

March 3, 2025

Dear Mr. Yoder,

Congratulations on your purchase of the Vernonscope gold 2-inch $1/20^{\text{th}}$ wave quartz diagonal.

I have enclosed a copy of the interferometry results for the quartz surface of your diagonal mirror, #6303. The PV (Peak to Valley) value shown at about $1/4$ down the sheet is 0.041 wave or $1/24^{\text{th}}$ wave ($1/0.041$), which is even better than the advertised $1/20^{\text{th}}$ wave.

I hope you enjoy this fine diagonal.

Regards,



Liz Mansfield

Vernonscope LLC

- Sm Aperture
- MEASURE
- Analyze
- Mask Data
- Save Data
- Load Data
- Calibrate
- Reset

Measure Cntrl
Analyze Cntrl

S/W Profile

Slope Mag

Slope X

Slope Y

PSF

MTF

MTF Profile

Zernikes

ISO 10110-5

SynthFringes

Controls

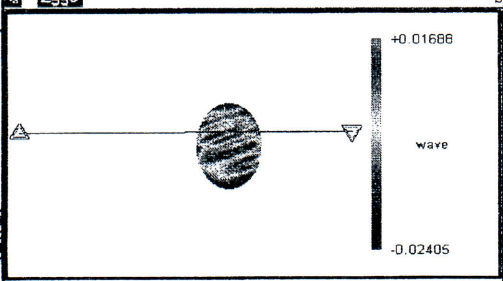
Analyze Attr

Process

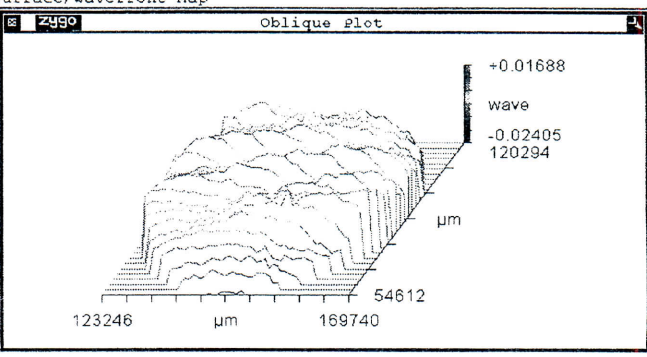
Report

Units

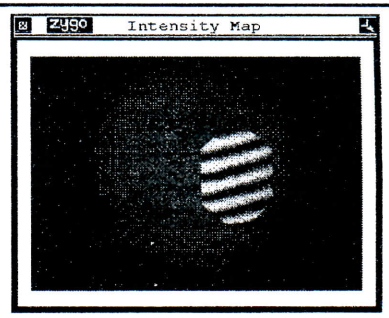
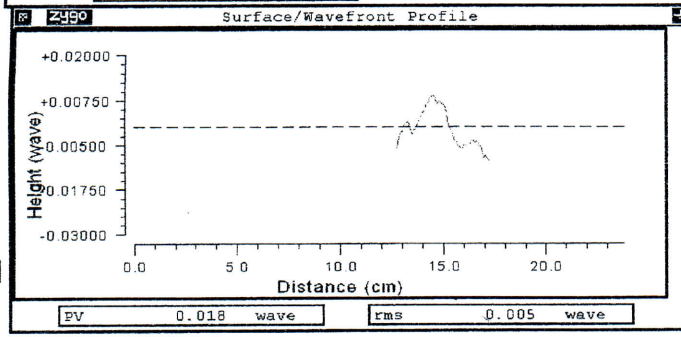
Video Monitor



PV	0.041	wave
rms	0.007	wave
Power	-0.020	wave
Size X	46.5	mm
Size Y	65.7	mm
AstMag	0.006	wave



Removed: PST TLT Trimmed: 0
Aperture OD (%): Aperture ID (%): Filter: Off



Zygo Measurement Attributes	
Mon May 24 09:30:33 2021	Data sign: Normal
Vernonscope LLC	Scale Factor: 0.5
Fused Quartz, 72.2mm x 52mm x 16mm thk	Camera Res: 738.0 micrometers
pc 25	

6303