## Jefferson Lab Alignment Group

-Jefferson Lab -

**Data Transmittal** 

TO, D. Maitaakhawaki

IU: B. WOJISEKNOWSKI		<b>DATE:</b> 22 May 2019
FROM: Chris Gould	Checked:	<b>#:</b> A1924

## **DETAILS**:

M:\align\DATA\Inspection\HallA\APEX\190416A

DATE: 22 May 2010

The following APEX sieve results were measured after the run on 04/16/2019. The coordinates are reported in a Beam Following System relative to the ideal target centerline. The "Tungsten Bolt Holes" reference the upstream tungsten wire frame bolt holes located on the target strongback. The actual wires were not measured. A positive X is beam left, a positive Y is up and a positive Z is downstream. Values are in millimeters and degrees.

	BEAM FOLLOWING SYSTEM (mm)			
	Х	Y	Z	
IDEAL APEX TARGET CENTERLINE				
APEX TGT	0.0	0.0	0.0	
UPSREAM TUNGSTEN BOLT HOLES				
ТОР	113.6	-13.0	-244.5	
вот	113.6	17.1	-244.5	
SIEVE BOX				
US LARGE SLOT FLANGE	0.4	0.7	572.1	
BEAM LEFT SIEVE HOLES				
TOP SMALL	80.8	48.1	791.8	
BOT SMALL	81.4	-45.3	791.7	
TOP LARGE	81.0	1.4	791.8	
BOT LARGE	61.9	-22.1	793.6	
BEAM RIGHT SIEVE HOLES				
TOP SMALL	-78.5	48.4	790.9	
BOT SMALL	-78.1	-45.1	790.9	
TOP LARGE	-78.2	1.7	790.9	
BOT LARGE	-58.9	-21.6	792.7	
BEAM LEFT SCI FI DETECTOR				
LEFT	134.5	-1.5	843.0	
RIGHT	43.4	-1.7	843.6	
BEAM RIGHT SCI FI DETECTOR				
ТОР	-87.1	54.1	840.5	
BOTTOM	-95.5	-52.1	840.6	
SIEVE ANGLES	RY FROM +Z (YAW)	RX FROM +Y (PITCH)		
LEFT	5.366	89.988		
RIGHT	-5.372	90.019		