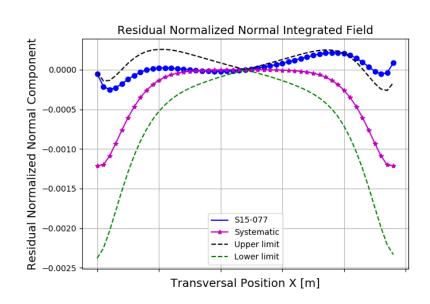


S15-077

STORAGE RING MAGNET REPORT

Results	
Date	12/07/2018
Hour	08:24:32
Temperature [°C]	22.905
Number of Measurements	9
Main Coil Current [A]	(167.798 ± 0.002)
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]	(-359.240 ± 0.002
Magnet Center Offset X [μm] - (< ±40.0)	(22.15 ± 0.03)
Magnet Center Offset Y [μm] - (< ±40.0)	(32.08 ± 0.04)
Roll [mrad] - (< ±0.3)	(-9.4 ± 0.3) 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)	(-2.2 ± 0.3) x E-5	(1.11 ± 0.05) x E-4
2 (quadrupole)	(-3.692 ± 0.004) x E-3	(-5.347 ± 0.007) x E-3
3 (sextupole)	(1.000000 ± 0.000009)	(-2.81 ± 0.10) x E-4
4	(2.1 ± 0.1) x E-4	(-9.6 ± 0.8) x E-5
5	(5.15 ± 0.08) x E-4	(3.8 ± 0.9) x E-5
6	(-1.3 ± 0.1) x E-4	(1 ± 1) x E-5
7	(1.60 ± 0.08) x E-4	(-5 ± 1) x E-5
8	(4.7 ± 0.9) x E-5	(3 ± 1) x E-5
9	(-1.921 ± 0.007) x E-3	(1.83 ± 0.07) x E-4
10	(-1.9 ± 10.4) x E-6	(4.8 ± 93.1) x E-7
11	(-2.1 ± 0.7) x E-5	(-1 ± 1) x E-5
12	(-3.1 ± 12.9) x E-6	(-1.1 ± 0.6) x E-5
13	(-1.9 ± 0.9) x E-5	(7 ± 7) x E-6
14	(-4.5 ± 0.6) x E-5	(-6.6 ± 0.8) x E-5
15	(1.304 ± 0.006) x E-3	(2.0 ± 0.9) x E-5

