



BS-041

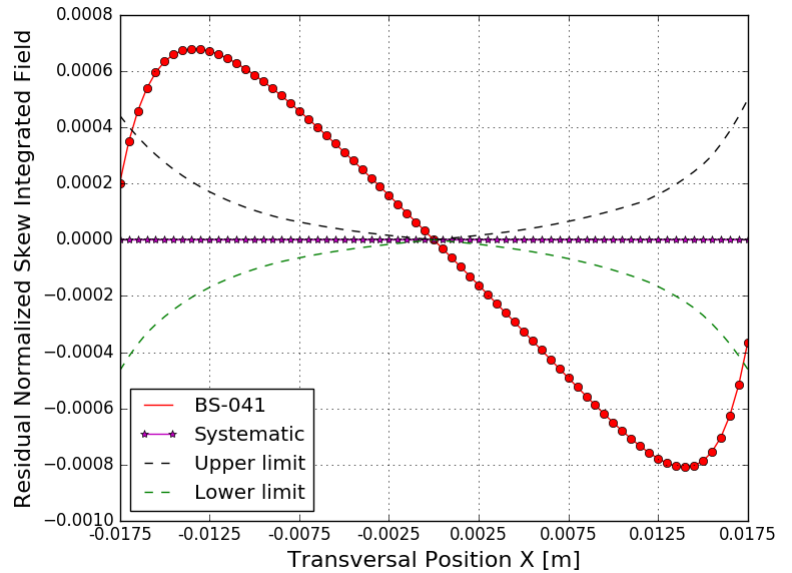
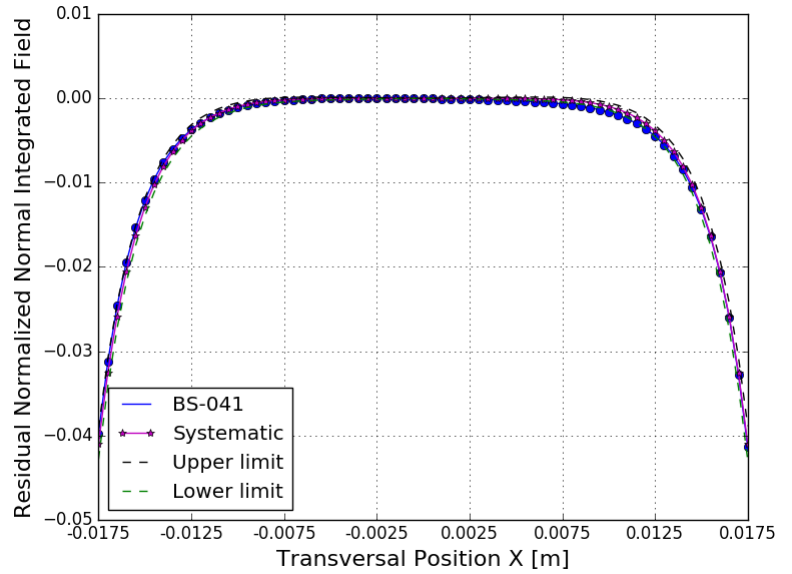
BOOSTER MAGNET REPORT

Results

Date	26/10/2016
Hour	11:37:39
Temperature [°C]	23.1
Number of Measurements	17
Main Coil Current [A]	(149.946 ± 0.001)
Trim Coil Current [A]	--
Integrated Gradient [T/m]	(-21.4102 ± 0.0005)
Magnet Center Offset X [μm] - (< ±160.0)	(14.6 ± 0.1)
Magnet Center Offset Y [μm] - (< ±160.0)	(-29.8 ± 0.1)
Roll [mrad] - (< ±0.8)	(-2.04 ± 0.04) × E-1

Electric Parameters

Inductance [mH]	0.107
Voltage [V]	--
Resistance [mΩ]	--
Main Coil Number of Turns	3



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)	(-3.63 ± 0.04) × E-3	(-1.08 ± 0.02) × E-3
2 (quadrupole)	(1.67 ± 0.01) × E-3	(-3.40 ± 0.02) × E-3
3 (sextupole)	(1.00000 ± 0.00002)	(-6.1 ± 0.1) × E-4
4	(-4.8 ± 0.2) × E-4	(-1.12 ± 0.02) × E-3
5	(-1.61 ± 0.03) × E-3	(-7 ± 2) × E-5
6	(-8.5 ± 25.3) × E-6	(-10 ± 10) × E-6
7	(-3.4 ± 0.2) × E-4	(-8 ± 4) × E-5
8	(-1.3 ± 0.3) × E-4	(3.4 ± 0.3) × E-4
9	(-2.174 ± 0.002) × E-2	(2 ± 3) × E-5
10	(3 ± 4) × E-5	(3 ± 3) × E-5
11	(1.3 ± 0.5) × E-4	(3 ± 9) × E-5
12	(2.12 ± 427.77) × E-7	(-8.7 ± 63.2) × E-6
13	(1 ± 4) × E-5	(2 ± 6) × E-5
14	(-2.3 ± 0.4) × E-4	(4.9 ± 0.6) × E-4
15	(-1.703 ± 0.005) × E-2	(3.5 ± 60.4) × E-6