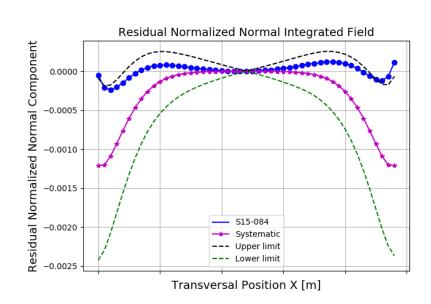


S15-084

STORAGE RING MAGNET REPORT

Results	
Date	18/07/2018
Hour	15:27:19
Temperature [°C]	23.49
Number of Measurements	9
Main Coil Current [A]	(167.7969 ± 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]	(-359.315 ± 0.005)
Magnet Center Offset X [μm] - (< ±40.0)	(21.34 ± 0.05)
Magnet Center Offset Y [μm] - (< ±40.0)	(23.4 ± 0.1)
Roll [mrad] - (< ±0.3)	(7.9 ± 0.7) 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)	(-6.04 ± 0.10) x E-4	(-2.9 ± 0.2) x E-4
2 (quadrupole)	(-3.557 ± 0.009) x E-3	(-3.89 ± 0.02) x E-3
3 (sextupole)	(1.00000 ± 0.00002)	(2.4 ± 0.2) x E-4
4	(4 ± 2) x E-5	(1.1 ± 0.3) x E-4
5	(4.6 ± 0.2) x E-4	(-5.3 ± 0.3) x E-4
6	(-1 ± 2) x E-5	(-1 ± 2) x E-5
7	(1.3 ± 0.2) x E-4	(1.4 ± 0.3) x E-4
8	(1 ± 2) x E-5	(2 ± 2) x E-5
9	(-1.88 ± 0.02) x E-3	(4.1 ± 0.2) x E-4
10	(3 ± 2) x E-5	(-1.3 ± 14.3) x E-6
11	(-5 ± 3) x E-5	(1 ± 3) x E-5
12	(3 ± 1) x E-5	(1 ± 2) x E-5
13	(-8.2 ± 19.8) x E-6	(-8.6 ± 12.9) x E-6
14	(-2 ± 2) x E-5	(-3 ± 2) x E-5
15	(1.38 ± 0.02) x E-3	(-1 ± 2) x E-5

