



Jefferson Lab Alignment Group

Data Transmittal

TO: T. Whitlatch

DATE: 28 Oct 2016

FROM: J. Dahlberg

Checked: JMW

: D1746

DETAILS:

Data: Step2B\HallD\Target\160928A; Step2B\HallD\160926A

Below are the results from the recent Hall D target assembly and Comp Cal surveys. Mech coordinates are in meters. The as-set Z locations of the downstream ends are calculated based on measurements prior to inserting the cart into the solenoid. A + roll angle (in degrees), is clockwise looking from upstream, a + pitch angle is ccw looking from the beam right, and a + yaw angle is ccw looking from above.

LOCATION	Z	X	Y	YAW	PITCH	ROLL
TGT ideal	398.78983	80.60000	104.70000	0.0000	0.0000	0.0000
TGT set	398.78984	80.60009	104.70015	0.0057	0.0037	-0.0152
TGT set ds end	398.93759					
SCAT ideal	398.78983	80.60000	104.70000	0.0000	0.0000	0.0000
SCAT set	398.78738	80.60095	104.70174	0.0914	0.0796	-0.0155
SCAT DS set	398.98401					
STRTCNT ideal	398.78983	80.60000	104.70000	0.0000	0.0000	0.0000
STRTCNT set	398.78751	80.60094	104.70116	0.1106	0.0086	-0.0155
STRTCNT DS set	399.11131					
COMP CAL Set	406.90	80.6002	104.7000	0.0095	0.0040	level vial