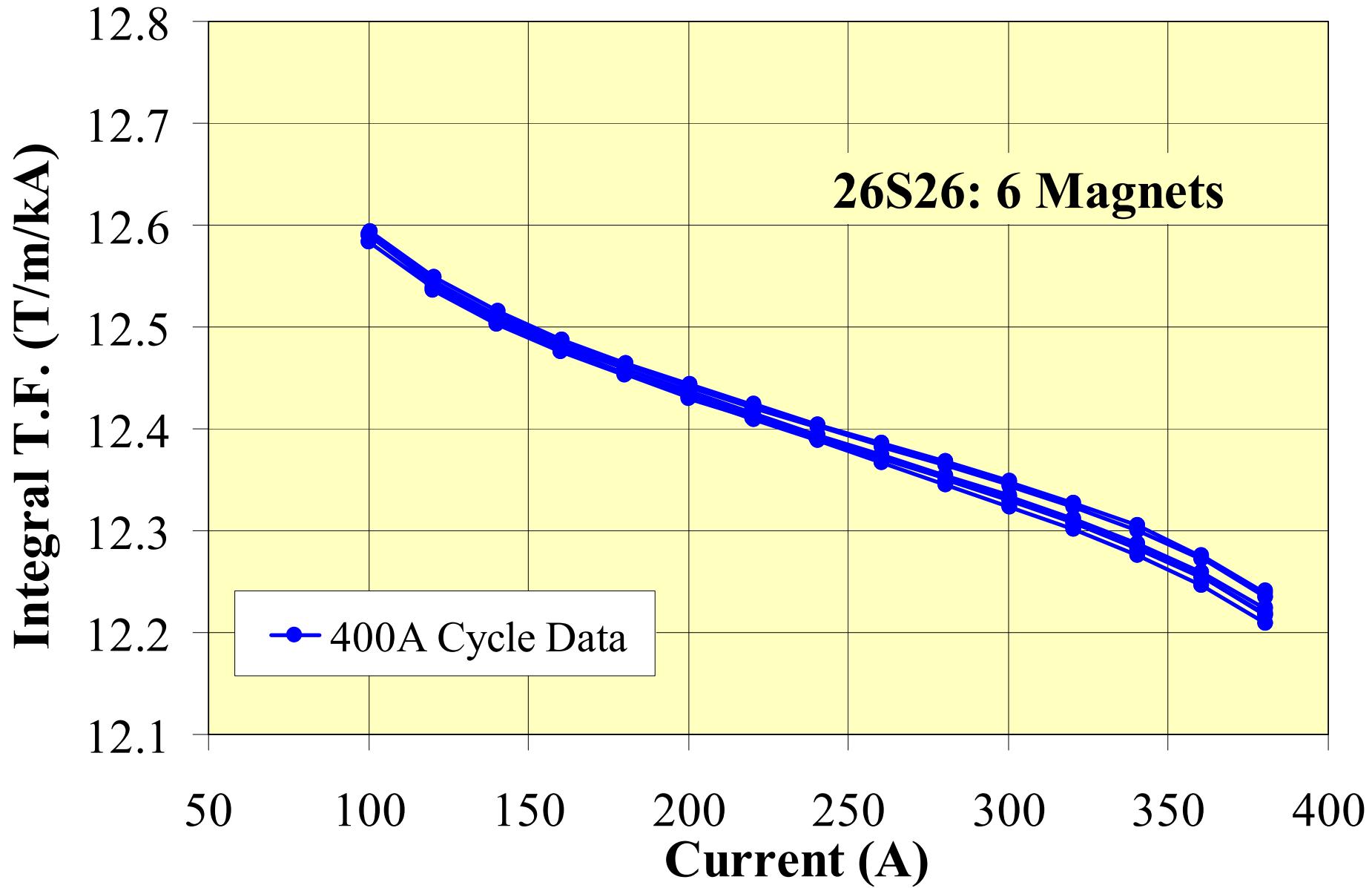
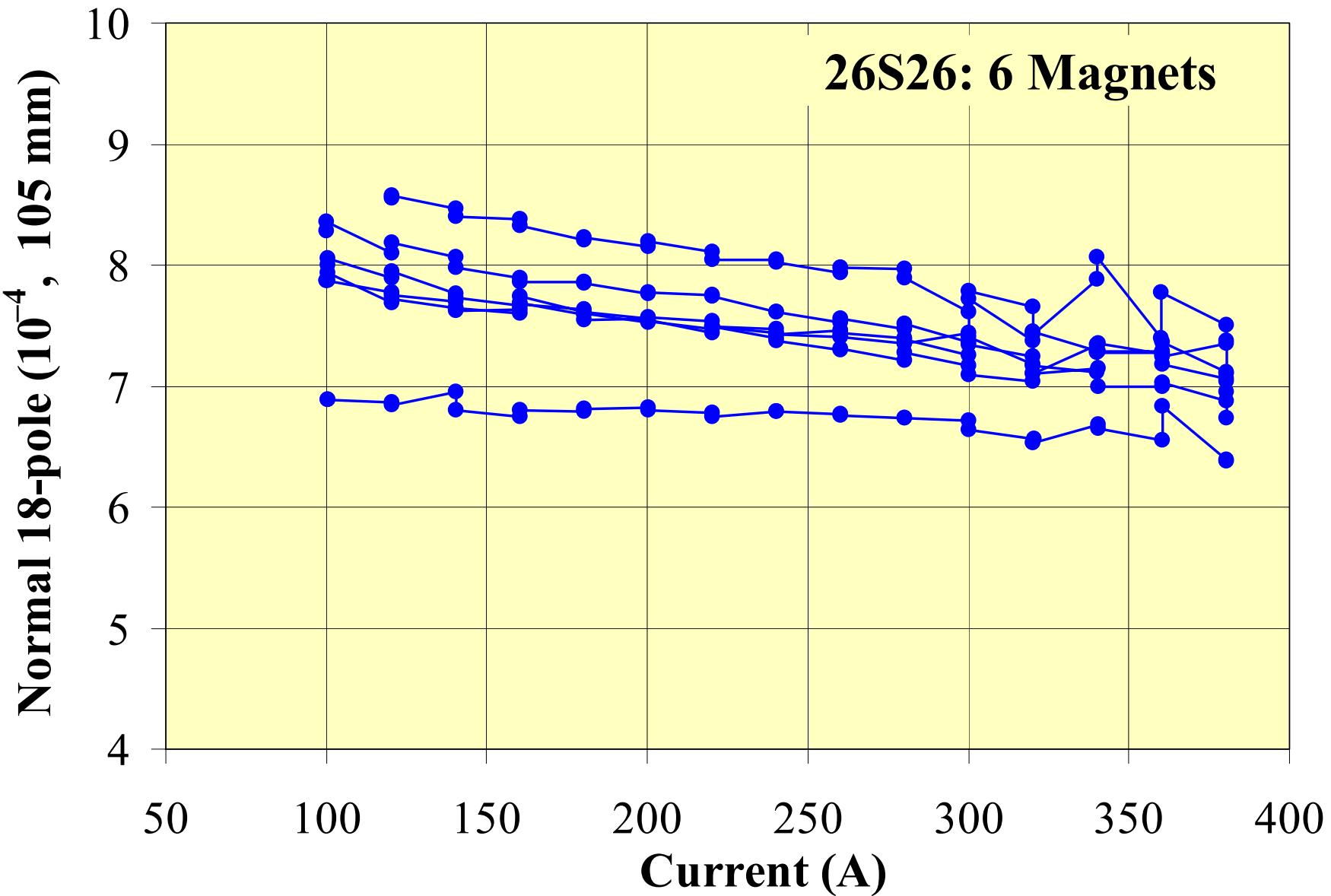
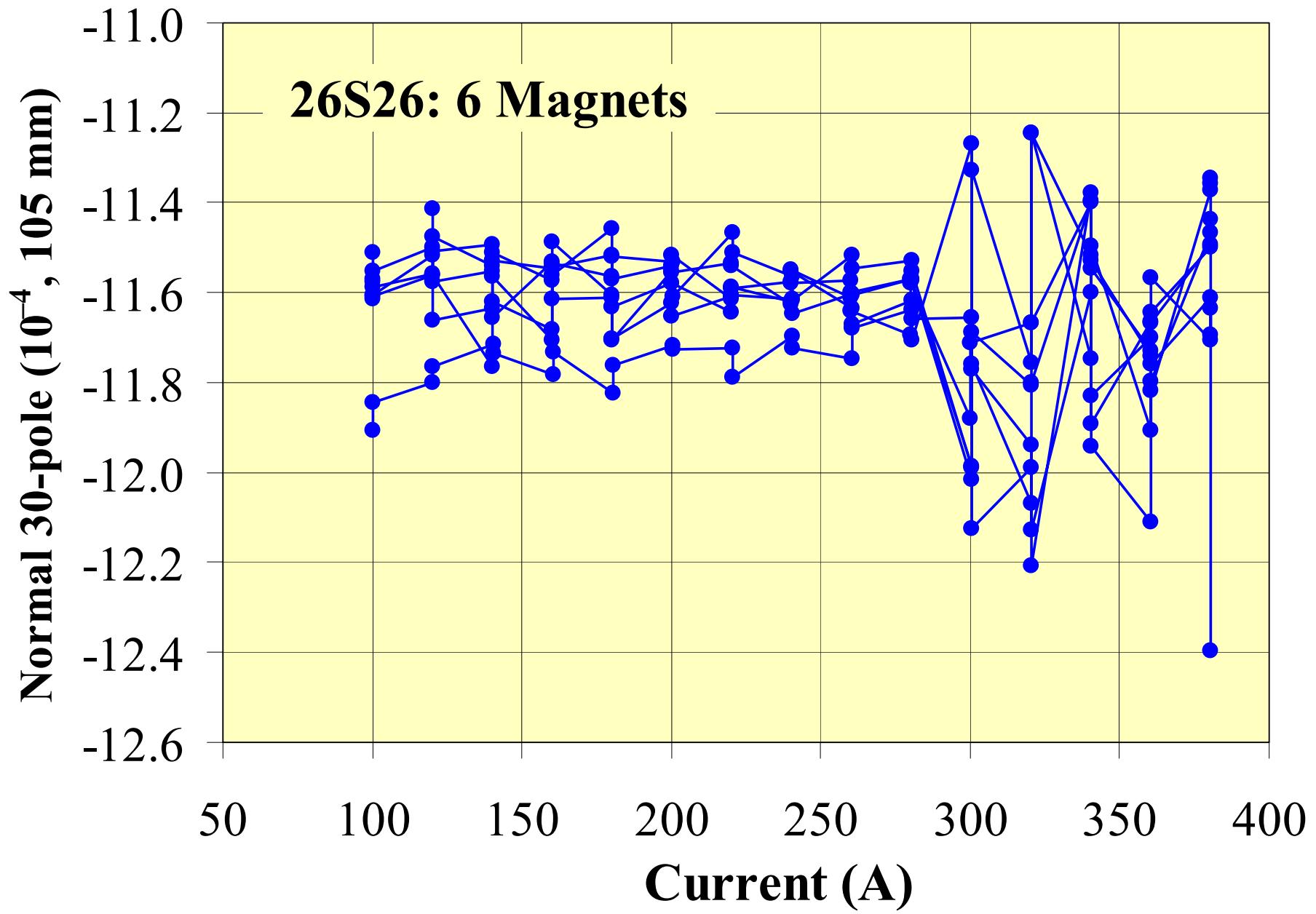


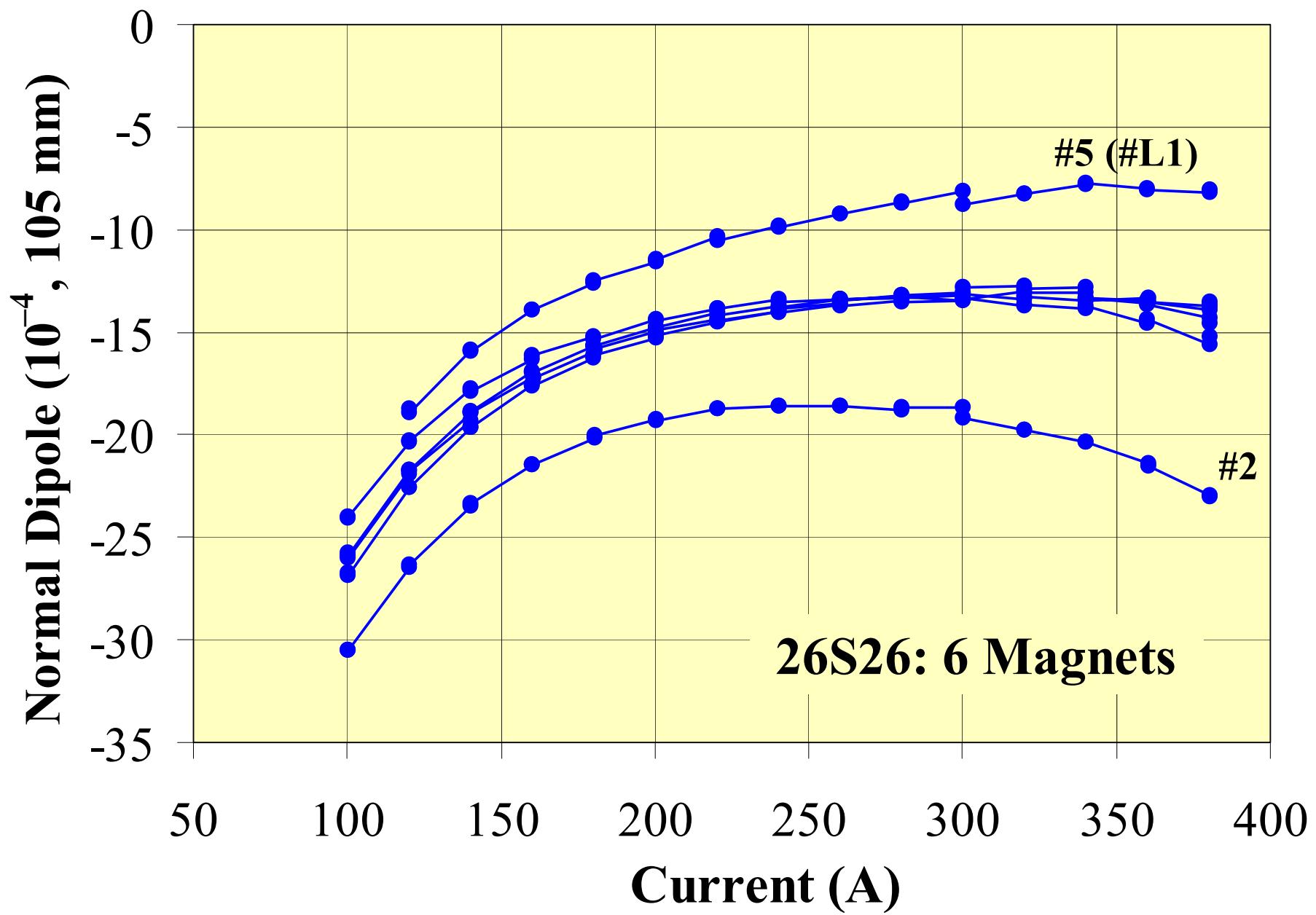
Field Quality in 26S26 Sextupoles

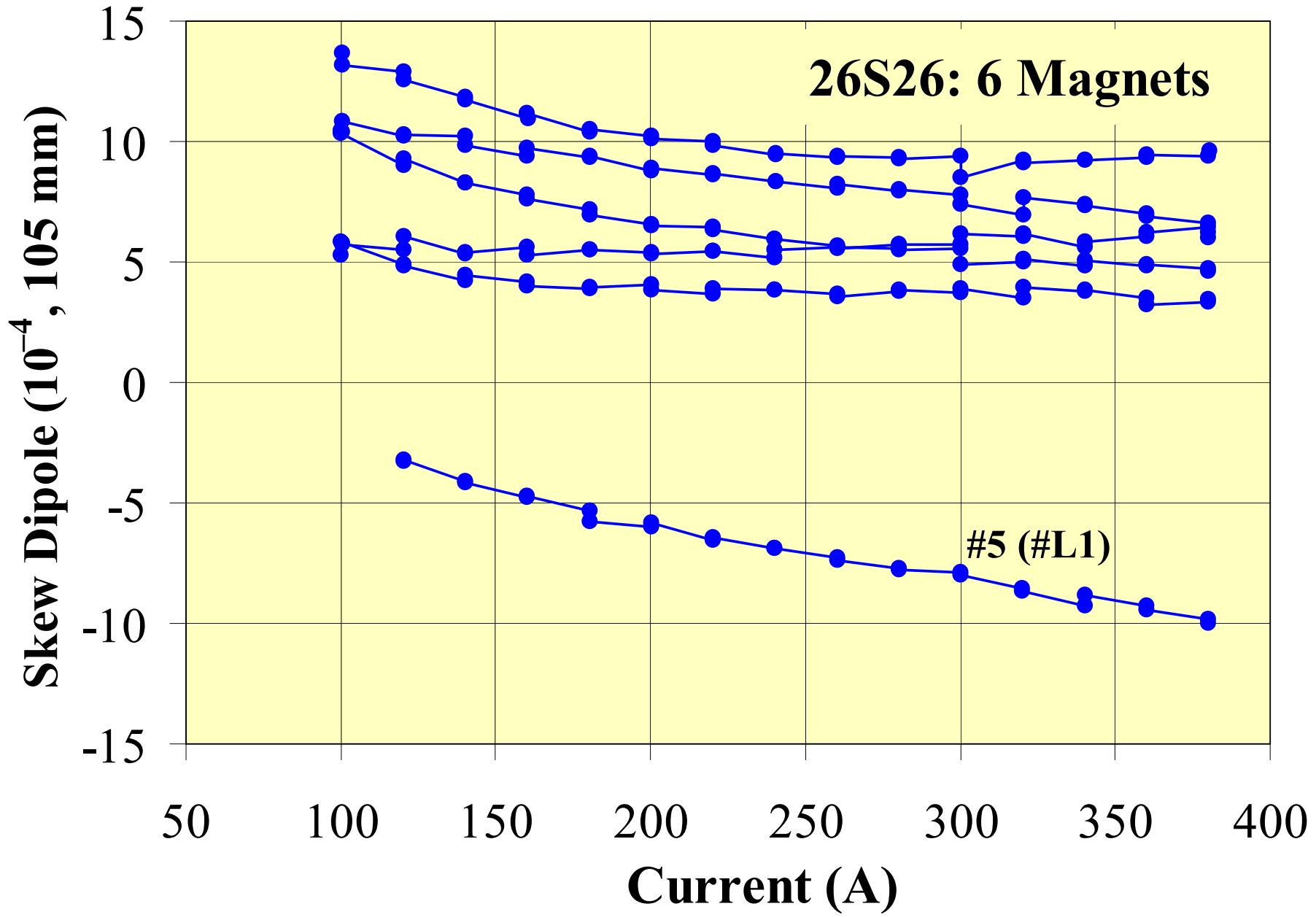
- Total of 6 magnets in house
 - 4 “Right” and 2 “Left” types
- Magnets named SS26nn for measurements
- The 4 “Right” types are serial numbers 1-4
- The “Left” types are stamped as “L1”, “L2” etc., instead of continuing the numerical sequence.
- For measurement purposes, “Left” types are named as SS2605, SS2606, etc.
- Reference radius for harmonics = 105 mm.

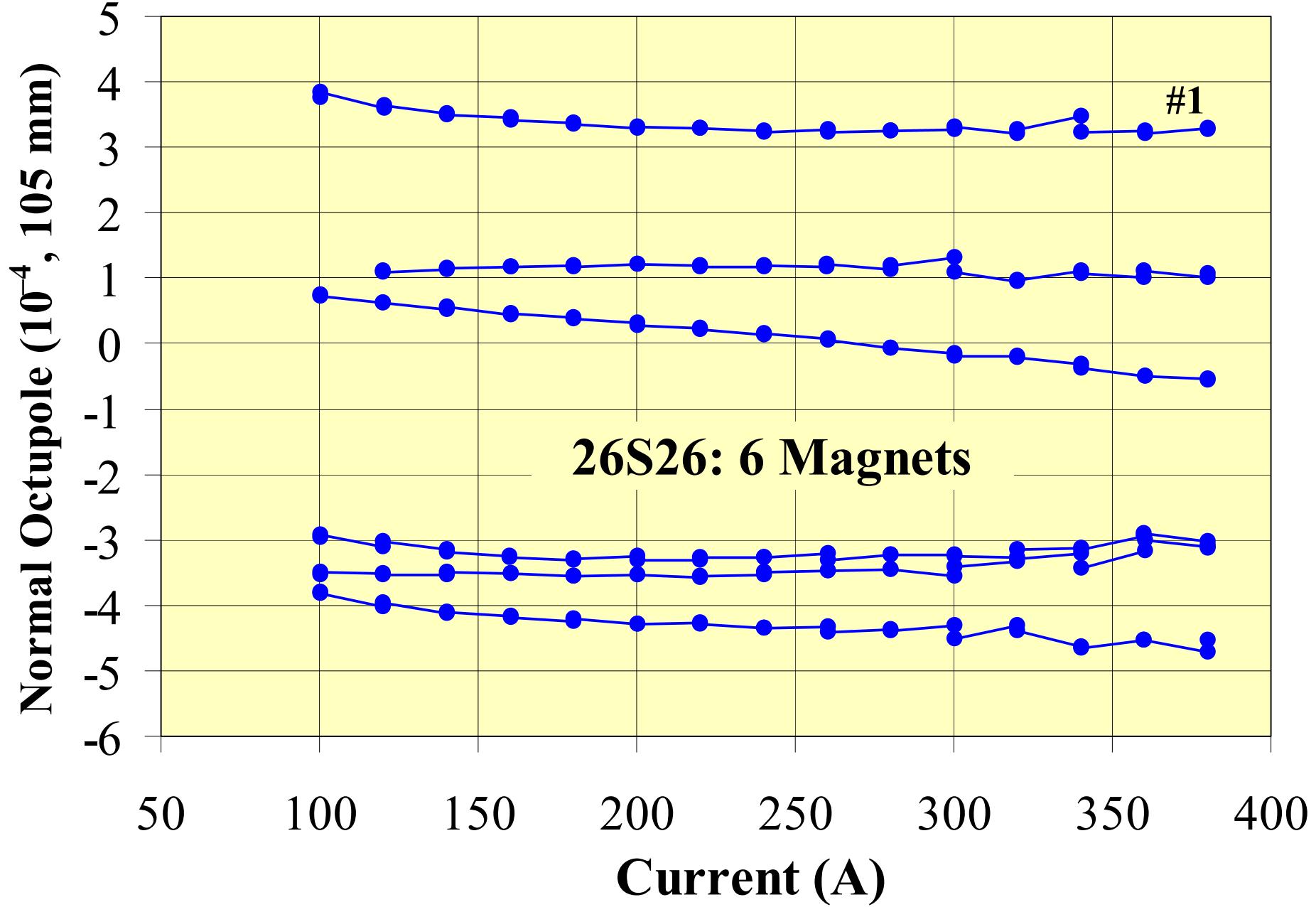


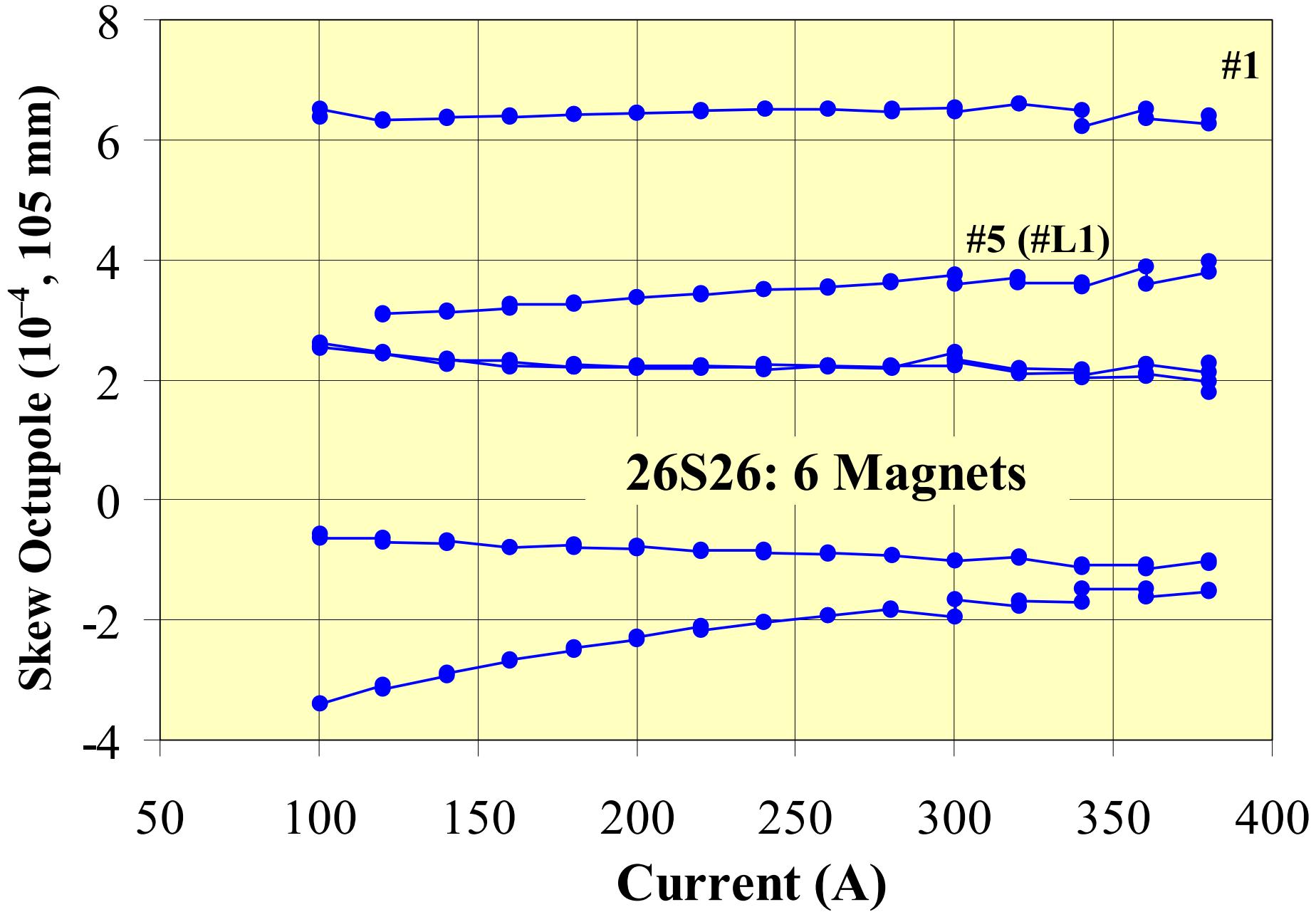


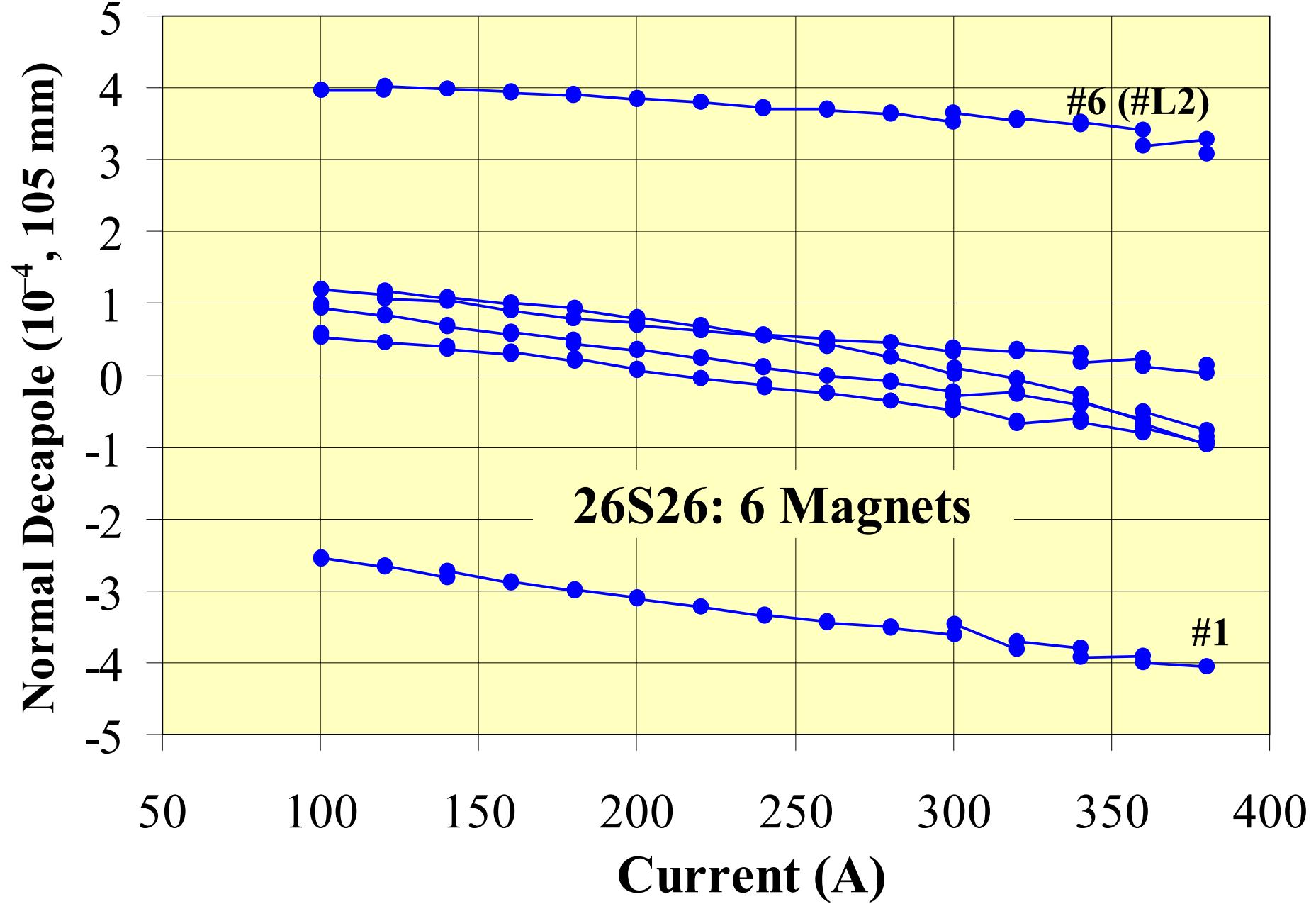


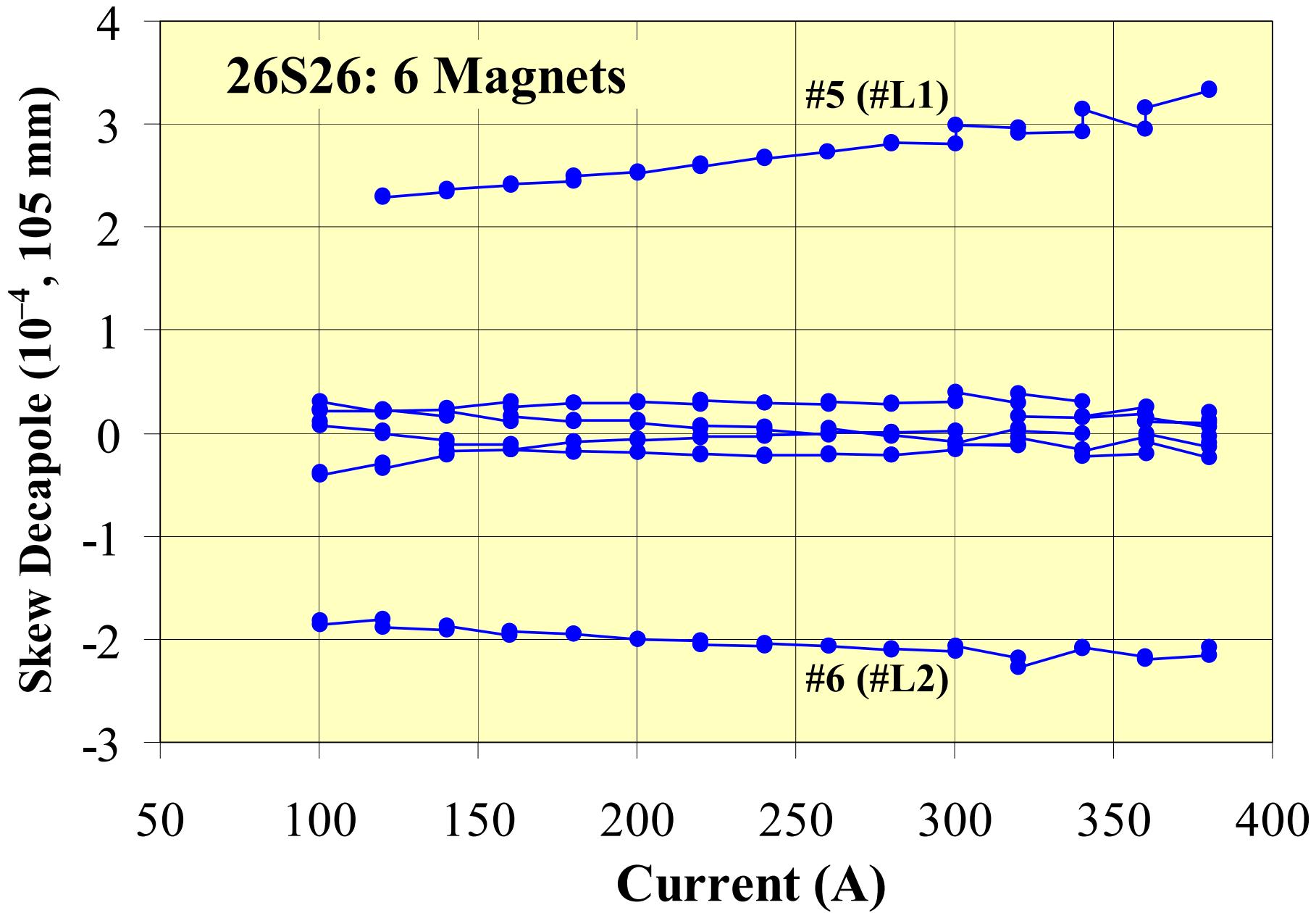












Summary of Field Quality in 26S26 Sextupoles (26S26: 6 Magnets)

Normal Terms in "units" of 10^{-4} at 105 mm radius

	Current	ITF	b0	b3	b4	b5	b6	b7	b8	b9	b10	b11	b12	b13	b14
Mean	380.30	12.224	-14.74	-1.17	-0.58	-0.24	0.10	-0.18	6.99	-0.02	-0.06	-0.06	-0.07	0.02	-11.6
Std.Dev.	0.04	0.09%	4.57	2.84	2.21	1.71	0.52	0.24	0.36	0.17	0.25	0.19	0.25	0.21	0.29
Mean	360.30	12.260	-14.09	-1.13	-0.41	-0.33	0.12	-0.14	7.18	-0.02	-0.02	-0.08	-0.12	-0.01	-11.8
Std.Dev.	0.02	0.09%	4.11	2.79	2.21	1.65	0.55	0.19	0.31	0.16	0.20	0.33	0.20	0.15	0.14
Mean	340.30	12.289	-13.61	-1.17	-0.24	-0.32	0.18	-0.13	7.26	0.00	0.00	-0.04	-0.08	-0.07	-11.6
Std.Dev.	0.02	0.09%	3.82	2.92	2.24	1.66	0.53	0.26	0.41	0.15	0.21	0.16	0.26	0.17	0.20
Mean	320.31	12.313	-13.49	-1.15	-0.14	-0.39	0.13	-0.22	7.15	-0.02	-0.24	0.04	0.02	-0.08	-11.8
Std.Dev.	0.02	0.08%	3.50	2.82	2.23	1.50	0.52	0.29	0.33	0.22	0.43	0.16	0.18	0.16	0.31
Mean	300.32	12.335	-13.39	-1.14	-0.04	-0.33	0.12	-0.18	7.29	0.01	0.02	-0.07	-0.05	0.00	-11.8
Std.Dev.	0.03	0.07%	3.18	2.91	2.17	1.74	0.55	0.30	0.36	0.24	0.36	0.15	0.27	0.20	0.26
Mean	280.32	12.355	-13.46	-1.12	0.06	-0.31	0.16	-0.12	7.36	0.03	0.07	-0.01	0.00	-0.01	-11.6
Std.Dev.	0.03	0.07%	3.04	2.89	2.17	1.67	0.54	0.23	0.37	0.11	0.09	0.07	0.06	0.04	0.06
Mean	260.32	12.375	-13.64	-1.10	0.15	-0.30	0.17	-0.12	7.40	0.02	0.06	-0.01	0.04	0.00	-11.6
Std.Dev.	0.03	0.06%	2.83	2.91	2.16	1.67	0.56	0.22	0.37	0.11	0.10	0.08	0.05	0.04	0.06
Mean	240.32	12.395	-13.94	-1.10	0.24	-0.31	0.17	-0.12	7.45	0.03	0.06	-0.01	0.04	0.00	-11.6
Std.Dev.	0.03	0.05%	2.65	2.91	2.14	1.66	0.56	0.23	0.38	0.12	0.10	0.07	0.04	0.04	0.05
Mean	220.32	12.415	-14.35	-1.07	0.35	-0.31	0.17	-0.12	7.51	0.02	0.01	0.00	0.04	0.01	-11.6
Std.Dev.	0.03	0.05%	2.51	2.93	2.13	1.67	0.56	0.22	0.41	0.11	0.12	0.07	0.05	0.04	0.09
Mean	200.33	12.436	-15.03	-1.05	0.45	-0.30	0.18	-0.12	7.56	0.02	0.03	-0.04	0.05	-0.03	-11.6
Std.Dev.	0.03	0.04%	2.37	2.94	2.11	1.64	0.57	0.21	0.42	0.11	0.11	0.06	0.07	0.03	0.07
Mean	180.31	12.458	-15.95	-1.03	0.55	-0.29	0.19	-0.13	7.61	0.02	-0.01	-0.03	0.02	-0.01	-11.6
Std.Dev.	0.03	0.04%	2.31	2.95	2.09	1.64	0.57	0.21	0.45	0.11	0.14	0.08	0.08	0.06	0.11
Mean	160.32	12.481	-17.23	-0.98	0.64	-0.28	0.21	-0.12	7.67	0.03	0.03	-0.02	0.04	0.00	-11.6
Std.Dev.	0.04	0.03%	2.34	2.96	2.07	1.66	0.59	0.21	0.49	0.12	0.15	0.04	0.10	0.05	0.09
Mean	140.34	12.509	-19.14	-0.94	0.73	-0.27	0.22	-0.11	7.73	0.01	0.00	-0.02	0.01	-0.02	-11.6
Std.Dev.	0.03	0.04%	2.38	2.95	2.05	1.64	0.59	0.21	0.49	0.11	0.10	0.09	0.07	0.06	0.09
Mean	120.33	12.543	-21.95	-0.87	0.81	-0.31	0.21	-0.11	7.82	0.02	0.00	-0.01	0.01	-0.02	-11.6
Std.Dev.	0.04	0.04%	2.44	2.95	2.03	1.64	0.59	0.22	0.54	0.11	0.16	0.07	0.10	0.09	0.11
Mean	100.35	12.590	-26.61	-1.15	0.82	-0.04	0.33	-0.16	7.80	0.02	0.00	0.02	0.00	-0.03	-11.6
Std.Dev.	0.04	0.03%	2.26	3.12	2.18	1.59	0.61	0.21	0.51	0.13	0.20	0.09	0.08	0.08	0.13

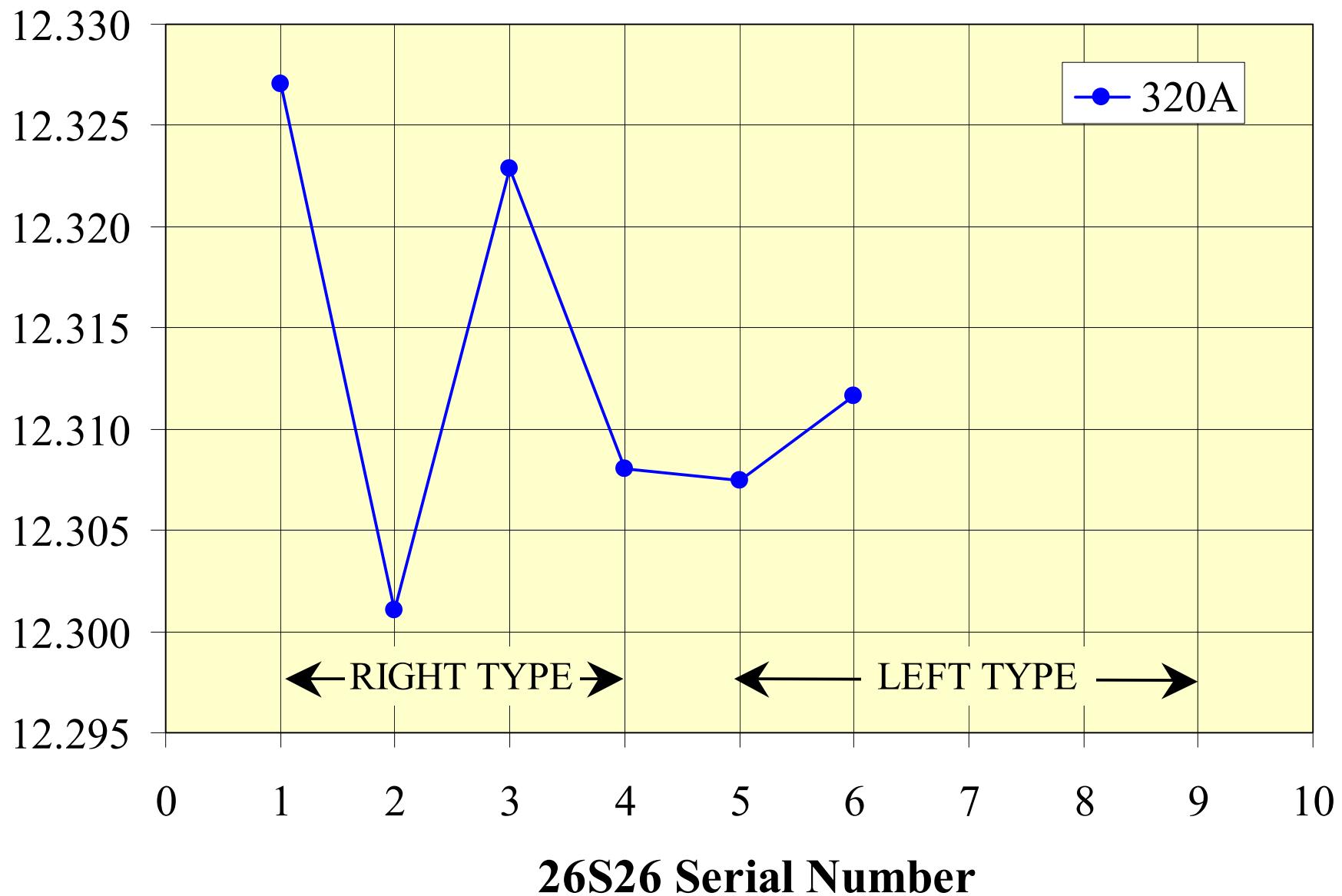
Summary of Field Quality in 26S26 Sextupoles (26S26: 6 Magnets)

Skew Terms in "units" of 10^{-4} at 105 mm radius

	Current	Fld.Ang.	a0	a3	a4	a5	a6	a7	a8	a9	a10	a11	a12	a13	a14
Mean	380.30	-1.9	3.4	2.0	0.2	0.3	0.1	0.2	0.0	0.2	0.1	0.0	-0.1	0.0	-0.1
Std.Dev.	0.04	0.5	6.5	2.8	1.7	0.4	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.1	0.2
Mean	360.30	-1.9	3.6	2.0	0.2	0.3	0.0	0.2	-0.1	0.2	0.1	0.0	-0.1	-0.1	0.0
Std.Dev.	0.02	0.5	6.3	2.9	1.6	0.5	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Mean	340.30	-1.9	3.7	1.9	0.2	0.3	0.1	0.2	0.0	0.2	0.0	0.1	0.1	0.0	0.1
Std.Dev.	0.02	0.5	6.2	2.8	1.6	0.5	0.3	0.2	0.3	0.1	0.3	0.2	0.2	0.1	0.2
Mean	320.31	-1.9	3.8	2.0	0.2	0.4	0.0	0.3	0.1	0.2	0.1	0.0	0.0	-0.1	0.1
Std.Dev.	0.02	0.5	6.1	2.9	1.6	0.4	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.3	0.2
Mean	300.32	-1.9	3.9	2.0	0.1	0.3	0.0	0.2	-0.1	0.2	-0.1	-0.1	-0.1	0.0	0.0
Std.Dev.	0.03	0.5	5.8	2.9	1.5	0.4	0.3	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.3
Mean	280.32	-1.9	4.1	2.0	0.1	0.3	0.1	0.2	0.0	0.3	0.1	0.0	0.0	0.0	0.0
Std.Dev.	0.03	0.5	5.8	2.9	1.5	0.4	0.3	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.1
Mean	260.32	-1.9	4.2	1.9	0.1	0.3	0.1	0.2	0.0	0.2	0.1	0.0	0.0	0.0	0.0
Std.Dev.	0.03	0.5	5.7	2.9	1.5	0.4	0.3	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.1
Mean	240.32	-1.9	4.3	1.9	0.1	0.3	0.1	0.2	-0.1	0.3	0.0	0.0	0.0	0.0	0.0
Std.Dev.	0.03	0.5	5.6	2.9	1.4	0.4	0.3	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.1
Mean	220.32	-1.9	4.6	1.9	0.1	0.3	0.1	0.2	0.0	0.3	0.1	0.0	0.0	0.0	0.0
Std.Dev.	0.03	0.5	5.6	2.9	1.4	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.1
Mean	200.33	-1.9	4.8	1.9	0.1	0.3	0.1	0.2	0.0	0.3	0.1	0.0	0.0	0.0	0.0
Std.Dev.	0.03	0.5	5.5	3.0	1.4	0.4	0.3	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Mean	180.31	-1.9	5.1	1.8	0.1	0.3	0.1	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0
Std.Dev.	0.03	0.5	5.5	3.0	1.3	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.1
Mean	160.32	-1.9	5.5	1.8	0.1	0.3	0.1	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Std.Dev.	0.04	0.5	5.4	3.0	1.3	0.4	0.3	0.1	0.3	0.1	0.1	0.1	0.1	0.0	0.1
Mean	140.34	-1.9	5.9	1.8	0.1	0.3	0.1	0.2	-0.1	0.3	0.0	0.0	0.0	0.0	0.0
Std.Dev.	0.03	0.5	5.4	3.1	1.3	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Mean	120.33	-1.9	6.6	1.7	0.1	0.3	0.1	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0
Std.Dev.	0.04	0.5	5.4	3.1	1.3	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Mean	100.35	-1.9	9.1	1.5	-0.3	0.3	0.1	0.2	0.0	0.3	0.0	-0.1	0.0	-0.1	-0.1
Std.Dev.	0.04	0.6	3.2	3.5	0.8	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1

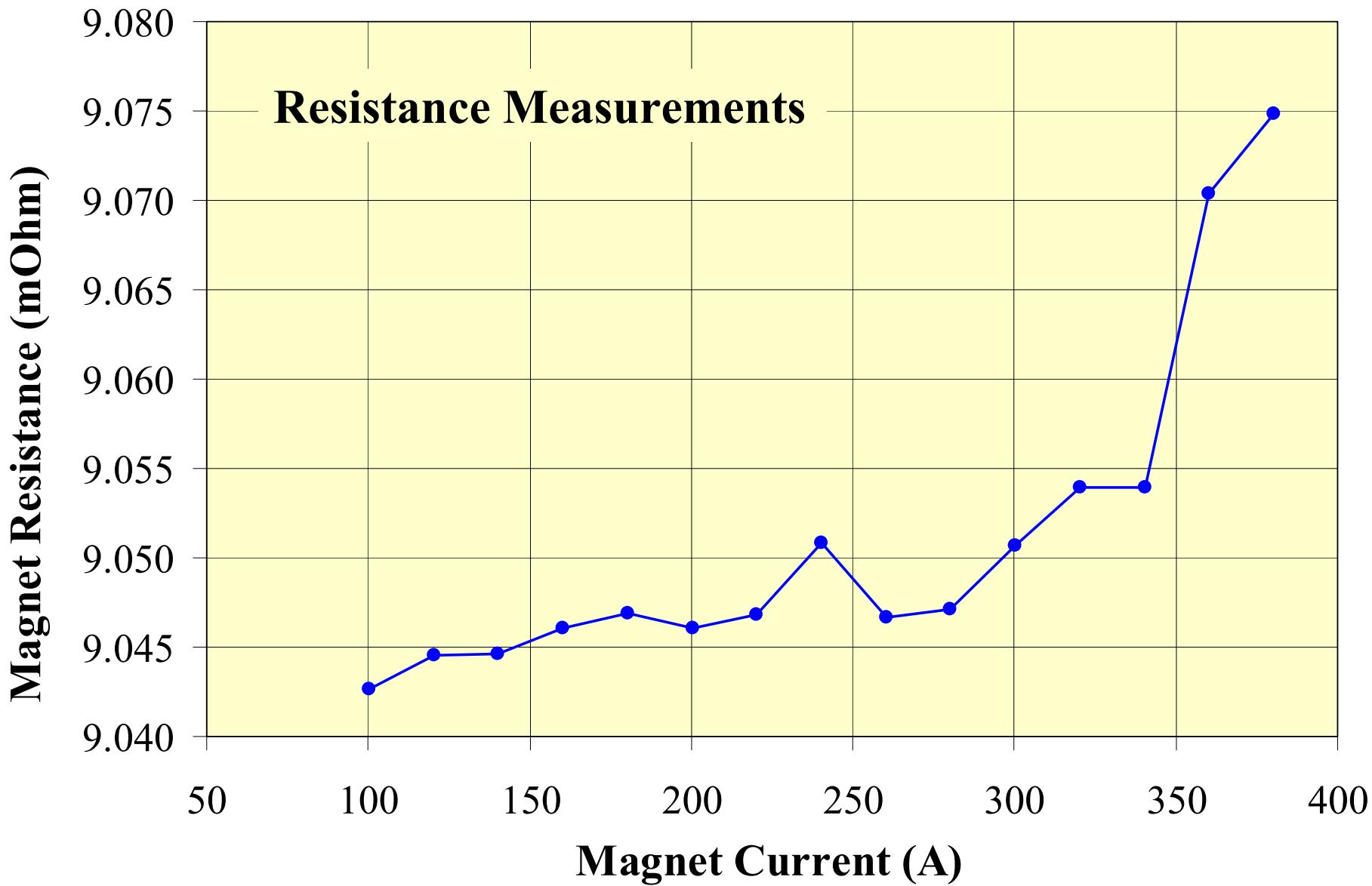
26S26 Trend Plot

Integral T.F. (T/m/kA)



26S26 Serial Number

Run SS2606.002 (26S26 Left #2)



Run SS2605.002 (26S26 Left #1)

