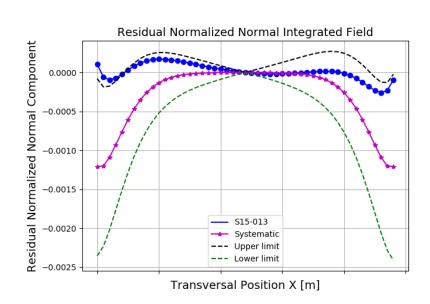


S15-013

STORAGE RING MAGNET REPORT

Results	
Date	28/08/2018
Hour	15:16:58
Temperature [°C]	23.338
Number of Measurements	9
Main Coil Current [A]	(167.7981 ± 0.0008
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]	(-359.544 ± 0.002)
Magnet Center Offset X [μm] - (< ±40.0)	(15.95 ± 0.01)
Magnet Center Offset Y [μm] - (< ±40.0)	(32.80 ± 0.07)
Roll [mrad] - (< ±0.3)	(6.6 ± 0.4) x E-2
Electric Parameters	
Indutance [mH]	3.157
Voltage [V]	6.0106
Resistance [m Ω]	35.82
Main Coil Number of Turns	11.25



	Normalized	Normalized
	Normal	Skew
n	Multipoles	Multipoles
	x=12.0 mm	x=12.0 mm
	[T.m ⁽²⁻ⁿ⁾]	[T.m ⁽²⁻ⁿ⁾]
1 (dipole)	(-1.112 ± 0.002) x E-3	(-9 ± 1) x E-5
2 (quadrupole)	(-2.658 ± 0.002) x E-3	(-5.47 ± 0.01) x E-3
3 (sextupole)	(1.000000 ± 0.000006)	(2.0 ± 0.1) x E-4
4	(-1.87 ± 0.04) x E-4	(1.8 ± 0.1) x E-4
5	(4.17 ± 0.04) x E-4	(-3.36 ± 0.10) x E-4
6	(1.64 ± 0.06) x E-4	(-9.8 ± 1.0) x E-5
7	(1.75 ± 0.05) x E-4	(6.4 ± 1.0) x E-5
8	(-7 ± 7) x E-6	(4.4 ± 0.6) x E-5
9	(-1.823 ± 0.006) x E-3	(2.43 ± 0.08) x E-4
10	(-3.6 ± 0.5) x E-5	(-4.9 ± 12.6) x E-6
11	(-2 ± 1) x E-5	(-4.2 ± 1.0) x E-5
12	(-1.1 ± 14.2) x E-6	(3 ± 1) x E-5
13	(-3.0 ± 0.6) x E-5	(-9 ± 5) x E-6
14	(-3.1 ± 1.0) x E-5	(-4.8 ± 1.0) x E-5
15	(1.284 ± 0.008) x E-3	(-9 ± 1) x E-5

