



BC-038

## BOOSTER MAGNET REPORT

### Results

Date 05/05/2015

Hour 09:10:58

Temperature [°C] 24.0

Number of Measurements 20

Main Coil Current [A] (9.979 ± 0.005)

Trim Coil Current [A] --

Integrated Field [T.m] (-3.39063 ± 0.00009) x E-3

Magnet Center Offset X [μm] --

Magnet Center Offset Y [μm] --

Roll [mrad] (-2.0 ± 0.1)

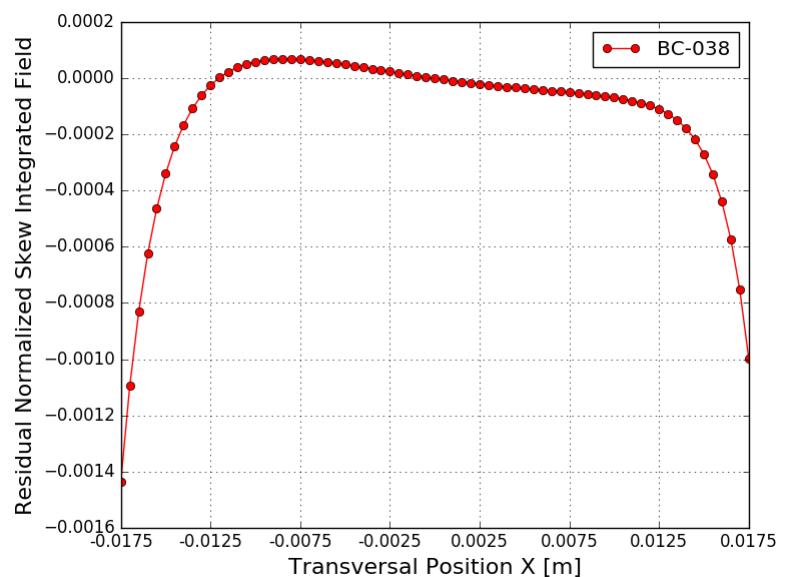
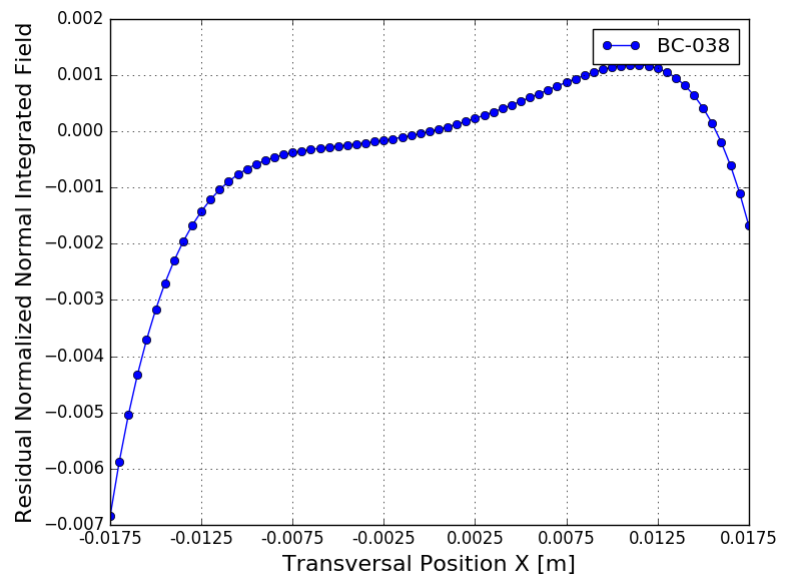
### Electric Parameters

Inductance [mH] 3.151

Voltage [V] 0.693

Resistance [mΩ] 77.020

Main Coil Number of Turns 38.5



n	Normalized Normal Multipoles x=17.5 mm [T.m <sup>(2-n)</sup> ]	Normalized Skew Multipoles x=17.5 mm [T.m <sup>(2-n)</sup> ]
1 (dipole)	(1 ± 0)	(-2 ± 0) x E-3
2 (quadrupole)	(1 ± 0) x E-3	(-2 ± 0) x E-4
3 (sextupole)	(2 ± 0) x E-3	(1 ± 0) x E-4
4	(4 ± 0) x E-4	(7 ± 0) x E-5
5	(-2 ± 0) x E-3	(-3 ± 0) x E-4
6	(1 ± 0) x E-3	(2 ± 0) x E-4
7	(-4 ± 0) x E-3	(-2 ± 0) x E-4
8	(-1 ± 0) x E-4	(1 ± 0) x E-4
9	(4 ± 0) x E-5	(-2 ± 0) x E-4
10	(-3 ± 0) x E-4	(7 ± 0) x E-5
11	(6 ± 0) x E-4	(-1 ± 0) x E-4
12	(1 ± 0) x E-4	(-2 ± 0) x E-5
13	(-2 ± 0) x E-4	(-3 ± 0) x E-4
14	(2 ± 0) x E-4	(-2 ± 0) x E-5
15	(-3 ± 0) x E-4	(-2 ± 0) x E-4