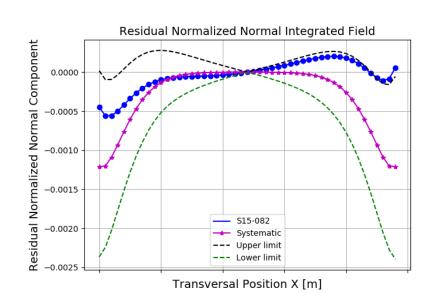


## S15-082

## STORAGE RING MAGNET REPORT

Results		
Date	12/07/2018	
Hour	10:23:26	
Temperature [°C]	22.881	
Number of Measurements	9	
Main Coil Current [A]	(167.7983 ± 0.0007	
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]	(-359.286 ± 0.003)	
Magnet Center Offset X [μm] - (< ±40.0)	(7.00 ± 0.03)	
Magnet Center Offset Y [μm] - (< ±40.0)	(14.96 ± 0.05)	
Roll [mrad] - (< ±0.3)	(-6.8 ± 0.3) x E-2	
Electric Parameters	ı	
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)	(-3.28 ± 0.07) x E-4	(1.28 ± 0.07) x E-4
2 (quadrupole)	(-1.167 ± 0.005) x E-3	(-2.493 ± 0.008) x E-3
3 (sextupole)	(1.00000 ± 0.00001)	(-2.05 ± 0.09) x E-4
4	(2.70 ± 0.08) x E-4	(6 ± 1) x E-5
5	(3.29 ± 0.08) x E-4	(-8 ± 7) x E-6
6	(-2.7 ± 0.9) x E-5	(2 ± 1) x E-5
7	(1.28 ± 0.08) x E-4	(-1 ± 1) x E-5
8	(-3.3 ± 1.0) x E-5	(1.5 ± 0.9) x E-5
9	(-1.93 ± 0.02) x E-3	(3.37 ± 0.08) x E-4
10	(1 ± 1) x E-5	(1 ± 8) x E-6
11	(-4.7 ± 12.2) x E-6	(3 ± 8) x E-6
12	(2 ± 8) x E-6	(-5 ± 1) x E-5
13	(-5 ± 1) x E-5	(6 ± 8) x E-6
14	(3 ± 1) x E-5	(-4.5 ± 1.0) x E-5
15	(1.33 ± 0.01) x E-3	(3 ± 2) x E-5

