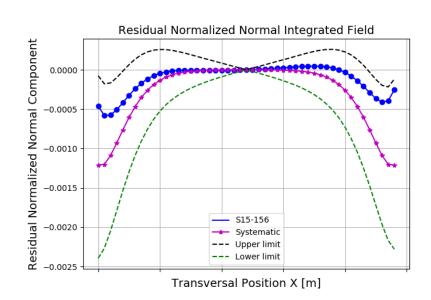


S15-156

STORAGE RING MAGNET REPORT

Results		
Date	02/08/2018	
Hour	10:34:33	
Temperature [°C]	23.157	
Number of Measurements	9	
Main Coil Current [A]	(167.799 ± 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]	(-359.645 ± 0.006	
Magnet Center Offset X [μm] - (< ±40.0)	(13.2 ± 0.1)	
Magnet Center Offset Y [μm] - (< ±40.0)	(27.0 ± 0.1)	
Roll [mrad] - (< ±0.3)	(7.5 ± 0.8) x E-2	
Electric Parameters		
Indutance [mH]	3.157	
Voltage [V]	6.0106	
Resistance [mΩ]	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)	(-4.44 ± 0.07) x E-4	(1.7 ± 0.2) x E-4
2 (quadrupole)	(-2.20 ± 0.02) x E-3	(-4.49 ± 0.02) x E-3
3 (sextupole)	(1.00000 ± 0.00002)	(2.3 ± 0.2) x E-4
4	(6 ± 2) x E-5	(5.1 ± 0.3) x E-4
5	(1.6 ± 0.2) x E-4	(-6 ± 2) x E-5
6	(-3 ± 2) x E-5	(5 ± 3) x E-5
7	(7 ± 3) x E-5	(-3 ± 3) x E-5
8	(2 ± 4) x E-5	(-1 ± 3) x E-5
9	(-1.93 ± 0.04) x E-3	(8.2 ± 0.4) x E-4
10	(7 ± 3) x E-5	(-3 ± 3) x E-5
11	(-3 ± 3) x E-5	(2 ± 3) x E-5
12	(4.2 ± 26.9) x E-6	(-6 ± 3) x E-5
13	(-3.83 ± 298.46) x E-7	(-7.71 ± 220.68) x E-7
14	(-3 ± 3) x E-5	(-5 ± 2) x E-5
15	(1.37 ± 0.03) x E-3	(-6 ± 3) x E-5

