



# Jefferson Lab Alignment Group

## Data Transmittal

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**Checked:**

**# :** A1972

**DETAILS:**

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Below are results of the SBS conical beamline inspection. Values are based on best-fit geometry constructed from measured data. Using the dimensional values from drawing JL0092408, XY reference planes were constructed along the Z axis. Cones were then constructed using localized measurements and intersected with the reference plane to construct circles. Since the circles are based on best-fit geometry the shape cannot be inferred. Values are in inches.

	X	Y	Z	Measured Diameter	Ideal Diameter	Delta	CONE RMS
1	0.018	0.002	0.000	3.774	3.790	-0.016	0.017
2	0.019	0.006	3.770	3.973	3.980	-0.007	0.017
3	0.018	0.009	10.140	4.307	4.310	-0.003	0.006
4	-0.003	-0.016	22.140	4.941	4.940	0.001	0.005
5	-0.011	-0.036	28.140	5.234	5.260	-0.026	0.010
6	-0.058	-0.071	33.770	5.563	5.550	0.013	0.005
7	-0.071	-0.071	43.770	6.065	6.080	-0.015	0.007
8	-0.097	-0.101	52.140	6.521	6.510	0.011	0.005
9	-0.100	-0.107	57.770	6.798	6.810	-0.012	0.015
10	-0.112	-0.130	62.140	7.031	7.040	-0.009	0.018
11	-0.096	-0.130	69.770	7.449	7.440	0.009	0.013
12	-0.094	-0.154	77.770	7.856	7.860	-0.004	0.020
13	-0.081	-0.148	84.140	8.200	8.190	0.010	0.021
14	-0.075	-0.157	96.140	8.830	8.820	0.010	0.019
15	-0.070	-0.134	101.770	9.123	9.110	0.013	0.048
16	-0.072	-0.125	104.140	9.252	9.240	0.012	0.048
17	-0.080	-0.114	109.770	9.533	9.530	0.003	0.059
18	-0.051	-0.071	124.140	10.301	10.280	0.021	0.040
19	-0.019	0.010	135.730	10.911	10.890	0.021	0.014

