

Jefferson Lab Alignment Group

DATA TRANSMITTAL

TO: Arne Freyberger, David Kasky

DATE: July 20, 2000

FROM: Jim Dahlberg

Checked:

: B620

DETAILS:

On June 08,2000, a survey was carried out to determine the vertical relationship between the BPM box (IPM2C24), and the Hall B mini torus docking point. Given that the BPM box could not be opened up to measure, the monuments used during the most recent survey were used as a point of reference. In addition, the monuments which are used in the Hall to align the target and mini torus were tied in. From the results, an offset of 1.2 mm between the BSY and Hall B monuments was found. Although there is not sufficient data to determine the basis for this offset, it may be due to settlement over the past three years, (last complete survey performed July 1997). Based on the BSY monuments, the docking point is 0.1 mm high. Based on the Hall B monuments, the docking point is 1.1 mm low. The BPM box was set 0.1 mm low according to the last survey, i.e. the docking point is 0.2 mm higher than the BPM box.