



Jefferson Lab Alignment Group

Data Transmittal

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Checked:

: F1784

DETAILS:

Data: Step2B\INJGTS\170413a

Below are the results from the recent survey of the GTS carried out in the LERF test cave. A +X is to the beam left from ideal, a +Y is above, and a +Z is downstream from the gun center top flange. Note that the upstream SOL 0 coordinate is a constructed point from the downstream center normal to the downstream face. The length of SOL 0 was measured at 160 mm. Values are in millimeters.

LOCATION	X	Y	Z
US SOL 0	-0.41	0.31	193.22 (constructed)
DS SOL 0	-0.23	0.27	353.22 (from Mar 29 survey)
US Diff. pump 1	-0.74	1.20	2725.42
DS Diff. pump 1	-0.63	1.83	2950.59
US Diff. pump 2	-2.22	-0.03	3259.55
DS Diff. pump 2	-0.77	-0.32	3503.44
US Wire scanner	-0.18	0.14	3750.54
DS Wire scanner	0.41	0.44	3994.97
US Dump	-0.32	0.12	4232.91

The wire scanner assembly is rotated 0.404 degrees clockwise as you look downstream.