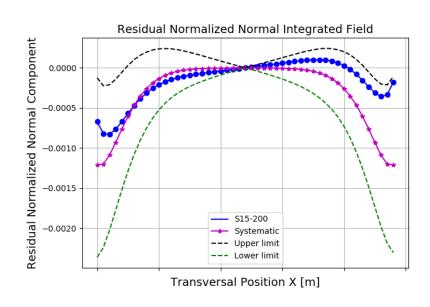


S15-200

STORAGE RING MAGNET REPORT

Results	
Date	01/08/2018
Hour	12:28:36
Temperature [°C]	23.586
Number of Measurements	9
Main Coil Current [A]	(167.7990 ± 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]	(-359.680 ± 0.006)
Magnet Center Offset X [μm] - (< ±40.0)	(12.0 ± 0.1)
Magnet Center Offset Y [μm] - (< ±40.0)	(24.1 ± 0.2)
Roll [mrad] - (< ±0.3)	(-1 ± 2) 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)	(-9.1 ± 0.1) x E-4	(-2.0 ± 0.3) x E-4
2 (quadrupole)	(-1.99 ± 0.02) x E-3	(-4.01 ± 0.03) x E-3
3 (sextupole)	(1.00000 ± 0.00003)	(-4 ± 5) x E-5
4	(2.4 ± 0.4) x E-4	(8 ± 2) x E-5
5	(2 ± 3) x E-5	(1.0 ± 0.3) x E-4
6	(4 ± 4) x E-5	(-7 ± 4) x E-5
7	(4 ± 2) x E-5	(3 ± 4) x E-5
8	(5 ± 4) x E-5	(-7 ± 3) x E-5
9	(-1.95 ± 0.03) x E-3	(8.3 ± 0.3) x E-4
10	(-6 ± 3) x E-5	(-4 ± 3) x E-5
11	(3 ± 2) x E-5	(-6 ± 3) x E-5
12	(-3 ± 4) x E-5	(4 ± 4) x E-5
13	(-2 ± 2) x E-5	(-3.5 ± 30.7) x E-6
14	(2 ± 2) x E-5	(-4 ± 3) x E-5
15	(1.46 ± 0.04) x E-3	(-7.7 ± 33.2) x E-6

