



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** B. Zihlman, T. Whitlatch

**DATE:** 05 Nov 2019

**FROM:** Kelly Tremblay

**Checked:** LEB

**# :** D1945

**DETAILS:**

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Targets were placed on the Hall D Forward Time of Flight (FTOF) detectors and located on November 4<sup>th</sup>, 2019

The target coordinates (millimeters) are relative to the FTOF center (0,0,0) established earlier this year (September 2019). Positive x is to the beam left from zero position looking downstream; Negative y is the amount lower than zero; negative z is amount upstream from the zero position. Accuracy for this survey is approximately in the millimeter range. Units shown are millimeters.

Additionally, the center of the opening window is shown.

| Target    | X [mm] | Y [mm] | Z [mm] |
|-----------|--------|--------|--------|
| T1        | 7.6    | 145.7  | -65.7  |
| T2        | 820.9  | 147.9  | -65.3  |
| T3        | -805.3 | 146.2  | -65.5  |
| T4        | 1.2    | 843.3  | -62.9  |
| T5        | 811.9  | 845.5  | -64.3  |
| T6        | -813.0 | 845.2  | -63.7  |
| T7        | 4.8    | -162.4 | -65.9  |
| T8        | 818.5  | -158.2 | -64.5  |
| T9        | -809.0 | -158.9 | -65.7  |
| T10       | 9.3    | -857.5 | -65.5  |
| T11       | 822.1  | -856.5 | -63.4  |
| T12       | -804.5 | -855.2 | -66.4  |
|           |        |        |        |
| CI Window | 0.9    | -5.1   | -28.9  |