



## Jefferson Lab Alignment Group Data Transmittal

**TO:** C. Munoz Czmacho

**DATE:** 02 Sep 2010

**FROM:** J. Dahlberg

**Checked:**

**# :** A1315

**DETAILS:**

Data: Fiducial\HallA\DVCS\100831a

Attached is a spreadsheet listing the upstream face coordinates of each of the crystals in the Hall A DVCS crystal array. A right handed coordinate system was established with the X and Y origin centered on the average horizontal and vertical position of all crystals and then shifted to the beam left so that the 5<sup>th</sup> and 6<sup>th</sup> stack from the left side are centered horizontally on beam as per drawing # A-01-14-0900. The Z origin is centered on an average of 39 randomly selected points on the upstream face of the crystal array. These points are also listed in the attached spreadsheet. A +X is to the beam left, a +Z is downstream, and +Y is up. Note that there are 2 crystals which had poor circle fits; this is possibly due to bad probe tip registration where the stem was up against the edge rather than the tip. These points are highlighted in bold face.

Spreadsheet: [DVCS](#)