Jefferson Lab Alignment Group DATA TRANSMITTAL

TO: J. Gomez, J.P. Chen, N. Liyanage, J. LeRose	DATE: 10 July 2001	
FROM: C.J. Curtis	Checked: #: A68	,0
DETAILS: Below are the results from the spectrometer p	pointing and superharp surveys carrie	əd
out on the Hadron and Electron arms from Jui	====== E070301A	
The central ray of the spectrometer is at -44.9 It is missing the defined target center by 3.35 and -0.71 mm vertically (positive = up).	974 degrees. 5 mm upstream,	
If the offset is corrected by secondary alignme spectrometer will be at 315.003 degrees.	ent, the	
*.3dd = 1.07		
======================================	===== H070501A	
The central ray of the spectrometer is at 44.9 It is missing the defined target center by 0.76 and 1.03 mm vertically (positive = up).	995 degrees. 6 mm upstream,	
If the offset is corrected by secondary alignme spectrometer will be at 45.000 degrees.	ent, the	
*.3dd = 1.55 *.9pr = 0.15		
======================================	===== E070601B	
The central ray of the spectrometer is at -34.9 It is missing the defined target center by 1.90 and 0.02 mm vertically (positive = up).	985 degrees. 0 mm upstream,	
If the offset is corrected by secondary alignme spectrometer will be at -34.998 degrees.	ent, the	
*.3dd = 1.31		

	DATA	TRANSMI	TTAL (cont.)	
80		D	ATE: 10 July 2001	PAGE : 2 of 2
		-0	110700044	
	==== RESULI	5 =======	======= H070601A	
The central ray of	of the spectror	neter is at	5.025 degrees.	
and 0.81 mm v	defined target /ertically (posi	center by 3 tive = up).	3.43 mm downstream,	
If the offerst is an		· · · · · · · · · · · · · · · · · · ·	manut the	
spectrometer wil	l be at 35.00	condary align 1 degrees.	iment, the	
* 244 1 42	* 0	10		
.3uu = 1.43	.901 = 0.	12		
			====== E070601B	
======================================		===========	====== E070601B	(, is been left)
======================================	DX	======= DY	EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE	ı (+ is beam left)
SH1H01A	DX -0.14	DY 0.36	EU70601B	ı (+ is beam left)
SH1H01A SH1H01B	-0.14 -0.01	DY 0.36 0.31	======= E070601B locations in mm	ı (+ is beam left)
Superharps SH1H01A SH1H01B SH1H01C	DX -0.14 -0.01 -0.02	DY 0.36 0.31 0.32	====== E070601B locations in mm	ı (+ is beam left)
SH1H01A SH1H01B SH1H01C SH1H02A	-0.14 -0.01 -0.02 -0.18	DY 0.36 0.31 0.32 0.31	======= E070601B locations in mm	ı (+ is beam left)
Superharps SH1H01A SH1H01B SH1H01C SH1H02A SH1H02B	DX -0.14 -0.01 -0.02 -0.18 -0.09	DY 0.36 0.31 0.32 0.31 0.33	E070601B locations in mm	ı (+ is beam left)
SH1H01A SH1H01A SH1H01B SH1H01C SH1H02A SH1H02B SH1H02C	DX -0.14 -0.01 -0.02 -0.18 -0.09 -0.08	DY 0.36 0.31 0.32 0.31 0.33 0.33 0.38	======= E070601B locations in mm	ı (+ is beam left)
Superharps SH1H01A SH1H01B SH1H01C SH1H02A SH1H02B SH1H02C	DX -0.14 -0.01 -0.02 -0.18 -0.09 -0.08	DY 0.36 0.31 0.32 0.31 0.33 0.38	ere E070601B	ı (+ is beam left)
SH1H01A SH1H01A SH1H01B SH1H01C SH1H02A SH1H02B SH1H02C	DX -0.14 -0.01 -0.02 -0.18 -0.09 -0.08	DY 0.36 0.31 0.32 0.31 0.33 0.33 0.38	====== E070601B locations in mm	ı (+ is beam left)
Superharps SH1H01A SH1H01B SH1H01C SH1H02A SH1H02B SH1H02C	DX -0.14 -0.01 -0.02 -0.18 -0.09 -0.08	DY 0.36 0.31 0.32 0.31 0.33 0.38	====== E070601B	ı (+ is beam left)
Superharps SH1H01A SH1H01B SH1H01C SH1H02A SH1H02B SH1H02C	DX -0.14 -0.01 -0.02 -0.18 -0.09 -0.08	DY 0.36 0.31 0.32 0.31 0.33 0.38	====== E070601B locations in mm	ı (+ is beam left)
Superharps SH1H01A SH1H01B SH1H01C SH1H02A SH1H02B SH1H02C	DX -0.14 -0.01 -0.02 -0.18 -0.09 -0.08	DY 0.36 0.31 0.32 0.31 0.33 0.38	====== E070601B locations in mm	ı (+ is beam left)