

ObservationReport

all measures in mm

ObservationID

327

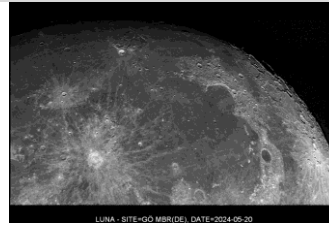
on

2024-05-20 22:47

Object

Common Name	
Alternate Name	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

LUNA



20240520_LUNA_ASI294_0327-01WM.jpg

Link ► Picture	LUNA_20240520
Description	Earth Moon
Constellation	Solar System

Picture Data

Work Status	Published	Quality	****		
Format	Video	Picture Center R.A.			
Tot./Act. Frames/Pane	31	972	Picture Center DEC		
H / V Panes	1920	1080	H/V FoV [°]	1293,7972	495,3377
Exp. [s] / Frame	1/1250	Above horizon [°]	0		
Total Time / Pane [min]	26.873,86	0,01	View Direction	N	

Camera Data

ZWO	ASI294MC-Pro	ZWOASI294	
Camera Angle [°]	0	Pixel Pitch [µm]	4,63
Gain or ISO	281	Camera Temp. °C	19,3

Observation Site

Observation Start	2024-05-20T22:47:42 UTC+/- +1h	Observation End	2024-05-20T22:47:42	
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	4,5	4	%	Moon Rise Set	18:01:00	03:58:00
Outside Temp. °C	10,4	Moon Age [d]	12,4			
Moon Phase % Illum.	2nd quarter	93	%	Moon ► Target Dist.	0°	

Optical Configuration

TS1624AS294rt	TS1624ASI294rtT226				
Lens or Scope	TSO RC 203/1624	Focuser	M90 2.5" Rack Pinion Foc		
Type Of Build	Ritchey-Chretien Reflector	Focuser Position [mm]	23,40	EAF Steps	7102
Brand	TS-Optics	Optical Factor	1		
Additional Optics	-	FoL norm actual [mm]	1624	1596	
Filter	-	DawesLimitLink	1,45	Arcsec	
Diameter [mm]	203	Optical Scale ["/px]	0,588		
Aperture / f-stop	8,00				

Other Hardware & Software

GuideScope	ZWO 30/120 mini	Mount	iOptron iEQ45 Pro
GuiderHW	ASIAIR	SessionControl	ASIAIR
GuiderSW	ASIAIR	PostProcessingSW	GraXpert, ASIAIRStacking

More ...

Work Folder [2024\20240520_LUNA_0327_GOE-MBR](#)

Comment

Remarks This was just a test image after a new collimation of the RC telescope to check the quality of the collimation.
AVI recording parameters:
[ZWO ASI294MC Pro]

Bin = 1
Capture Area Size = 1920 * 1080
Colour Format = RAW8
Exposure = 0.0008 Sec
Flip = None
Gain = 281
StartX = 1104
StartY = 868
Temperature = 19.3 C
Bayer = RG
White Balance (B) = 74
White Balance (R) = 45
Duration=31 Sec