

ObservationReport

ObservationID

0138

on

2022-10-06 22:51

all measures in mm



Object	LUNA
Common Name	
Alternate Name (s)	Moon, Mond
Visual Magnitude	-10,3
Distance ► Object	394200 km
Apparent Size	30.3'
Object R.A.	n.a.
Object DEC	n.a.
WikiLink	https://en.wikipedia.org/wiki/Moon



20221006_LUNA_ASI294_0138-02WM.jpg

Link ► Picture	LUNA_20221006
Description	Earth Moon
Constellation	Solar System

Picture Data

Work Status	Published	Quality	****
Source Format	Video	Picture Center R.A.	
Tot./Act. Frames/Pane	20 / 29850	Picture Center DEC	
H / V Panes	1 / 1	H/V FoV [°]	1,8268 / 1,2434
Exp. [s] / Frame	1/1492,53731343284	Above horizon [°]	48,7
Total Time / Pane [min]	0,33 / 0,33	View Direction	149,6

Camera Data

ZWO Optical	ASI294MC-Pro	ZWOASI294	
Camera Angle [°]	0	Pixel Pitch [µm]	4,63
Gain or ISO	200	Camera Temp. °C	-10

Observation Site

Observation Start	2022-10-06T22:51:32 UTC+/- +1h	Observation End	2022-10-06T22:51:32
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	2,8	%	Moon Rise Set	18:10:00 / 04:24:00
Outside Temp. °C	7		Moon Age [d]	11,1
Moon Phase % Illum.	2nd quarter / 89	%	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	-	DawesLimitLink	1,74 Arcsec
Diameter [mm]	90	Optical Scale ["/px]	1,595
Aperture / f-stop	6,66		

Other Hardware & Software

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

More ...

Work Folder	2022\20221006_LUNA_0138_GOE-MBR
Comment	Crater: Tycho
Remarks	Luna with crater Tycho at lower center from 20s video stacked with ASIIR Video captured with following parameters: [ZWO ASI294MC Pro]

Bin = 1
Capture Area Size = 1920 * 1080
Colour Format = RAW8
Exposure = 0.00067 Sec
Flip = None
Gain = 200
StartX = 1104
StartY = 868
Temperature = -10 C
Bayer = RG
White Balance (B) = 89
White Balance (R) = 55
Duration=20 Sec