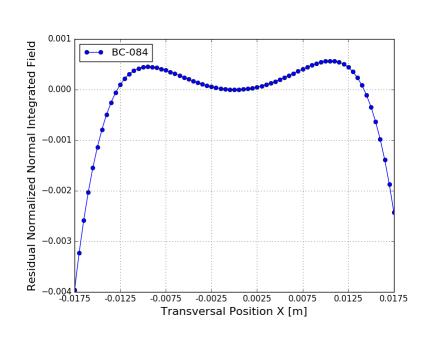


BC-084

BOOSTER MAGNET REPORT

Results		
Date	28/04/2016	
Hour	12:59:41	
Temperature [°C]	23.0	
Number of Measurements	17	
Main Coil Current [A]	(9.9787 ± 0.0006)	
Trim Coil Current [A]		
Integrated Field [T.m]	(-3.38906 ± 0.00006) x E-3	
Magnet Center Offset X [μm]		
Magnet Center Offset Y [μm]		
Roll [mrad]	(6.9 ± 0.3) x E-1	
Electric Parameters		
Indutance [mH]	3.194	
Voltage [V]	0.774	
Resistance [m Ω]	77.380	
Main Coil Number of Turns	38.5	



n	Normalized Normal Multipoles x=17.5 mm [T.m ⁽²⁻ⁿ⁾]	Normalized Skew Multipoles x=17.5 mm [T.m ⁽²⁻ⁿ⁾]
1 (dipole)	(1.00000 ± 0.00002)	(6.89 ± 0.09) x E-4
2 (quadrupole)	(-2.6 ± 0.8) x E-5	(-5.2 ± 0.1) x E-4
3 (sextupole)	(2.69 ± 0.01) x E-3	(8 ± 1) x E-5
4	(1.4 ± 0.1) x E-4	(1 ± 1) x E-5
5	(-2.22 ± 0.01) x E-3	(3 ± 2) x E-5
6	(8.0 ± 0.1) x E-4	(2 ± 1) x E-5
7	(-4.076 ± 0.005) x E-3	(-3 ± 1) x E-5
8	(-2 ± 1) x E-5	(3.0 ± 0.7) x E-5
9	(3 ± 1) x E-5	(1.1 ± 13.1) x E-6
10	(-1.50 ± 0.07) x E-4	(3 ± 1) x E-5
11	(4.8 ± 0.1) x E-4	(1.8 ± 1.0) x E-5
12	(2.6 ± 0.9) x E-5	(2 ± 1) x E-5
13	(-6 ± 2) x E-5	(2 ± 2) x E-5
14	(-3.1 ± 20.3) x E-6	(5 ± 3) x E-5
15	(-4 ± 2) x E-5	(-4 ± 3) x E-5

