



S15-191

STORAGE RING MAGNET REPORT

Results

Date 10/07/2018

Hour 12:22:39

Temperature [°C] 23.687

Number of Measurements 9

Main Coil Current [A] (167.80 ± 0.01)

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] (-359.791 ± 0.004)

Magnet Center Offset X [μm] - (< ±40.0) (12.17 ± 0.03)

Magnet Center Offset Y [μm] - (< ±40.0) (27.51 ± 0.08)

Roll [mrad] - (< ±0.3) (1.6 ± 0.3) × E-2

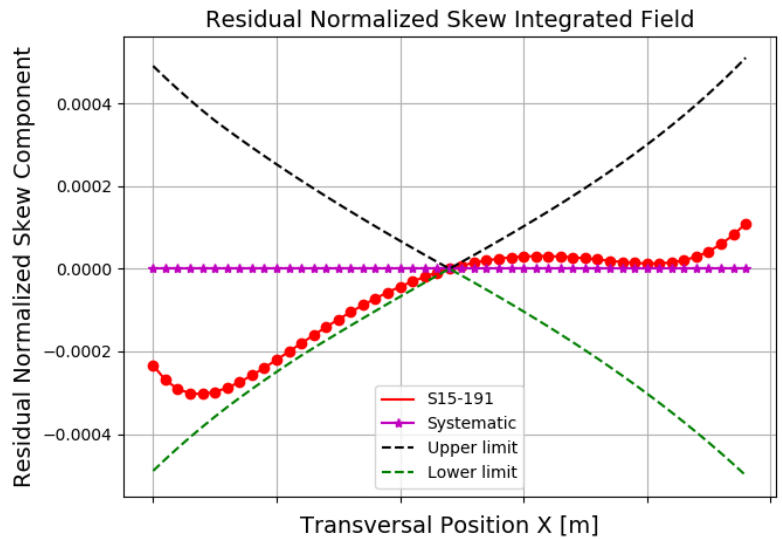
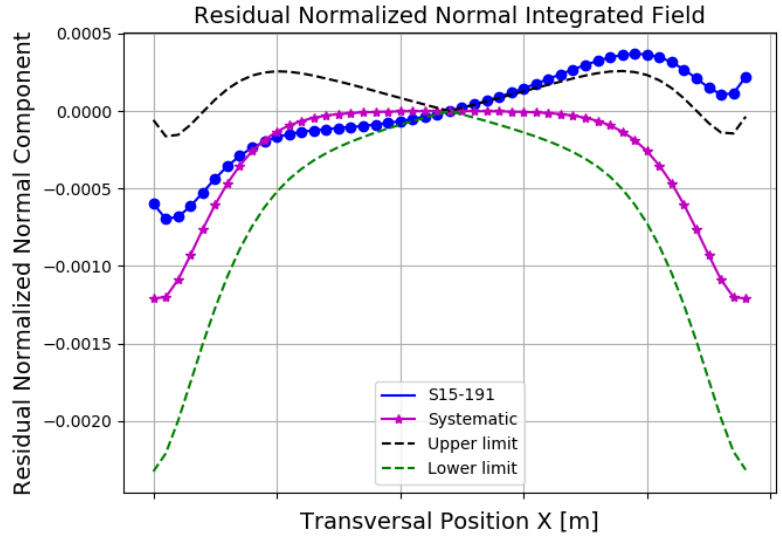
Electric Parameters

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)	(6.0 ± 0.5) × E-5	(1.022 ± 0.008) × E-3
2 (quadrupole)	(-2.029 ± 0.005) × E-3	(-4.59 ± 0.01) × E-3
3 (sextupole)	(1.00000 ± 0.00002)	(4.8 ± 0.9) × E-5
4	(4.72 ± 0.06) × E-4	(2.0 ± 0.2) × E-4
5	(4.86 ± 0.08) × E-4	(-3.42 ± 0.08) × E-4
6	(-6 ± 1) × E-5	(-9.4 ± 11.9) × E-6
7	(7.6 ± 0.9) × E-5	(5 ± 1) × E-5
8	(4 ± 2) × E-5	(3 ± 1) × E-5
9	(-1.98 ± 0.02) × E-3	(2.2 ± 0.1) × E-4
10	(2.2 ± 12.8) × E-6	(-2 ± 1) × E-5
11	(-5 ± 2) × E-5	(1.1 ± 0.9) × E-5
12	(-1 ± 1) × E-5	(-2.9 ± 12.4) × E-6
13	(7.5 ± 11.8) × E-6	(1 ± 2) × E-5
14	(-3 ± 1) × E-5	(-3 ± 2) × E-5
15	(1.27 ± 0.01) × E-3	(-1 ± 1) × E-5