

Results

Date 29/05/2018

Hour 14:44:52

Temperature [°C] 22.71

Number of Measurements 9

Main Coil Current [A] (157.3591 ± 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] (-9.07700 ± 0.00006)

Magnet Center Offset X [μm] - (< ±40.0) (8.15 ± 0.03)

Magnet Center Offset Y [μm] - (< ±40.0) (10.35 ± 0.03)

Roll [mrad] - (< ±0.3) (1.52 ± 0.01) × E-1

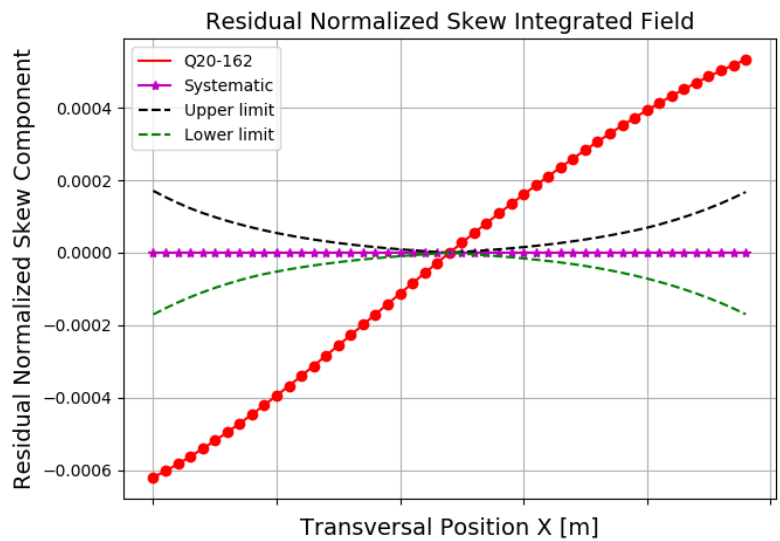
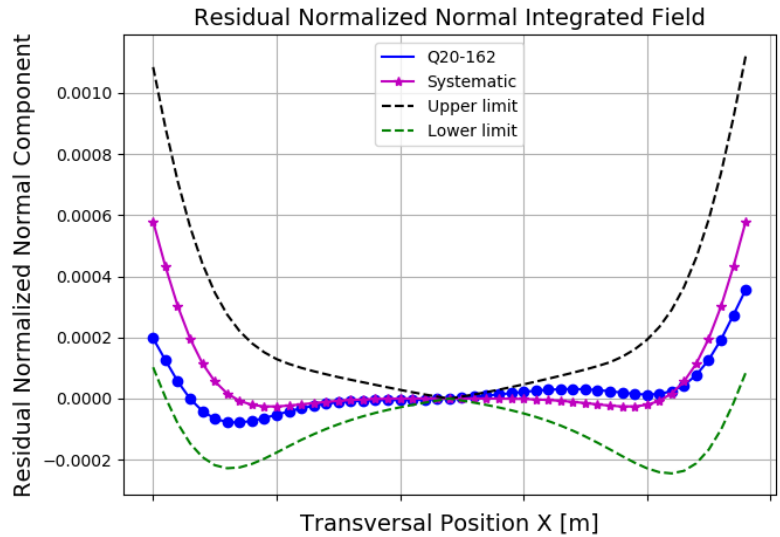
Electric Parameters

Inductance [mH] 8.9467

Voltage [V] 5.42

Resistance [mΩ] 34.4

Main Coil Number of Turns 23.25



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)	(-6.79 ± 0.02) × E-4	(-8.63 ± 0.02) × E-4
2 (quadrupole)	(1.000000 ± 0.000010)	(3.04 ± 0.03) × E-4
3 (sextupole)	(5.4 ± 0.3) × E-5	(6.64 ± 0.04) × E-4
4	(1.82 ± 0.02) × E-4	(-7.6 ± 0.2) × E-5
5	(2.2 ± 0.3) × E-5	(-6.7 ± 0.3) × E-5
6	(-8.62 ± 0.03) × E-4	(4.1 ± 0.4) × E-5
7	(9 ± 3) × E-6	(-3.3 ± 0.3) × E-5
8	(-4 ± 3) × E-6	(-3 ± 4) × E-6
9	(-10 ± 4) × E-6	(3 ± 4) × E-6
10	(1.667 ± 0.003) × E-3	(-1.1 ± 0.3) × E-5
11	(1 ± 3) × E-6	(1.1 ± 0.5) × E-5
12	(-4 ± 4) × E-6	(6 ± 3) × E-6
13	(6 ± 5) × E-6	(2 ± 4) × E-6
14	(-7.03 ± 0.05) × E-4	(-5.8 ± 51.8) × E-7
15	(-2 ± 4) × E-6	(-6 ± 3) × E-6