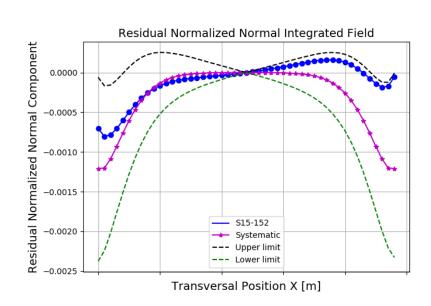


S15-152

STORAGE RING MAGNET REPORT

Results		
Date	07/07/2018	
Hour	12:42:39	
Temperature [°C]	23.703	
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]	(-359.274 ± 0.003	
Magnet Center Offset X [μm] - (< ±40.0)	(12.59 ± 0.06)	
Magnet Center Offset Y [μm] - (< ±40.0)	(23.91 ± 0.06)	
Roll [mrad] - (< ±0.3)	(-5.1 ± 0.4) 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)	(-7.76 ± 0.04) x E-4	(-2.08 ± 0.09) x E-4
2 (quadrupole)	(-2.098 ± 0.010) x E-3	(-3.99 ± 0.01) x E-3
3 (sextupole)	(1.00000 ± 0.00001)	(-1.5 ± 0.1) x E-4
4	(2.42 ± 0.10) x E-4	(-9 ± 1) x E-5
5	(1.8 ± 0.1) x E-4	(5 ± 2) x E-5
6	(9 ± 1) x E-5	(-1 ± 2) x E-5
7	(10 ± 1) x E-5	(-2 ± 2) x E-5
8	(5 ± 1) x E-5	(5 ± 1) x E-5
9	(-1.96 ± 0.01) x E-3	(2.9 ± 0.1) x E-4
10	(-2.1 ± 12.9) x E-6	(3.9 ± 0.7) x E-5
11	(5.6 ± 17.4) x E-6	(-7 ± 10) x E-6
12	(-1 ± 1) x E-5	(-7.2 ± 17.7) x E-6
13	(-8.9 ± 15.4) x E-6	(-1 ± 1) x E-5
14	(-4 ± 1) x E-5	(-5 ± 2) x E-5
15	(1.31 ± 0.01) x E-3	(-2 ± 1) x E-5

