Interferometry Report for AstroReflect 355mm F4.5 AR1703

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DFTFringe Version:2.2

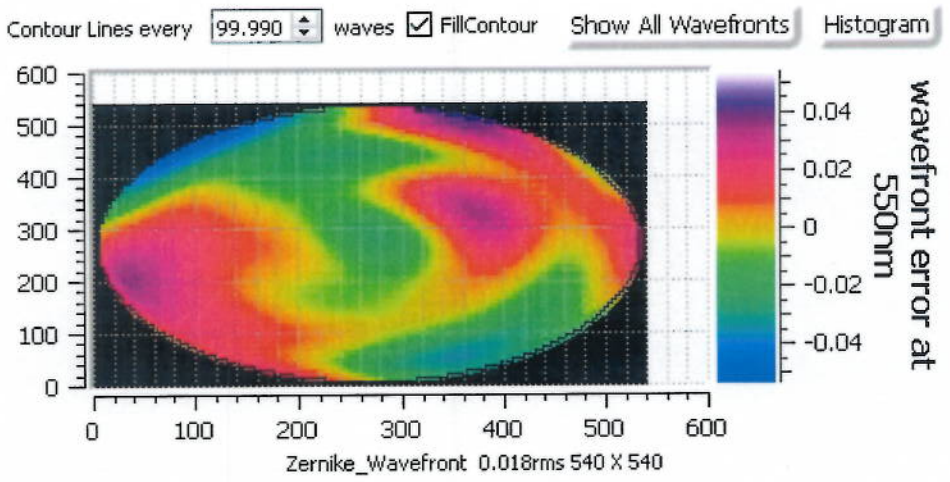


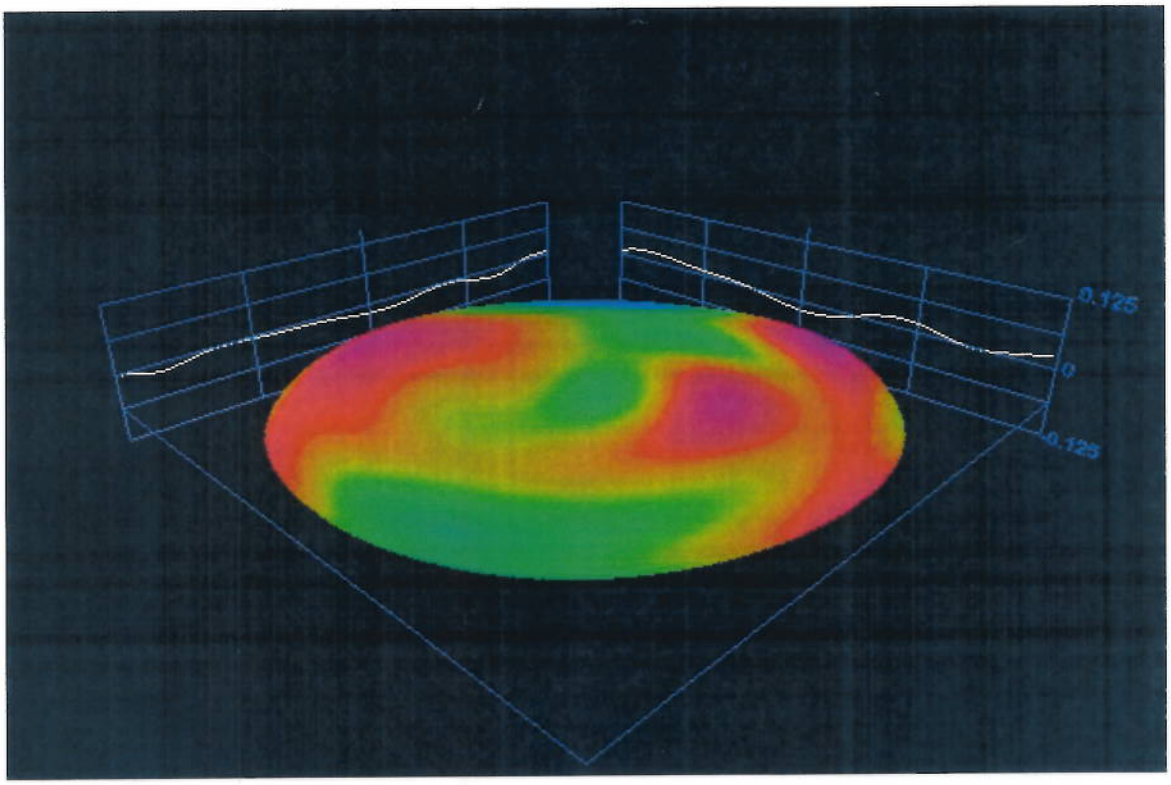
Diameter: 353.0 mm	ROC: 3160.0 mm	Fnumber: 4.5
RMS: 0.018 waves at 550nm	Strehl: **0.987**	Best Fit CC: -1.002
Desired Conic: -1	SANull: -1.8985	Waves per fringe: 1 Test Wave length: 675nm

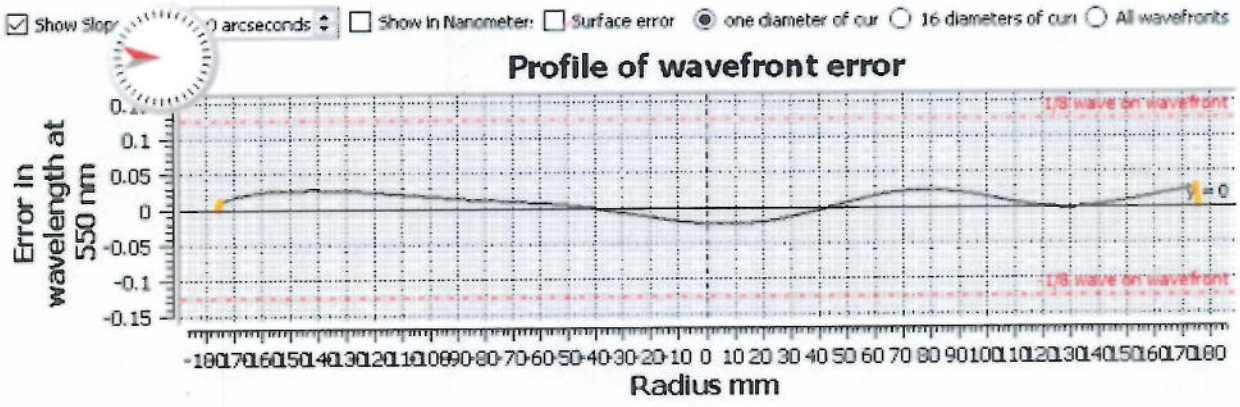
Zernike Values :

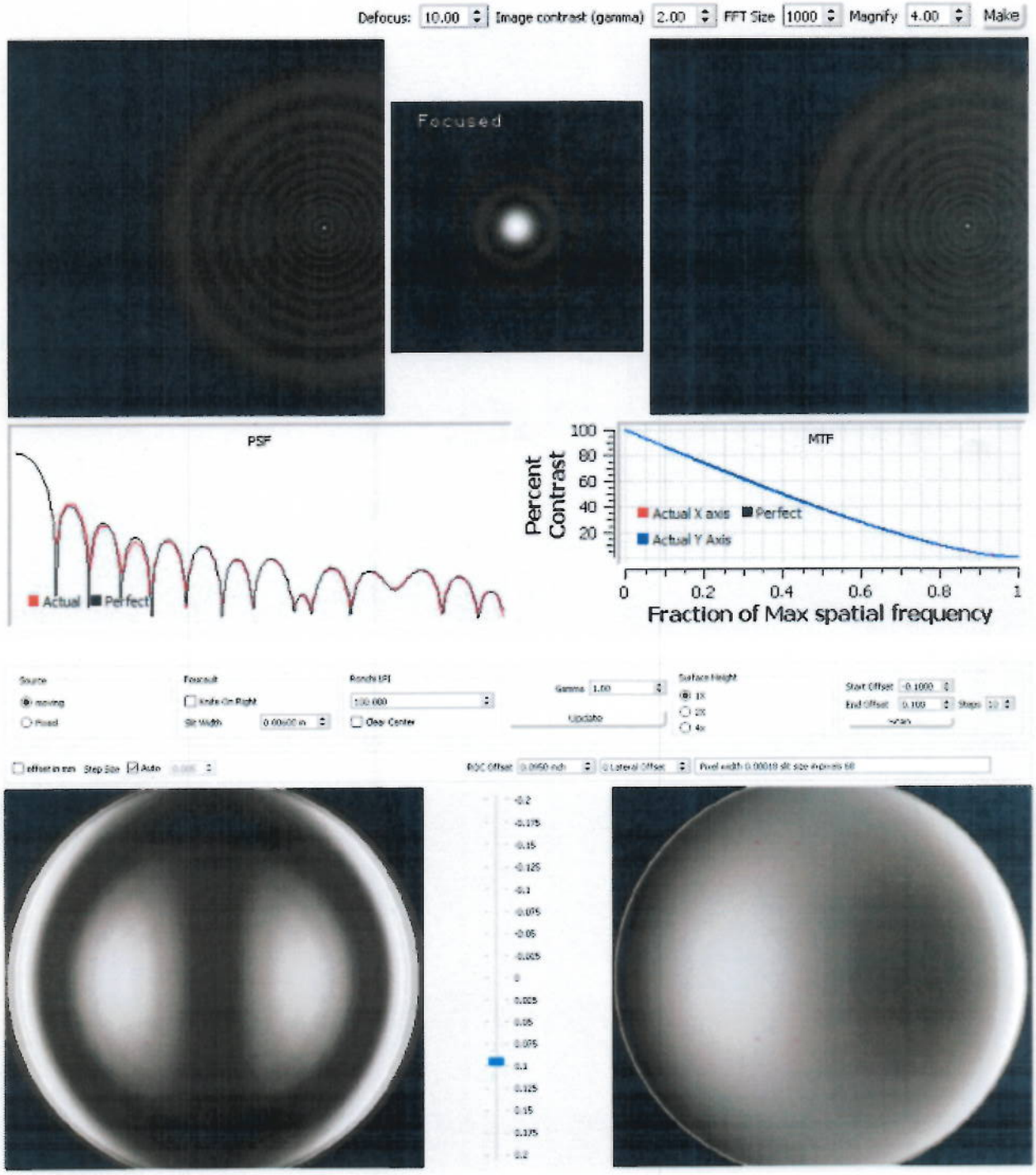
Term	Wyant	RMS	
Defocus	-0.000	-0.000	Disabled
X Astig	0.012	0.005	
Y Astig	0.026	0.010	
astig Polar	0.028	65.552 Deg.	
X Coma	-0.000	-0.000	Disabled
Y Coma	-0.000	-0.000	Disabled
Spherical	-0.004	-0.002	
X Trefoi	-0.006	-0.002	
Y Trefoil	-0.007	-0.003	
X 2nd Astig	-0.010	-0.003	
Y 2nd Astig	-0.000	-0.000	
X 2nd Coma	0.011	0.003	
Y 2nd Coma	0.001	0.000	
2nd Spherical	0.005	0.002	
X Tetrafoi	0.009	0.003	
Y Tetrafoi	-0.008	-0.003	
2nd X Trefoi	0.003	0.001	
2nd Y Trefoi	-0.007	-0.002	
3rd X Astig	0.003	0.001	
3rd Y Astig	-0.001	-0.000	
3rd X Coma	-0.001	-0.000	
3rd Y Coma	-0.004	-0.001	
3rd Spherical	-0.008	-0.003	
25	0.001	0.000	

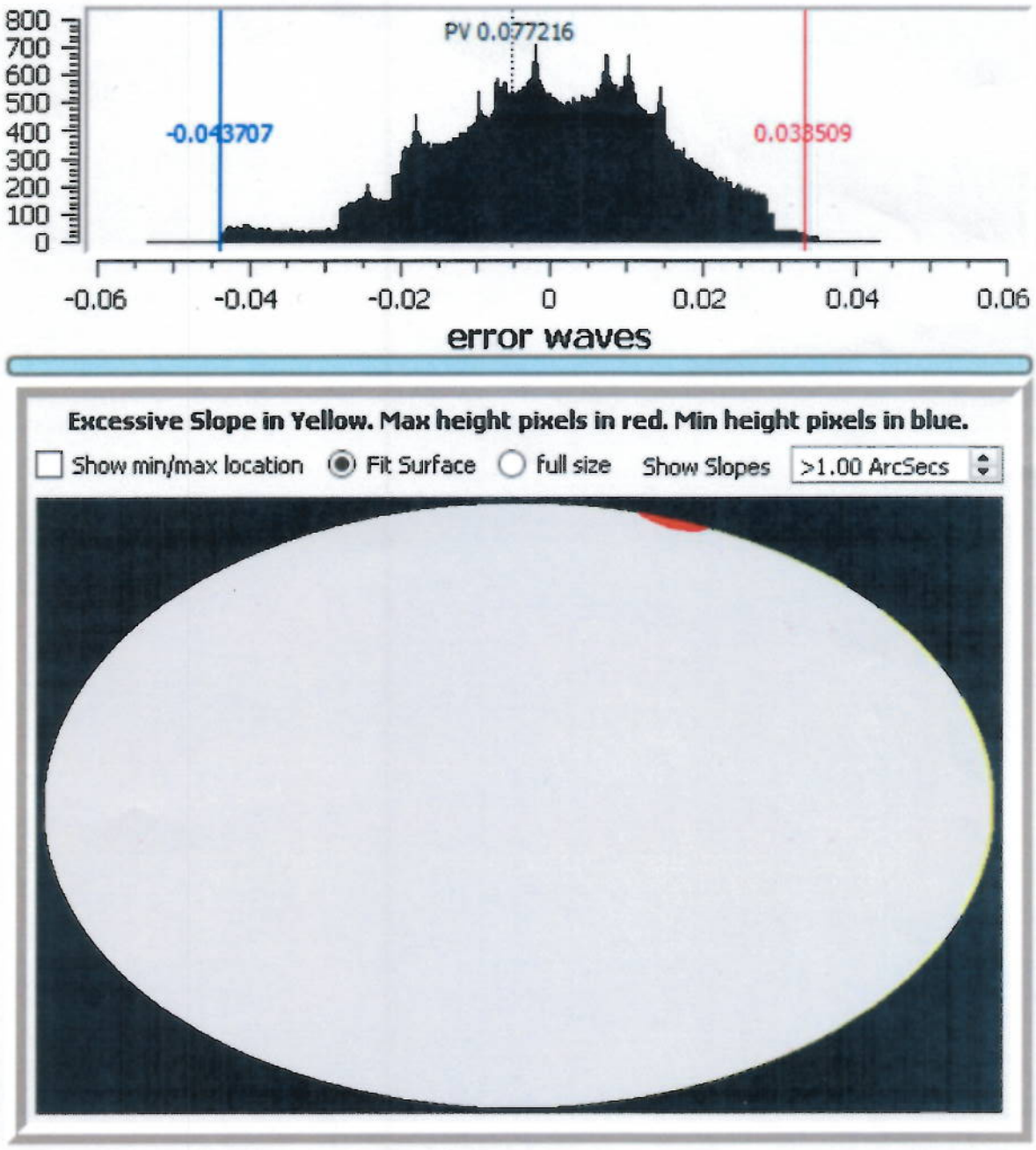
Term	Wyant	RMS	
26	-0.001	-0.000	
27	0.004	0.001	
28	-0.002	-0.000	
29	-0.002	-0.000	
30	0.006	0.002	
31	-0.003	-0.001	
32	-0.006	-0.001	
33	-0.008	-0.002	
34	-0.000	-0.000	
4th Spherical	0.003	0.001	
36	0.003	0.001	
37	0.005	0.001	
38	0.002	0.001	
39	-0.001	-0.000	
40	-0.000	-0.000	
41	0.000	0.000	
42	0.004	0.001	
43	0.002	0.001	
44	0.001	0.000	
45	0.000	0.000	
46	0.005	0.001	
47	0.008	0.002	


Contour Lines every
99.990
waves
FillContour
Show All Wavefronts
Histogram
600
500
400
300
200
100
0
0
100
200
300
400
500
600
0.04
0.02
0
-0.02
-0.04
wavefront error at
550nm
Zernike_Wavefront 0.018rms 540 X 540


0.125
0
-0.125


Show Slop
arcseconds
Show in Nanometer:
Surface error
one diameter of cur
16 diameters of curr
All wavefronts
Profile of wavefront error
1/8 wave on wavefront
1/8 wave on wavefront
Error in wavelength at 550 nm
0.1
0.05
0
-0.05
-0.1
-0.15
-180 -170 -160 -150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180
Radius mm


Defocus: 10.00
Image contrast (gamma) 2.00
FFT Size 1000
Magnify 4.00
Make
Focused
PSF
Actual
Perfect
MTF
Percent Contrast
100
80
60
40
20
0
0.2
0.4
0.6
0.8
1
Actual X axis
Perfect
Actual Y Axis
Fraction of Max spatial frequency



PixelStatistics and Slope error