



S15-093

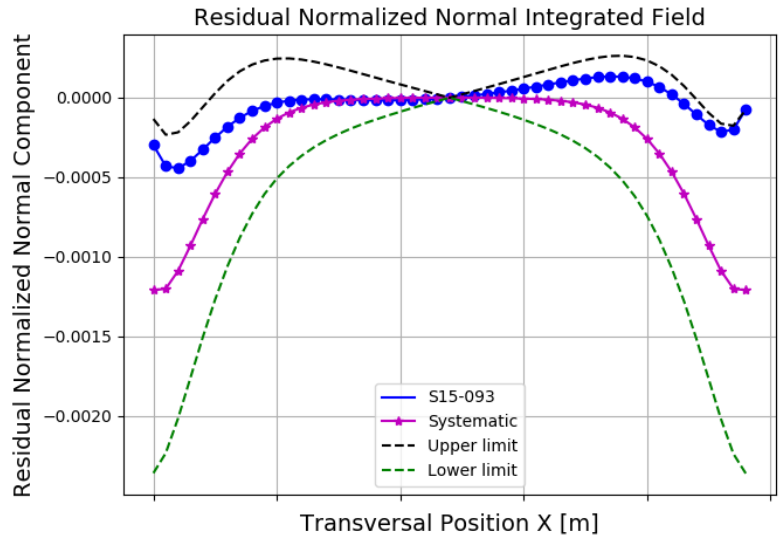
## STORAGE RING MAGNET REPORT

### Results

Date	13/08/2018
Hour	16:36:44
Temperature [°C]	23.344
Number of Measurements	9
Main Coil Current [A]	(167.799 ± 0.001)
Trim Coil Current [A]	(0 ± 0)
CH Coil Current [A]	(0 ± 0)
CV Coil Current [A]	(0 ± 0)
QS Coil Current [A]	(0 ± 0)
Integrated Gradient [T/m]	(-360.278 ± 0.002)
Magnet Center Offset X [μm] - (< ±40.0)	(11.36 ± 0.03)
Magnet Center Offset Y [μm] - (< ±40.0)	(12.86 ± 0.03)
Roll [mrad] - (< ±0.3)	(2.44 ± 0.02) x E-1

### Electric Parameters

Inductance [mH]	3.157
Voltage [V]	6.0106
Resistance [mΩ]	35.82
Main Coil Number of Turns	11.25



n	Normalized Normal Multipoles x=12.0 mm [T.m <sup>(2-n)</sup> ]	Normalized Skew Multipoles x=12.0 mm [T.m <sup>(2-n)</sup> ]
1 (dipole)	(-5.66 ± 0.08) x E-4	(2.96 ± 0.04) x E-4
2 (quadrupole)	(-1.893 ± 0.005) x E-3	(-2.143 ± 0.005) x E-3
3 (sextupole)	(1.000000 ± 0.000008)	(7.31 ± 0.06) x E-4
4	(1.47 ± 0.05) x E-4	(1.56 ± 0.03) x E-4
5	(3.23 ± 0.04) x E-4	(-1.08 ± 0.06) x E-4
6	(-2.3 ± 0.5) x E-5	(-1.3 ± 0.4) x E-5
7	(1.19 ± 0.05) x E-4	(1.0 ± 0.7) x E-5
8	(5 ± 5) x E-6	(9.2 ± 79.2) x E-7
9	(-1.914 ± 0.004) x E-3	(1.16 ± 0.05) x E-4
10	(6 ± 7) x E-6	(-1.2 ± 0.4) x E-5
11	(5 ± 6) x E-6	(-6 ± 6) x E-6
12	(-9.5 ± 62.3) x E-7	(-1.6 ± 0.8) x E-5
13	(-4.0 ± 0.5) x E-5	(1.7 ± 0.7) x E-5
14	(-2.2 ± 0.5) x E-5	(-1.7 ± 0.6) x E-5
15	(1.321 ± 0.005) x E-3	(10 ± 6) x E-6

