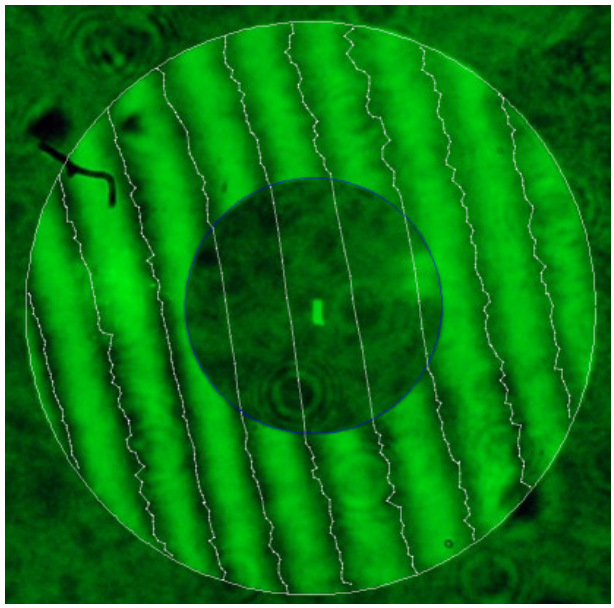
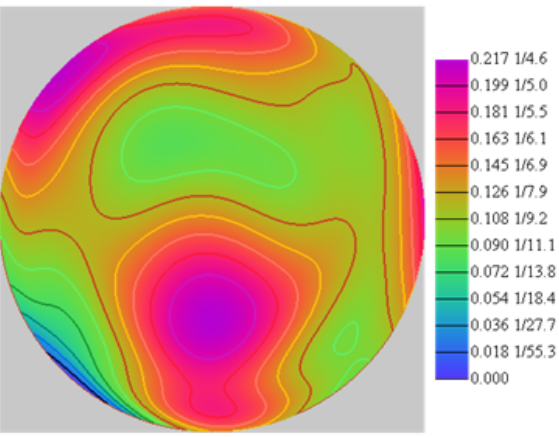
Interferrometrische Auswertung des Bosma MC200/2400 mm

Wellenlänge: 555 nm
RMS: 0,035
Strehl: 0,952

- I-Gramme by K.Schreckling
- Auswertung S. Somodji
- Fringes mit Autotrace
- **OHNE** Abzüge

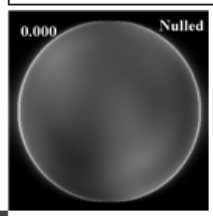


Wavefront error in Waves at 550nm RMS: 0.035 Strehl: 0.952 CC: 0.055

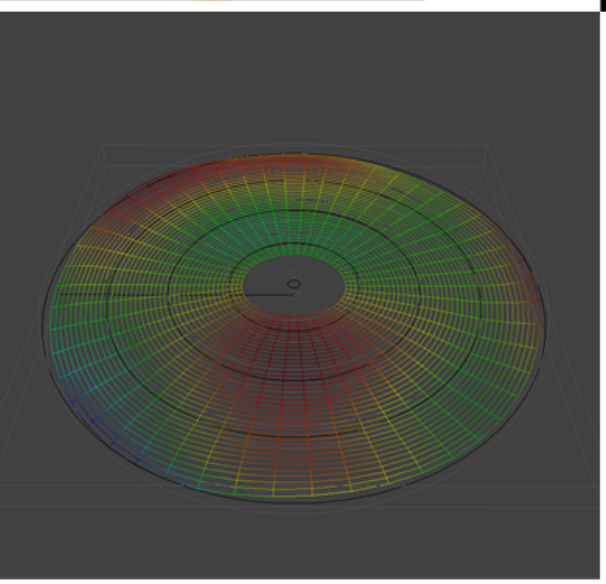


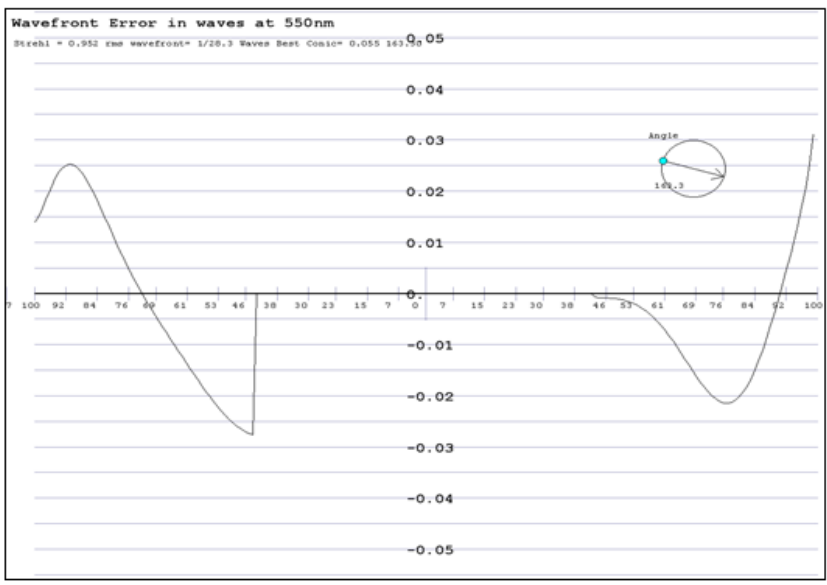
Mirror Bosma Mak 8" Igram Wavelength: 555.0nm
Diameter = 200.00 mm
ROC = 4800.00 mm
Best Conic= 0.055 Desired Conic: 0.00
Strehl = 0.952 Artifical Null: 0.068
rms wavefront= 1/28.3 0.035

Excluding Obstruction Wavefront (Waves)
Obstruction 88.00 mm
PV 1/4.8 0.208
RMS 1/28.1 0.036
Strehl 0.951



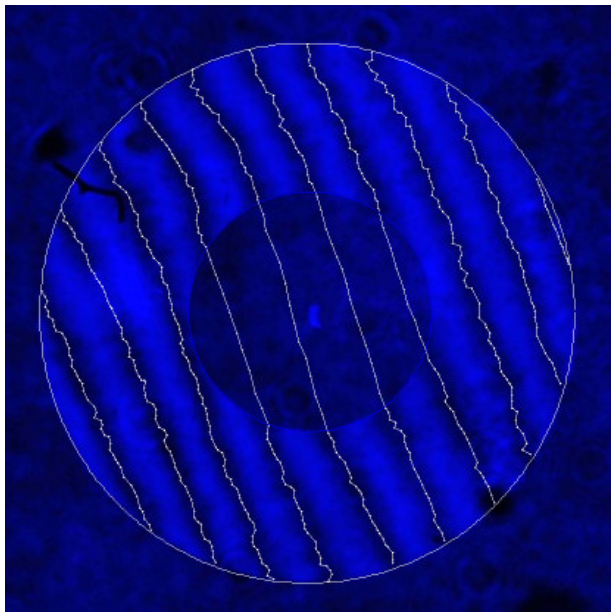
Zernike Terms	(Wyant)	WaveFront RMS	
Piston	2.168	2.187	Disabled
X Tilt	2.205	1.112	Disabled
Y Tilt	0.499	0.252	Disabled
Defocus	0.002	0.001	Disabled
X Astig	-0.026	0.011	
Y Astig	-0.027	0.011	
X Coma	0.005	0.002	
Y Coma	0.068	0.024	
Spherical	0.004	0.002	
X Trefoil	0.007	0.003	
Y Trefoil	0.028	0.010	
X 2nd Astig	0.024	0.008	
Y 2nd Astig	-0.015	0.005	
X 2nd Coma	0.009	0.003	
Y 2nd Coma	-0.029	0.009	
2nd Spherical	-0.002	0.001	
X Tetrafoil	0.029	0.009	
Y Tetrafoil	-0.006	0.002	
2nd X Trefoil	0.007	0.002	
2nd Y Trefoil	-0.004	0.001	
3rd X Astig	0.001	0.000	
3rd Y Astig	0.001	0.000	
3rd X Coma	0.010	0.003	
3rd Y Coma	0.005	0.001	
3rd Spherical	-0.005	0.002	



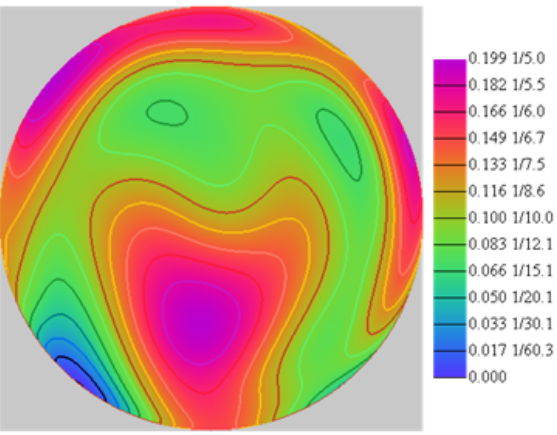


Wellenlänge: 465 nm
RMS: 0,036
Strehl: 0,949

- I-Gramme by K.Schreckling
- Auswertung S. Somodji
- Fringes mit Autotrace
- **<u>OHNE</u>** Abzüge

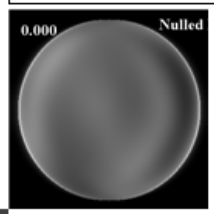


Wavefront error in Waves at 550nm RMS: 0.036 Strehl: 0.949 CC: 0.283

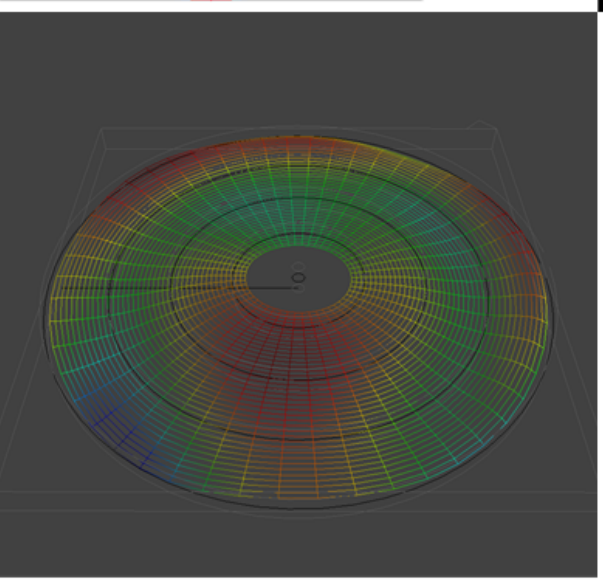


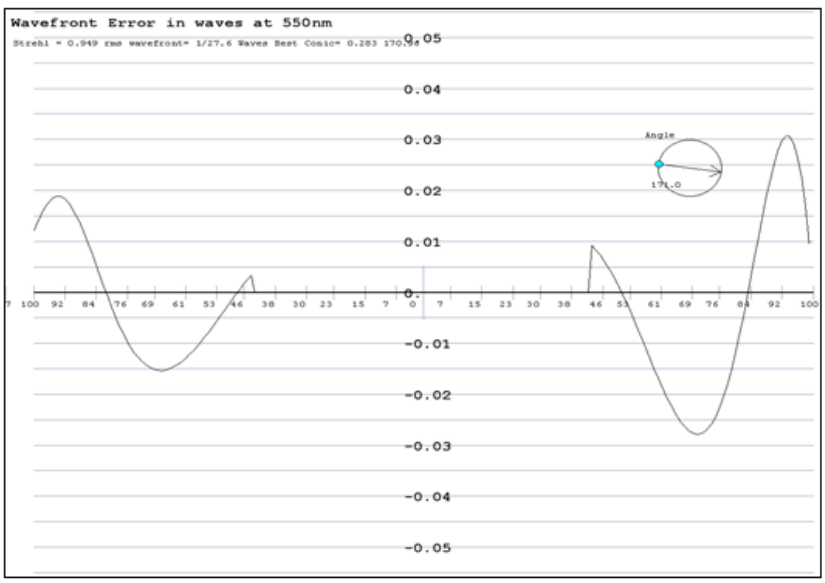
Mirror Bosma Mak 8" Igram Wavelength: 465.0nm
Diameter = 200.00 mm
ROC = 4800.00 mm
Best Conic= 0.283 Desired Conic: 0.00
Strehl =0.949 Artifical Null: 0.081
rms wavefront= 1/27.6 0.036

Excluding Obstruction Wavefront (Waves)
Obstruction 88.00 mm
PV 1/5.0 0.198
RMS 1/27.3 0.037
Strehl 0.948



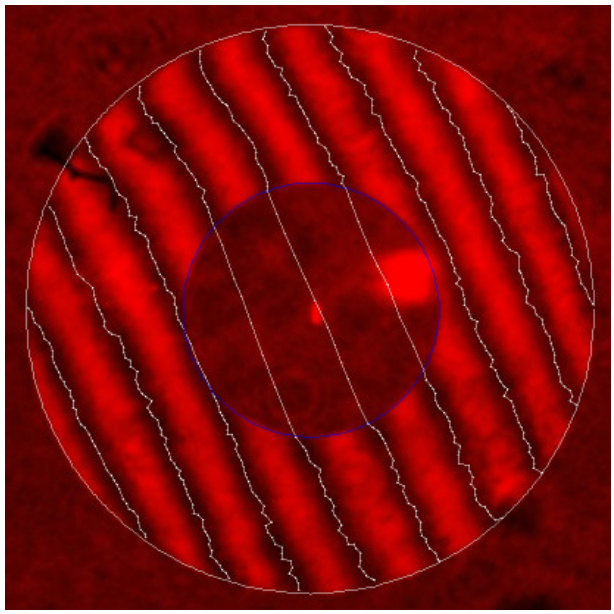
Zernike Terms	(Wyant)	WaveFront RMS	
Piston	2.117	1.790	Disabled
X Tilt	2.205	0.932	Disabled
Y Tilt	0.858	0.363	Disabled
Defocus	0.001	0.000	Disabled
X Astig	-0.016	0.006	
Y Astig	-0.023	0.008	
X Coma	0.012	0.003	
Y Coma	0.086	0.026	
Spherical	0.023	0.009	
X Trefoil	0.006	0.002	
Y Trefoil	0.036	0.011	
X 2nd Astig	0.028	0.008	
Y 2nd Astig	-0.015	0.004	
X 2nd Coma	0.004	0.001	
Y 2nd Coma	-0.022	0.005	
2nd Spherical	0.004	0.001	
X Tetrafoil	0.038	0.010	
Y Tetrafoil	-0.005	0.001	
2nd X Trefoil	0.002	0.000	
2nd Y Trefoil	-0.005	0.001	
3rd X Astig	0.011	0.002	
3rd Y Astig	0.013	0.003	
3rd X Coma	-0.001	0.000	
3rd Y Coma	-0.007	0.001	
3rd Spherical	-0.023	0.007	



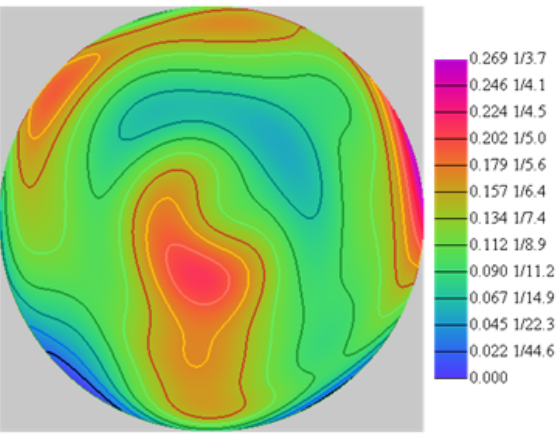


Wellenlänge:	690	nm
RMS:	0,038	
Strehl:	0,944	

- I-Gramme by K.Schreckling
- Auswertung S. Somodji
- Fringes mit Autotrace
- **<u>OHNE</u>** Abzüge

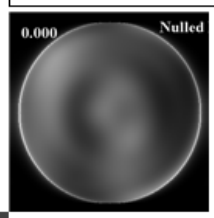
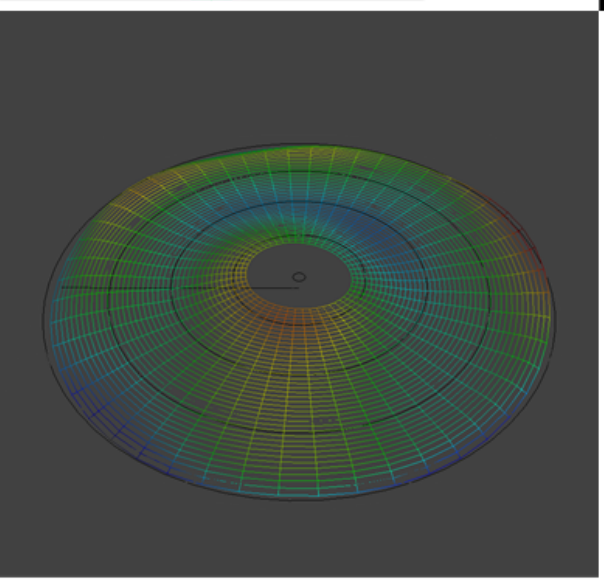
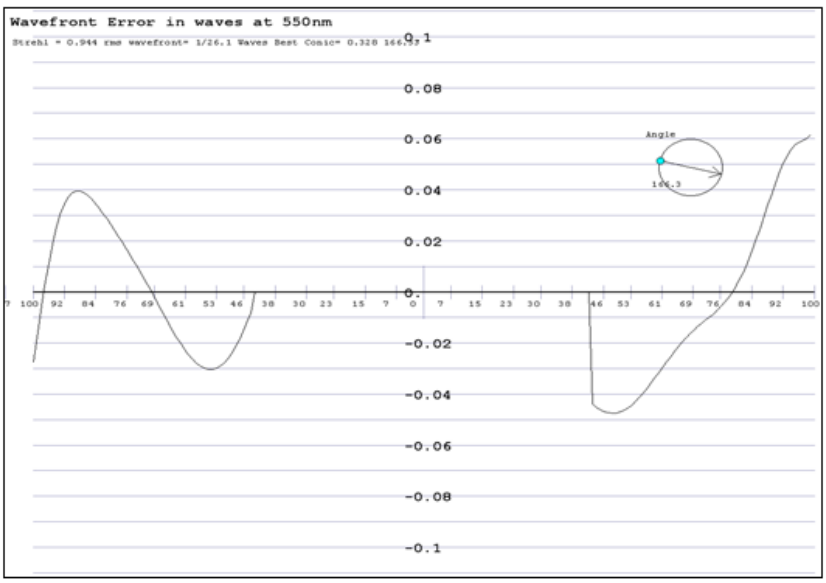


Wavefront error in Waves at 550nm RMS: 0.038 Strehl: 0.944 CC: 0.328



Mirror Bosma Mak 8" Igram Wavelength: 690.0nm
Diameter = 200.00 mm
ROC = 4800.00 mm
Best Conic= 0.328 Desired Conic: 0.00
Strehl =0.944 Artifical Null: 0.055
rms wavefront= 1/26.1 0.038

Excluding Obstruction Wavefront (Waves)
Obstruction 88.00mm
PV 1/4.0 0.249
RMS 1/26.5 0.038
Strehl 0.945



Zernike Terms	(Wyant)	WaveFront RMS	
Piston	1.943	2.437	Disabled
X Tilt	1.954	1.225	Disabled
Y Tilt	0.902	0.566	Disabled
Defocus	0.020	0.015	Disabled
X Astig	0.000	0.000	
Y Astig	-0.009	0.005	
X Coma	0.027	0.012	
Y Coma	0.055	0.025	
Spherical	0.018	0.010	
X Trefoil	0.011	0.005	
Y Trefoil	0.024	0.010	
X 2nd Astig	0.019	0.008	
Y 2nd Astig	-0.006	0.002	
X 2nd Coma	-0.004	0.001	
Y 2nd Coma	-0.010	0.003	
2nd Spherical	-0.022	0.010	
X Tetrafoil	0.027	0.011	
Y Tetrafoil	-0.004	0.002	
2nd X Trefoil	0.005	0.002	
2nd Y Trefoil	-0.002	0.001	
3rd X Astig	-0.002	0.001	
3rd Y Astig	0.005	0.002	
3rd X Coma	0.020	0.006	
3rd Y Coma	0.003	0.001	
3rd Spherical	-0.004	0.002