



S15-083

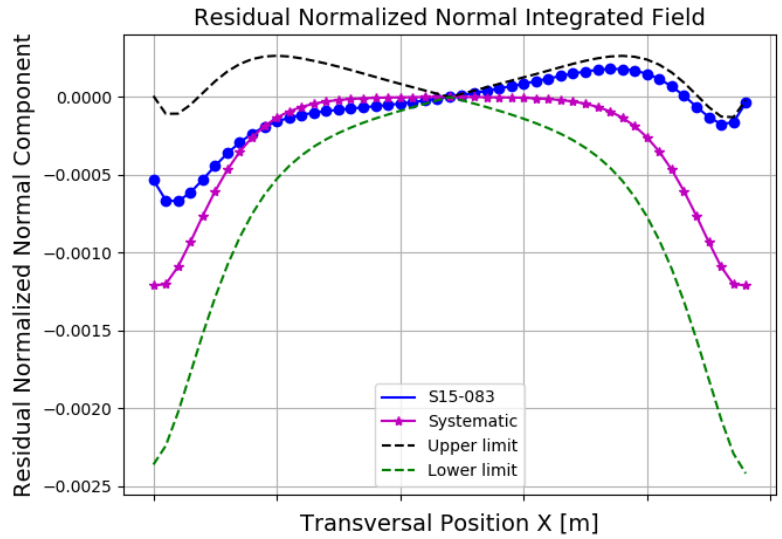
STORAGE RING MAGNET REPORT

Results

Date	18/07/2018
Hour	13:02:57
Temperature [°C]	23.529
Number of Measurements	9
Main Coil Current [A]	(167.7971 ± 0.0006)
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]	(-359.171 ± 0.004)
Magnet Center Offset X [μm] - (< ±40.0)	(14.32 ± 0.05)
Magnet Center Offset Y [μm] - (< ±40.0)	(15.56 ± 0.10)
Roll [mrad] - (< ±0.3)	(1.30 ± 0.07) 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 ⁽²⁻ⁿ⁾]	Normalized Skew Multipoles x=12.0 mm [T.m ⁽²⁻ⁿ⁾]
1 (dipole)	(-6.19 ± 0.08) x E-4	(1.7 ± 0.2) x E-4
2 (quadrupole)	(-2.386 ± 0.009) x E-3	(-2.59 ± 0.02) x E-3
3 (sextupole)	(1.00000 ± 0.00002)	(3.9 ± 0.2) x E-4
4	(2.9 ± 0.1) x E-4	(-2.8 ± 0.1) x E-4
5	(2.1 ± 0.1) x E-4	(-1.87 ± 0.10) x E-4
6	(2.9 ± 10.3) x E-6	(-2 ± 2) x E-5
7	(1.1 ± 0.2) x E-4	(2 ± 2) x E-5
8	(-1.8 ± 23.4) x E-6	(2 ± 1) x E-5
9	(-1.92 ± 0.02) x E-3	(4.3 ± 0.3) x E-4
10	(-3.7 ± 14.1) x E-6	(-8.1 ± 26.4) x E-6
11	(2 ± 1) x E-5	(-1 ± 2) x E-5
12	(-2 ± 2) x E-5	(2.1 ± 15.3) x E-6
13	(-2 ± 3) x E-5	(3 ± 2) x E-5
14	(-2 ± 2) x E-5	(-3 ± 2) x E-5
15	(1.32 ± 0.02) x E-3	(1 ± 3) x E-5

