



Jefferson Lab Alignment Group

Data Transmittal

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DATE: 06 Sep 2012

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Checked: SEH

: C1479

DETAILS:

data: step2b\hallc\qweak\qweakpostrun, qweakprerun
Fiduc\hallc\qweak\120824a

Below are the results from the re-calculated Nov 02nd 2011 pre run and June 21st 2012 post run surveys carried out on the Qweak target assembly. Values are calculated from the as-set pre run position and the as-found post run position when surveyed on the pivot with the updated fiducial data measured on the floor incorporated back into the surveys. The Z values are based on an ideal location of 606.36 centimeters downstream of the Hall C pivot point. A -Z is upstream from ideal, a +X is to the beam left, and a -Y is below.

NOV 02 2011 SURVEY

TARGET	Z	X	Y
H tgt upst face	-203.29	-0.10	1.63
H tgt dnst face	141.79	0.20	-2.73
Opt 3 dnst face	139.68	-0.05	-2.27
Opt 5 dnst face	137.40	0.95	-2.78
Opt 8 upst face	-208.61	0.13	0.17
Opt 9 upst face	-208.51	-0.04	0.37
Opt 13 upst face	-209.32	0.09	-0.07
Opt 14 upst face	-209.03	0.04	0.18
Opt 15 upst face	-208.99	-0.12	0.32

JUNE 21 2012 SURVEY

TARGET	Z	X	Y
H tgt upst face	-203.70	-1.48	1.20
H tgt dnst face	141.36	-1.13	-3.85
Opt 3 dnst face	138.70	0.19	-3.94
Opt 5 dnst face	136.32	0.28	-3.98
Opt 8 upst face	-209.80	-0.33	-3.54
Opt 9 upst face	-209.71	0.01	-3.64
Opt 13 upst face	-210.47	0.56	-3.34
Opt 14 upst face	-210.30	0.08	-3.64
Opt 15 upst face	-210.35	0.34	-3.47