

Measurements taken 82 calendar days since BOC.

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

- 1 2509.6 642. 228. 228. 228. 160. 230.
- 2 2508.2 648. 228. 228. 228. 160. 230.
- 3 2491.3 645. 228. 228. 228. 160. 230.
- 4 2501.0 645. 228. 228. 228. 160. 230.
- 5 2476.3 647. 228. 228. 228. 158. 230.
- 6 2481.1 648. 228. 228. 228. 158. 230.
- 7 2494.6 648. 228. 228. 228. 158. 230.
- 8 2489.4 647. 228. 228. 228. 158. 230.
- 9 2494.9 645. 228. 228. 228. 158. 230.
- 10 2502.7 647. 228. 228. 228. 158. 230.
- 11 2499.2 647. 228. 228. 228. 158. 230.
- 12 2497.2 641. 228. 228. 228. 158. 230.
- 13 2499.9 616. 228. 228. 228. 158. 230.

Average Power [MWt]: 2495.8

Inlet Coolant Temperature [°F]: 558.775

Core Burnup [MWD/MT]: 669.3

Average Boron [ppm]: 643.538461538

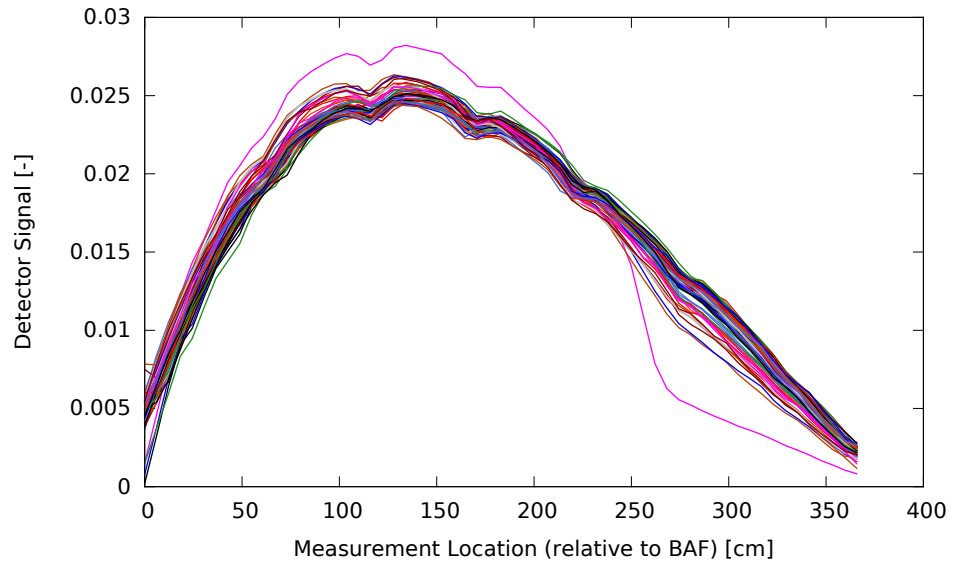


Figure 1: Renormalized data after spline

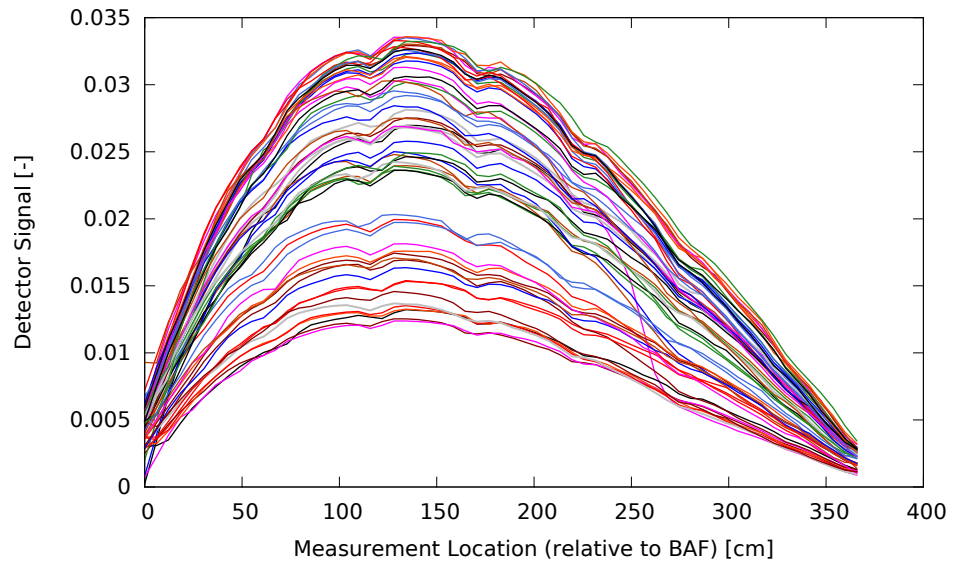


Figure 2: Unnormalized data after spline

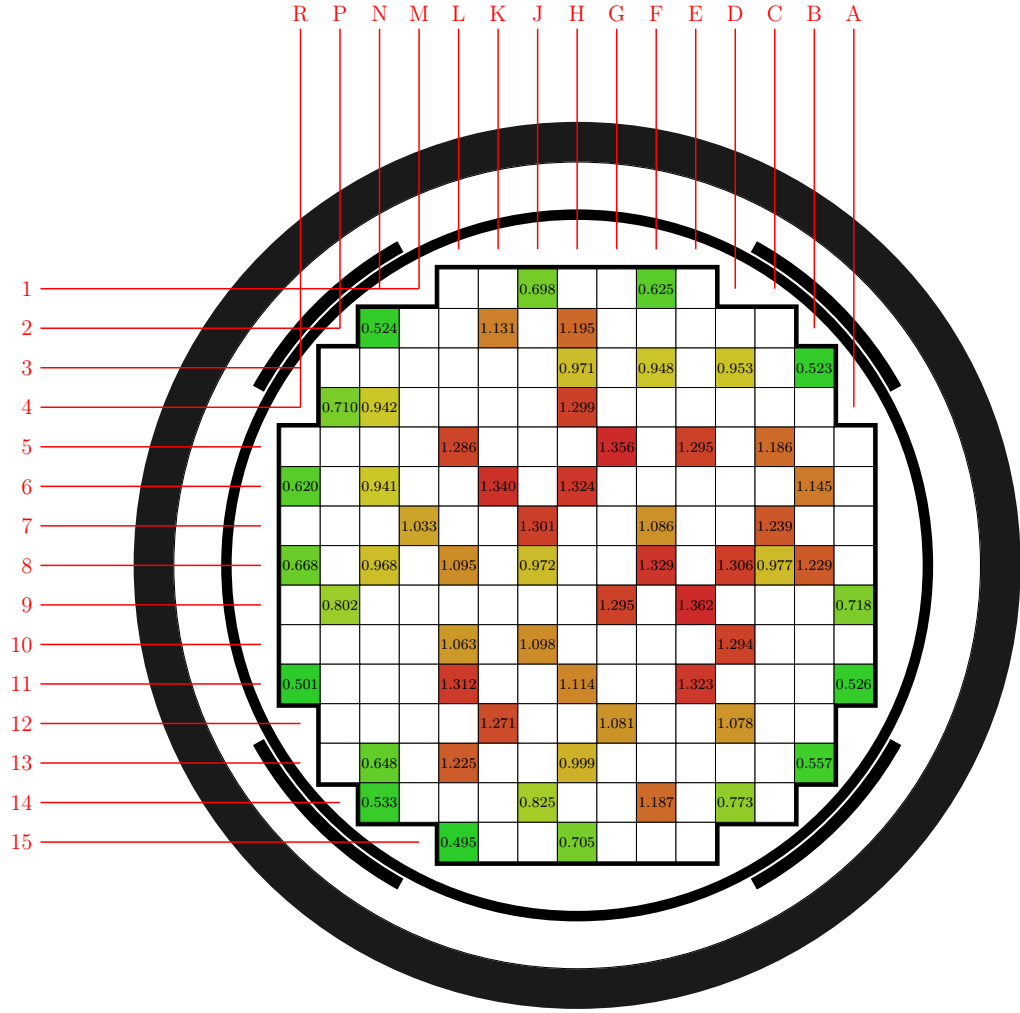


Figure 3: Radial detector measurements (axially integrated).

J1	0.698		F1	0.625
N2	0.524		K2	1.131
H2	1.195		H3	0.971
F3	0.948		D3	0.953
B3	0.523		P4	0.710
N4	0.942		H4	1.299
L5	1.286		G5	1.356
E5	1.295		C5	1.186
R6	0.620		N6	0.941
K6	1.340		H6	1.324
B6	1.145		M7	1.033
J7	1.301		F7	1.086
C7	1.239		R8	0.668
N8	0.968		L8	1.095
J8	0.972		F8	1.329
D8	1.306		C8	0.977
B8	1.229		P9	0.802
G9	1.295		E9	1.362
A9	0.718		L10	1.063
J10	1.098		D10	1.294
R11	0.501		L11	1.312
H11	1.114		E11	1.323
A11	0.526		K12	1.271
G12	1.081		D12	1.078
N13	0.648		L13	1.225
H13	0.999		B13	0.557
N14	0.533		J14	0.825
F14	1.187		D14	0.773
L15	0.495		H15	0.705

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

	H	G	F	E	D	C	B	A
8		0.972 — 1	1.326 0.003 2	1.104 0.014 2	1.303 0.005 2	0.979 0.014 4	1.212 0.024 2	0.686 0.026 2
9	0.972 — 1	1.298 0.004 2	1.098 — 1	1.359 0.004 2	1.033 — 1		0.825 — 1	0.718 — 1
10	1.326 0.003 2	1.086 — 1	1.340 — 1		1.282 0.017 2	0.944 0.005 2		0.623 0.004 2
11	1.104 0.014 2		1.063 — 1	1.304 0.017 4		1.225 — 1		0.510 0.022 2
12	1.303 0.005 2	1.081 — 1			1.078 — 1	0.947 0.008 2	0.710 — 1	
13	0.979 0.014 4	1.239 — 1		1.186 — 1		0.648 — 1	0.545 0.017 2	
14	1.212 0.024 2	0.802 — 1	1.154 0.029 3		0.773 — 1	0.524 0.001 2		
15	0.686 0.026 2	0.698 — 1		0.501 — 1				

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

D14	0.773		H9	0.972
D10	1.282		D12	1.078
E11	1.304		E13	1.186
E15	0.501		B12	0.710
B13	0.545		C13	0.648
C12	0.947		C11	1.225
C10	0.944		F9	1.098
F8	1.326		C14	0.524
F11	1.063		A11	0.510
A10	0.623		F14	1.154
E8	1.104		E9	1.359
H10	1.326		H11	1.104
H12	1.303		H13	0.979
H14	1.212		H15	0.686
D9	1.033		D8	1.303
C8	0.979		B9	0.825
B8	1.212		G15	0.698
G14	0.802		G13	1.239
G12	1.081		G10	1.086
A8	0.686		A9	0.718
F10	1.340		G8	0.972
G9	1.298			

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

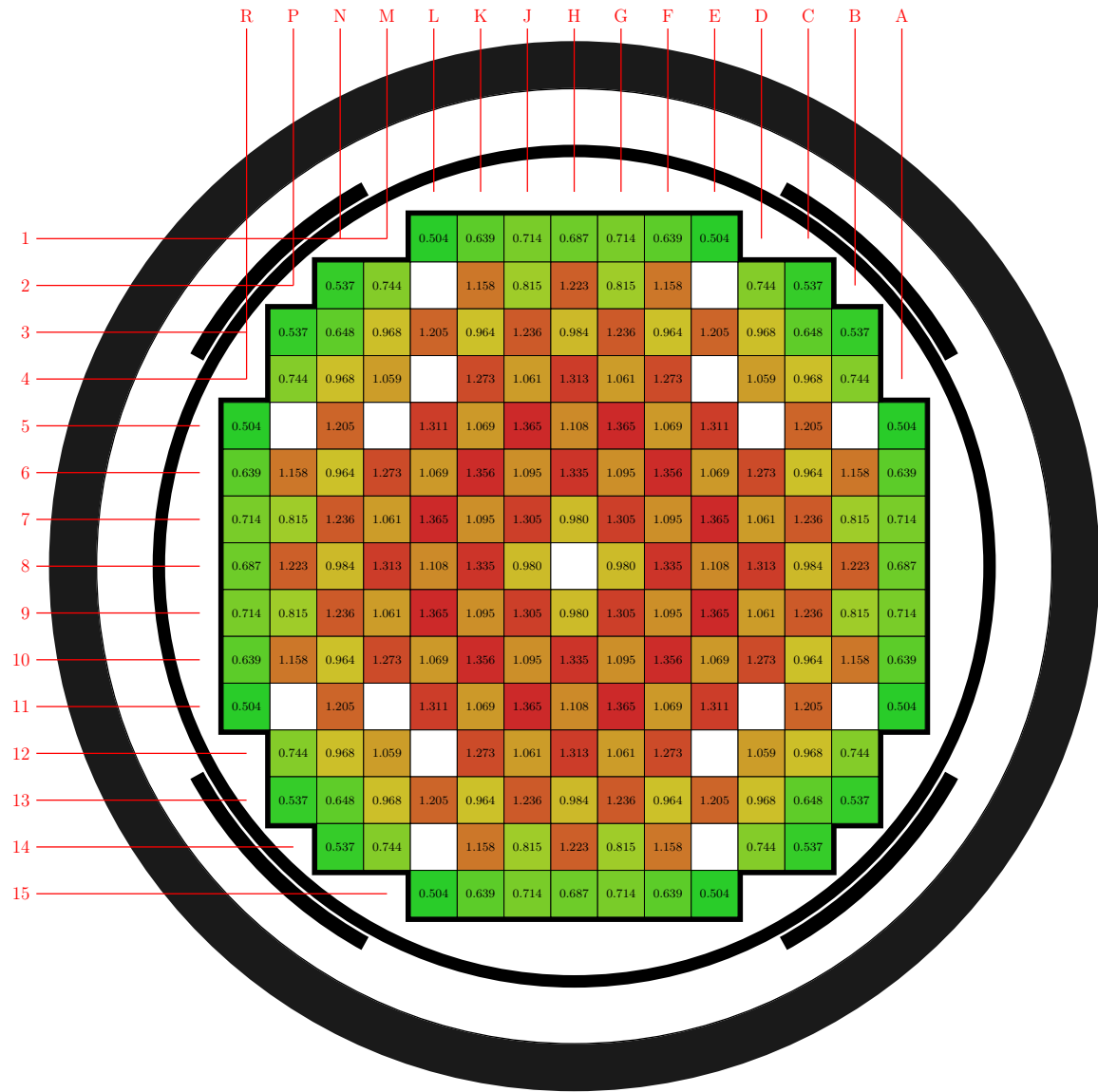


Figure 5: Radial detector measurements (tilt corrected).

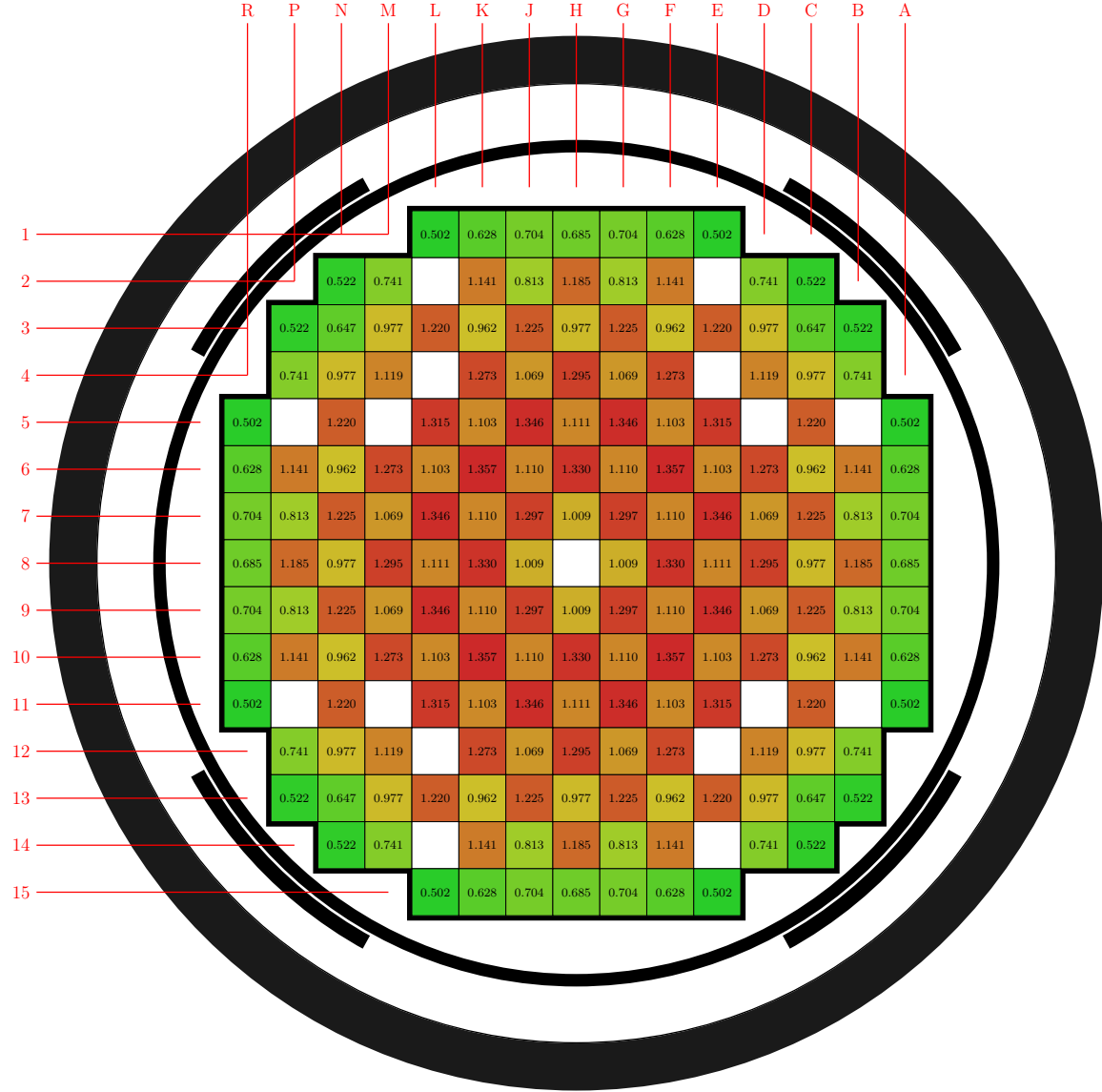


Figure 6: Radial detector measurements (simulate normalized to tilt corrected data).

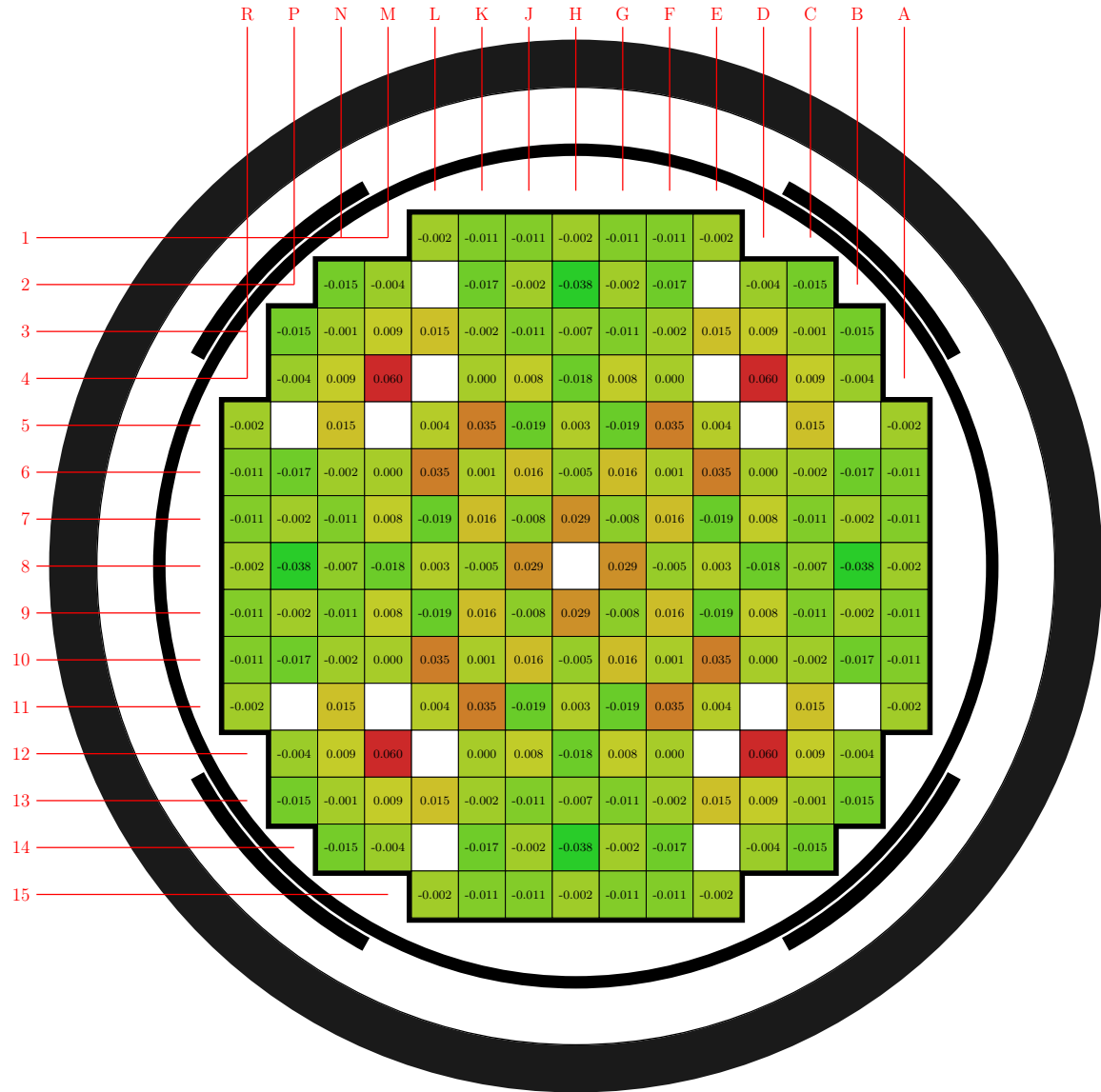
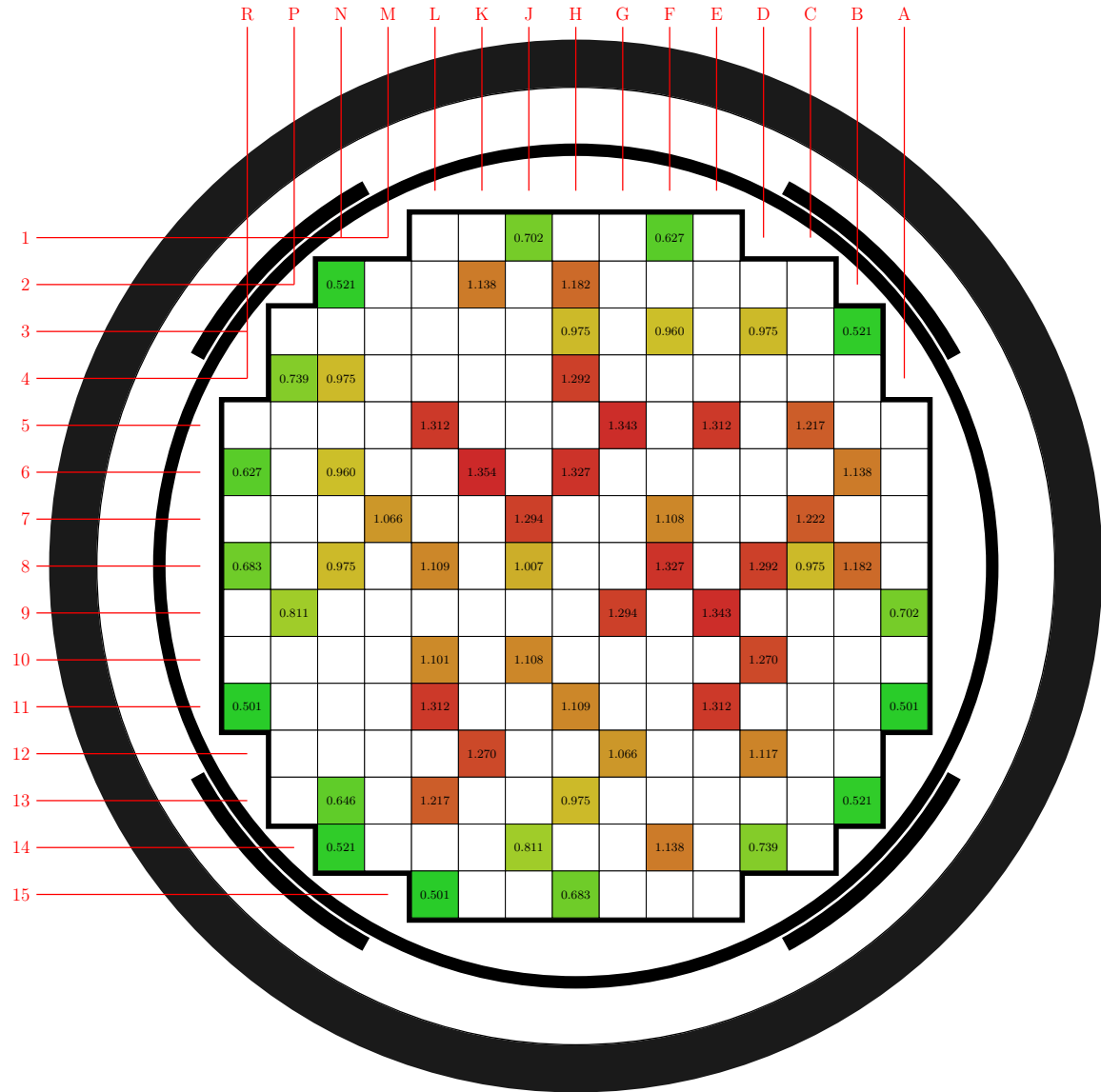


Figure 7: Radial detector absolute difference (simulate minus tilt corrected data).



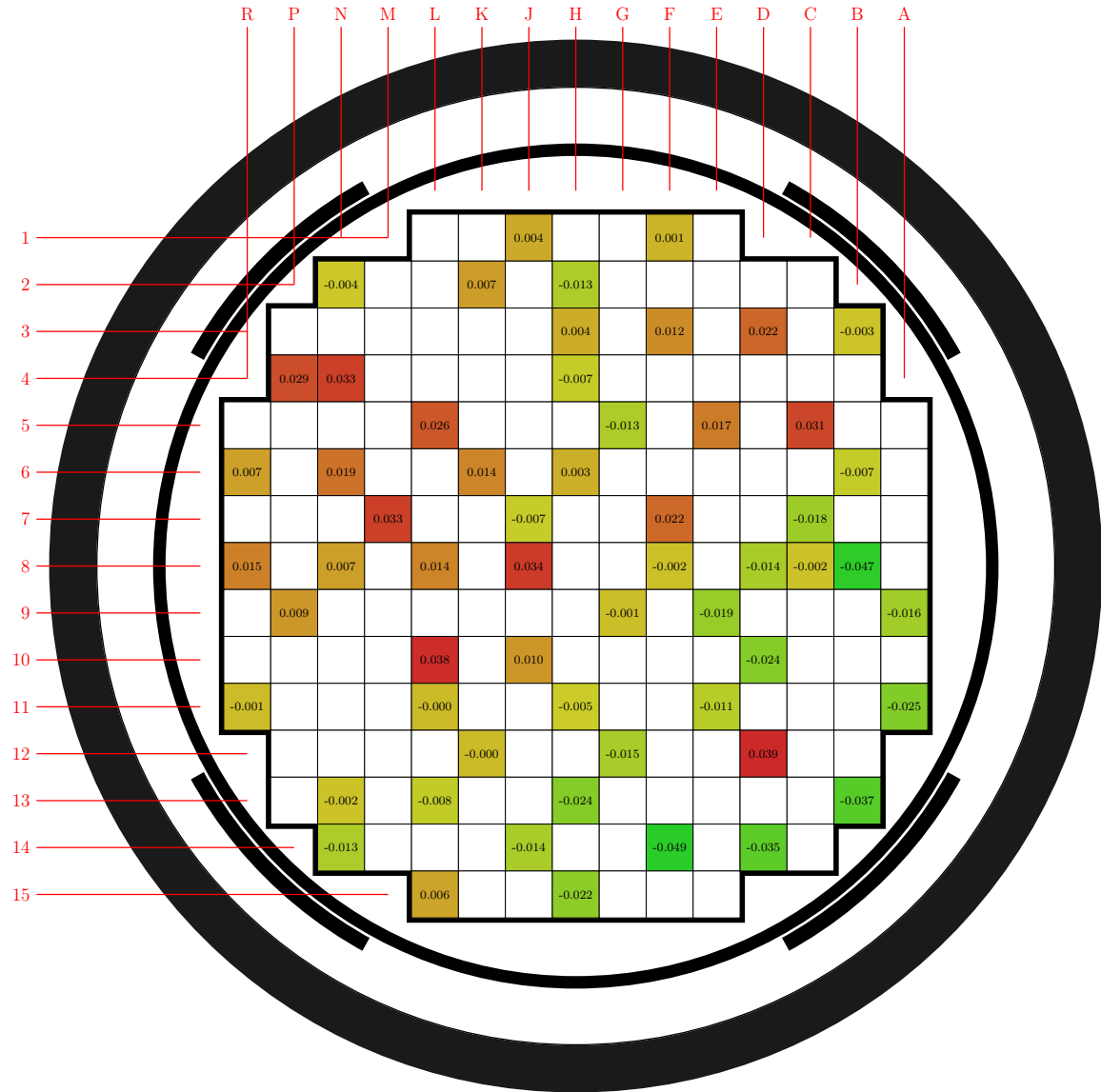


Figure 9: Radial detector absolute difference (simulate minus detector data).