

Jefferson Lab Alignment Group

DATA TRANSMITTAL

TO: Tim Whitlatch, Brian Carpenter

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FROM: Jim Dahlberg

Checked: # : DT_689

DETAILS:

Below are the results from the SNS space frame inspection performed during the week of Aug 1st, 2001. 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). Included are two graphs that show the "straightness" of each tube. Note that when viewed separately, each of the five sections are somewhat linear. Also, the large horizontal difference between the top and bottom sets of tubes at the 4 - 5 intersection indicate a twist at that connection.

5th SET OF SLOTS (from upstream end)

Top beam left	24.807 deg.
Bottom beam left	20.951 deg.
Top beam right	28.050 deg.
Bottom beam right	29.792 deg.

13th SET OF SLOTS (from upstream end)

Top beam left	27.234 deg.
Bottom beam left	28.739 deg.
Top beam right	26.326 deg.
Bottom beam right	24.055 deg.