

# ***Jefferson Lab Alignment Group***

## **DATA TRANSMITTAL**

**TO:** Philip Roos

**DATE:** May 23, 2002

**FROM:** James Dahlberg

**Checked:** # : C774

### **DETAILS:**

Below are the results of the Hall C G0 octant alignment performed during the week of March 18, 2002. The coordinates indicate the offset (in millimeters), from ideal position relative to the Ferris wheel centerline. These values are not the final position relative to beam centerline which is yet to be determined after the FW is in its final position. The values are in a right handed coordinate system with +Z being downstream, +X to the beam right, and + Y high.

OCTANT		Z	X	Y
0°	American (top)	0.02	0.05	-0.35
45°	French	-0.05	0.49	-2.08
90°	American (beam right)	-0.06	-0.78	1.01
135°	French	0.29	0.13	0.12
180°	American (bottom)	-0.10	0.01	0.77
225°	French	0.16	-0.87	0.21
270°	American (beam left)	0.02	0.15	0.77
315°	French	0.08	0.19	-1.84