



Jefferson Lab Alignment Group

Data Transmittal

TO: S. Mandal

DATE: 05 Mar 2015

FROM: Jacob Walker

Checked:

: B1604

DETAILS:

M:\align\DATA\Inspection\HallB\SVT\150304A

Below are the results of the recent Hall B SVT Region 1 inspection. The coordinate system was established using the following: The XY plane was established on the face of the upstream flange. Roll was controlled by a line between survey marks 2 and 3. And the origin was established as the center of the constructed circle through the three survey marks. A positive Y is up, a positive X is beam left and a positive Z is downstream. All values are in mm.

TRANSFORMED	Measured coordinates				CAD Ideal				Deltas from CAD Ideals		
Name	X	Y	Z		X	Y	Z		DX	DY	DZ
Cu Circle	0.07	0.00	465.09		0.00	0.00			0.07	0.00	
Peek Circle	-0.06	-0.03	867.90		0.00	0.00			-0.06	-0.03	
Peek Pin											
1	0.21	65.20	867.88		0.00	65.40	867.82		0.21	-0.20	0.06
2	38.58	52.68	867.54		38.44	52.91	867.82		0.14	-0.23	-0.28
3	62.23	19.68	867.70		62.20	20.21	867.82		0.03	-0.53	-0.12
5	37.88	-53.03	867.94		38.44	-52.91	867.82		-0.56	-0.12	0.12
6	-0.62	-65.36	868.09		0.00	-65.40	867.82		-0.62	0.04	0.27
8	-62.22	-20.13	868.07		-62.20	-20.21	867.82		-0.02	0.08	0.25
10	-38.28	52.85	867.88		-38.44	52.91	867.82		0.16	-0.06	0.06
Cu pin											
2	38.50	52.85	465.24		38.44	52.91	464.86		0.06	-0.06	0.38
3	62.23	20.12	465.22		62.20	20.21	464.86		0.03	-0.09	0.36
5	38.34	-52.96	465.06		38.44	-52.91	464.86		-0.10	-0.05	0.20
6	-0.17	-65.32	464.99		0.00	-65.40	464.86		-0.17	0.08	0.13
8	-62.08	-20.17	465.00		-62.20	-20.21	464.86		0.12	0.04	0.14
9	-62.07	20.25	465.04		-62.20	20.21	464.86		0.13	0.04	0.18
10	-38.21	52.91	465.04		-38.44	52.91	464.86		0.23	0.00	0.18