

ObservationReport

all measures in mm

Observation-ID

0231

v 02

on

2018-09-12 22:19

Rating

**

Status

Published



Main Object	M8
Common Name	Lagoon Nebula
Alternate Name	Sh2-25
Visual Mag. Size	5,80 45' x 30'
Distance	4.10 ly
Object R.A. DEC coord.	18hr 03' 12" -24° 23' 00"
Description	Emission Nebula
Constellation	Sagittarius
Other Objects	



20180912_M8_FUJXT1_0231-02.jpg

StarImage Link	OID0231
Telescopius Link	https://telescopius.com/de
Wikipedia Link	https://en.wikipedia.org/wi

Image Properties

Source Format	Photo	Optical Scale ["/px]	0,4783
Tot./Act. Frames/Pane	11 11	Picture Center R.A.	18h03m37.076s
H / V Panes	1 1	Picture Center DEC	-24°24m36.73s
Exp. [s] / Frame	30	FoV measured H/V [°]	0,649 0,429
Total Time / Pane [min]	5,50 5,50	Above horizon [°]	24
		View Direction	N-24

Camera Data

FUJIFILM	FUJXT1	FUJXT1	
Camera Angle [°]	13402	Pixel Pitch [µm]	4,827
Gain or ISO	6400	Camera Temp. °C	20

Observation Site

Observation Start	2018-09-12T22:19:06 UTC+/- +h	Observation End	2018-09-12T22:29:48
Observation Site	ES LP - Llanos de Jable	Site Elevation / Bortle	1350 3
Province	La Palma	Site Coordinates	28° 37' 02.3" N, 017° 50' 51"

Sky & Moon

Sky Index Total Clouds	?	%	Moon Rise Set		
SQM Outside Temp. °C		?	Moon Age [d]	0	
Moon Phase % Illum.	?	0	%	Moon ► Target Dist.	UNKNOWN

Optical Configuration

ME2082FUXT1	ME2082FUJXT1		
Lens or Scope	Meade 203/2082	Mechanical Focuser	-
Type Of Build	Cassegrain	Electronic Focuser	<input type="checkbox"/>
Brand	Meade	Focuser Position	0 [mm]
Additional Optics	-	► Optical Factor	1
Filter	NONE	FoL norm actual [mm]	2082 1968,606
Diameter [mm]	203	DawesLimitLink	1,13 Arcsec
Aperture / f-stop	10,26		

Other Hardware & Software

Guide Scope + Camera	NONE BREGPCMOS02000KP	Mount	EQ6R-PRO
GuiderHW	ASiAirPro	SessionControl	ASiAirPro
GuiderSW	ASiAir App	PostProcessingSW	LrC, PS, PixInsight

More ... (see also next page)

Work Folder	2018\20180912_0231_M8_Llanos-de-Jable
Comment/Title	Lagoon Nebula (M8)

Remarks

Session Planning

There was no guide scope or guide camera available with this equipment, so I had to rely entirely on good polar alignment and tracking.

Location and sky

see details

Session Results

acceptable

Post Processing

Image selection, registration, background enhancement and color correction were done in PixInsight.

Culling

- NONE -

Alignment and Integration

FBPP: Fast Batch PreProcessor (Autocrop, Drizzle)

Linear Image Processing

DC: Dynamic Crop + Plate Solve

GX: GraXpert

BX: BlurXTerminator

SPCC: Spectrometric Color Calibration

NX: NoiseXTerminator

MAS: Multiscale Adaptive Stretch

No further image post processing was required.

No color or hue changes were made; the final image has natural colors.

Image Keywords

ObservationID=#0231, M8, Lagoon Nebula, **, Constellation=Sagittarius, 2018, SEP, Type=Photo, Site=LP - Llanos de Jable, ES, Config=ME2082FUXT1, D=203mm, f/10.3, f=1969mm, Filter=NONE, Gain=6400, Lens=ME2082, LensName=Meade 203/2082, Mount=EQ6R-PRO, n=11, OtherOptics=-, PanesH=1, PanesV=1, Status=PostProcessed, t=30s, FUJXT1, AstroSW=LRC, AstroSW=PS, AstroSW=PI-PixInsight