

# ***Jefferson Lab Alignment Group***

## **DATA TRANSMITTAL**

**TO:** Tim Whitlach, Brian Carpenter

**DATE:** Jan 29, 2002

**FROM:** Jim Dahlberg

**Checked:** # : Z735

### **DETAILS:**

Below are the results of the 12 GEV cryomodule end cap survey performed on Jan 25, 2002. Both of the end caps measured were for the supply end. Refer to drawing #115310-1001E to associate the dimensions below with the component. The values are in inches and decimal degrees.

LOCATION	MEASURED	DESIGN	DIFF.
<b>END CAP SN1</b>			
D1 Upst	15.83	15.73	+0.10
D1 Dnst	15.75	15.73	+0.02
D2	12.04	12.00	+0.04
D3	2.72	2.53	+0.19
D4 Upst	26.99	27.00	- 0.01
D4 Dnst	26.83	27.00	- 0.17
D5 Top	24.69	23.70	+0.99
D5 Dnst	24.73	23.70	+1.03
D5 Bot	24.70	23.70	+1.00

Other measurements not on drawing:

Upst "bayonet" pitch	89.677° (top farther downstream)
roll	89.286° (top farther to beam left)
Dnst "bayonet" pitch	89.199° (top farther downstream)
roll	89.688° (top farther to beam left)

<b>END CAP SN2</b>			
D1 Upst	15.61	15.73	-0.12
D1 Dnst	15.66	15.73	-0.07
D2	12.10	12.00	+0.10
D3	2.65	2.53	+0.12
D4 Upst	27.21	27.00	+0.21
D4 Dnst	26.95	27.00	- 0.05
D5 Top	24.67	23.70	+0.97
D5 Dnst	24.67	23.70	+0.97
D5 Bot	24.61	23.70	+0.91

Other measurements not on drawing:

Upst "bayonet" pitch	89.150° (top farther downstream)
roll	89.532° (top farther to beam left)
Dnst "bayonet" pitch	88.866° (top farther downstream)
roll	89.849° (top farther to beam left)