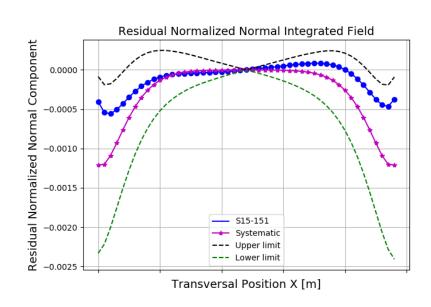


S15-151

STORAGE RING MAGNET REPORT

Results		
Date	07/07/2018	
Hour	14:20:00	
Temperature [°C]	23.651	
Number of Measurements	9	
Main Coil Current [A]	(167.7985 ± 0.0009	
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]	(-359.072 ± 0.003)	
Magnet Center Offset X [μm] - (< ±40.0)	(11.30 ± 0.02)	
Magnet Center Offset Y [μm] - (< ±40.0)	(26.98 ± 0.04)	
Roll [mrad] - (< ±0.3)	(-6.1 ± 0.3) x E-2	
Electric Parameters	I	
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)	(-1.009 ± 0.005) x E-3	(5.82 ± 0.06) x E-4
2 (quadrupole)	(-1.884 ± 0.004) x E-3	(-4.497 ± 0.006) x E-3
3 (sextupole)	(1.00000 ± 0.00001)	(-1.84 ± 0.08) x E-4
4	(1.8 ± 0.1) x E-4	(2.8 ± 0.1) x E-4
5	(1.47 ± 0.07) x E-4	(-1.08 ± 0.09) x E-4
6	(-1.41 ± 0.10) x E-4	(4.4 ± 11.8) x E-6
7	(8.3 ± 1.0) x E-5	(-1.1 ± 0.8) x E-5
8	(4 ± 1) x E-5	(5 ± 1) x E-5
9	(-1.930 ± 0.010) x E-3	(3.1 ± 0.1) x E-4
10	(-7.3 ± 10.0) x E-6	(-2.0 ± 0.9) x E-5
11	(9 ± 9) x E-6	(-7.7 ± 14.6) x E-6
12	(9.7 ± 17.0) x E-6	(3.8 ± 14.1) x E-6
13	(-1 ± 1) x E-5	(6.88 ± 145.48) x E-7
14	(-6 ± 2) x E-5	(-6 ± 2) x E-5
15	(1.314 ± 0.009) x E-3	(-8 ± 2) x E-5

