

ObservationReport

ObservationID

0135

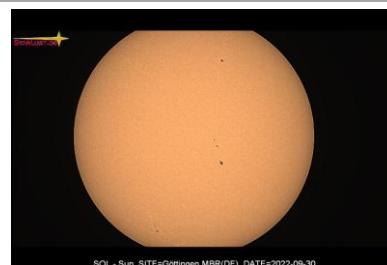
on

2022-09-30 12:32

all measures in mm



Object	SOL
Common Name	Sun
Alternate Name (s)	Sonne, Sun
Visual Magnitude	0
Distance ► Object	
Apparent Size	32.3'
Object R.A.	
Object DEC	
WikiLink	https://en.wikipedia.org/wiki/Sun



20220930_SOL_ASI294_0135-01WM.jpg

Link ► Picture [SOL_20220930](#)
 Description
 Constellation

Picture Data

Work Status	Published	Rating	****
Source Format	Video	Picture Center R.A.	
Tot./Act. Frames/Pane	10 1	Picture Center DEC	
H / V Panes	1080 920	H/V FoV [°]	1972,9503 1143,9576
Exp. [s] / Frame	1/1612,90322580645	Above horizon [°]	0
Total Time / Pane [min]	10,27 0,00	View Direction	S

Camera Data	ZWO Optical	ASI294MC Pro	ZWOASI294
Camera Angle [°]	0	Pixel Pitch [µm]	4,63
Gain or ISO	0	Camera Temp. °C	0

Observation Site

Observation Start	2022-09-30T12:32:27 UTC+/- +1h	Observation End	2022-09-30T12:32:27
Observation Site	DE Göttingen MBR	Site Elevation /Bortle	182 5
Province	NDS	Site Coordinates	51° 34' N, 9° 56' E

Sky & Moon

Sky Index Total Clouds	UNKNOWN %	Moon Rise Set	
Outside Temp. °C	UNKNOWN	Moon Age [d]	
Moon Phase % Illum.	UNKNOWN %	Moon ►Target Dist.	UNKNOWN

Optical Configuration

TS600AS294	TS600ASI294T252		
Lens or Scope	TSO APO 90/600	Focuser	M90 TS600 Rack + Pinion
Type Of Build	APO Triplet Refractor	Focuser Position [mm]	0,00 EAF Steps 0
Brand	TS-Optics	Optical Factor	1
Additional Optics	M63 WO Rotator	FoL norm actual [mm]	599 599
Filter	Astrozap Solar	DawesLimitLink	1,74 Arcsec
Diameter [mm]	90	Optical Scale ["/px]	1,595
Aperture / f-stop	6,67		

Other Hardware & Software

GuideScope	Omegon 50/200	Mount	iOptron iEQ45 Pro
GuiderHW	ASiAirPro	SessionControl	ASiAirPro
GuiderSW	NONE	PostProcessingSW	ASIIRStacking

More ...

Work Folder [2022\20220930_SOL_0135_GOE-MBR](#)
 Comment
 Remarks Purpose of this image was to test the of the ASIIR-Pro video capturing and stacking option using the sun as target. The resulting image is quite promising. After stacking, ASIIR was used to sharpen and to color the picture before exporting it. No other post-processing applied.

Video setting in ASI AIR: BIN1, EXP = 620 us, Gain = 0, WB(R) = 55, WB(B) = 41, ROI = 1080P, T=10s