

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

REGION 4 HER

Summer Downtime 2004
Final As Built Positions PEP-II Magnets

6 fnl files
both H&L

Magnet Name	Target Name	Z	X	Y
BH4AQUA	BH4AQUAA	0.000	0.000	0.000
	BH4AQUAA	-0.110	0.133	0.039
	BH4AQUAD	-0.114	0.128	0.042
	BH4AQUAW	-0.115	0.135	0.040
	BH4AQUAX	-0.109	0.136	0.045
BH4AQUB	BH4AQUBA	-0.073	0.142	0.033
	BH4AQUBD	-0.071	0.144	0.031
	BH4AQUBW	-0.069	0.147	0.032
	BH4AQUBX	-0.070	0.149	0.032
BH4AQUC	BH4AQUCA	-0.065	0.133	0.039
	BH4AQUCD	-0.056	0.134	0.036
	BH4AQUCW	-0.062	0.144	0.038
	BH4AQUCX	-0.060	0.142	0.039
BH4AQUD	BH4AQUDA	-0.051	0.130	0.024
	BH4AQUDD	-0.051	0.137	0.028
	BH4AQUDW	-0.042	0.136	0.031
	BH4AQUDX	-0.046	0.134	0.024
BH4AQUE	BH4AQUEA	-0.067	0.135	0.023
	BH4AQUED	-0.066	0.136	0.018
	BH4AQUEW	-0.060	0.133	0.019
	BH4AQUEX	-0.060	0.133	0.018
BH4AQUF	BH4AQUFA	-0.067	0.125	0.020
	BH4AQUFD	-0.064	0.127	0.020
	BH4AQUFW	-0.054	0.132	0.021
	BH4AQUFX	-0.065	0.137	0.019
BH4AQUG	BH4AQUGA	-0.076	0.134	0.018
	BH4AQUGD	-0.067	0.137	0.017
	BH4AQUGW	-0.068	0.127	0.021
	BH4AQUGX	-0.067	0.132	0.017
BH4AQUH	BH4AQUHA	-0.054	0.109	0.009
	BH4AQUHD	-0.055	0.107	0.021
	BH4AQUHW	-0.052	0.105	0.018
	BH4AQUHX	-0.045	0.110	0.018
BH4AQUI	BH4AQUIA	-0.129	0.112	0.007
	BH4AQUIC	-0.126	0.105	0.000
	BH4AQUID	-0.131	0.108	0.007
BH4AQUJ	BH4AQUJA	-0.084	0.107	0.005
	BH4AQUJD	-0.084	0.106	0.009
	BH4AQUJW	-0.085	0.108	0.009
	BH4AQUJX	-0.084	0.098	0.009
BH4ASQA	BH4ASQA3	-0.054	0.135	0.013
	BH4ASQA4	-0.056	0.136	0.012
	BH4ASQA5	-0.060	0.129	0.006
	BH4ASQA6	-0.059	0.125	0.008
BH4BQUA	BH4BQUAA	-0.072	0.111	-0.005
	BH4BQUAD	-0.078	0.104	-0.001
	BH4BQUAW	-0.075	0.106	-0.005
	BH4BQUAX	-0.080	0.101	-0.002
BH4BQUB	BH4BQUBA	-0.119	0.119	0.023

	BH4BQUBD	-0.125	0.115	0.024
	BH4BQUBW	-0.116	0.123	0.028
	BH4BQUBX	-0.119	0.122	0.030
BH4BQUC	BH4BQUCA	-0.100	0.113	0.037
	BH4BQUCD	-0.106	0.118	0.036
	BH4BQUCW	-0.101	0.122	0.038
	BH4BQUCX	-0.099	0.124	0.039
BH4BQUD	BH4BQUDA	-0.077	0.105	0.013
	BH4BQUDD	-0.079	0.109	0.017
	BH4BQUDW	-0.079	0.105	0.012
	BH4BQUDX	-0.075	0.107	0.016
BH4BQUE	BH4BQUEA	-0.079	0.074	-0.013
	BH4BQUED	0.000	0.000	0.000
	BH4BQUEW	-0.078	0.064	-0.012
	BH4BQUEX	-0.076	0.071	-0.014
BH4BQUF	BH4BQUFA	-0.059	0.070	0.007
	BH4BQUFD	-0.055	0.079	0.015
	BH4BQUFW	-0.058	0.075	0.009
	BH4BQUFX	-0.055	0.085	0.013
BH4BQUG	BH4BQUGA	-0.069	0.064	0.000
	BH4BQUGD	-0.073	0.071	-0.001
	BH4BQUGW	-0.069	0.069	0.002
	BH4BQUGX	-0.066	0.067	-0.005
BH4BQUH	BH4BQUHA	-0.040	0.066	-0.010
	BH4BQUHD	-0.046	0.072	-0.003
	BH4BQUHW	-0.047	0.064	-0.013
	BH4BQUHX	-0.050	0.060	-0.008
BH4BQUI	BH4BQUIA	-0.082	0.059	-0.015
	BH4BQUID	-0.090	0.060	-0.013
	BH4BQUIW	-0.080	0.069	-0.015
	BH4BQUIX	-0.076	0.086	-0.010
BH4BQUJ	BH4BQUJA	-0.093	0.050	-0.012
	BH4BQUJD	-0.089	0.052	-0.010
	BH4BQUJW	-0.094	0.064	-0.007
	BH4BQUJX	-0.092	0.061	-0.011
BH4BSQI	BH4BSQI3	-0.275	0.079	-0.006
	BH4BSQI4	-0.271	0.076	-0.009
	BH4BSQI5	-0.275	0.076	-0.009
	BH4BSQI6	-0.273	0.057	-0.009

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

REGION 4 LER

Summer Downtime 2004
Final As Built Positions PEP-II Magnets

Magnet Name	Target Name	Z	X	Y
BL4AQUA	BL4AQUAA	-0.045	0.021	0.010
	BL4AQUAB	-0.049	0.023	0.006
	BL4AQUAC	-0.046	0.020	0.009
BL4AQUB	BL4AQUBA	-0.055	0.019	0.008
	BL4AQUBB	-0.050	0.016	0.011
	BL4AQUBC	-0.055	0.020	0.010
BL4AQUC	BL4AQUCA	-0.054	0.016	-0.001
	BL4AQUCB	-0.054	0.010	0.005
	BL4AQUCC	-0.059	0.018	0.003
BL4AQUD	BL4AQUDA	-0.059	0.010	0.013
	BL4AQUDB	-0.057	0.026	-0.017
	BL4AQUDC	-0.035	0.005	-0.003
BL4AQUE	BL4AQUEA	-0.019	0.015	0.003
	BL4AQUEB	-0.019	0.008	0.001
	BL4AQUEC	-0.021	0.017	0.003
BL4AQUF	BL4AQUFA	-0.066	0.004	-0.001
	BL4AQUFB	-0.076	0.026	-0.024
	BL4AQUFC	-0.047	0.010	-0.009
BL4AQUG	BL4AQUGA	-0.151	0.000	-0.001
	BL4AQUGB	-0.151	-0.002	0.006
	BL4AQUGC	-0.157	-0.003	0.001
BL4AQUH	BL4AQUHA	-0.056	-0.011	-0.006
	BL4AQUHB	-0.046	-0.015	-0.005
	BL4AQUHC	-0.058	-0.019	-0.008
BL4AQUI	BL4AQUIA	-0.065	-0.029	-0.004
	BL4AQUIB	-0.069	-0.030	-0.008
	BL4AQUIC	-0.068	-0.024	-0.006
BL4AQUJ	BL4AQUJA	-0.090	-0.037	-0.012
	BL4AQUJB	-0.090	-0.038	-0.006
	BL4AQUJC	-0.095	-0.035	-0.009
BL4ASKJ	BL4ASKJA	-0.128	-0.055	0.017
	BL4ASKJB	-0.113	-0.050	0.019
	BL4ASKJC	-0.115	-0.047	0.021
	BL4ASKJD	-0.121	-0.049	0.020
BL4BQUA	BL4BQUAA	-0.043	-0.041	-0.011
	BL4BQUAB	-0.041	-0.040	-0.013
	BL4BQUAC	-0.045	-0.039	-0.011
BL4BQUB	BL4BQUBA	-0.095	-0.023	0.031
	BL4BQUBB	-0.092	-0.026	0.032
	BL4BQUBC	-0.096	-0.020	0.030
BL4BQUC	BL4BQUCA	-0.040	-0.027	0.027
	BL4BQUCB	-0.033	-0.017	0.006
	BL4BQUCC	-0.025	-0.027	0.016
BL4BQUD	BL4BQUDA	-0.058	-0.054	0.015
	BL4BQUDA	702.249	-0.089	0.029
	BL4BQUDB	-0.056	-0.054	0.017
	BL4BQUDB	0.000	0.000	0.000
	BL4BQUDC	-0.057	-0.055	0.017
	BL4BQUDC	0.000	0.000	0.000

BL4BQUE	BL4BQUEA	-0.051	-0.093	0.009
	BL4BQUEB	-0.057	-0.089	0.012
	BL4BQUEC	-0.054	-0.084	0.013
BL4BQUF	BL4BQUFA	-0.065	-0.091	0.027
	BL4BQUFB	-0.063	-0.092	0.033
	BL4BQUFC	-0.066	-0.092	0.032
BL4BQUG	BL4BQUGA	-0.034	-0.089	0.025
	BL4BQUGB	-0.036	-0.085	0.023
	BL4BQUGC	-0.038	-0.093	0.026
BL4BQUH	BL4BQUHA	0.007	-0.078	0.015
	BL4BQUHB	0.008	-0.081	0.018
	BL4BQUHC	0.003	-0.082	0.019
BL4BQUI	BL4BQUIA	-0.017	-0.077	0.024
	BL4BQUIB	-0.018	-0.008	-0.039
	BL4BQUIC	0.037	-0.072	-0.005
BL4BSKA	BL4BSKAA	-0.021	-0.055	0.028
	BL4BSKAB	-0.015	-0.052	0.028
	BL4BSKAC	-0.012	-0.054	0.031
	BL4BSKAD	-0.021	-0.057	0.029