

Jefferson Lab Alignment Group

DATA TRANSMITTAL

TO: Tim Whitlatch, Brian Carpenter

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FROM: Chris Gould

Checked: # : Z717

DETAILS:

Below are the results from the 12Gev Space Frame 2 inspection performed during the week of Oct. 29th, 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). All values are in degrees. Slot set 1 is upstream and slot set 16 is downstream. Included are two graphs that show the "straightness" of each tube.

<u>Slot Set</u>	<u>Top Beam Right</u>	<u>Bottom Beam Right</u>	<u>Top Beam Left</u>	<u>Bottom Beam Left</u>
1	25.932	26.699	28.143	29.059
2	25.405	26.533	28.341	27.426
3	26.202	25.979	28.385	27.682
4	27.534	27.551	26.335	26.114
5	27.653	27.563	26.697	27.515
6	27.343	26.773	24.570	26.461
7	26.692	25.717	24.314	26.549
8	25.267	26.306	27.863	27.030
9	26.272	27.265	29.275	27.104
10	27.259	26.459	27.855	27.335
11	26.619	24.654	27.676	27.923
12	27.290	26.160	28.072	26.593
13	27.514	25.986	27.941	27.012
14	27.930	25.952	27.471	24.114
15	27.954	29.078	27.003	25.251
16	28.228	27.464	27.236	26.522