

**PEP-II Quadrupole and Sextupole
Alignment Engineering Group Survey**

REGION 6 HER

Summer Downtime 2004
Final As Built Positions PEP-II Magnets

5 fnl files
both H&L

Magnet Name	Target Name	Z	X	Y
BH6AQUA	BH6AQUAA	-0.015	-0.138	-0.006
	BH6AQUAD	-0.018	-0.143	-0.002
	BH6AQUAW	-0.016	-0.134	-0.006
	BH6AQUAX	-0.022	-0.133	0.000
BH6AQUB	BH6AQUBA	0.011	-0.134	-0.010
	BH6AQUBD	0.011	-0.138	-0.012
	BH6AQUBW	0.021	-0.138	-0.009
	BH6AQUBX	0.018	-0.136	-0.012
BH6AQUC	BH6AQUCA	0.018	-0.139	-0.008
	BH6AQUCD	0.012	-0.139	-0.008
	BH6AQUCW	0.015	-0.127	-0.008
	BH6AQUCX	0.005	-0.131	-0.003
BH6AQUD	BH6AQUDA	0.020	-0.138	-0.014
	BH6AQUDD	0.019	-0.139	-0.013
	BH6AQUDW	0.028	-0.136	-0.012
	BH6AQUDX	0.031	-0.127	-0.009
BH6AQUE	BH6AQUEA	0.019	-0.132	-0.011
	BH6AQUED	0.010	-0.137	-0.010
	BH6AQUEW	0.014	-0.132	-0.013
	BH6AQUEX	0.005	-0.133	-0.004
BH6AQUF	BH6AQUFA	0.042	-0.133	-0.019
	BH6AQUFD	0.044	-0.137	-0.014
	BH6AQUFW	0.047	-0.129	-0.022
	BH6AQUFX	0.044	-0.128	-0.014
BH6AQUG	BH6AQUGA	0.019	-0.114	-0.012
	BH6AQUGD	0.023	-0.119	-0.013
	BH6AQUGW	0.028	-0.111	-0.014
	BH6AQUGX	0.029	-0.115	-0.014
BH6AQUH	BH6AQUHA	0.037	-0.104	-0.006
	BH6AQUHD	0.039	-0.101	-0.003
	BH6AQUHW	0.033	-0.100	-0.008
	BH6AQUHX	0.042	-0.098	-0.001
BH6AQUI	BH6AQUIA	0.000	-0.110	-0.018
	BH6AQUID	0.000	-0.105	-0.011
	BH6AQUIW	0.000	-0.104	-0.013
	BH6AQUIX	-0.005	-0.097	-0.007
BH6AQUJ	BH6AQUJA	-0.004	-0.109	-0.009
	BH6AQUJB	-0.007	-0.113	-0.012
	BH6AQUJC	-0.004	-0.112	-0.015
	BH6AQUJD	-0.006	-0.113	-0.015
BH6AQUK	BH6AQUKA	0.057	-0.101	-0.009
	BH6AQUKB	0.050	-0.099	-0.006
	BH6AQUKC	0.050	-0.098	-0.001
	BH6AQUKD	0.054	-0.096	-0.004
BH6ASQG	BH6ASQG3	0.000	-0.111	-0.005
	BH6ASQG4	-0.005	-0.109	-0.003
	BH6ASQG5	0.000	-0.107	-0.002
	BH6ASQG6	-0.004	-0.098	0.000
BH6BQUA	BH6BQUAA	0.068	-0.107	-0.025

	BH6BQUAB	0.067	-0.104	-0.028
	BH6BQUAC	0.000	0.000	0.000
	BH6BQUAD	0.068	-0.100	-0.029
BH6BQUB	BH6BQUBA	0.038	-0.095	-0.014
	BH6BQUBD	0.032	-0.097	-0.021
	BH6BQUBW	0.048	-0.087	-0.021
	BH6BQUBX	0.045	-0.092	-0.021
BH6BQUC	BH6BQUCA	0.008	-0.097	0.007
	BH6BQUCD	0.006	-0.091	0.009
	BH6BQUCW	0.011	-0.089	0.008
	BH6BQUCX	-0.001	-0.093	0.008
BH6BQUD	BH6BQUDA	0.010	-0.089	-0.010
	BH6BQUDD	0.004	-0.095	-0.005
	BH6BQUDW	0.008	-0.085	-0.009
	BH6BQUDX	0.008	-0.085	-0.003
BH6BQUE	BH6BQUEA	0.009	-0.068	-0.013
	BH6BQUED	0.015	-0.077	-0.007
	BH6BQUEW	0.007	-0.073	-0.016
	BH6BQUEX	0.005	-0.074	-0.005
BH6BQUF	BH6BQUFA	0.034	-0.070	-0.011
	BH6BQUFD	0.033	-0.076	-0.017
	BH6BQUFW	0.037	-0.070	-0.012
	BH6BQUFX	0.038	-0.066	-0.016
BH6BQUG	BH6BQUGA	0.000	0.000	0.000
	BH6BQUGA	0.029	-0.072	-0.019
	BH6BQUGD	0.000	0.000	0.000
	BH6BQUGD	0.025	-0.076	-0.012
	BH6BQUGW	0.000	0.000	0.000
	BH6BQUGW	0.033	-0.058	-0.009
	BH6BQUGX	0.000	0.000	0.000
	BH6BQUGX	0.034	-0.061	-0.014
BH6BQUH	BH6BQUHA	0.035	-0.078	-0.023
	BH6BQUHD	0.029	-0.086	-0.018
	BH6BQUHW	0.021	-0.077	-0.020
	BH6BQUHX	0.021	-0.076	-0.018
BH6BQUI	BH6BQUIA	0.026	-0.074	-0.022
	BH6BQUID	0.034	-0.080	-0.020
	BH6BQUIW	0.029	-0.072	-0.022
	BH6BQUIX	0.029	-0.071	-0.019
BH6BQUJ	BH6BQUJA	0.020	-0.078	-0.016
	BH6BQUJB	0.023	-0.078	-0.018
	BH6BQUJC	0.000	0.000	0.000
	BH6BQUJD	0.016	-0.079	-0.017
BH6BSQC	BH6BSQC3	0.152	-0.099	-0.009
	BH6BSQC4	0.148	-0.055	0.005
	BH6BSQC5	0.155	-0.098	-0.011
	BH6BSQC6	0.163	-0.059	0.001

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REGION 6 LER

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Final As Built Positions PEP-II Magnets

Magnet Name	Target Name	Z	X	Y
BL6AQUA	BL6AQUAA	-0.040	-0.028	-0.003
	BL6AQUAB	-0.038	-0.032	0.001
	BL6AQUAC	-0.046	-0.033	0.001
BL6AQUB	BL6AQUBA	0.022	-0.005	-0.008
	BL6AQUBB	0.018	-0.006	-0.012
	BL6AQUBC	0.021	-0.006	-0.015
BL6AQUC	BL6AQUCA	0.034	-0.008	-0.014
	BL6AQUCB	0.033	-0.008	-0.011
	BL6AQUCC	0.032	-0.010	-0.013
BL6AQUD	BL6AQUDA	-0.009	-0.012	-0.009
	BL6AQUDB	-0.007	-0.016	-0.007
	BL6AQUDC	-0.007	-0.020	-0.006
BL6AQUE	BL6AQUEA	0.043	-0.003	-0.004
	BL6AQUEB	0.045	-0.006	-0.005
	BL6AQUEC	0.045	-0.009	-0.003
BL6AQUF	BL6AQUFA	0.019	-0.007	-0.008
	BL6AQUFB	0.018	0.000	-0.012
	BL6AQUFC	0.026	-0.006	-0.010
BL6AQUG	BL6AQUGA	0.010	0.004	0.009
	BL6AQUGB	0.005	0.002	0.008
	BL6AQUGC	0.001	-0.001	0.007
BL6AQUH	BL6AQUHA	0.024	0.017	0.015
	BL6AQUHB	0.019	0.022	0.023
	BL6AQUHC	0.014	0.015	0.021
BL6AQUI	BL6AQUIA	0.048	0.002	0.007
	BL6AQUIB	0.045	0.001	0.011
	BL6AQUIC	0.050	0.000	0.016
BL6AQUJ	BL6AQUJA	0.031	-0.009	0.007
	BL6AQUJB	0.036	-0.019	0.003
	BL6AQUJC	0.037	-0.014	0.006
BL6AQUK	BL6AQUKA	-0.069	-0.008	0.012
	BL6AQUKB	-0.070	-0.015	0.011
	BL6AQUKC	-0.068	-0.010	0.012
BL6AQL	BL6AQLA	-0.038	-0.010	0.020
	BL6AQLB	-0.034	-0.015	0.024
	BL6AQLC	-0.040	-0.015	0.024
BL6ASXA	BL6ASXA3	-0.204	-0.045	-0.003
	BL6ASXA4	-0.203	-0.045	0.000
	BL6ASXA5	-0.228	-0.042	-0.008
BL6BQUA	BL6BQUAA	0.003	0.002	0.017
	BL6BQUAB	0.003	0.000	0.020
	BL6BQUAC	0.006	-0.003	0.021
BL6BQUB	BL6BQUBA	0.030	-0.001	0.008
	BL6BQUBB	0.033	0.000	0.007
	BL6BQUBC	0.031	0.004	0.021
BL6BQUC	BL6BQUCA	-0.058	0.010	-0.001
	BL6BQUCB	-0.055	0.020	-0.011
	BL6BQUCC	-0.056	0.021	-0.005
BL6BQUD	BL6BQUDA	0.049	0.020	-0.005

	BL6BQUDB	0.055	0.019	-0.007
	BL6BQUDC	0.058	0.006	-0.012
BL6BQUE	BL6BQUEA	0.086	0.010	0.008
	BL6BQUEB	0.082	0.020	0.001
	BL6BQUEC	0.084	0.020	0.014
BL6BQUF	BL6BQUFA	-0.049	0.012	0.013
	BL6BQUFB	-0.044	0.005	0.011
	BL6BQUFC	-0.044	0.010	0.013
BL6BQUG	BL6BQUGA	-0.029	0.018	-0.001
	BL6BQUGA	619.962	-11.209	-0.004
	BL6BQUGB	-0.036	0.019	-0.005
	BL6BQUGB	0.000	0.000	0.000
	BL6BQUGC	-0.027	0.023	-0.002
	BL6BQUGC	0.000	0.000	0.000
BL6BQUH	BL6BQUHA	0.035	0.011	-0.009
	BL6BQUHB	0.041	0.012	-0.006
	BL6BQUHC	0.034	0.010	-0.005
BL6BQUI	BL6BQUIA	0.020	0.011	-0.017
	BL6BQUIB	0.017	0.010	-0.016
	BL6BQUIC	0.011	0.014	-0.014
BL6BQUJ	BL6BQUJA	0.002	0.009	-0.010
	BL6BQUJB	0.007	0.017	-0.008
	BL6BQUJC	0.009	0.014	-0.006
BL6BQUK	BL6BQUKA	0.022	-0.005	-0.001
	BL6BQUKB	0.019	-0.005	0.003
	BL6BQUKC	0.017	-0.004	-0.001
BL6BQUL	BL6BQULA	-0.001	0.010	0.007
	BL6BQULB	-0.005	0.009	0.011
	BL6BQULC	-0.011	0.002	0.008