

ObservationReport

ObservationID

0012

on

2022-03-10 19:39

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



20220310_LUNA_ASI294_0012-02WM.jpg

Link ► Picture	LUNA_20220310
Description	Earth Moon
Constellation	Solar System

Picture Data

Work Status	Published	Rating	***
Source Format	Video	Picture Center R.A.	82.6461
Tot./Act. Frames/Pane	116 1	Picture Center DEC	25.2834
H / V Panes	640 480	H/V FoV [°]	431,2657 220,1501
Exp. [s] / Frame	8	Above horizon [°]	60° 34'
Total Time / Pane [min]	40.960,00 0,13	View Direction	SW 213° 43'

Camera Data

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

Observation Site

Observation Start	2022-03-10T19:39:00 UTC+/- +1h	Observation End	2022-03-10T19:40:55
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	%	Moon Rise Set	11:17:00 00:53:00
Outside Temp. °C	6		Moon Age [d]	7,7
Moon Phase % Illum.	1st quarter 53,4	%	Moon ►Target Dist.	0

Optical Configuration

TS1624AS294c	TS1624ASI294cT235		
Lens or Scope	TSO RC 203/1624	Focuser	2.5" Crayford
Type Of Build	Ritchey-Chretien Reflector	Focuser Position [mm]	0,00 EAF Steps 0
Brand	TS-Optics	Optical Factor	1
Additional Optics	-	FoL norm actual [mm]	1624 1624
Filter	-	DawesLimitLink	1,45 Arcsec
Diameter [mm]	203	Optical Scale ["/px]	0,588
Aperture / f-stop	8,00		

Other Hardware & Software

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

More ...

Work Folder	2022\20220310_LUNA_0012_GOE-MBR
Comment	Caucasus Mountains
Remarks	Luna from 116s video capture - lunar region details: Crater=Aristillus Crater=Autolycus Mountain=Caucasus Mountains

Mare=Mare Serinatis

First test of the Asiatic video mode. No USB drive used, MP4 video was stored directly on the CFcard. Magnification was 2.25 using the 640*480 video setting. The seeing conditions were not too good with a lot of air motion.

Used SW PIPP to convert the MP4 into AVI and then Registax for stacking.