

Jefferson Lab Alignment Group

DATA TRANSMITTAL

TO: Dave Kashy / Pete Hemler

DATE: July 10, 2000

FROM: Kelly Tremblay

Checked: # : B614

DETAILS:

A level run was carried out on July 7th, 2000 to check the Hall B upstream beampipe and cart rail elevations. The precision for this survey is approximately ± 1.0 millimeters, with the results being presented to 0.1 mm. The rail corners relative to the beamline elevation (in meters) were as follows :

Beam Right Upstream	2.1688 meters lower than beamline
Beam Right Downstream	2.1706 meters lower than beamline
Beam Left Upstream	2.1682 meters lower than beamline
Beam Left Downstream	2.1700 meters lower than beamline

The beampipe was checked at 2 locations with a observation taken at the top of the 2.5 inch beampipe. The deltas, corrected for 1/2 beam diameter to compare to the beamline center along with an approximate description of their locations are as follows (in millimeters):

Downstream end of tagger magnet	0.1 mm high
At the downstream limit of the rails	1.1 mm high

The accompanying spreadsheet has the details of the observations.