



# Jefferson Lab Alignment Group

## Data Transmittal

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**# :** M1066

### DETAILS:

The CHL modified 2 Kelvin cold box flange was surveyed using a level to determine its elevation and flatness. Observations were taken at 48 locations, at the 24 bolt holes and at the approximate midpoint between bolt holes. The survey crew left marks identifying some of the observation points for reference. There are 2 sets of data below. The first set of data shows the elevations, with respect to gravity and the second shows the flatness of the flange in a best fit plane. In the deviations from the plane, a negative number indicates that the point is lower than the best fit plane. Units are millimeters.

Observation Point	Elevation	Deviation From Plane	Observation Point	Elevation	Deviation From Plane
1	1000.10	-0.83	25	1004.81	-0.48
2	999.83	-0.56	26	1005.63	-0.20
3	999.50	-0.39	27	1006.17	-0.16
4	999.43	-0.02	28	1007.17	0.40
5	999.61	0.54	29	1007.90	0.75
6	999.70	0.95	30	1008.39	0.93
7	999.81	1.29	31	1008.75	1.05
8	999.81	1.45	32	1008.88	1.02
9	999.72	1.44	33	1008.91	0.98
10	999.40	1.11	34	1008.68	0.75
11	999.49	1.11	35	1008.66	0.82
12	999.48	0.93	36	1008.52	0.85
13	999.45	0.66	37	1007.83	0.41
14	999.33	0.22	38	1007.37	0.27
15	999.52	0.02	39	1007.09	0.38
16	999.66	-0.29	40	1006.26	0.00
17	999.89	-0.57	41	1005.59	-0.17
18	1000.17	-0.84	42	1004.69	-0.52
19	1000.43	-1.17	43	1003.76	-0.86
20	1000.84	-1.37	44	1002.75	-1.26
21	1001.50	-1.34	45	1002.16	-1.22
22	1002.33	-1.14	46	1001.50	-1.25
23	1003.20	-0.89	47	1001.12	-1.00
24	1003.92	-0.78	48	1000.51	-1.00