

# ***Jefferson Lab Alignment Group***

## **DATA TRANSMITTAL**

**TO:** Tim Whitlatch, Brian Carpenter

**DATE:** April 9, 2002

**FROM:** Ken Baggett

**Checked:** # : Z755

### **DETAILS:**

Below are the results from the 12Gev Space Frame 2 re-inspection performed during the week of April 4 – 5, 2002. The angle defined by each set of slots is relative to a vertical axis perpendicular to the two top tubes which the slots are cut into, (used to set the roll of coordinate system). All values are in degrees. Slot set 1 is upstream and slot set 16 is downstream. The “2 Slots” angles are defined by the top slot and bottom slot of the specified tube. The “Small Slot and Tube” angles are defined by the smaller of the two slots on the tube and the tube centerline.

| <b><u>Slot Set</u></b> | <b><u>Measured Slot Loc</u></b> | <b><u>2 Slots</u></b> | <b><u>Small Slot and Tube</u></b> |
|------------------------|---------------------------------|-----------------------|-----------------------------------|
| 1                      | Top Beam Right                  | 25.864                | 25.132                            |
| 2                      | Top Beam Right                  | 25.271                | 25.699                            |
| 6                      | Top Beam Left                   | 24.573                | 25.659                            |
| 7                      | Top Beam Left                   | 24.354                | 26.200                            |
| 7                      | Bottom Beam Right               | 25.553                | 26.174                            |
| 8                      | Top Beam Right                  | 25.537                | 26.156                            |
| 11                     | Bottom Beam Right               | 24.425                | 25.442                            |
| 15                     | Bottom Beam Left                | 25.351                | 25.595                            |

