



# Jefferson Lab Alignment Group

## Data Transmittal

TO: J. Fischer, O. Pastor

DATE: 24 Jan 2014

FROM: Kelly Tremblay

Checked:

# : B1537

**DETAILS:**

data : inspection\hallb\shielding plates\140108A

The shielding plates for the Hall B Torus magnet were measured January 14<sup>th</sup>, 2014. Listed below are the results for back panel A [ref dwg B00000-04-01-1223 revB]. The table's columns below are as follows:

Name – name for the circle / bolt hole measured referenced to the plot at the bottom

dVec – sum of the error found versus design

dRad – difference in the radius found versus design

dX – difference in X coordinate (design – found)

dY – difference in Y coordinate (design – found)

dZ – difference in height (design – found) for points on bent plane.

Units are millimeters. Bend information follows below. Sketch on final page.

Name	dVec	dRad	dX	dY	dh
ci_ba1	0.06	-0.06	-0.05	0.03	
ci_ba2	0.07	-0.04	-0.06	0.03	
ci_ba3	0.09	-0.06	-0.08	0.03	
ci_ba4	0.09	-0.09	-0.08	0.03	
ci_ba5	0.10	-0.09	-0.09	0.04	
ci_ba6	0.10	-0.09	-0.10	0.03	
ci_ba7	0.11	-0.09	-0.11	0.03	
ci_ba8	0.10	-0.09	-0.10	0.02	
ci_ba9	0.09	-0.10	0.06	0.07	
ci_ba10	0.10	-0.11	0.05	0.09	
ci_ba11	0.10	-0.09	0.04	0.09	
ci_ba12	0.12	-0.08	0.06	0.10	
ci_ba13	0.13	-0.08	0.04	0.12	
ci_ba14	0.15	-0.07	0.05	0.14	
ci_ba15	0.13	-0.01	0.03	0.12	
ci_ba16	0.15	-0.13	-0.07	0.14	
ci_ba18*	1.29	-0.04	1.20	0.39	-0.29
ci_ba19*	1.25	-0.54	1.12	0.36	0.43
ci_ba20	0.08	-0.54	-0.07	0.04	
ci_ba21	0.09	-0.53	-0.08	0.05	
ci_ba22	0.10	-0.53	-0.10	0.02	
ci_ba23	0.11	-0.53	-0.11	-0.01	
ci_ba24	0.11	-0.54	-0.11	-0.01	
ci_ba25	0.21	-0.53	-0.18	-0.11	

ci_ba26	0.15	-0.54	-0.09	-0.12
ci_ba27	0.14	-0.53	-0.07	-0.12
ci_ba28	0.13	-0.53	-0.06	-0.11
ci_ba29	0.04	-0.03	-0.04	0.00
ci_ba30	0.08	-0.02	-0.03	0.07
ci_ba31	0.11	-0.03	-0.10	0.05
ci_ba32	0.09	-0.01	-0.08	0.04
ci_ba33	0.09	-0.04	0.03	0.08
ci_ba34	0.09	-0.01	-0.08	-0.05
ci_ba35	0.09	0.00	0.03	-0.08
ci_ba36	0.05	-0.02	0.04	-0.02
ci_ba37	0.06	-0.01	0.03	-0.05
ci_ba38	0.10	0.02	0.00	0.10

The angle formed by the bent and main plane was found to be 58.89 degrees.

The coordinates calculated from where the intersection of the two planes occurred are:

Point	X[mm]	Y[mm]
1	1956.14	225.43
2	1768.43	691.76

Sketch appears on next page.

