



Jefferson Lab Alignment Group

Data Transmittal

TO: D. Douglas

DATE: Oct 22 2004

FROM: J. Dahlberg

Checked:

#: F959

DETAILS:

Below are the results of the survey performed in the 4F region during the week of Oct 18, 2004. A +Z is downstream, +X is to the beam left, and +Y is high from ideal. A +roll is ccw looking downstream, a + pitch is ccw looking from beam right, and a +yaw is cw looking from above. Values are in millimeters and degrees. It should be noted that the schedule forced the survey to be performed prior to vacuum and some water and electrical hookup. Some movement may take place as a result. No alignment was performed on IPM4F06 B and C as they are fixed to the wiggler vacuum chamber.

LOC.	Z	X	Y	ROLL	PITCH	YAW
QX4F04	0.18	-0.09	-0.16	0.000	0.017	0.063
QX4F05	-0.10	-0.12	0.19	0.000	-0.017	0.082
QX4F06	-0.29	0.26	0.01	-0.044	-0.041	-0.044
IPM4F06B		-0.87	-1.79			
WE4F06	-0.15	-0.01	-0.15	0.003	0.001	0.001
IPM4F06C		0.82	-3.35			
QX4F07	0.18	-0.08	0.04	0.021	0.041	-0.020
QX4F08	0.06	-0.10	0.23	0.028	0.017	0.004
QX4F09	-0.02	-0.11	0.25	-0.007	0.006	-0.039
GW4C00	-0.01	0.05	0.10	0.011	0.013	0.016
GW4C00A	-0.10	-0.01	0.03	0.008	0.016	0.003
GW4C00B	-0.14	0.06	0.14	0.005	-0.025	-0.016
GW4C00C	0.03	0.04	0.09	-0.002	-0.004	0.010
ITV4F09		-0.28	-0.40			
IPM4F09		-0.14	-0.41			
QX4F10	0.14	0.06	0.13	0.005	0.013	-0.035
QX4F11	0.10	-0.15	0.16	0.009	0.000	-0.055
QX4F12	-0.07	0.03	0.03	0.005	0.000	0.049