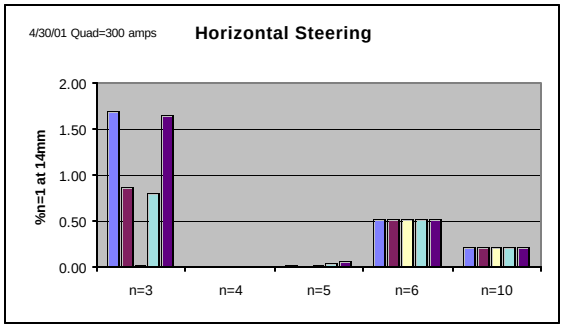
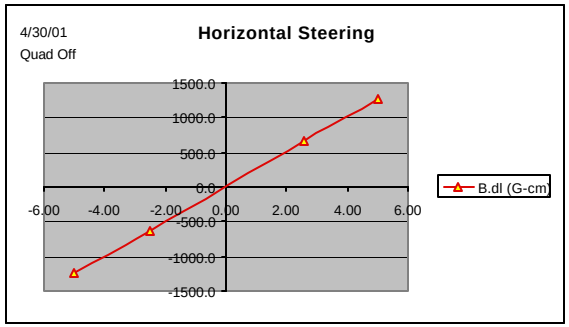
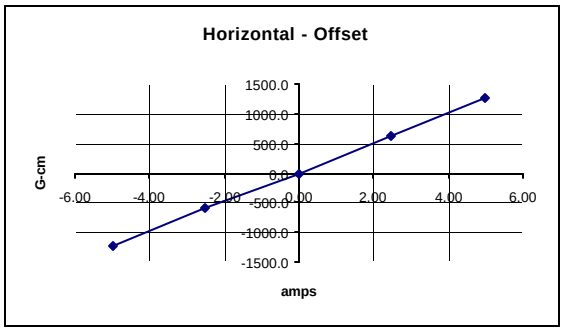
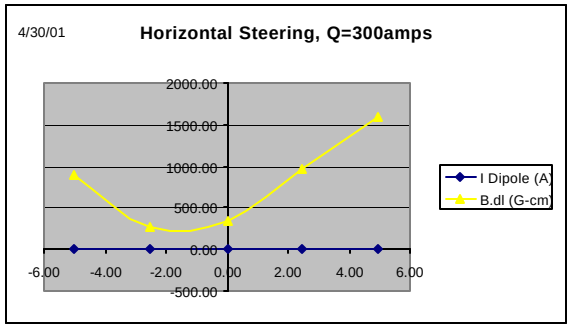
Horizontal Steering. No Quad. Coil 26

File Name	I Dipole (A)	I Quad (A)	B.dl (G-cm)	GL (T)	Multipoles in % of n=1 at R = 14 mm n=2	n=3	n=4	n=5	n=6	n=7
R177QN80.11	5.04	0.0000	1268.8	6.58E-3	7.26	44.08	0.06	1.32	0.13	1.34
R177QN80.12	2.54	0.0000	654.6	6.24E-3	13.34	44.80	0.07	1.37	0.17	1.31
R177QN80.13	-2.50	0.0000	-623.6	4.88E-3	10.96	45.67	0.18	1.38	0.01	1.35
R177QN80.14	-5.04	0.0000	-1248.6	4.33E-3	4.86	44.51	0.14	1.33	0.05	1.34

Horizontal Steering. Quad On. Coil 26

Use vector math to untangle the component of the dipole field due to the quad offset from the component due to the steering coils.

File Name	I Dipole (A)	I Quad (A)	B.dl (G-cm)	GL (T)	Multipoles in % of n=1 at R = 14 mm n=3	n=4	n=5	n=6	n=10	Dipole Phase	Quad Phase	Quad Phase/2	Dipole-Quad/2	Vertical Field	Horizontal Field	V-Field - Offset	H-Field - Offset
R177QN80.15	4.98	299.85	1582.6	2.3484	1.69	0.01	0.02	0.53	0.22	36.39	-22.23	-11.12	47.51	1581.1	69.2	1247.5	25.7
R177QN80.16	2.48	299.83	973.2	2.3477	0.87	0.01	0.01	0.53	0.22	37.90	-22.20	-11.10	49.00	970.8	67.9	637.2	24.4
R177QN80.3	0.00	299.71	336.4	2.3481	0.02	0.01	0.02	0.52	0.22	41.20	-22.46	-11.23	52.43	333.6	43.5	0.0	0.0
R177QN80.17	-2.52	299.82	277.3	2.3464	0.80	0.01	0.05	0.52	0.22	-158.02	-22.20	-11.10	-146.92	-271.3	57.3	-604.9	13.8
R177QN80.18	-5.00	299.82	901.2	2.3455	1.65	0.01	0.07	0.52	0.22	-149.42	-22.18	-11.09	-138.33	-899.7	52.4	-1233.3	8.8