# - 3 Ma <br> Jefferson Lab Alignment Group Data Transmittal 

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Checked:
\# : L1533

## DETAILS:

The West Arc SLM was surveyed January $9^{\text {th }}, 2014$. The following data shows the ideal coordinates for the upstream [MXPAA30] and downstream [MQPAA30] components in the JLAB coordinate system. Additionally the found and ideal SLM tube entrance, SLM tube exit and downstream flange coordinates are shown in the JLAB system. Additionally the SLM found and ideal locations are shown in a beam following system with the origin at the tube entrance.

Finally the ideal angle from the entrance to exit of the tube relative to the straight ahead beam is given along with the found angle and pitch for the entrance and exit.


| TubeDn | 8.271 | 3.801 | 346.063 |  |
| :---: | :---: | :---: | :---: | :---: |
| EndFlg | -5.151 | 4.164 | 479.892 |  |
| Ideal Beam Following Coordinates |  |  |  |  |
|  | x [mm] | Y [mm] | z [mm] |  |
| TubeUp | 0.000 | 0.000 | 0.000 |  |
| TubeDn | 12.805 | 0.000 | 376.534 |  |
| EndFlg | 0.000 | 0.000 | 498.375 |  |
|  |  |  |  |  |
| ideal angle from beam entrance to exit of tube |  |  |  | 1.94778 |
| found angle |  |  |  | 1.3092 |
| found pitch |  |  |  | 0.39862 |

