



Jefferson Lab Alignment Group

Data Transmittal

TO: M. Marchlik

DATE: 11 Oct 2019

FROM: Chris Gould

Checked:

: F1942

DETAILS:

M:\align\DATA\LCLSII\LERF\191010A

Below are the results of the recent LCLSII bellows and Cryo Can flange inspections carried out at the LERF. Measurements were taken on the O-ring side of the bellows and on the mating surface of the Cryo Can. The Cryo Can OD measurement is to the small raised ring adjacent to the mating surface. Clocking of the Cryo Can coordinate system is controlled by the 6.5" flange located at the top of the vessel. The clocking for the bellows is controlled by the flange labeled "Top". For all three components, positive Z is towards the Cryo Can vacuum vessel. Values are in inches.

	FLATNESS	ID	OD	Circularity
BELLOWS A	0.036	42.717		0.024
BELLOWS B	0.022	42.647		0.048
CRYO CAN	0.079		42.568	0.040



