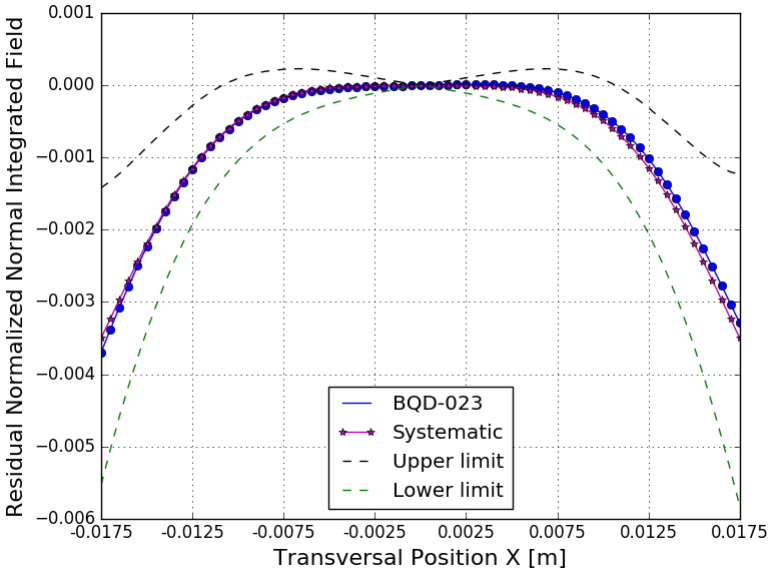
BQD-023

BOOSTER MAGNET REPORT

Results	
Date	09/05/2016
Hour	10:17:54
Temperature [°C]	23.6
Number of Measurements	17
Main Coil Current [A]	(31.9679 ± 0.0004)
Trim Coil Current [A]	--
Integrated Gradient [T]	(-5.29156 ± 0.00004) x E-1
Magnet Center Offset X [μm] - (< ±160.0)	(-14.2 ± 0.1)
Magnet Center Offset Y [μm] - (< ±160.0)	(-46.2 ± 0.3)
Roll [mrad] - (< ±0.8)	(-4.1 ± 0.1) x E-1
Electric Parameters	
Indutance [mH]	3.752
Voltage [V]	0.2763
Resistance [mΩ]	27.63
Main Coil Number of Turns	27.5



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)	(-8.14 ± 0.06) x E-4	(-2.64 ± 0.02) x E-3
2 (quadrupole)	(1.000000 ± 0.000008)	(-8.28 ± 0.09) x E-4
3 (sextupole)	(8.5 ± 0.6) x E-5	(-5.9 ± 0.2) x E-4
4	(1.2 ± 0.1) x E-4	(6 ± 2) x E-5
5	(-1 ± 1) x E-5	(4 ± 1) x E-5
6	(-4.70 ± 0.02) x E-3	(-2 ± 1) x E-5
7	(8 ± 2) x E-5	(-1 ± 2) x E-5
8	(-3 ± 2) x E-5	(-3.0 ± 30.1) x E-6
9	(-1 ± 2) x E-5	(-7 ± 2) x E-5
10	(1.19 ± 0.02) x E-3	(-4 ± 3) x E-5
11	(3 ± 2) x E-5	(-1 ± 2) x E-5
12	(-1 ± 3) x E-5	(2.8 ± 40.6) x E-6
13	(1.2 ± 20.3) x E-6	(-1 ± 3) x E-5
14	(-7 ± 3) x E-5	(-4 ± 4) x E-5
15	(3 ± 4) x E-5	(-3 ± 2) x E-5