

Jefferson Lab Alignment Group

DATA TRANSMITTAL

TO: Butch Dillon-Townes; Mike Bevins; Norm Vaughan **DATE:** August 7, 2002

FROM: Kelly Tremblay

Checked: # : F801

DETAILS:

The Z / X location (in meters) of the flange edges upstream and downstream of cryomodule CA0F01 in the FEL are displayed below. These locations are relative to the as-set position of the tooling balls located on CA0F01, and were not directly measured using survey monuments or instruments other than a tape.

US- is short for upstream edge, while DS- is short for downstream edge.

<u>Description</u>	<u>Z (meters)</u>	<u>X (meters)</u>
DS-Flange in Gun	89.911	22.752
Gun Frame Edge	89.893	22.746
Space between flanges here		
Most US-FLANGE	89.317	22.536
Center VP0F01A VIIE (138mm long)	89.206	22.496
Center MFF0F02 (150mm long)	88.892	22.381
Center ITV0F02	88.723	22.320
US-Flange Edge valve	88.661	22.297
US-Valve	88.649	22.292
Ds-Valve	88.615	22.281
DS-Flange Edge valve	88.603	22.276
Tooling ball CR0F01E (not exactly on centerline)	88.3915	22.2039
Tooling ball CR0F01B (not exactly on centerline)	86.6154	21.5559
DS-Edge CR0F01	86.404	21.476
US-Flange Cryo cap	86.366	21.462
DS-Flange Cryo cap / US-Flange mate	86.353	21.457
DS-Flange mate	86.341	21.453
US-Pump Edge	86.338	21.452
DS-Pump Edge	86.289	21.434
US-Flange valve	86.272	21.427
US-Valve Edge	86.259	21.423
DS-Valve Edge	86.226	21.411
DS-Flange Edge	86.213	21.406