



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** D. Gaskell

**DATE:** 12/10/2019

**FROM:** Kelly Tremblay

**Checked:** LEB

**# :** A1957

**DETAILS:**

data: step2b\bsy\1c\_12\191122a

Components in the Hall A Compton region were surveyed November 22<sup>nd</sup>, 2019. The table below show the as set locations for the listed components. The offsets from the beam in the beam following system plus the horizontal distance (s) from the target (hall center, not Apex target) are also shown.

US\_ is the upstream end and DS\_ is the downstream end for the components. APRTR\_A and \_B are the aperture locations.

The coordinates s,x,y,z are in meters and are in the CEBAF coordinate system. dx/dy are in a local beam following system in millimeters. A positive dx is to the left of designed beam; a positive dy is above the designed beam.

| As Set Result |        |           |          |            |            |            |
|---------------|--------|-----------|----------|------------|------------|------------|
| Target        | S[m]   | X[m]      | Y[m]     | Z[m]       | dx bfs[mm] | dy bfs[mm] |
| US_IPM1P02A   | 34.395 | -53.89650 | 99.80650 | -365.74363 | -0.26      | 0.00       |
| DS_IPM1P02A   | 34.213 | -53.78660 | 99.80675 | -365.88900 | 1.04       | 0.25       |
| US_APRTR_A    | 34.112 | -53.72559 | 99.80652 | -365.96905 | 1.37       | 0.02       |
| DS_APRTR_A    | 34.024 | -53.67234 | 99.80758 | -366.03897 | 1.69       | 1.08       |
| US_APRTR_B    | 33.127 | -53.12489 | 99.80665 | -366.75022 | 0.35       | 0.15       |
| DS_APRTR_B    | 33.046 | -53.07581 | 99.80593 | -366.81401 | 0.25       | -0.57      |
| US_IPM1P02B   | 32.941 | -53.01123 | 99.80718 | -366.89695 | -0.49      | 0.68       |
| DS_IPM1P02B   | 32.732 | -52.88325 | 99.80624 | -367.06236 | -1.33      | -0.26      |