



Jefferson Lab Alignment Group

Data Transmittal

TO: M. Bevins

DATE: 17 Jul 2013

FROM: Kelly Tremblay

Checked:

: L1516

DETAILS:

data: step2b\nwcr\or\130715c

Magnet MBF4D01 was surveyed on July 15, 2013. The magnet center information plus 2 beam pipe locations are shown below. The as-found coordinates shown are based on the mechanical CEBAF system.

The beam following coordinates are the deltas from the ideal coordinates and are shown in millimeters. A +X is to the beam left, a +Y is up and a +Z is downstream. Angular components for yaw, pitch and roll are shown in degrees. A positive yaw is counter clockwise about the Y axis, and a positive pitch is counter clockwise using the X axis and positive roll is clockwise about the Z axis.

Name	As-Found (M)			bfs (mm)			Angular deltas (deg)		
	x	y	z	dx	dy	dz	d yaw	d pitch	d roll
MBF4D01	80.58908	100.00006	-214.45286	0.063	0.062	0.131	-0.0006	0.0390	0.0066

Name	As-Found (M)			bfs (mm)	
	x	y	z	dx	dy
BP-US	80.59998	100.00009	-214.72593	-0.02	0.09
BP-DS	80.47910	100.00103	-214.17776	5.72	1.03
IPM0L07_US	80.60015	100.00044	-214.17763	0.15	0.44
IPM0L07_DS	80.60012	100.00017	-213.99718	0.12	0.17
MQB0L07_HARP_US	80.60004	99.99914	-213.66412	0.04	-0.86
MQB0L07_HARP_DS	80.59995	99.99918	-213.55317	-0.05	-0.82
MQD0L08_US	80.60058	99.99912	-213.13827	0.58	-0.88
MQD0L08_HARP_US	80.60004	99.99978	-212.60177	0.04	-0.22
MQD0L08_HARP_DS	80.60022	99.99977	-212.46263	0.22	-0.23