

Measurements taken 92 calendar days since BOC.

Data Passes (pass id, power [MWt], boron [ppm], control bank A/B/C/D/E positions [step])

- 1 3388.6 608. 228. 228. 228. 207. 230.
- 2 3407.7 606. 228. 228. 228. 207. 230.
- 3 3359.8 627. 228. 228. 228. 207. 230.
- 4 3359.8 631. 228. 228. 228. 207. 230.
- 5 3359.8 634. 228. 228. 228. 207. 230.
- 6 3359.8 633. 228. 228. 228. 207. 230.
- 7 3359.8 631. 228. 228. 228. 207. 230.
- 8 3359.8 622. 228. 228. 228. 207. 230.
- 9 3359.8 634. 228. 228. 228. 207. 230.
- 10 3359.8 617. 228. 228. 228. 207. 230.
- 11 3359.8 623. 228. 228. 228. 207. 230.
- 12 3359.8 616. 228. 228. 228. 207. 230.
- 13 3359.8 612. 228. 228. 228. 207. 230.

Average Power [MWt]: 3365.7

Inlet Coolant Temperature [°F]: 557.1

Core Burnup [MWD/MT]: 1023.3

Average Boron [ppm]: 622.615384615

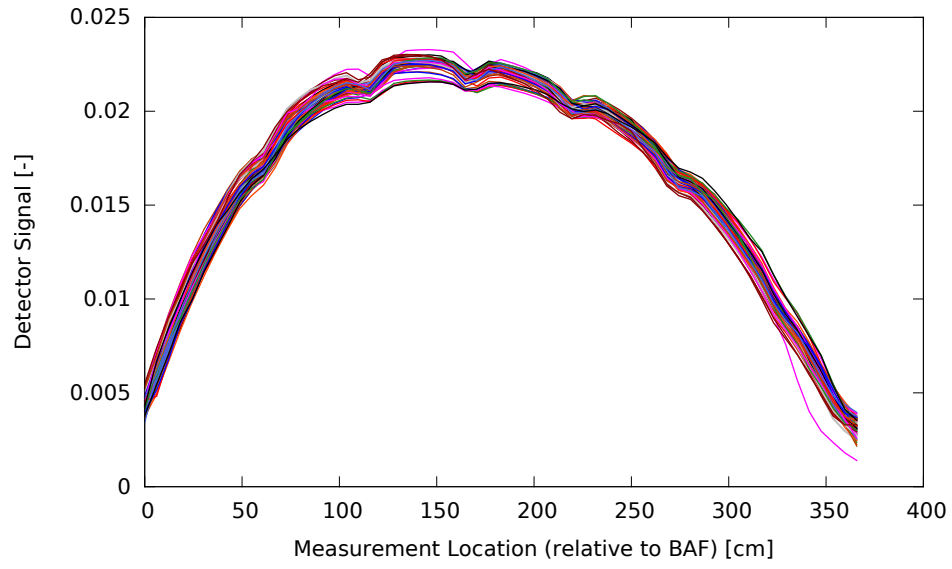


Figure 1: Renormalized data after spline

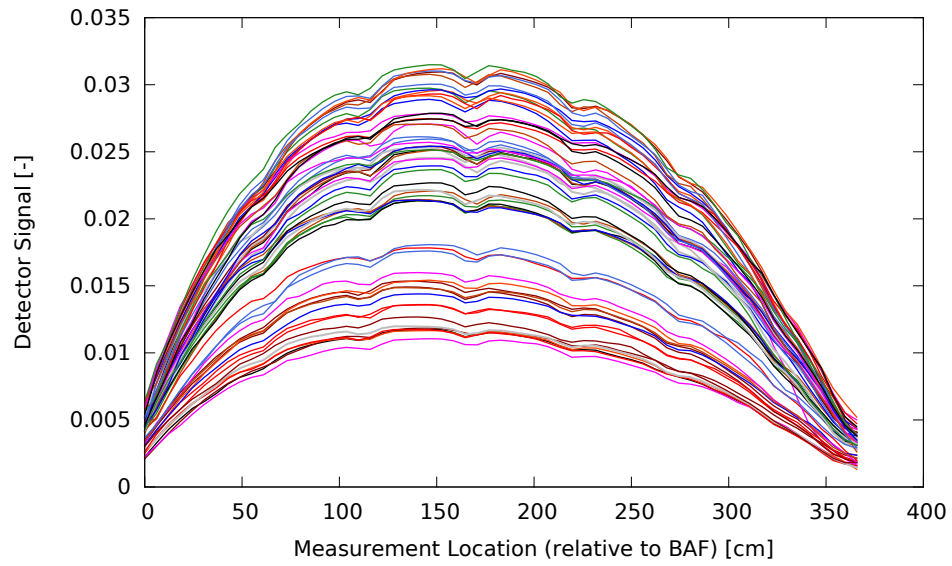


Figure 2: Unnormalized data after spline

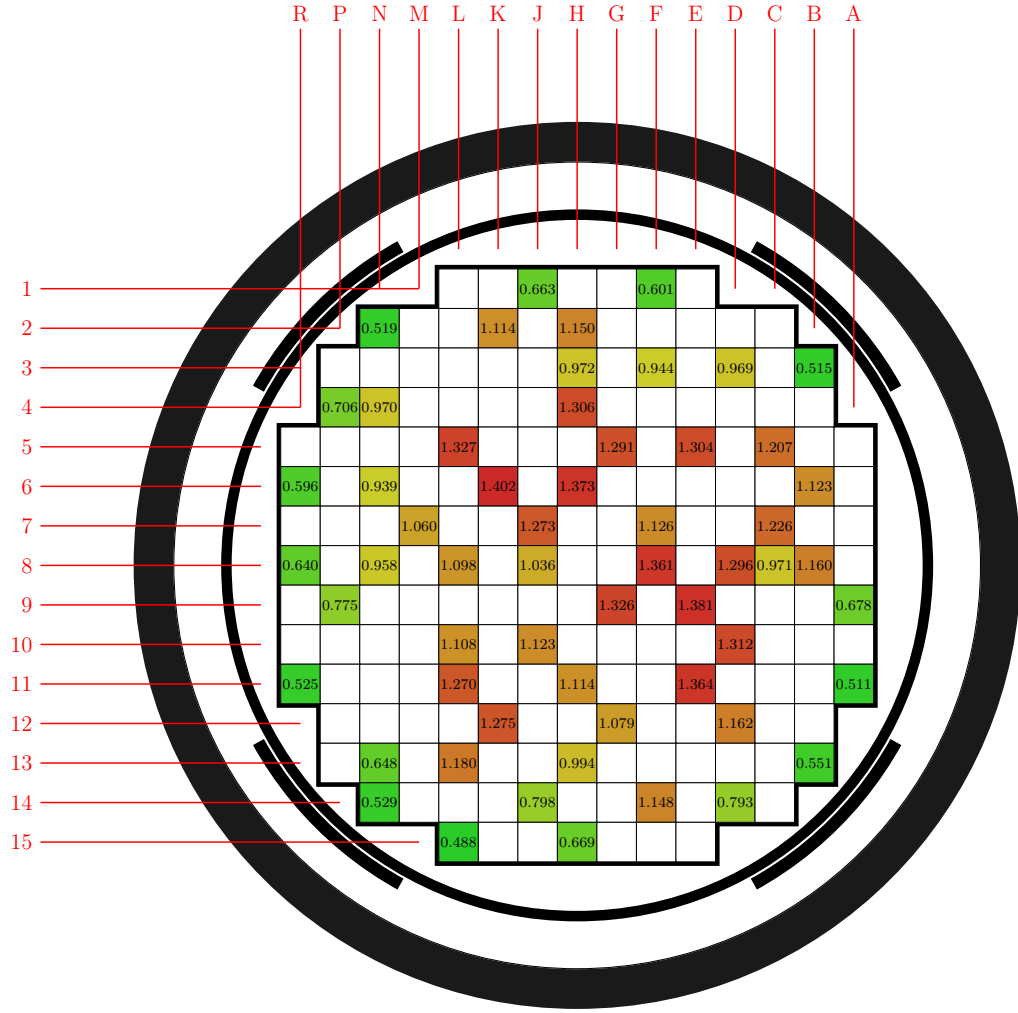


Figure 3: Radial detector measurements (axially integrated).

| | | | | |
|-----|-------|--|-----|-------|
| J1 | 0.663 | | F1 | 0.601 |
| N2 | 0.519 | | K2 | 1.114 |
| H2 | 1.150 | | H3 | 0.972 |
| F3 | 0.944 | | D3 | 0.969 |
| B3 | 0.515 | | P4 | 0.706 |
| N4 | 0.970 | | H4 | 1.306 |
| L5 | 1.327 | | G5 | 1.291 |
| E5 | 1.304 | | C5 | 1.207 |
| R6 | 0.596 | | N6 | 0.939 |
| K6 | 1.402 | | H6 | 1.373 |
| B6 | 1.123 | | M7 | 1.060 |
| J7 | 1.273 | | F7 | 1.126 |
| C7 | 1.226 | | R8 | 0.640 |
| N8 | 0.958 | | L8 | 1.098 |
| J8 | 1.036 | | F8 | 1.361 |
| D8 | 1.296 | | C8 | 0.971 |
| B8 | 1.160 | | P9 | 0.775 |
| G9 | 1.326 | | E9 | 1.381 |
| A9 | 0.678 | | L10 | 1.108 |
| J10 | 1.123 | | D10 | 1.312 |
| R11 | 0.525 | | L11 | 1.270 |
| H11 | 1.114 | | E11 | 1.364 |
| A11 | 0.511 | | K12 | 1.275 |
| G12 | 1.079 | | D12 | 1.162 |
| N13 | 0.648 | | L13 | 1.180 |
| H13 | 0.994 | | B13 | 0.551 |
| N14 | 0.529 | | J14 | 0.798 |
| F14 | 1.148 | | D14 | 0.793 |
| L15 | 0.488 | | H15 | 0.669 |

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

| | H | G | F | E | D | C | B | A |
|----|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 8 | | 1.036 — 1 | 1.367 0.008 2 | 1.106 0.011 2 | 1.301 0.007 2 | 0.974 0.015 4 | 1.155 0.007 2 | 0.655 0.021 2 |
| 9 | 1.036 — 1 | 1.299 0.038 2 | 1.123 — 1 | 1.336 0.064 2 | 1.060 — 1 | | 0.798 — 1 | 0.678 — 1 |
| 10 | 1.367 0.008 2 | 1.126 — 1 | 1.402 — 1 | | 1.293 0.026 2 | 0.942 0.004 2 | | 0.599 0.003 2 |
| 11 | 1.106 0.011 2 | | 1.108 — 1 | 1.316 0.039 4 | | 1.180 — 1 | | 0.500 0.016 2 |
| 12 | 1.301 0.007 2 | 1.079 — 1 | | | 1.162 — 1 | 0.970 0.001 2 | 0.706 — 1 | |
| 13 | 0.974 0.015 4 | 1.226 — 1 | | 1.207 — 1 | | 0.648 — 1 | 0.540 0.015 2 | |
| 14 | 1.155 0.007 2 | 0.775 — 1 | 1.128 0.017 3 | | 0.793 — 1 | 0.517 0.003 2 | | |
| 15 | 0.655 0.021 2 | 0.663 — 1 | | 0.525 — 1 | | | | |

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

| | | | | |
|-----|-------|--|-----|-------|
| D14 | 0.793 | | H9 | 1.036 |
| D10 | 1.293 | | D12 | 1.162 |
| E11 | 1.316 | | E13 | 1.207 |
| E15 | 0.525 | | B12 | 0.706 |
| B13 | 0.540 | | C13 | 0.648 |
| C12 | 0.970 | | C11 | 1.180 |
| C10 | 0.942 | | F9 | 1.123 |
| F8 | 1.367 | | C14 | 0.517 |
| F11 | 1.108 | | A11 | 0.500 |
| A10 | 0.599 | | F14 | 1.128 |
| E8 | 1.106 | | E9 | 1.336 |
| H10 | 1.367 | | H11 | 1.106 |
| H12 | 1.301 | | H13 | 0.974 |
| H14 | 1.155 | | H15 | 0.655 |
| D9 | 1.060 | | D8 | 1.301 |
| C8 | 0.974 | | B9 | 0.798 |
| B8 | 1.155 | | G15 | 0.663 |
| G14 | 0.775 | | G13 | 1.226 |
| G12 | 1.079 | | G10 | 1.126 |
| A8 | 0.655 | | A9 | 0.678 |
| F10 | 1.402 | | G8 | 1.036 |
| G9 | 1.299 | | | |

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

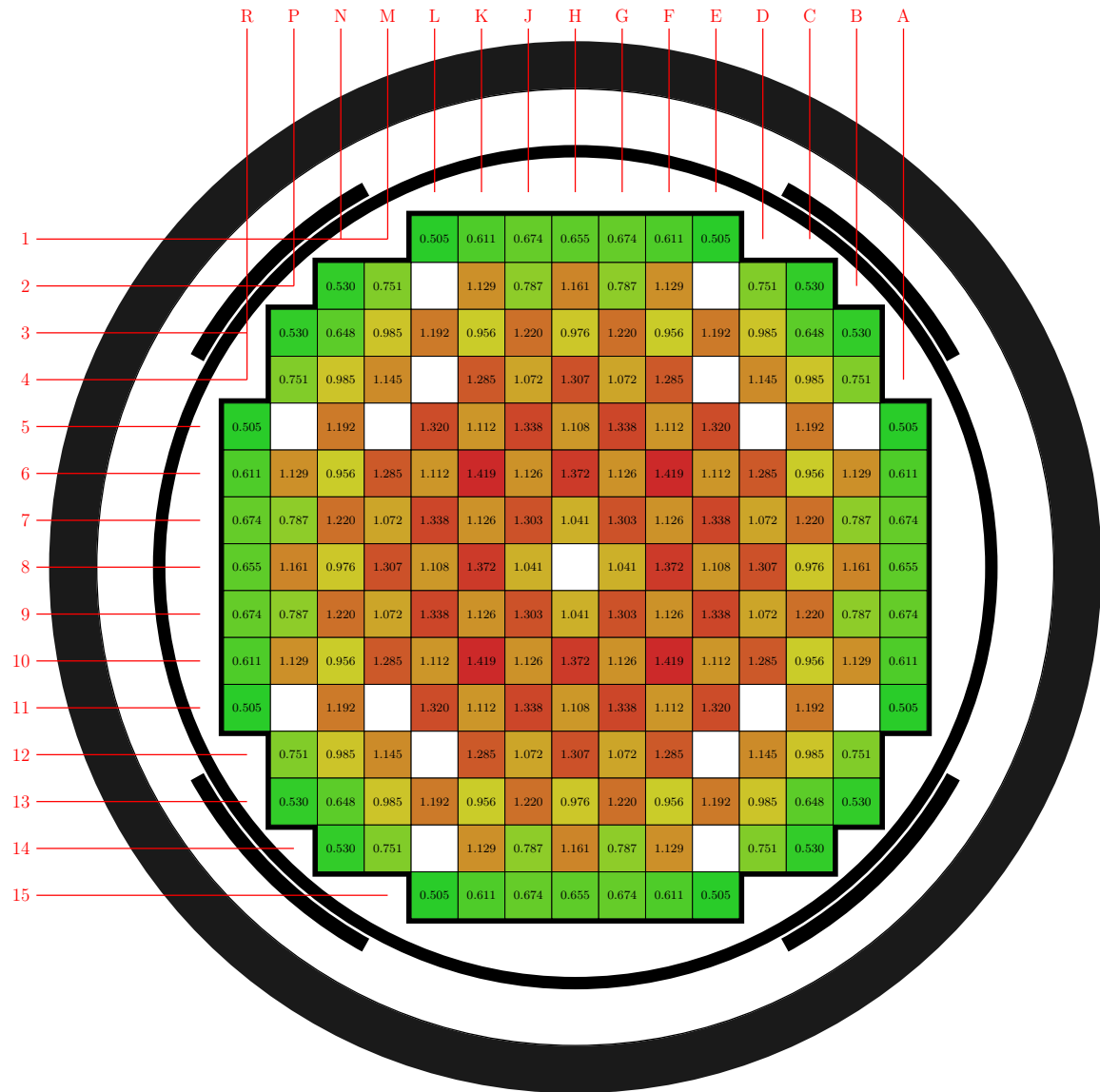


Figure 5: Radial detector measurements (tilt corrected).

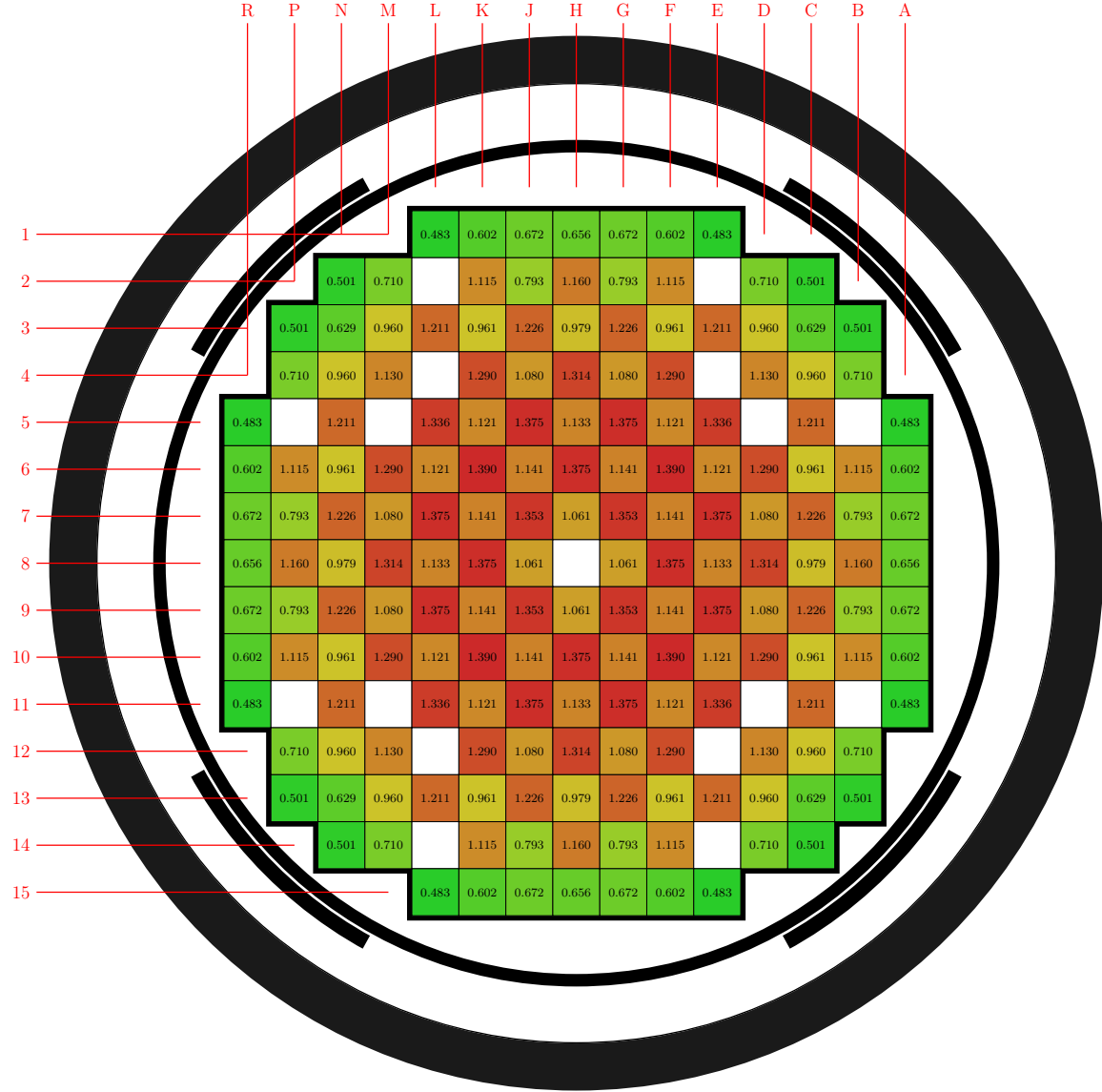


Figure 6: Radial detector measurements (simulate normalized to tilt corrected data).

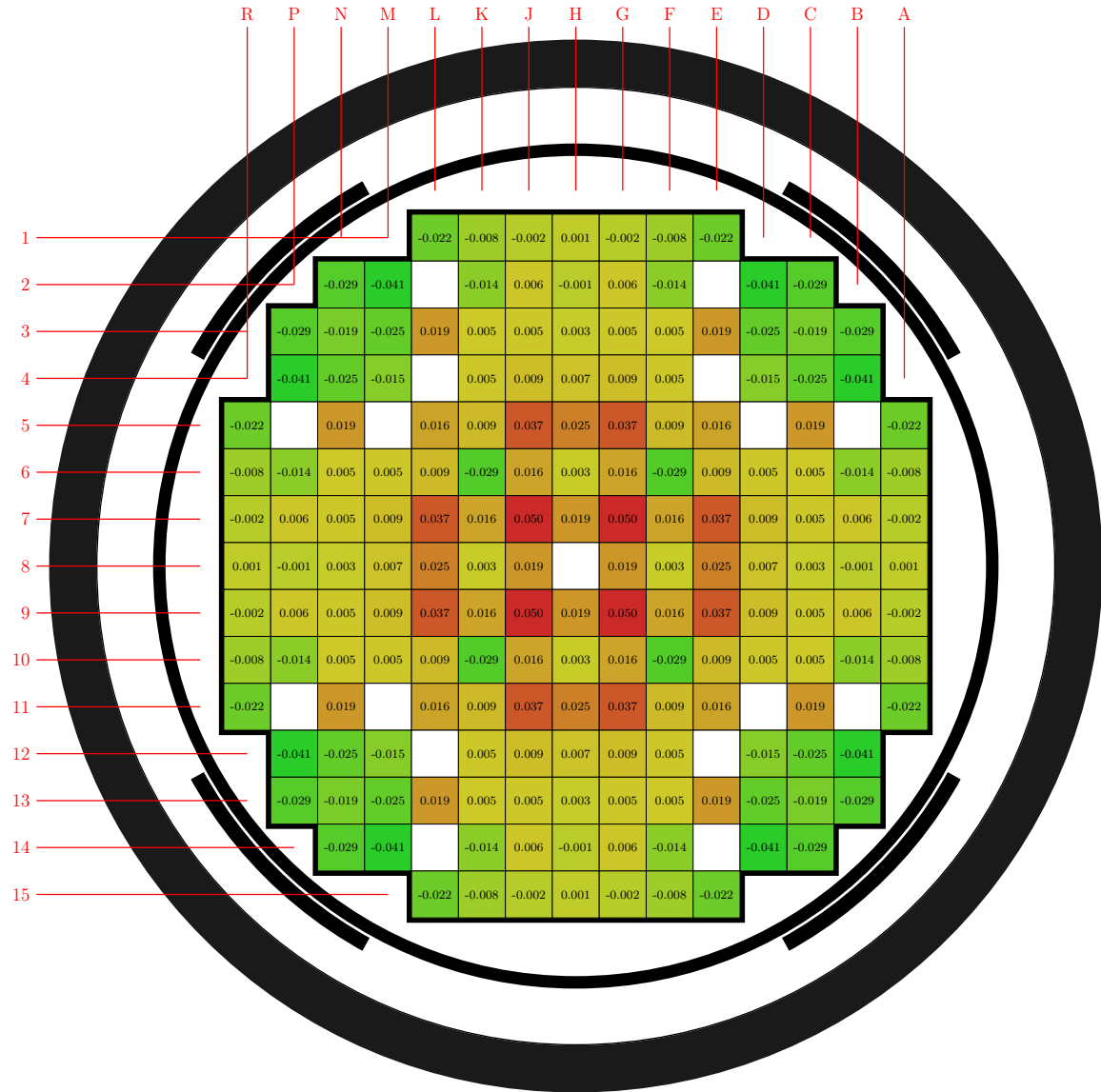


Figure 7: Radial detector absolute difference (simulate minus tilt corrected data).

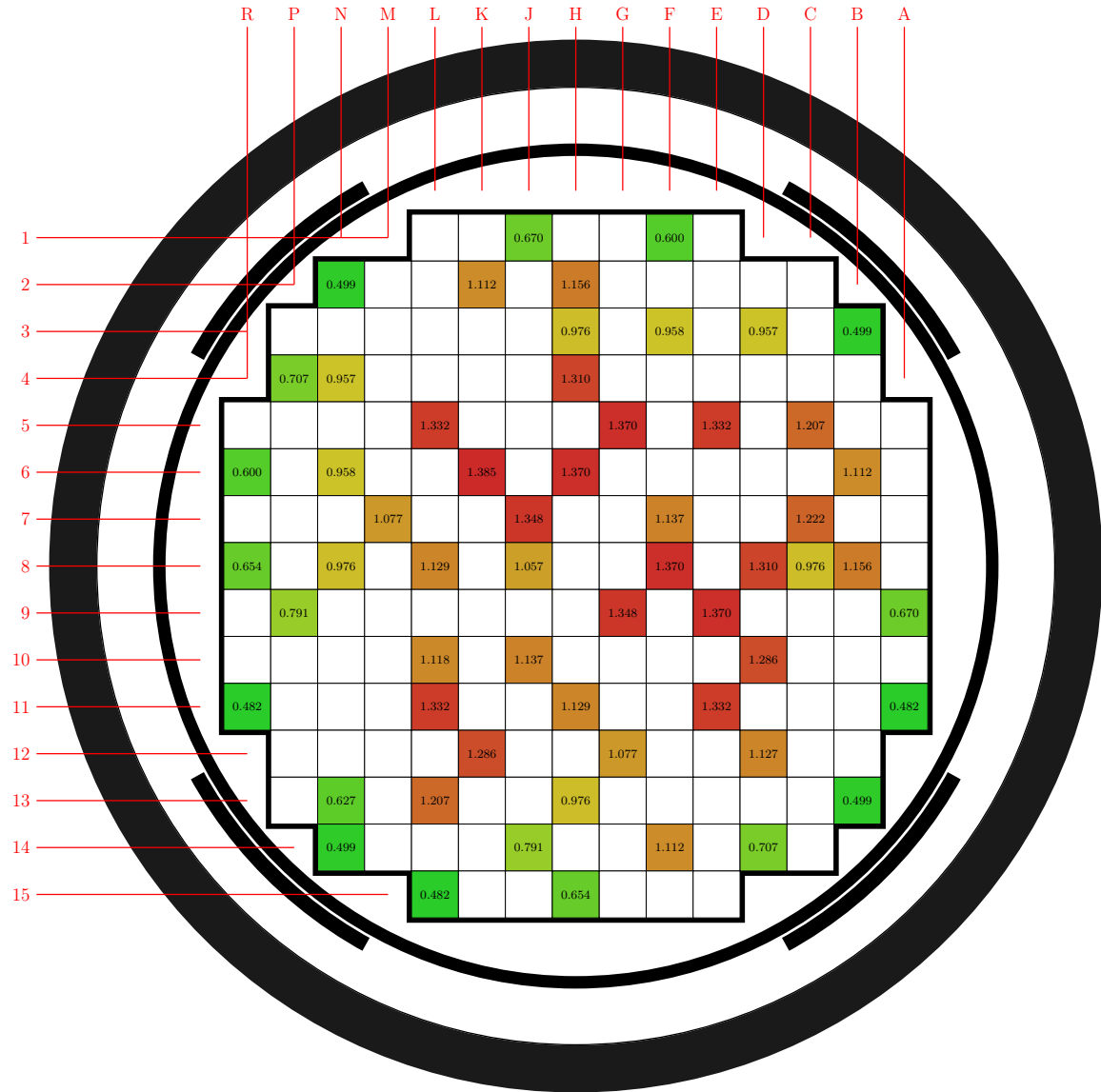


Figure 8: Radial detector measurements (simulate normalized to detector data).

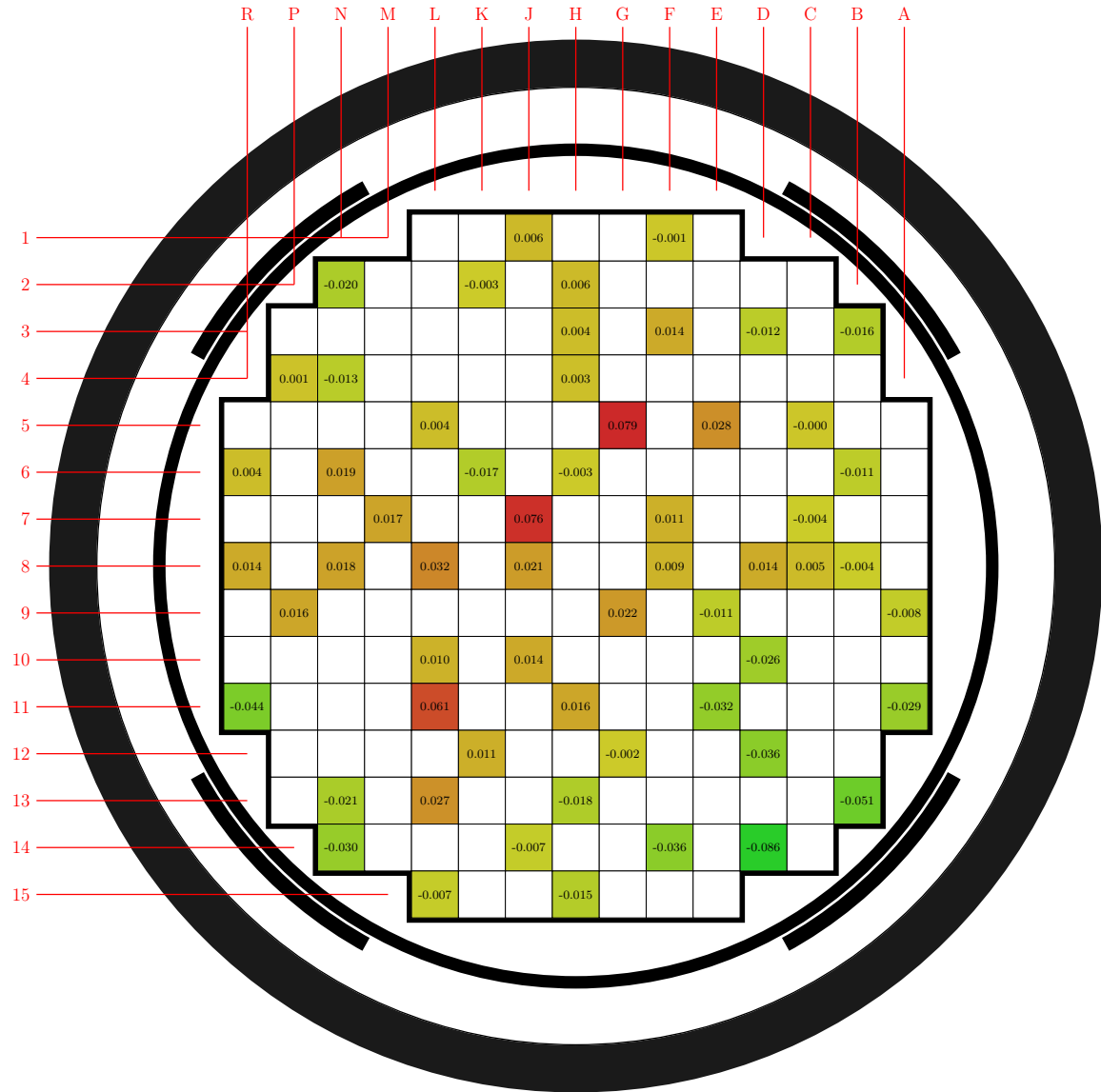


Figure 9: Radial detector absolute difference (simulate minus detector data).