



# S15-130

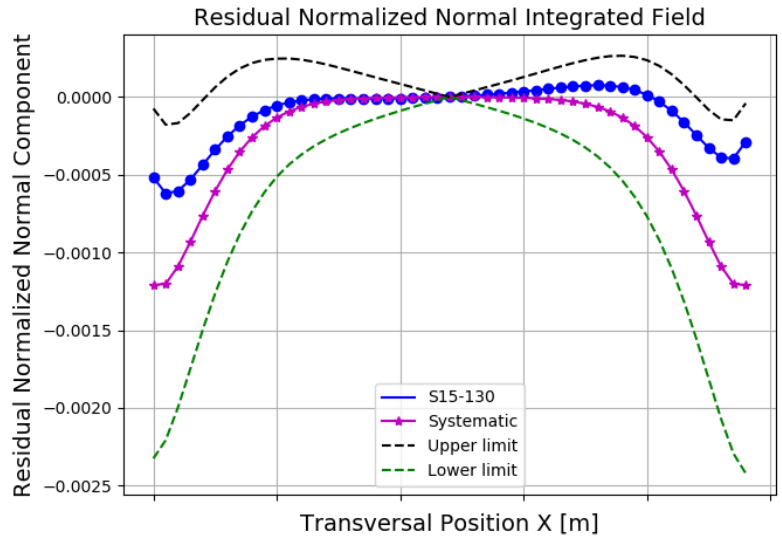
## STORAGE RING MAGNET REPORT

### Results

Date	14/08/2018
Hour	10:08:46
Temperature [°C]	23.439
Number of Measurements	9
Main Coil Current [A]	(167.799 ± 0.003)
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]	(-359.990 ± 0.002)
Magnet Center Offset X [μm] - (< ±40.0)	(10.31 ± 0.02)
Magnet Center Offset Y [μm] - (< ±40.0)	(17.64 ± 0.04)
Roll [mrad] - (< ±0.3)	(2.60 ± 0.04) 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> ]
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1 (dipole)	(-2.27 ± 0.05) x E-4	(3.57 ± 0.06) x E-4
2 (quadrupole)	(-1.719 ± 0.003) x E-3	(-2.941 ± 0.006) x E-3
3 (sextupole)	(1.000000 ± 0.000009)	(7.8 ± 0.1) x E-4
4	(9.0 ± 0.7) x E-5	(-2.44 ± 0.07) x E-4
5	(2.10 ± 0.07) x E-4	(-7.7 ± 0.7) x E-5
6	(2.6 ± 0.6) x E-5	(-2 ± 1) x E-5
7	(9.6 ± 0.9) x E-5	(6.0 ± 13.9) x E-6
8	(2 ± 1) x E-5	(4 ± 1) x E-5
9	(-2.025 ± 0.010) x E-3	(1.92 ± 0.09) x E-4
10	(1.3 ± 0.8) x E-5	(1.6 ± 0.9) x E-5
11	(-1.1 ± 10.5) x E-6	(1 ± 1) x E-5
12	(-1.5 ± 0.8) x E-5	(1 ± 1) x E-5
13	(-3.5 ± 0.7) x E-5	(5 ± 9) x E-6
14	(-1.5 ± 0.9) x E-5	(-2 ± 1) x E-5
15	(1.352 ± 0.009) x E-3	(-5.8 ± 0.7) x E-5

