

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

REGION 10 HER

Summer Downtime 2004
Final As Built Positions PEP-II Magnets

Magnet Name	Target Name	Z	X	Y
BH0AQUA	BH0AQUAA	-0.059	0.158	0.047
	BH0AQUAD	-0.059	0.164	0.050
	BH0AQUAW	-0.070	0.168	0.049
	BH0AQUAX	-0.056	0.174	0.047
BH0AQUB	BH0AQUBA	-0.073	0.144	0.031
	BH0AQUBC	-0.042	0.144	0.032
	BH0AQUBD	-0.071	0.143	0.019
BH0AQUC	BH0AQUCA	-0.069	0.138	0.051
	BH0AQUCB	-0.065	0.139	0.050
	BH0AQUCC	-0.058	0.127	0.043
	BH0AQUCD	-0.069	0.132	0.050
BH0AQUD	BH0AQUDA	-0.049	0.145	0.053
	BH0AQUDB	-0.051	0.140	0.049
	BH0AQUDC	-0.054	0.140	0.045
	BH0AQUDD	-0.047	0.140	0.052
BH0AQUE	BH0AQUEA	-0.055	0.149	0.033
	BH0AQUED	-0.059	0.147	0.033
	BH0AQUEW	-0.060	0.170	0.030
	BH0AQUEX	-0.059	0.178	0.033
BH0BQUA	BH0BQUAA	-0.041	0.150	0.038
	BH0BQUAD	-0.047	0.152	0.033
	BH0BQUAW	-0.029	0.159	0.032
	BH0BQUAX	-0.024	0.155	0.036
BH0BQUB	BH0BQUBA	-0.007	0.103	0.049
	BH0BQUBD	0.008	0.103	0.057
	BH0BQUBW	-0.030	0.113	0.043
	BH0BQUBX	-0.037	0.098	0.057
BH0BQUC	BH0BQUCA	-0.044	0.077	0.091
	BH0BQUCD	-0.061	0.078	0.092
	BH0BQUCW	-0.058	0.082	0.089
	BH0BQUCX	-0.050	0.076	0.092
BH0BQUD	BH0BQUDA	-0.028	0.081	0.042
	BH0BQUDD	-0.024	0.077	0.043
	BH0BQUDW	-0.033	0.092	0.043
	BH0BQUDX	-0.032	0.103	0.046
BH0BQUE	BH0BQUEA	-0.050	0.081	0.056
	BH0BQUED	-0.050	0.084	0.067
	BH0BQUEW	-0.059	0.089	0.059
	BH0BQUEX	-0.061	0.092	0.067

7 fnl files
both H&L

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Alignment Engineering Group Survey**

REGION 10 LER

Summer Downtime 2004
Final As Built Positions PEP-II Magnets

Magnet Name	Target Name	Z	X	Y
BL0AQUA	BL0AQUAA	-0.012	0.085	0.011
	BL0AQUAB	-0.009	0.092	0.011
	BL0AQUAC	-0.005	0.092	0.011
BL0AQUB	BL0AQUBA	-0.023	0.088	0.013
	BL0AQUBB	-0.021	0.088	0.010
	BL0AQUBC	-0.019	0.087	0.015
BL0AQUC	BL0AQUCA	-0.054	0.042	0.048
	BL0AQUCB	-0.053	0.042	0.039
	BL0AQUCC	-0.052	0.035	0.042
BL0AQUD	BL0AQUDA	-0.023	0.066	0.012
	BL0AQUDB	-0.026	0.072	0.008
	BL0AQUDC	-0.021	0.067	0.008
BL0AQUE	BL0AQUEA	0.023	0.078	0.029
	BL0AQUEB	0.022	0.071	0.024
	BL0AQUEC	0.028	0.068	0.029
BL0AQUF	BL0AQUFA	-0.084	0.074	0.037
	BL0AQUFB	-0.073	0.066	0.036
	BL0AQUFC	-0.079	0.058	0.038
BL0AQUG	BL0AQUGA	-0.060	0.063	0.022
	BL0AQUGB	-0.070	0.074	0.024
	BL0AQUGC	-0.066	0.056	0.022
BL0AQUH	BL0AQUHA	-0.031	0.081	-0.004
	BL0AQUHB	-0.034	0.075	-0.004
	BL0AQUHC	-0.031	0.076	-0.004
BL0AQUI	BL0AQUIA	0.004	0.099	-0.010
	BL0AQUIB	0.005	0.094	-0.009
	BL0AQUIC	0.004	0.099	-0.008
BL0AQUJ	BL0AQUJA	-0.040	0.075	0.019
	BL0AQUJB	-0.041	0.082	0.019
	BL0AQUJC	-0.040	0.077	0.018
BL0AQUK	BL0AQUKA	-0.048	0.080	0.016
	BL0AQUKB	-0.058	0.089	0.010
	BL0AQUKC	-0.047	0.080	0.013
BL0AQL	BL0AQLA	-0.025	0.081	0.004
	BL0AQLB	-0.029	0.086	-0.003
	BL0AQLC	-0.025	0.081	0.002
BL0BQUA	BL0BQUAA	0.003	0.087	0.004
	BL0BQUAB	0.016	0.086	0.001
	BL0BQUAC	0.007	0.083	0.004
BL0BQUB	BL0BQUBA	-0.018	0.087	0.008
	BL0BQUBB	-0.011	0.082	0.009
	BL0BQUBC	-0.012	0.087	0.011
BL0BQUC	BL0BQUCA	-0.038	0.096	0.009
	BL0BQUCB	-0.033	0.116	0.010
	BL0BQUCC	-0.035	0.105	0.012
BL0BQUD	BL0BQUDA	0.005	0.132	0.003
	BL0BQUDB	0.015	0.124	0.004
	BL0BQUDC	0.008	0.132	0.004
BL0BQUE	BL0BQUEA	-0.008	0.118	0.004

	BL0BQUEB	-0.003	0.119	0.006
	BL0BQUEC	-0.017	0.124	0.008
BL0BQUF	BL0BQUFA	-0.059	0.060	0.037
	BL0BQUFB	-0.062	0.062	0.035
	BL0BQUFC	-0.067	0.049	0.038
BL0BQUG	BL0BQUGA	-0.126	0.100	-0.002
	BL0BQUGB	-0.112	0.103	-0.003
	BL0BQUGC	-0.111	0.108	-0.001
BL0BQUH	BL0BQUHA	-0.074	0.086	0.023
	BL0BQUHB	-0.077	0.085	0.020
	BL0BQUHC	-0.064	0.083	0.023
BL0BQUI	BL0BQUIA	-0.007	0.062	0.034
	BL0BQUIB	0.004	0.070	0.030
	BL0BQUIC	-0.001	0.060	0.032
BL0BQUJ	BL0BQUJA	0.016	0.044	0.078
	BL0BQUJB	0.020	0.045	0.076
	BL0BQUJC	0.013	0.032	0.078
BL0BQUK	BL0BQUKA	-0.003	0.064	0.035
	BL0BQUKB	-0.002	0.061	0.028
	BL0BQUKC	0.008	0.056	0.035
BL0BQUL	BL0BQULA	-0.008	0.090	0.014
	BL0BQULB	-0.014	0.084	0.013
	BL0BQULC	-0.010	0.086	0.016
	BL0BQULM	25.405	12.370	-0.542
	BL0BQULM	18.249	12.374	-0.526
	BL0BQULM	25.395	1.170	11.335
	BL0BQULM	19.251	1.151	11.335