



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** Tim Whitlatch and Brian Carpenter

**DATE :** Oct 3, 2002

**FROM:** Richard Schwartz

**Checked:**

**#** DT\_Z819

### DETAILS:

The following are the results of the SNS space frame 02 re-inspection performed the week of October 1<sup>st</sup>, 2002. A right hand coordinate system was established with the central axis running through the average outer diameters of the six support rings. Ring one is upstream and ring six is downstream. An average plane through the top two tubes controls roll. Positive X is to the beam left and positive Y is up. Positive Z runs downstream with Z=0 as the average of the four upstream tubes. Values are in inches.

Drawing Number	Description	Drawing Value	Measured Value
CRM9005000-0002	Lockdown location-Upstream R1	120.79"	120.70"
CRM9005000-0002	Lockdown location- Upstream R1	0°	-0.18°
CRM9005000-0002	Lockdown location- Upstream R1 BR	120.79"	120.75"
CRM9005000-0002	Lockdown location- Upstream R1 BR	-120°	-119.59°
CRM9005000-0002	Lockdown location- Upstream R1 BL	120.79"	120.80"
CRM9005000-0002	Lockdown location- Upstream R1 BL	120°	120.02°
CRM9005000-0002	Lockdown location- R2	99.28"	99.22"
CRM9005000-0002	Lockdown location- R2	0°	-0.19°
CRM9005000-0002	Lockdown location- R2 BR	99.28"	Obstructed
CRM9005000-0002	Lockdown location- R2 BR	-120°	
CRM9005000-0002	Lockdown location- R2 BL	99.28"	99.14"
CRM9005000-0002	Lockdown location- R2 BL	120°	120.15°
CRM9005000-0002	Lockdown location- R3	70.35"	70.25"
CRM9005000-0002	Lockdown location- R3	0°	-0.31°
CRM9005000-0002	Lockdown location- R3 BR	70.35"	70.41"
CRM9005000-0002	Lockdown location- R3 BR	-120°	-120.00°
CRM9005000-0002	Lockdown location- R3 BL	70.35"	70.34"
CRM9005000-0002	Lockdown location- R3 BL	120°	120.16°

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Drawing Number	Description	Drawing Value	Measured Value
CRM9005000-0002	Lockdown location- R4	50.13"	50.08"
CRM9005000-0002	Lockdown location- R4	0°	-0.26°
CRM9005000-0002	Lockdown location- R4 BR	50.13"	50.13"
CRM9005000-0002	Lockdown location- R4 BR	-120°	-119.97°
CRM9005000-0002	Lockdown location- R4 BL	50.13"	49.98"
CRM9005000-0002	Lockdown location- R4 BL	120°	120.07°
CRM9005000-0002	Lockdown location- R5	25.13"	25.12"
CRM9005000-0002	Lockdown location- R5	0°	-0.08°
CRM9005000-0002	Lockdown location- R5 BR	25.13"	Obstructed
CRM9005000-0002	Lockdown location- R5 BR	-120°	
CRM9005000-0002	Lockdown location- R5 BL	25.13"	25.07"
CRM9005000-0002	Lockdown location- R5 BL	120°	120.07°
CRM9005000-0002	Lockdown location-Downstream R6	3.63"	3.67"
CRM9005000-0002	Lockdown location-Downstream R6	0°	0.07°
CRM9005000-0002	Lockdown location-Downstream R6 BR	3.63"	3.63"
CRM9005000-0002	Lockdown location-Downstream R6 BR	-120°	-119.69°
CRM9005000-0002	Lockdown location-Downstream R6 BL	3.63"	3.62"
CRM9005000-0002	Lockdown location-Downstream R6 BL	120°	119.54°

