



Jefferson Lab Alignment Group

Data Transmittal

TO: S. Mandal

DATE: 05/27/2015

FROM: Chris Gould

Checked:

: B1643

DETAILS:

M:\align\DATA\Inspection\HallB\SVT\Region 1\150424A

Below are the results of the recent Hall B SVT Region 4 inspection. The coordinate system was established using the following: The XY plane was established on the face of the upstream flange. And the origin was established as the center of the constructed circle through the four survey marks. A positive Y is up, a positive X is beam left and a positive Z is downstream. A best effort was made to align the peek ring to the Cu circle. All values are in mm.

	Measured			Ideal			Delta	
	X	Y	Z	X	Y	Z	X	Y
Cu Circle	-0.20	0.03	474.21	0.00	0.00		-0.20	0.03
Peek Circle	-0.20	-0.27	877.38	0.00	0.00		-0.20	-0.27
Cu Pins			Peek Pins			Delta		
	X	Y	Z	X	Y	Z	X	Y
1	-0.20	161.48	474.18	-0.15	160.89	877.27	0.05	-0.59
2	41.55	156.00	474.22	41.56	155.36	877.34	0.01	-0.63
3	80.53	139.85	474.17	80.45	139.33	877.36	-0.09	-0.52
4	113.90	114.16	474.23	114.02	113.83	877.44	0.12	-0.33
6	155.64	41.78	474.16	155.73	41.51	877.37	0.09	-0.27
7	161.13	0.01	474.21	161.15	-0.26	877.42	0.02	-0.26
8	155.64	-41.76	474.21	155.60	-41.88	877.45	-0.04	-0.12
10	113.91	-114.13	474.20	113.69	-114.13	877.36	-0.22	0.00
11	80.48	-139.80	474.21	80.31	-139.74	877.36	-0.17	0.06
12	41.52	-155.94	474.23	41.43	-155.86	877.33	-0.09	0.07
13	-0.23	-161.43	474.25	-0.27	-161.44	877.34	-0.04	-0.01
14	-41.98	-155.92	474.27	-42.03	-156.04	877.30	-0.05	-0.12
15	-80.93	-139.76	474.25	-80.97	-140.02	877.42	-0.03	-0.26
16	-114.33	-114.10	474.25	-114.37	-114.48	877.38	-0.05	-0.37
18	-156.03	-41.75	474.28	-155.98	-42.09	877.44	0.05	-0.34
19	-161.52	0.03	474.26	-161.40	-0.35	877.44	0.13	-0.38
20	-156.04	41.78	474.25	-155.87	41.37	877.45	0.18	-0.41
22	-114.32	114.16	474.21	-114.21	113.62	877.39	0.11	-0.54
23	-80.90	139.82	474.17	-80.81	139.34	877.32	0.08	-0.48
24	-41.94	155.97	474.12	-41.96	155.43	877.36	-0.02	-0.54