H13 1.029 H14 1.000 H15 0.776 D9 1.085 D8 1.121 C8 1.029 B9 1.023 B8 1.000 G15 0.792 G13 1.156 G12 1.087 G10 1.074 A8 0.776 A9 0.803 F1 | | | | |
|--|-----|-------|-----|-------|
| E13 1.220 E15 0.538 B12 0.798 B13 0.517 C13 0.889 C12 1.061 C11 1.203 C10 1.071 F9 1.071 F8 1.040 C14 0.527 F11 1.089 A11 0.545 A10 0.712 F14 1.055 E8 1.053 E9 1.178 H10 1.040 H11 1.053 H12 1.121 H13 1.029 H14 1.000 H15 0.776 D9 1.085 D8 1.121 C8 1.029 B9 1.023 B8 1.000 G15 0.792 G13 1.156 G12 1.087 G10 1.074 A8 0.776 A9 0.803 F10 1.216 G8 1.028 | H9 | 1.028 | D10 | 1.249 |
| B12 0.798 B13 0.517 C13 0.889 C12 1.061 C11 1.203 C10 1.071 F9 1.071 F8 1.040 C14 0.527 F11 1.089 A11 0.545 A10 0.712 F14 1.055 E8 1.053 E9 1.178 H10 1.040 H11 1.053 H12 1.121 H13 1.029 H14 1.000 H15 0.776 D9 1.085 D8 1.121 C8 1.029 B9 1.023 B8 1.000 G15 0.792 G13 1.156 G12 1.087 G10 1.074 A8 0.776 A9 0.803 F10 1.216 G8 1.028 | D12 | 1.187 | E11 | 1.301 |
| C13 0.889 C12 1.061 C11 1.203 C10 1.071 F9 1.071 F8 1.040 C14 0.527 F11 1.089 A11 0.545 A10 0.712 F14 1.055 E8 1.053 E9 1.178 H10 1.040 H11 1.053 H12 1.121 H13 1.029 H14 1.000 H15 0.776 D9 1.085 D8 1.121 C8 1.029 B9 1.023 B8 1.000 G15 0.792 G13 1.156 G12 1.087 G10 1.074 A8 0.776 A9 0.803 F10 1.216 G8 1.028 | E13 | 1.220 | E15 | 0.538 |
| C11 1.203 C10 1.071 F9 1.071 F8 1.040 C14 0.527 F11 1.089 A11 0.545 A10 0.712 F14 1.055 E8 1.053 E9 1.178 H10 1.040 H11 1.053 H12 1.121 H13 1.029 H14 1.000 H15 0.776 D9 1.085 D8 1.121 C8 1.029 B9 1.023 B8 1.000 G15 0.792 G13 1.156 G12 1.087 G10 1.074 A8 0.776 A9 0.803 F10 1.216 G8 1.028 | B12 | 0.798 | B13 | 0.517 |
| F9 1.071 F8 1.040 C14 0.527 F11 1.089 A11 0.545 A10 0.712 F14 1.055 E8 1.053 E9 1.178 H10 1.040 H11 1.053 H12 1.121 H13 1.029 H14 1.000 H15 0.776 D9 1.085 D8 1.121 C8 1.029 B9 1.023 B8 1.000 G15 0.792 G13 1.156 G12 1.087 G10 1.074 A8 0.776 A9 0.803 F10 1.216 G8 1.028 | C13 | 0.889 | C12 | 1.061 |
| C14 0.527 F11 1.089 A11 0.545 A10 0.712 F14 1.055 E8 1.053 E9 1.178 H10 1.040 H11 1.053 H12 1.121 H13 1.029 H14 1.000 H15 0.776 D9 1.085 D8 1.121 C8 1.029 B9 1.023 B8 1.000 G15 0.792 G13 1.156 G12 1.087 G10 1.074 A8 0.776 A9 0.803 F10 1.216 G8 1.028 | C11 | 1.203 | C10 | 1.071 |
| A11 0.545 A10 0.712 F14 1.055 E8 1.053 E9 1.178 H10 1.040 H11 1.053 H12 1.121 H13 1.029 H14 1.000 H15 0.776 D9 1.085 D8 1.121 C8 1.029 B9 1.023 B8 1.000 G15 0.792 G13 1.156 G12 1.087 G10 1.074 A8 0.776 A9 0.803 F10 1.216 G8 1.028 | F9 | 1.071 | F8 | 1.040 |
| F14 1.055 E8 1.053 E9 1.178 H10 1.040 H11 1.053 H12 1.121 H13 1.029 H14 1.000 H15 0.776 D9 1.085 D8 1.121 C8 1.029 B9 1.023 B8 1.000 G15 0.792 G13 1.156 G12 1.087 G10 1.074 A8 0.776 A9 0.803 F10 1.216 G8 1.028 | C14 | 0.527 | F11 | 1.089 |
| E9 1.178 H10 1.040 H11 1.053 H12 1.121 H13 1.029 H14 1.000 H15 0.776 D9 1.085 D8 1.121 C8 1.029 B9 1.023 B8 1.000 G15 0.792 G13 1.156 G12 1.087 G10 1.074 A8 0.776 A9 0.803 F10 1.216 G8 1.028 | A11 | 0.545 | A10 | 0.712 |
| H11 1.053 H12 1.121 H13 1.029 H14 1.000 H15 0.776 D9 1.085 D8 1.121 C8 1.029 B9 1.023 B8 1.000 G15 0.792 G13 1.156 G12 1.087 G10 1.074 A8 0.776 A9 0.803 F10 1.216 G8 1.028 | F14 | 1.055 | E8 | 1.053 |
| H13 1.029 H14 1.000 H15 0.776 D9 1.085 D8 1.121 C8 1.029 B9 1.023 B8 1.000 G15 0.792 G13 1.156 G12 1.087 G10 1.074 A8 0.776 A9 0.803 F10 1.216 G8 1.028 | E9 | 1.178 | H10 | 1.040 |
| H15 0.776 D9 1.085 D8 1.121 C8 1.029 B9 1.023 B8 1.000 G15 0.792 G13 1.156 G12 1.087 G10 1.074 A8 0.776 A9 0.803 F10 1.216 G8 1.028 | H11 | 1.053 | H12 | 1.121 |
| D8 1.121 C8 1.029 B9 1.023 B8 1.000 G15 0.792 G13 1.156 G12 1.087 G10 1.074 A8 0.776 A9 0.803 F10 1.216 G8 1.028 | H13 | 1.029 | H14 | 1.000 |
| B9 1.023 B8 1.000 G15 0.792 G13 1.156 G12 1.087 G10 1.074 A8 0.776 A9 0.803 F10 1.216 G8 1.028 | H15 | 0.776 | D9 | 1.085 |
| G15 0.792 G13 1.156 G12 1.087 G10 1.074 A8 0.776 A9 0.803 F10 1.216 G8 1.028 | D8 | 1.121 | C8 | 1.029 |
| G12 1.087 G10 1.074 A8 0.776 A9 0.803 F10 1.216 G8 1.028 | В9 | 1.023 | B8 | 1.000 |
| A8 0.776 A9 0.803 F10 1.216 G8 1.028 | G15 | 0.792 | G13 | 1.156 |
| F10 1.216 G8 1.028 | G12 | 1.087 | G10 | 1.074 |
| | A8 | 0.776 | A9 | 0.803 |
| G9 1.033 | F10 | 1.216 | G8 | 1.028 |
| | G9 | 1.033 | | |

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

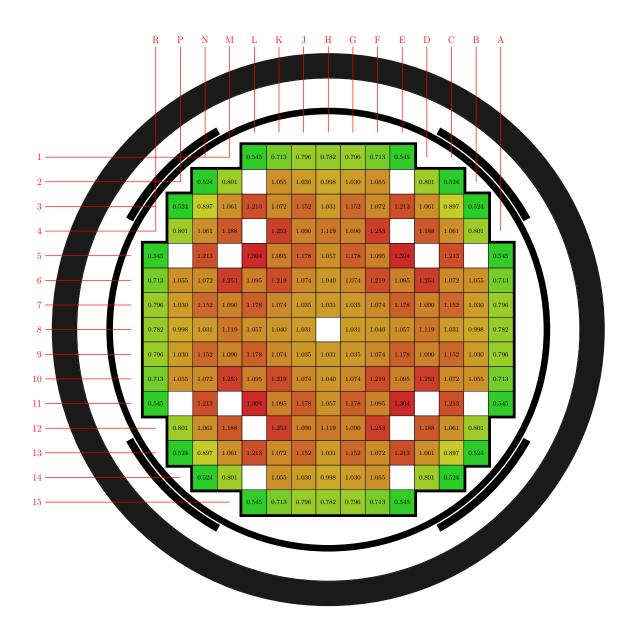


Figure 5: Radial detector measurements (tilt corrected).

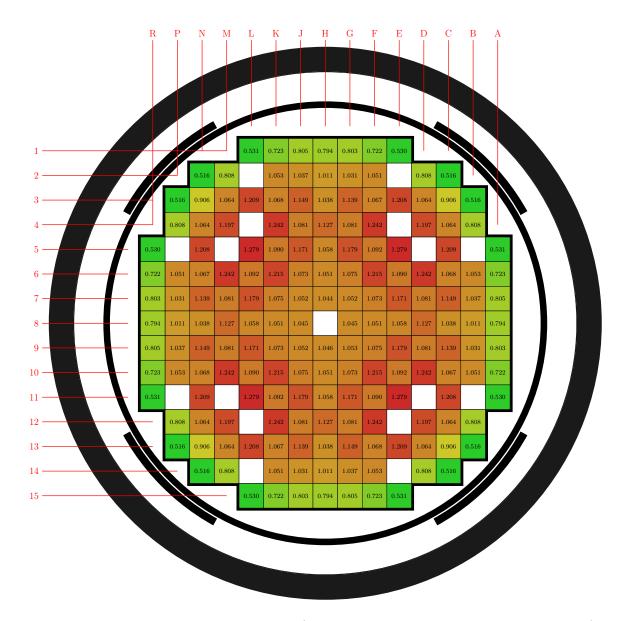


Figure 6: Radial detector measurements (simulate normalized to tilt corrected data).

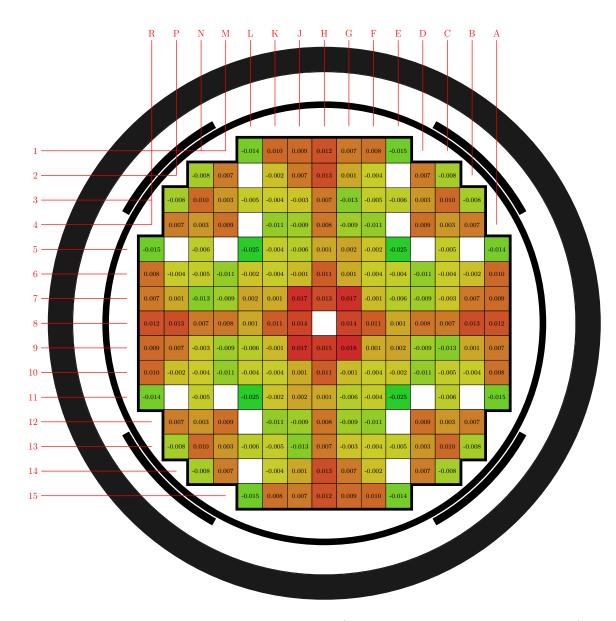


Figure 7: Radial detector absolute difference (simulate minus tilt corrected data).

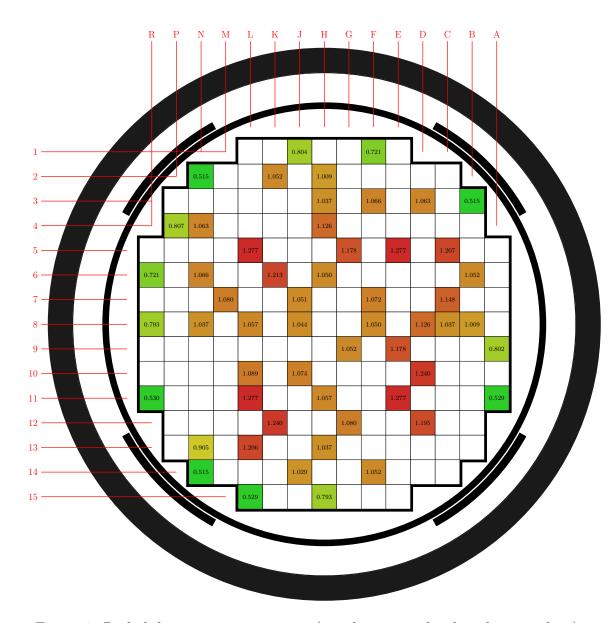


Figure 8: Radial detector measurements (simulate normalized to detector data).

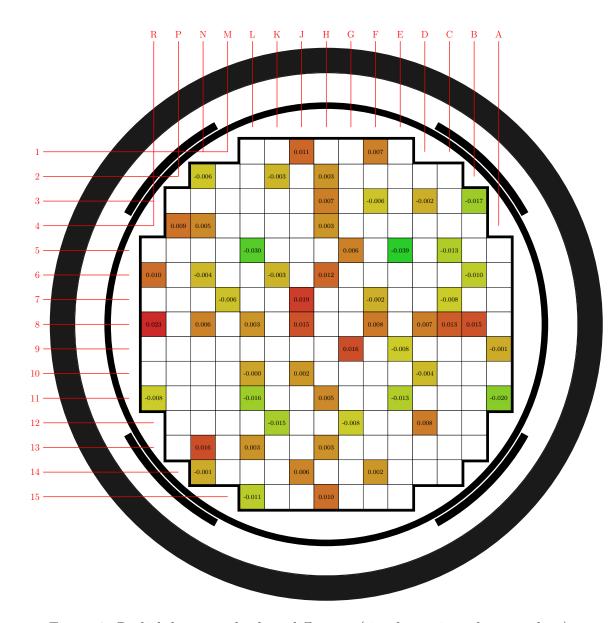


Figure 9: Radial detector absolute difference (simulate minus detector data).