



S15-164

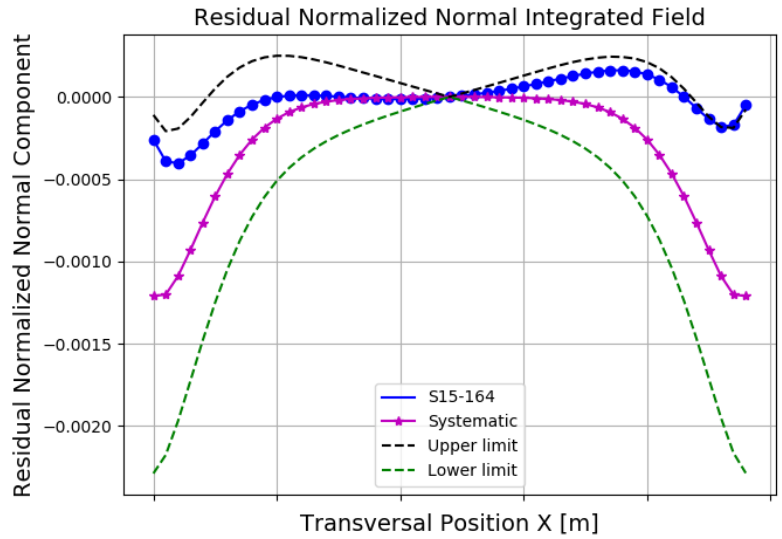
STORAGE RING MAGNET REPORT

Results

Date	08/08/2018
Hour	08:39:27
Temperature [°C]	23.649
Number of Measurements	9
Main Coil Current [A]	(167.800 ± 0.008)
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]	(-359.970 ± 0.003)
Magnet Center Offset X [μm] - (< ±40.0)	(18.95 ± 0.02)
Magnet Center Offset Y [μm] - (< ±40.0)	(27.38 ± 0.03)
Roll [mrad] - (< ±0.3)	(1.63 ± 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 ⁽²⁻ⁿ⁾]	Normalized Skew Multipoles x=12.0 mm [T.m ⁽²⁻ⁿ⁾]
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1 (dipole)	(5.2 ± 0.6) x E-5	(6.73 ± 0.06) x E-4
2 (quadrupole)	(-3.159 ± 0.004) x E-3	(-4.563 ± 0.005) x E-3
3 (sextupole)	(1.000000 ± 0.000010)	(4.89 ± 0.06) x E-4
4	(1.51 ± 0.04) x E-4	(6.9 ± 0.5) x E-5
5	(4.22 ± 0.03) x E-4	(-2.7 ± 0.5) x E-5
6	(-4.1 ± 0.4) x E-5	(-3.1 ± 0.6) x E-5
7	(1.26 ± 0.04) x E-4	(-2.7 ± 0.6) x E-5
8	(2.4 ± 0.6) x E-5	(3.5 ± 0.6) x E-5
9	(-2.023 ± 0.008) x E-3	(2.1 ± 0.4) x E-5
10	(-3 ± 6) x E-6	(4 ± 6) x E-6
11	(2 ± 5) x E-6	(-9 ± 4) x E-6
12	(9.6 ± 39.6) x E-7	(-2 ± 4) x E-6
13	(-1.2 ± 0.5) x E-5	(1.6 ± 0.8) x E-5
14	(-2.8 ± 0.5) x E-5	(-4.4 ± 0.4) x E-5
15	(1.329 ± 0.004) x E-3	(2.6 ± 0.3) x E-5

