

# ***Jefferson Lab Alignment Group***

## **DATA TRANSMITTAL**

**TO:** K. Macha, J. Fischer

**DATE:** July 15, 2002

**FROM:** Chris Gould

**Checked:** # : Z792

### **DETAILS:**

Below are the results of the 12 GeV cavity side-mount fixture inspection performed July 10, 2002. A right-hand coordinate system was established using the cryomodule construction rails to define the ZX plane. The Z axis is defined by bisecting the two rails. Y = 0 is defined by the average center of the rails. Positive X is to the beam left positive Y is up. The roll angle is counterclockwise from the +Y axis looking downstream rotating about Z. The yaw angle is counterclockwise from the +X axis normal to the lollipop face rotating about Y. Values are in millimeters and decimal degrees.

<b>Side-mount Fix.</b>	<b>X</b>	<b>Y</b>	<b>Roll Angle</b>	<b>Yaw Angle</b>
1	-0.07	641.45	89.70	90.37
2	-0.71	641.44	89.61	89.95
3	-0.15	641.28	89.94	90.48
4	-0.11	641.28	89.87	89.71
5	0.06	641.30	89.68	90.85
6	-0.09	640.84	89.92	89.92
7	-0.46	641.94	89.45	89.94

