



BS-013

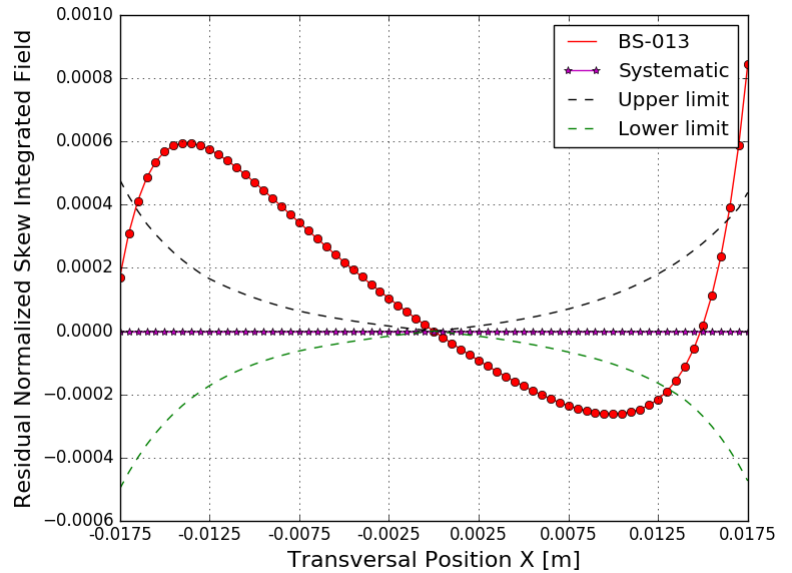
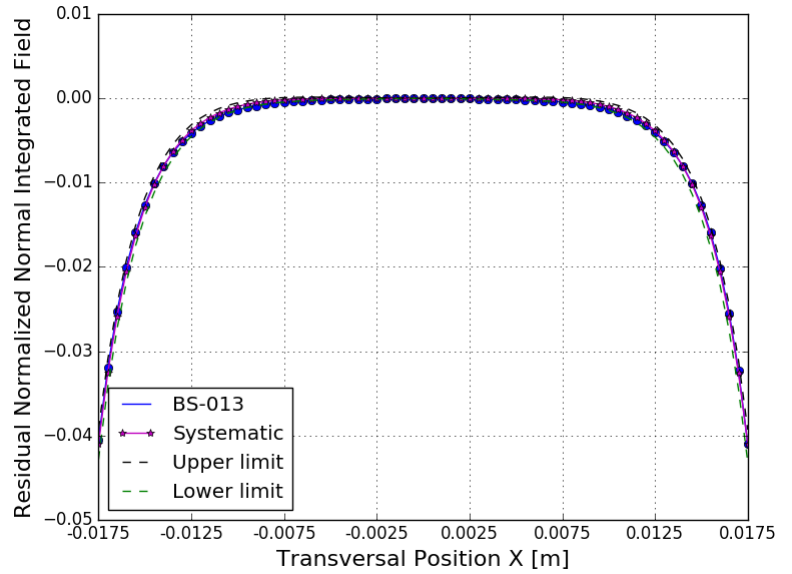
## BOOSTER MAGNET REPORT

### Results

Date	25/10/2016
Hour	15:53:23
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(149.948 ± 0.002)
Trim Coil Current [A]	--
Integrated Gradient [T/m]	(-21.4251 ± 0.0006)
Magnet Center Offset X [μm] - (< ±160.0)	(19.6 ± 0.1)
Magnet Center Offset Y [μm] - (< ±160.0)	(-43.1 ± 0.2)
Roll [mrad] - (< ±0.8)	(1.59 ± 0.05) x E-1

### Electric Parameters

Inductance [mH]	0.106
Voltage [V]	--
Resistance [mΩ]	--
Main Coil Number of Turns	3



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)	(-3.25 ± 0.03) x E-3	(-2.75 ± 0.03) x E-3
2 (quadrupole)	(2.24 ± 0.01) x E-3	(-4.92 ± 0.03) x E-3
3 (sextupole)	(1.00000 ± 0.00003)	(4.8 ± 0.2) x E-4
4	(1.8 ± 21.1) x E-6	(-6.9 ± 0.2) x E-4
5	(-1.59 ± 0.02) x E-3	(2.6 ± 0.4) x E-4
6	(1.6 ± 0.3) x E-4	(-2 ± 4) x E-5
7	(-3.5 ± 0.3) x E-4	(2.2 ± 0.3) x E-4
8	(-1.5 ± 0.3) x E-4	(4.7 ± 0.4) x E-4
9	(-2.176 ± 0.004) x E-2	(-7 ± 5) x E-5
10	(-5.8 ± 33.2) x E-6	(3 ± 3) x E-5
11	(1.1 ± 0.3) x E-4	(-2.99 ± 483.92) x E-7
12	(-2 ± 3) x E-5	(-1 ± 6) x E-5
13	(9.1 ± 51.8) x E-6	(1 ± 2) x E-5
14	(-2.3 ± 0.5) x E-4	(5.5 ± 0.6) x E-4
15	(-1.72 ± 0.01) x E-2	(9.6 ± 15.8) x E-5