

# ***Jefferson Lab Alignment Group***

## **DATA TRANSMITTAL**

**TO:** Andrew Hutton

**DATE:** 18 Jan 2000

**FROM:** Jim Dahlberg

**Checked:** # : 569

### **DETAILS:**

As requested, an investigation into the position of the upstream super harp located at 3C12 was performed. The most recent as-found survey performed on Nov. 22, 1999 showed the super harp cross to be 2.5 mm low. No action to correct this offset was done for the following reasons. The radius of the harp cross is 19.05 mm and the radius of the beam pipe upstream and downstream from the harp is 12.70 mm. Therefore, even with an offset of 2.5 mm, the beam pipe on either side is still the limiting aperture. In addition, there is no adjustment mechanism on the super harp. If in the future alignment were thought necessary, the harp would have to be shimmed up with a spacer because of the lack of adjustment available.