



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** K. Surles-Law

**DATE:** 12 Feb 2010

**FROM:** Chris Curtis

**Checked:**

**# :** L1263

**DETAILS:**

Data: Step2B\ INJ\ 090727a

Below are the results from the July 27, 2009 as-found survey of the inverted gun in the injector. Coordinates are in the meters with 0, 0 at the center of the accelerator. The line through the gun flanges (GunUs and GunDs) forms an angle of 14.927 degrees with the north linac beamline. Offsets from this line are listed in millimeters, with a positive value to the beam left. The point at which this line intersects with the main beamline has been derived (INT PT). Distances from this point are also given.

Target	Z (m)	X (m)	Offset (mm)	Dist from INT (m)
GUNUS	-263.2785	81.1284	0.0	2.051
GUNDS	-262.8364	81.0106	--	1.594
GUNTOP	-263.0167	81.0586	--	--
PFLGUS	-262.6866	80.9708	+0.2	1.439
SOLUS	-262.2327	80.8507	+1.0	0.969
SOLDS	-262.1893	80.8393	+1.2	0.924
PFLGDS	-261.7869	80.7332	+2.3	0.508
INT PT	-261.2963	80.6000	--	