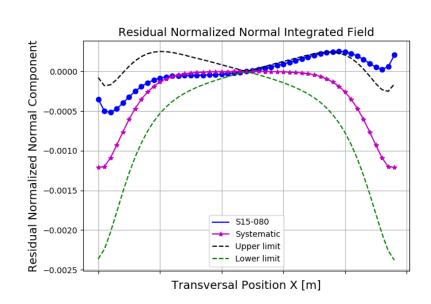


## S15-080

## STORAGE RING MAGNET REPORT

Results		
Date	12/07/2018	
Hour	09:07:05	
Temperature [°C]	22.888	
Number of Measurements	9	
Main Coil Current [A]	(167.7987 ± 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]	(-359.064 ± 0.002)	
Magnet Center Offset X [μm] - (< ±40.0)	(28.85 ± 0.03)	
Magnet Center Offset Y [μm] - (< ±40.0)	(32.60 ± 0.05)	
Roll [mrad] - (< ±0.3)	(-5.7 ± 0.3) x E-2	
Electric Parameters	1	
Indutance [mH]	3.157	
Voltage [V]	6.0106	
Resistance [m $\Omega$ ]	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 <sup>(2-n)</sup> ]	[T.m <sup>(2-n)</sup> ]
1 (dipole)	(-8.45 ± 0.04) x E-4	(-5.53 ± 0.08) x E-4
2 (quadrupole)	(-4.808 ± 0.006) x E-3	(-5.433 ± 0.008) x E-3
3 (sextupole)	(1.000000 ± 0.000007)	(-1.71 ± 0.09) x E-4
4	(2.76 ± 0.08) x E-4	(3.0 ± 0.1) x E-4
5	(4.13 ± 0.08) x E-4	(1.8 ± 0.1) x E-4
6	(1 ± 1) x E-5	(-4.4 ± 0.9) x E-5
7	(1.6 ± 0.1) x E-4	(-4.7 ± 0.9) x E-5
8	(5.7 ± 0.8) x E-5	(1.0 ± 0.8) x E-5
9	(-1.96 ± 0.01) x E-3	(2.98 ± 0.08) x E-4
10	(-1.2 ± 0.8) x E-5	(7.58 ± 108.16) x E-7
11	(-3.8 ± 12.3) x E-6	(-2 ± 10) x E-6
12	(-8 ± 7) x E-6	(6.2 ± 11.0) x E-6
13	(-4 ± 1) x E-5	(-4.1 ± 14.6) x E-6
14	(-5 ± 1) x E-5	(-5 ± 2) x E-5
15	(1.362 ± 0.007) x E-3	(1 ± 2) x E-5

