



# Jefferson Lab Alignment Group

## Data Transmittal

TO: J. Fischer

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FROM: J. Dahlberg

Checked: J.M. Walker

# : B1524

10/18/13

### DETAILS:

Data: Inspectin\HallB\torusliftingframe\131015a

Below are the results from the recent inspection carried out on the Hall B torus coil lifting fixtures 1, and 2. A right-handed coordinate system was established centered on the average of top and bottom holes 6 projected onto a plane bisected between the top and bottom holes 1, 2, 5, and 6. The rotation about the vertical axis was set using an average line between holes 1 and 5 top and bottom holes. Values are in inches. Point names are labeled on the frame for reference.

FRAME 1 TOP	X	Y	Z	□ .500	CHECK PASSED	0.095
TOP_HOLE_1	76.711	3.555	111.89			
TOP_HOLE_2	5.546	3.453	134.228			
TOP_HOLE_3	24.242	3.055	79.31	Delta to top plane	0.440	
TOP_HOLE_4	52.31	3.059	45.082	Delta to top plane	0.438	
TOP_HOLE_5	76.693	3.446	8.278			
TOP_HOLE_6	-0.007	3.53	-0.016			
FRAME 1 BOT	X	Y	Z	□ .500	CHECK PASSED	0.092
BOT_HOLE_1	76.595	-3.448	111.921			
BOT_HOLE_2	5.577	-3.536	134.242			
BOT_HOLE_3	24.251	-2.935	79.223	Delta to bot plane	0.560	
BOT_HOLE_4	52.339	-2.931	45.066	Delta to bot plane	0.566	
BOT_HOLE_5	76.612	-3.547	8.316			
BOT_HOLE_6	0.007	-3.453	0.016			
FRAME 2 TOP	X	Y	Z	□ .500	CHECK PASSED	0.007
TOP_HOLE_1	76.623	3.497	111.712			
TOP_HOLE_2	5.552	3.494	134.231			
TOP_HOLE_3	24.22	3.017	79.123	Delta to top plane	0.478	
TOP_HOLE_4	52.226	2.994	44.939	Delta to top plane	0.499	
TOP_HOLE_5	76.539	3.486	8.111			
TOP_HOLE_6	0.014	3.497	-0.037			
FRAME 2 BOT	X	Y	Z	□ .500	CHECK PASSED	0.013
BOT_HOLE_1	76.519	-3.485	111.622			
BOT_HOLE_2	5.583	-3.504	134.207			
BOT_HOLE_3	24.231	-2.974	79.148	Delta to bot plane	0.521	
BOT_HOLE_4	52.275	-2.999	44.914	Delta to bot plane	0.494	
BOT_HOLE_5	76.603	-3.497	8.032			
BOT_HOLE_6	-0.014	-3.489	0.037			