

ObservationReport

all measures in mm

Observation-ID

0427 v 01

on

2026-04-09 22:57

Rating

Status

PostProcessed



Main Object	Sh2-296	
Common Name	Seagull Nebula	
Alternate Name	LBN1027	
Visual Mag. Size	10,00	120x40"
Distance	5,9 kLj	
Object R.A. DEC coord.	07hr 07' 08"	-11° 15' 31"
Description	Bright Nebula	
Constellation	Canis Major	
Other Objects		



20260409_Sh2-296_ASI2600_0427-01.jpg

StarImage Link [OID0427](#)
Telescopius Link <https://telescopius.com/de>
Wikipedia Link

Image Properties

Source Format	Photo	Optical Scale ["/px]	1,2952	
Tot./Act. Frames/Pane	20	20	Picture Center R.A.	7h05m19.571s
H / V Panes	1	1	Picture Center DEC	-10°42m30.49s
Exp. [s] / Frame	180	FoV measured H/V [°]	2,248	1,502
Total Time / Pane [min]	60,00	60,00	Above horizon [°]	21° 31' 25,0"
		View Direction	WSW 249° 17' 60,0"	

Camera Data	ZWO Optical	ASI2600MCAir	ZWOASI2600
Camera Angle [°]	268,801	Pixel Pitch [µm]	3,761
Gain or ISO	100	Camera Temp. °C	-10

Observation Site

Observation Start	2026-04-09T22:57:33 UTC+/- 1h	Observation End	2026-04-09T23:56:01	
Observation Site	ES LP - La Palma Jardin	Site Elevation / Bortle	470	4
Province	La Palma	Site Coordinates	28° 38' 52.0" W; 017° 53' 47.9" N	

Sky & Moon

Sky Index Total Clouds	2,8	44	%	Moon Rise Set	
SQM Outside Temp. °C	0	14		Moon Age [d]	0
Moon Phase % Illum.	?	0	%	Moon ► Target Dist.	UNKNOWN

Optical Configuration	TS600ASI2600CAAR	TS600ASI2600T273CAA	
Lens or Scope	TSO APO 90/600	Mechanical Focuser	M90 TS600 Rack + Pinion Focuser
Type Of Build	APO Triplet Refractor	Electronic Focuser	<input checked="" type="checkbox"/>
Brand	TS-Optics	Focuser Position Steps	11308 [mm] 32,80
Additional Optics	M54 ZWO ASI CAA Rotator	► Optical Factor	1
Filter	Omegon UHC 2"	FoL norm actual [mm]	599 598,8876
Diameter [mm]	90	DawesLimitLink	1,74 Arcsec
Aperture / f-stop	6,66		

Other Hardware & Software

Guide Scope + Camera	ZWO 30/120 mini ASI2600Guide	Mount	ZWO AM3
GuiderHW	ASIAIR	SessionControl	ASIAIR
GuiderSW	ASIAIR	PostProcessingSW	PI-PixInsight, GraXpert, BlurXTerminator, NoiseXTerminator, StarXTerminator, PI-MAS

More ... (see also next page)

Work Folder	2026\20260409_0427_Sh2-296_La-Palma-Jardin
Comment/Title	Seagull Nebula (Sh2-296) in Monoceros

Remarks

Session Planning

First night on La Palma in 2026.

Location and sky

Instable weather conditions. Increasing cloud coverage.

Session Results

could be better...

Post Processing

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

No Culling (too few light frames)

Blink
SubframeSelector

Alignment and Integration

FBPP: Fast Batch PreProcessor (Autocrop, Drizzle)
WBPP Weighted Batch PreProcessor (Autocrop, Drizzle)

Linear Image Processing

DC: Dynamic Crop + Plate Solve
GX: GraXpert
BX: BlurXTerminator
SPCC: Spectrometric Color Calibration
NX: NoiseXTerminator

Splitting and De-Linearizing the image

SX: StarXTerminator: splitting the image into Stars and DSO objects

Stars Image:

HT: Histogram Transfer
CT: Curves Transformation

DSO Image:

MAS: Multiscale Adaptive Stretch
FAME: Free Hand Adaptive Mask to enhance the DSO image
NX: NoiseXTerminator
NBN : Narrow Bandwith Normalization
MLT: PixInsight Multiscale Median Stretch
CT: Curves Transformation

Combining Stars and DSO Image

PixMath: Add DSO and $0.7 * \text{Stars}$ into final image

No further image post processing was required.

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

Image Keywords

ObservationID=#0427, Sh2-296, Seagull Nebula, ***, Constellation=Canis Major, 2026, APR, Type=Photo, Site=LP - La Palma Jardin, ES, Config=TS600ASI2600CAAR, D=90mm, f/6.7, f=599mm, Filter=UHC2, Gain=100, Lens=TS600, LensName=TSO APO 90/600, Mount=ZWO AM3, n=20, OtherOptics=M54 ZWO ASI CAA Rotator, PanesH=1, PanesV=1, Status=PostProcessed, t=180s, ZWOASI2600, AstroSW=PI-PixInsight, AstroSW=GraXpert, AstroSW=BlurXTerminator, AstroSW=NoiseXTerminator, AstroSW=StarXTerminator, AstroSW=PI-MAS