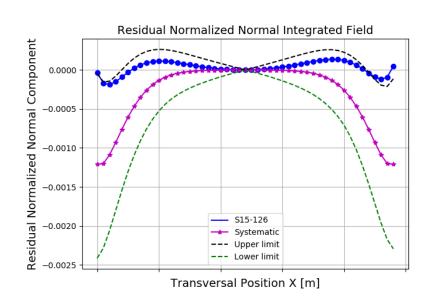


S15-126

STORAGE RING MAGNET REPORT

Results	
Date	06/07/2018
Hour	10:23:06
Temperature [°C]	23.676
Number of Measurements	9
Main Coil Current [A]	(167.7978 ± 0.0006
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]	(-359.862 ± 0.002)
Magnet Center Offset X [μm] - (< ±40.0)	(7.76 ± 0.02)
Magnet Center Offset Y [μm] - (< ±40.0)	(28.50 ± 0.05)
Roll [mrad] - (< ±0.3)	(-3.4 ± 0.3) x E-2
Electric Parameters	ı
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)	(1.89 ± 0.09) x E-4	(-4.58 ± 0.08) x E-4
2 (quadrupole)	(-1.293 ± 0.004) x E-3	(-4.751 ± 0.008) x E-3
3 (sextupole)	(1.000000 ± 0.000010)	(-1.01 ± 0.09) x E-4
4	(1.6 ± 0.8) x E-5	(4.64 ± 0.09) x E-4
5	(5.4 ± 0.1) x E-4	(1.9 ± 0.1) x E-4
6	(4 ± 7) x E-6	(-9.98 ± 169.04) x E-7
7	(1.52 ± 0.08) x E-4	(-6 ± 1) x E-5
8	(2.1 ± 0.7) x E-5	(-4.9 ± 10.8) x E-6
9	(-1.941 ± 0.007) x E-3	(2.6 ± 0.2) x E-4
10	(8.7 ± 10.3) x E-6	(1.33 ± 104.97) x E-7
11	(-2 ± 1) x E-5	(3 ± 8) x E-6
12	(4.2 ± 11.3) x E-6	(-7.7 ± 11.1) x E-6
13	(-1 ± 1) x E-5	(1.6 ± 1.0) x E-5
14	(-1 ± 1) x E-5	(-3.2 ± 0.9) x E-5
15	(1.289 ± 0.008) x E-3	(-6 ± 1) x E-5

