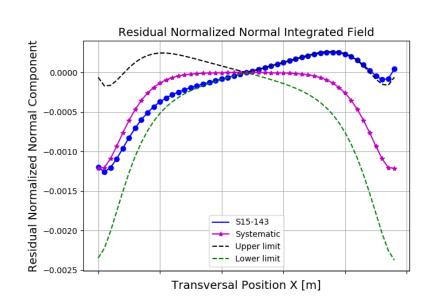


S15-143

STORAGE RING MAGNET REPORT

Results	
Results	
Date	03/07/2018
Hour	11:34:10
Temperature [°C]	23.441
Number of Measurements	9
Main Coil Current [A]	(167.7990 ± 0.0010
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]	(-360.364 ± 0.003)
Magnet Center Offset X [μm] - (< ±40.0)	(8.66 ± 0.03)
Magnet Center Offset Y [μm] - (< ±40.0)	(20.07 ± 0.06)
Roll [mrad] - (< ±0.3)	(1.9 ± 0.3) x E-2
Electric Parameters	1
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)	(-1.025 ± 0.004) x E-3	(-5.44 ± 0.10) x E-4
2 (quadrupole)	(-1.443 ± 0.005) x E-3	(-3.345 ± 0.010) x E-3
3 (sextupole)	(1.00000 ± 0.00001)	(5.8 ± 0.8) x E-5
4	(4.90 ± 0.05) x E-4	(-8.8 ± 0.9) x E-5
5	(3.8 ± 0.4) x E-5	(-1.27 ± 0.05) x E-4
6	(1.38 ± 0.03) x E-4	(1 ± 9) x E-6
7	(5.9 ± 0.6) x E-5	(6.2 ± 0.7) x E-5
8	(1.2 ± 0.8) x E-5	(3.2 ± 0.5) x E-5
9	(-1.999 ± 0.006) x E-3	(1.14 ± 0.06) x E-4
10	(8 ± 8) x E-6	(-4.3 ± 10.9) x E-6
11	(9 ± 8) x E-6	(-4 ± 7) x E-6
12	(-1 ± 5) x E-6	(-4.5 ± 11.3) x E-6
13	(-1.1 ± 0.9) x E-5	(-5 ± 8) x E-6
14	(-2.6 ± 0.9) x E-5	(-3 ± 1) x E-5
15	(1.328 ± 0.007) x E-3	(-5.4 ± 10.4) x E-6

