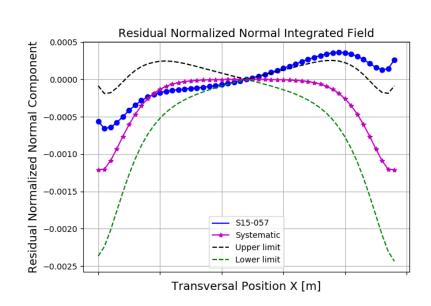


S15-057

STORAGE RING MAGNET REPORT

Results		
Date	16/07/2018	
Hour	10:51:51	
Temperature [°C]	23.516	
Number of Measurements	9	
Main Coil Current [A]	(167.7982 ± 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]	(-359.598 ± 0.004)	
Magnet Center Offset X [μm] - (< ±40.0)	(13.89 ± 0.09)	
Magnet Center Offset Y [μm] - (< ±40.0)	(23.6 ± 0.1)	
Roll [mrad] - (< ±0.3)	(-8.5 ± 1.0) 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)	(-3.8 ± 0.1) x E-4	(-2.1 ± 0.2) x E-4
2 (quadrupole)	(-2.31 ± 0.01) x E-3	(-3.94 ± 0.02) x E-3
3 (sextupole)	(1.00000 ± 0.00002)	(-2.6 ± 0.3) x E-4
4	(5.0 ± 0.2) x E-4	(1.2 ± 0.3) x E-4
5	(4.3 ± 0.3) x E-4	(1.1 ± 0.2) x E-4
6	(-1.3 ± 0.3) x E-4	(2 ± 3) x E-5
7	(1.6 ± 0.2) x E-4	(-4 ± 2) x E-5
8	(2 ± 3) x E-5	(3.7 ± 19.0) x E-6
9	(-1.94 ± 0.02) x E-3	(6.6 ± 0.4) x E-4
10	(4 ± 3) x E-5	(-3.9 ± 18.0) x E-6
11	(-6.206 ± 2519.455) x E-8	(-7.1 ± 29.4) x E-6
12	(5.9 ± 46.1) x E-6	(-2 ± 3) x E-5
13	(-1 ± 3) x E-5	(1 ± 2) x E-5
14	(-2 ± 3) x E-5	(-8.5 ± 17.7) x E-6
15	(1.22 ± 0.02) x E-3	(-2 ± 3) x E-5

