



Jefferson Lab Alignment Group

Data Transmittal

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Checked: (cjc)

: L1224

DETAILS:

data: inspection\slnc\sl07 inspection heights\090402a

Show below are the elevations on top of the connecting flange valves (see picture) for the u-tubes near SL07. The reference elevation is the ideal beam height (100 meters) in the linacs. The elevations for the valve observations are $\frac{3}{4}$ of an inch below the flange connecting the u-tubes. The delta values are the differences between the transfer line side observation at SL07 and the other valve observations.

The observations labeled SL## PIPE were taken approximately 2 meters upstream of the u-tube valves, on top of the large transfer pipe. The pipe deltas are the differences between the observations at SL07 and the 2 upstream and 2 downstream observations.

Units are millimeters.

Location	Elevation (mm)	Delta Valves (mm)	Pipe Delta (mm)
SL09 TRANSFER LINE SIDE VALVE	561	14	
SL09 CRYO LINE SIDE VALVE	564	17	
SL09 PIPE	-287		15

SL08 TRANSFER LINE SIDE VALVE	551	5	
SL08 CRYO LINE SIDE VALVE	562	16	
SL08 PIPE	-310		-8
SL08 PIPE 2ND SPOT US	-311		-9

SL07 TRANSFER LINE SIDE VALVE	546	0	
SL07 CRYO LINE SIDE VALVE	565	19	
SL07 PIPE	-302		0

SL06 TRANSFER LINE SIDE VALVE	564	18	
SL06 CRYO LINE SIDE VALVE	565	19	
SL06 PIPE	-295		8

SL05 CRYO LINE SIDE VALVE	561	15	
SL05 PIPE	-296		6

