



Jefferson Lab Alignment Group

Data Transmittal

TO: T. Whitlatch

DATE: 04 Feb 2016

FROM: J. Dahlberg

Checked:

: D1694

DETAILS:

Data: 2b\HallID\150904b, TriplePolor\160129a, Tagger\150908b

Below are the most recent surveys carried out in Sept 2015 on the tagger and collimator cave components along with the polorimeter survey in Jan 2016. Values are in Meters and Degrees. A + yaw is ccw looking from above, a + pitch is ccw looking from the beam right, and a + roll is cw looking from upstream.

MQPAD00 QUAD

Mechanical 300.16470 80.60000 104.70000 (ideal)
Mechanical 300.16491 80.60002 104.69962 (found)
Yaw Pitch Roll 0.01003 0.02636 -0.01003 (found)

TAG GONIOMETER

Mechanical 299.09267 80.60000 104.70000 (ideal)
Mechanical 299.09240 80.60003 104.69952 (found)
Yaw Pitch Roll 0.04011 0.02034 -0.00372 (found)

TAG RADIATOR

Mechanical 299.71430 80.60000 104.70000 (ideal)
Mechanical 299.71413 80.60026 104.69953 (found)
Yaw Pitch Roll -0.13780 -0.00888 0.00888 (found)

TAG PERMANENT MAGNET SWEEPER

Mechanical 313.18330 80.60000 104.67720 (ideal)
Mechanical 313.18343 80.60017 104.67685 (found)
Yaw Pitch Roll -0.00172 0.00315 0.00659 (found)

MCOAD01 COLLIMATOR

Mechanical 374.48533 80.60000 104.70000 (ideal)
Mechanical 374.48534 80.65170 104.69964 (found)
Yaw Pitch Roll -0.02206 0.02177 0.03638 (found)

MCOAD02 COLLIMATOR

Mechanical 380.37280 80.60000 104.70000 (ideal)
Mechanical 380.37258 80.60037 104.69969 (found)
Yaw Pitch Roll 0.04956 -0.00458 -0.00487 (found)

MSWAD01 PERMANENT MAGNET SWEEPER

Mechanical 376.78403 80.60000 104.70000 (ideal)
Mechanical 376.78388 80.60035 104.69957 (found)
Yaw Pitch Roll -0.00029 0.00430 0.00659 (found)

HD POLORIMETER

Mechanical 383.06241 80.60000 104.70000 (ideal)
Mechanical 383.06255 80.60001 104.69965 (found)
Yaw Pitch Roll 0.01490 0.00029 0.01518 (found)