

center coordinates approx. 477x 520y .. should be 512,512

offset appears to be -37x +8y (-684x, +148y microns).

orientation is : using front of instrument view naomi mode as reference:
left is -ve, down is -ve. array is sitting right and down.

Image in ximtool and using ultradas is as reference.

for rotation : Lower left piinhole is at approx. 97x 160y.

shows array rotation error is 1.55 deg. ccw.

tilt images are r484399 to r484402 in /obsdata/whtb/20020308

	X	Y	Center	X	Y	
Bot Left	3.23	3.96		2.73	3.10	r484399
Bot Right	1.59	2.10		2.62	2.72	r484400
Top Right	1.55	1.77		2.90	2.93	r484401
Top Left	2.22	2.90		2.11	2.80	r484402