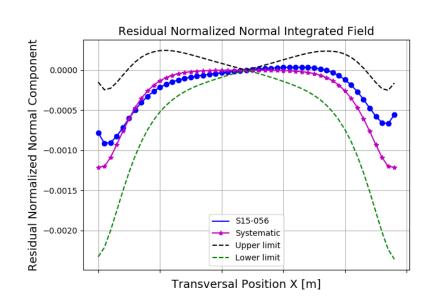


S15-056

STORAGE RING MAGNET REPORT

Results		
Date	16/07/2018	
Hour	15:33:44	
Temperature [°C]	23.437	
Number of Measurements	9	
Main Coil Current [A]	(167.798 ± 0.001	
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]	(-359.658 ± 0.005	
Magnet Center Offset X [μm] - (< ±40.0)	(24.86 ± 0.10)	
Magnet Center Offset Y [μm] - (< ±40.0)	(26.64 ± 0.07)	
Roll [mrad] - (< ±0.3)	(-8.7 ± 0.6) 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	



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)	(-1.735 ± 0.007) x E-3	(2.0 ± 0.1) x E-4
2 (quadrupole)	(-4.14 ± 0.02) x E-3	(-4.44 ± 0.01) x E-3
3 (sextupole)	(1.00000 ± 0.00002)	(-2.6 ± 0.2) x E-4
4	(1.7 ± 0.2) x E-4	(4.7 ± 0.2) x E-4
5	(-1.5 ± 0.2) x E-4	(7 ± 2) x E-5
6	(-5 ± 2) x E-5	(-3 ± 2) x E-5
7	(6 ± 1) x E-5	(-5 ± 2) x E-5
8	(3 ± 2) x E-5	(-2 ± 2) x E-5
9	(-2.05 ± 0.03) x E-3	(5.1 ± 0.3) x E-4
10	(1 ± 2) x E-5	(-1 ± 3) x E-5
11	(1 ± 1) x E-5	(2.9 ± 32.8) x E-6
12	(4.4 ± 29.2) x E-6	(1 ± 2) x E-5
13	(-1 ± 2) x E-5	(2 ± 2) x E-5
14	(-5 ± 2) x E-5	(9.1 ± 28.2) x E-6
15	(1.46 ± 0.01) x E-3	(-1.0 ± 0.3) x E-4

