

Measurements taken 42 calendar days since BOC.

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

- 1 2221.1 846. 228. 228. 228. 175. 230.
- 2 2221.5 846. 228. 228. 228. 175. 230.
- 3 2214.5 846. 228. 228. 228. 175. 230.
- 4 2213.2 846. 228. 228. 228. 175. 230.
- 5 2219.3 846. 228. 228. 228. 175. 230.
- 6 2211.3 846. 228. 228. 228. 176. 230.
- 7 2201.7 846. 228. 228. 228. 176. 230.
- 8 2221.7 846. 228. 228. 228. 176. 230.
- 9 2237.1 846. 228. 228. 228. 176. 230.
- 10 2202.1 846. 228. 228. 228. 176. 230.
- 11 2221.2 846. 228. 228. 228. 177. 230.
- 12 2220.6 846. 228. 228. 228. 177. 230.

Average Power [MWt]: 2217.10833333

Inlet Coolant Temperature [°F]: 556.425

Core Burnup [MWD/MT]: 1408.3

Average Boron [ppm]: 846.0

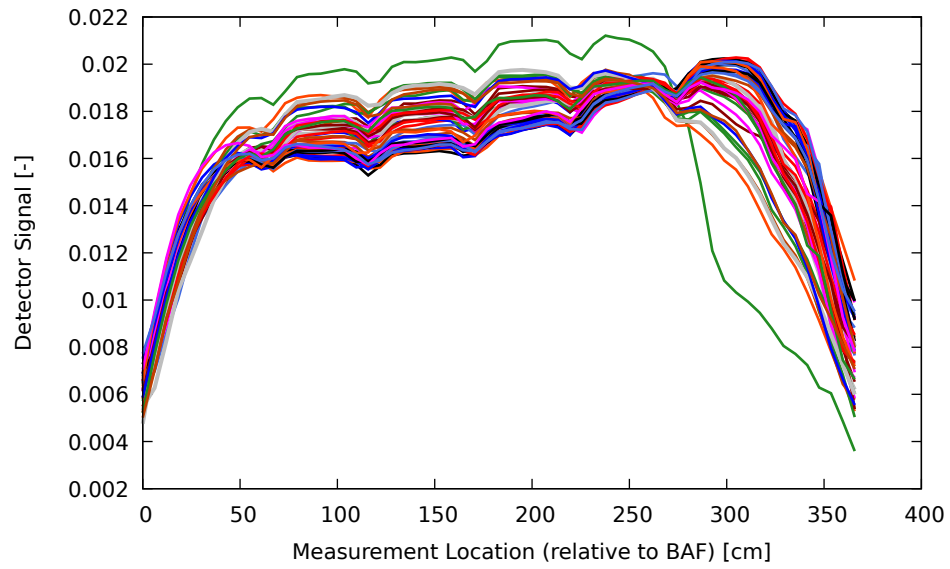


Figure 1: Renormalized data after spline

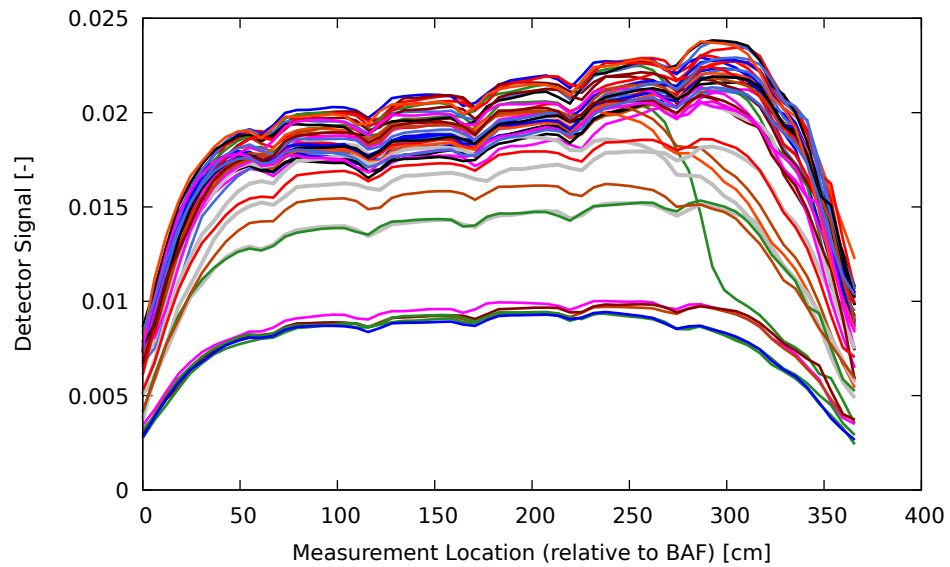


Figure 2: Unnormalized data after spline

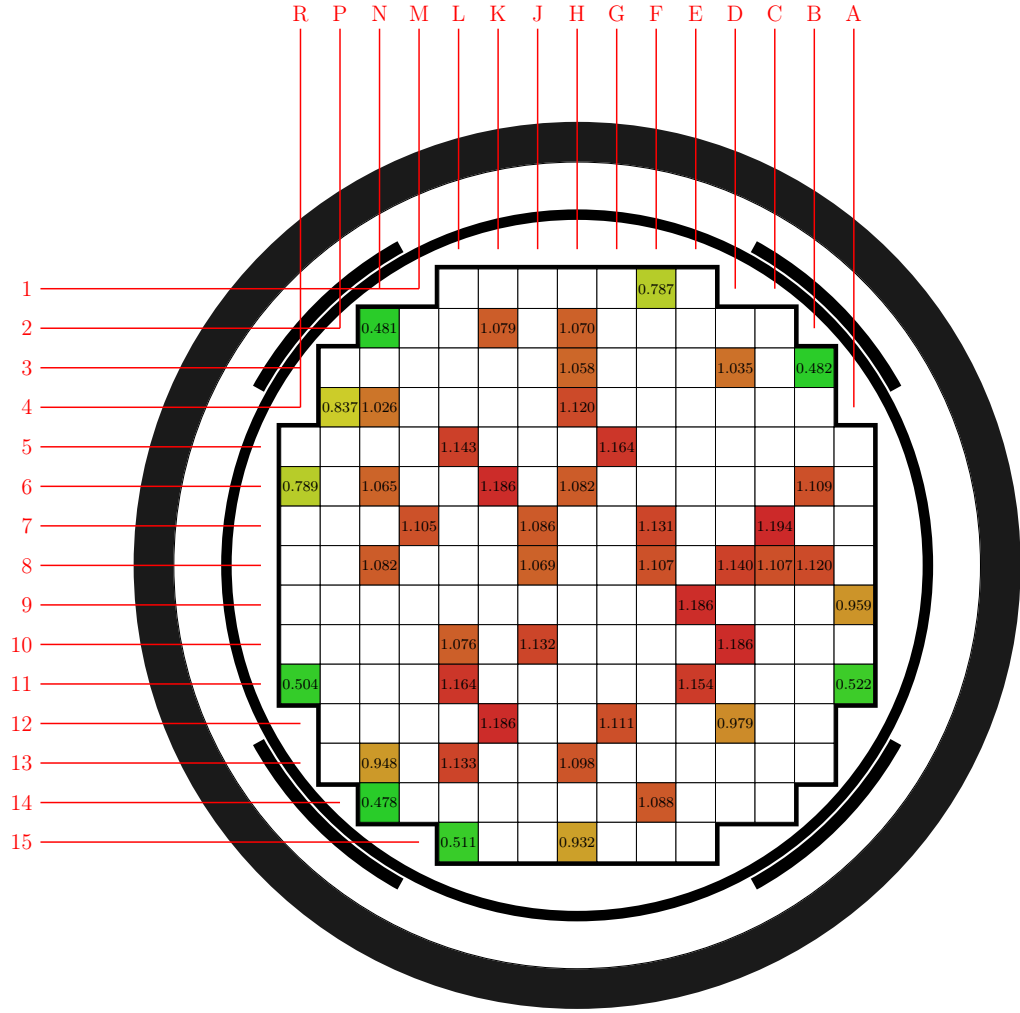


Figure 3: Radial detector measurements (axially integrated).

| | | | | |
|-----|-------|--|-----|-------|
| J1 | | | F1 | 0.787 |
| N2 | 0.481 | | K2 | 1.079 |
| H2 | 1.070 | | H3 | 1.058 |
| F3 | | | D3 | 1.035 |
| B3 | 0.482 | | P4 | 0.837 |
| N4 | 1.026 | | H4 | 1.120 |
| L5 | 1.143 | | G5 | 1.164 |
| E5 | | | C5 | |
| R6 | 0.789 | | N6 | 1.065 |
| K6 | 1.186 | | H6 | 1.082 |
| B6 | 1.109 | | M7 | 1.105 |
| J7 | 1.086 | | F7 | 1.131 |
| C7 | 1.194 | | R8 | |
| N8 | 1.082 | | L8 | |
| J8 | 1.069 | | F8 | 1.107 |
| D8 | 1.140 | | C8 | 1.107 |
| B8 | 1.120 | | G9 | |
| E9 | 1.186 | | A9 | 0.959 |
| L10 | 1.076 | | J10 | 1.132 |
| D10 | 1.186 | | R11 | 0.504 |
| L11 | 1.164 | | H11 | |
| E11 | 1.154 | | A11 | 0.522 |
| K12 | 1.186 | | G12 | 1.111 |
| D12 | 0.979 | | N13 | 0.948 |
| L13 | 1.133 | | H13 | 1.098 |
| N14 | 0.478 | | J14 | |
| F14 | 1.088 | | L15 | 0.511 |
| H15 | 0.932 | | | |

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

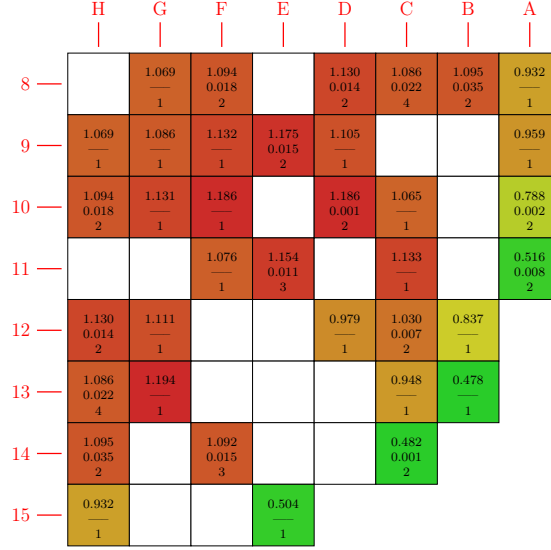


Figure 4: Quarter core (full core folded) radial measurements.

| | | | | |
|-----|-------|--|-----|-------|
| H9 | 1.069 | | D10 | 1.186 |
| D12 | 0.979 | | E11 | 1.154 |
| E15 | 0.504 | | B12 | 0.837 |
| B13 | 0.478 | | C13 | 0.948 |
| C12 | 1.030 | | C11 | 1.133 |
| C10 | 1.065 | | F9 | 1.132 |
| F8 | 1.094 | | C14 | 0.482 |
| F11 | 1.076 | | A11 | 0.516 |
| A10 | 0.788 | | F14 | 1.092 |
| E9 | 1.175 | | H10 | 1.094 |
| H12 | 1.130 | | H13 | 1.086 |
| H14 | 1.095 | | H15 | 0.932 |
| D9 | 1.105 | | D8 | 1.130 |
| C8 | 1.086 | | B8 | 1.095 |
| G13 | 1.194 | | G12 | 1.111 |
| G10 | 1.131 | | A8 | 0.932 |
| A9 | 0.959 | | F10 | 1.186 |
| G8 | 1.069 | | G9 | 1.086 |

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

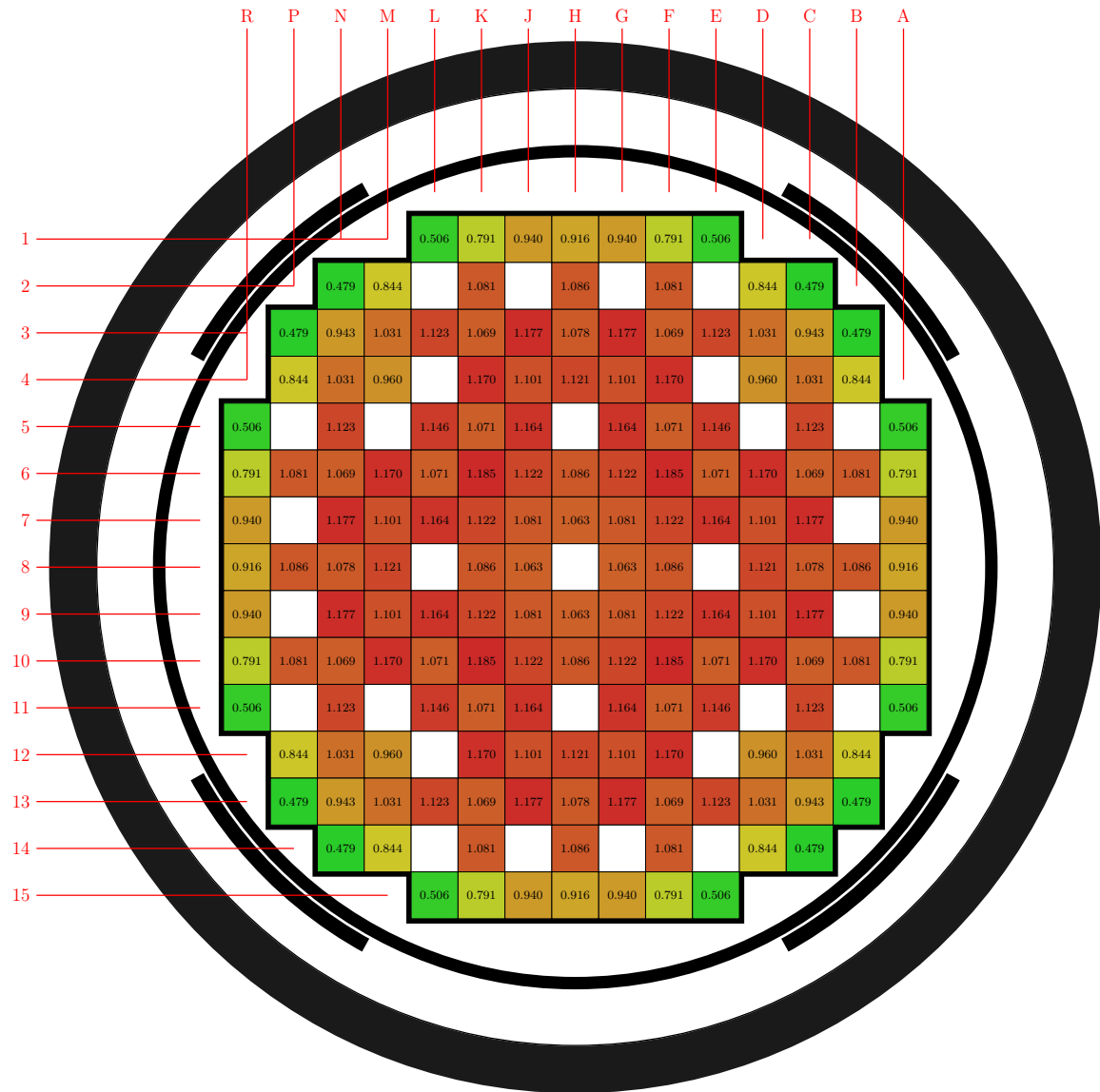


Figure 5: Radial detector measurements (tilt corrected).

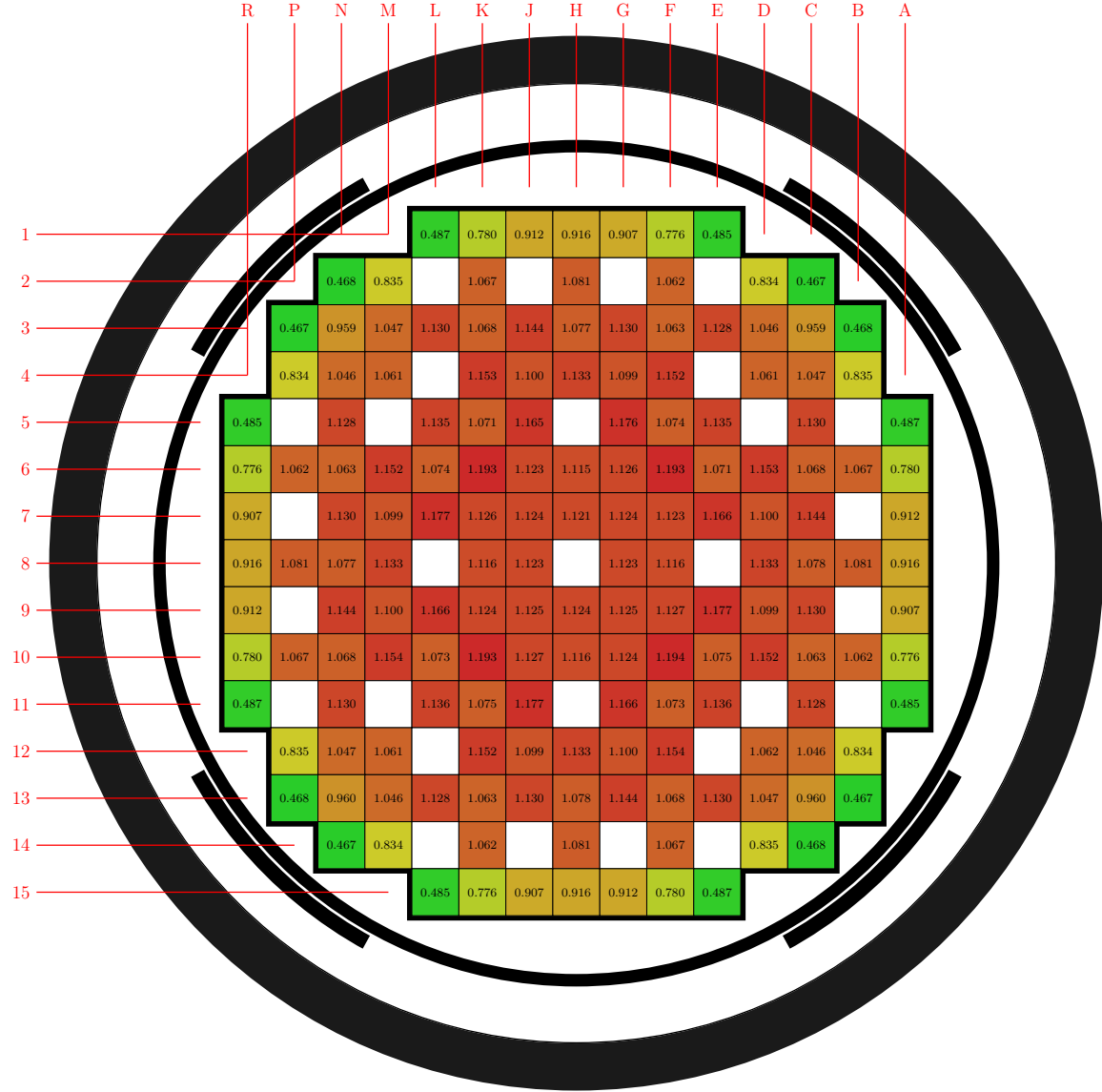


Figure 6: Radial detector measurements (simulate normalized to tilt corrected data).

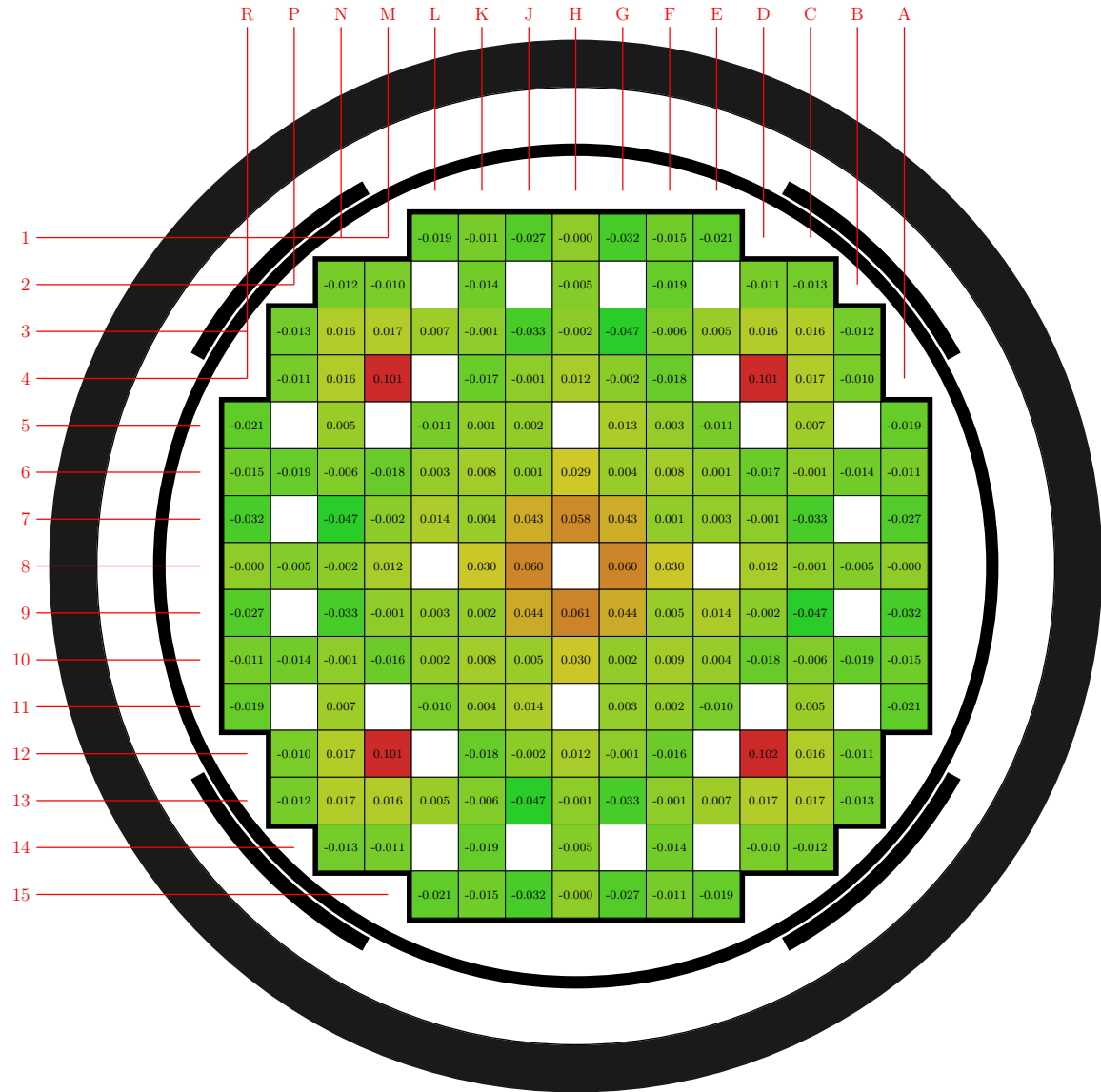


Figure 7: Radial detector absolute difference (simulate minus tilt corrected data).

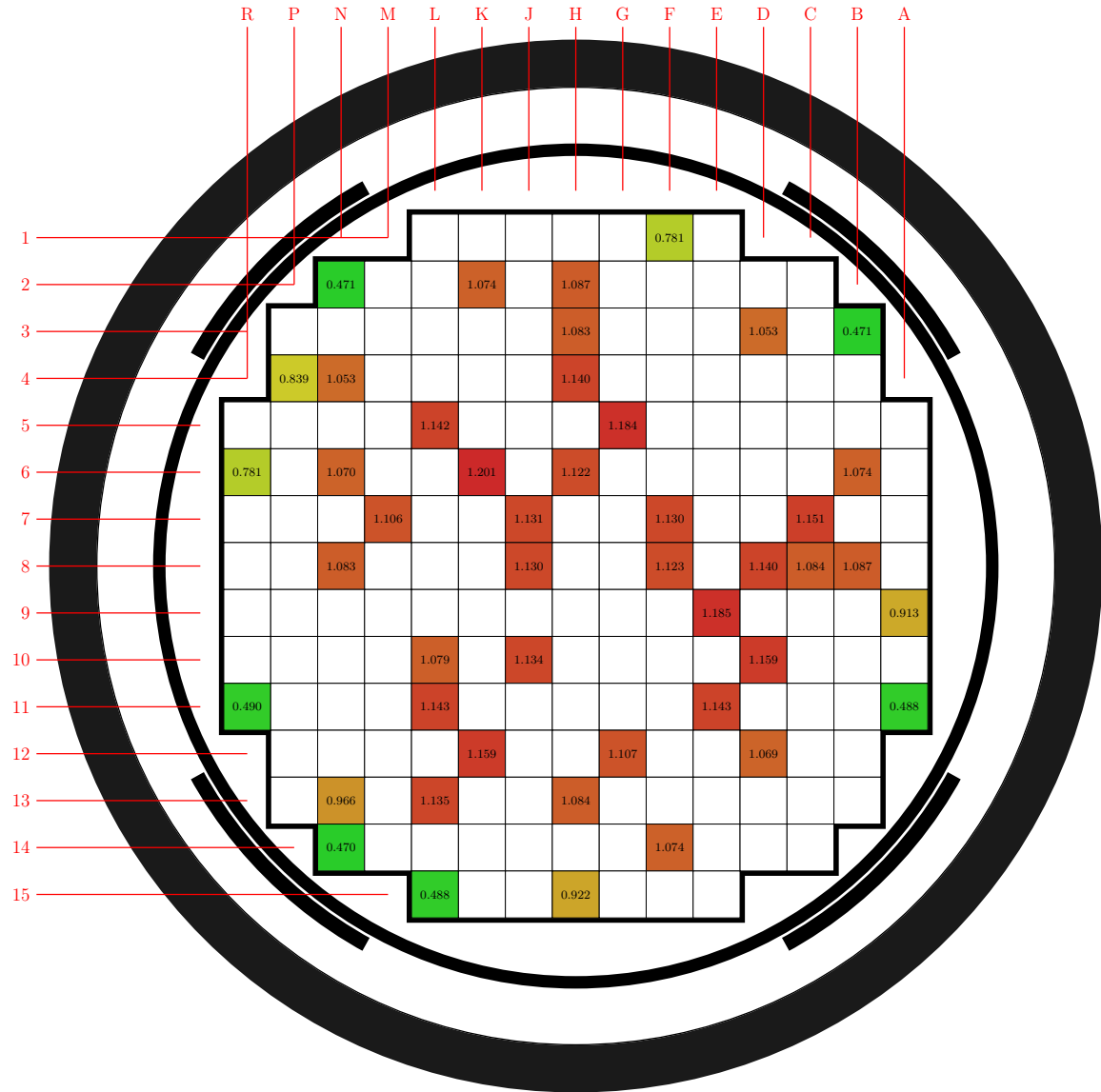


Figure 8: Radial detector measurements (simulate normalized to detector data).

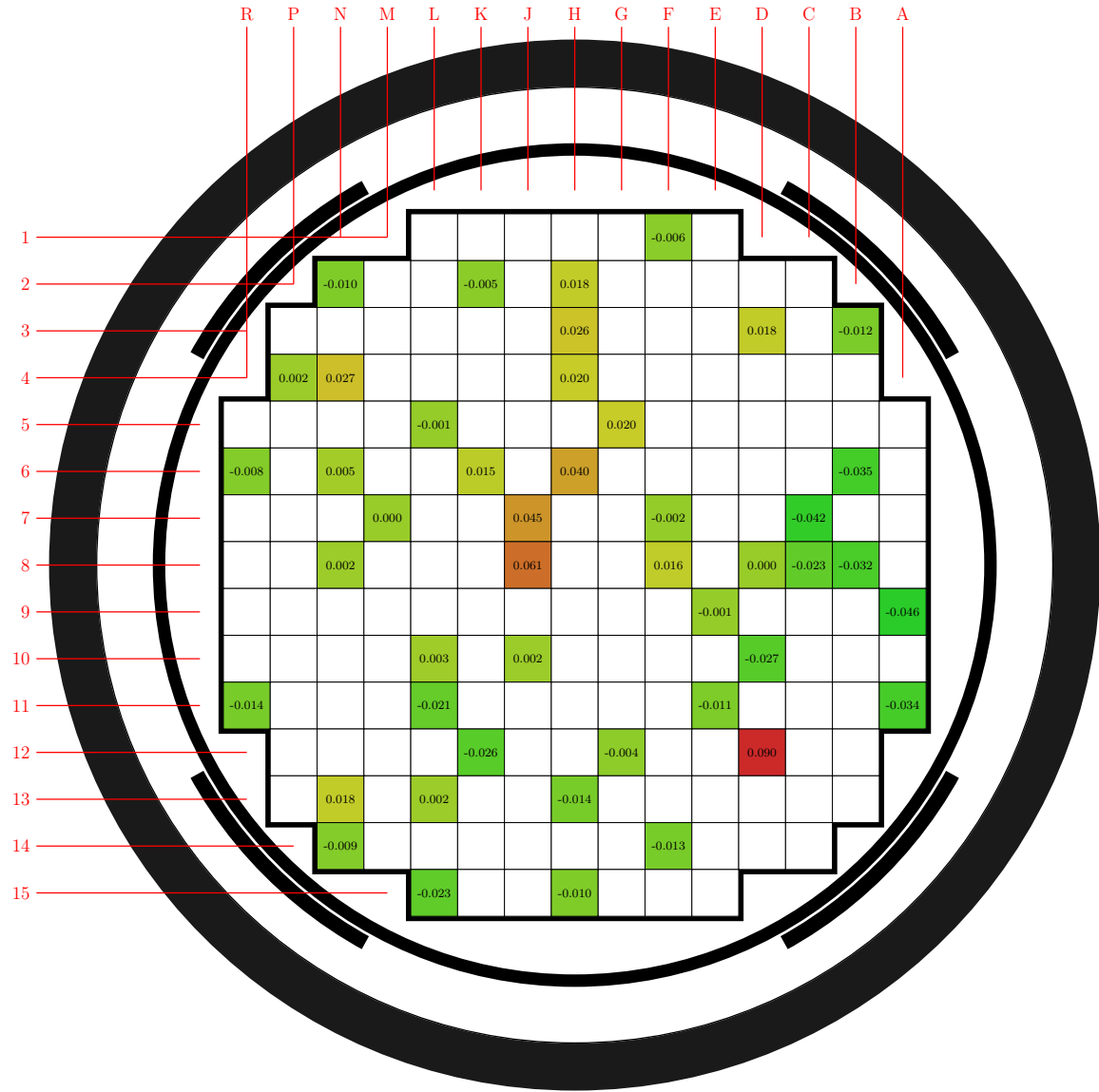


Figure 9: Radial detector absolute difference (simulate minus detector data).