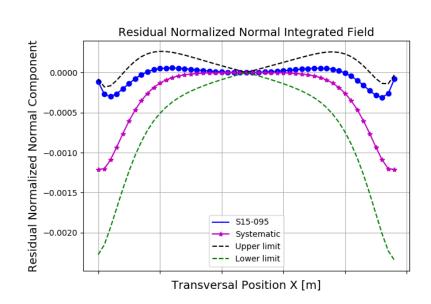


S15-095

STORAGE RING MAGNET REPORT

Results		
Date	31/07/2018	
Hour	15:18:42	
Temperature [°C]	23.249	
Number of Measurements	9	
Main Coil Current [A]	(167.800 ± 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]	(-360.117 ± 0.004	
Magnet Center Offset X [μm] - (< ±40.0)	(8.55 ± 0.06)	
Magnet Center Offset Y [μm] - (< ±40.0)	(24.70 ± 0.07)	
Roll [mrad] - (< ±0.3)	(4.8 ± 0.7) 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)	(8.5 ± 0.8) x E-5	(-2.8 ± 0.1) x E-4
2 (quadrupole)	(-1.43 ± 0.01) x E-3	(-4.12 ± 0.01) x E-3
3 (sextupole)	(1.00000 ± 0.00001)	(1.4 ± 0.2) x E-4
4	(1.1 ± 0.6) x E-5	(1.5 ± 0.1) x E-4
5	(3.2 ± 0.1) x E-4	(2.7 ± 0.2) x E-4
6	(-5 ± 2) x E-5	(-1 ± 2) x E-5
7	(7 ± 1) x E-5	(-9 ± 2) x E-5
8	(-2 ± 2) x E-5	(5 ± 3) x E-5
9	(-1.86 ± 0.02) x E-3	(5.9 ± 0.2) x E-4
10	(5 ± 1) x E-5	(-3.1 ± 27.8) x E-6
11	(-1 ± 2) x E-5	(-4 ± 2) x E-5
12	(2.8 ± 15.9) x E-6	(6.4 ± 15.4) x E-6
13	(-2 ± 3) x E-5	(3 ± 2) x E-5
14	(3 ± 1) x E-5	(-5 ± 2) x E-5
15	(1.405 ± 0.010) x E-3	(-5 ± 2) x E-5

