

Jefferson Lab Alignment Group

DATA TRANSMITTAL

TO: Steve Lassiter

DATE: Oct. 15th, 2001

FROM: Jim Dahlberg

Checked: # : C710

DETAILS:

Below are the results of the G0 octant survey performed on Oct. 12th 2001. The values reflect the amount of shim necessary to add or subtract from each support to set the octants in a common plane parallel to the ferris wheel center hub flanges. A positive value indicates a need to shift downstream, (add shim), and a negative value indicates a need to shift upstream, (take shim out). The values are based on the ideal separation between the downstream face of the ferris wheel flange and the octants. Looking upstream, the octants are labeled #1 through #8 counter clockwise with #1 at the top position of the ferris wheel. The octant support locations are also labeled in a counter clockwise manner with A at the center hub, and B, C on the outside perimeter. Note that only the locations in **bold** print require adjustment.

| SUPPORT LOCATION | SHIM PACK (inches) | SUPPORT LOCATION | SHIM PACK (inches) |
|------------------|--------------------|------------------|--------------------|
| 1A | +0.001 | 5A | +0.015 |
| 1B | -0.003 | 5B | +0.089 |
| 1C | -0.080 | 5C | +0.017 |
| 2A | -0.012 | 6A | +0.007 |
| 2B | +0.015 | 6B | +0.004 |
| 2C | -0.044 | 6C | +0.222 |
| 3A | -0.007 | 7A | -0.006 |
| 3B | +0.004 | 7B | -0.028 |
| 3C | +0.062 | 7C | +0.013 |
| 4A | -0.012 | 8A | -0.040 |
| 4B | -0.063 | 8B | -0.040 |
| 4C | +0.106 | 8C | +0.015 |