

Jefferson Lab Alignment Group

DATA TRANSMITTAL

TO: B. Wojtsekhowski

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FROM: Chris Gould

Checked: # : A758

DETAILS:

Below are the results of the RCS detector inspection carried out on March 21, 2002. The coordinate system is gravity-based with the X origin centered on the upstream and downstream light sources and the Y origin centered on the average of the two scribe marks located on the upstream face of the frame. The values are in millimeters with positive X to the beam left and positive Y up. The intersections created by the lead glass blocks were measured at 27 locations with column and row one starting between the first and second blocks at the top left corner. Ten blocks separate each column and four blocks separate each row with the exception of row 8 and 9, which is two.

Column	Row	X	Y
1	1	409.50	608.33
	2	409.69	446.44
	3	409.59	285.74
	4	409.56	123.91
	5	409.21	-38.36
	6	408.74	-199.90
	7	408.44	-361.87
	8	408.00	-523.96
	9	408.29	-604.85
2	1	7.19	608.67
	2	7.12	447.17
	3	6.99	285.56
	4	6.68	123.93
	5	6.73	-37.95
	6	6.05	-199.69
	7	5.97	-361.86
	8	5.24	-523.52
	9	5.22	-604.78
3	1	-395.41	608.56
	2	-395.75	447.25
	3	-395.84	286.51
	4	-396.49	124.97
	5	-396.53	-36.63
	6	-396.70	-198.72
	7	-396.85	-360.52
	8	-397.12	-522.49
	9	-397.35	-603.86

The angle of the lead glass to the Z axis is 89.38 degrees counterclockwise viewed from above.