



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** J. Fischer, J. Hogan

**DATE:** 06 Nov 2008

**FROM:** J. Dahlberg

**Checked:**

**#:** F1195

**DETAILS:**

Data: Inspection\Testlab\081105A

Below are the results from the recent flange survey carried out on the FELAES cryomodule. Two sets of XY values are shown. The first set is relative to the four monument piers, and the second set is based on a best fit line between the flanges inside the cryomodule. The two sets of flanges 1, 2, 3, and 12, 13, and 14, are on the outside and were not aligned at this time. A +X is to the left when looking towards the North, a +Z is towards North, and a +Y is up. Values are in millimeters.

FLANGE	Z	X (Rel. to piers)	Y (Rel. to piers)	X (Rel. to flanges)	Y (Rel. to flanges)
1	3346.7	4.70	-3.27	4.61	-3.23
2	2931.4	0.92	-1.37	0.75	-1.33
3	2920.0	-2.32	-1.74	-2.50	-1.70
4	2679.8	-0.23	-0.19	-0.45	-0.15
5	2162.4	0.47	0.31	0.14	0.35
6	1960.1	0.73	0.16	0.36	0.20
7	1445.3	0.61	-0.20	0.14	-0.16
8	1196.3	0.63	-0.29	0.10	-0.25
9	696.3	0.30	-0.21	0.33	-0.17
10	524.0	0.88	-0.24	0.22	-0.20
11	0.0	0.59	0.34	-0.18	0.38
12	-180.5	-4.76	-6.05	-5.56	-6.01
13	-196.3	4.03	-7.18	-4.84	-7.14
14	-325.7	-5.37	-6.72	-6.20	-6.68