

ObservationReport

ObservationID

0371

on

2025-03-18 19:45

all measures in mm



Main Object	IC443		
Common Name	Jellyfish Nebula		
Alternate Name	LBN844		
Visual Mag. Size	12,00	50x40 arcmin	
Distance	1500 ly		
Object R.A. DEC coord.	06h 16m 31s	+22° 31' 59"	
Description	Bright Nebula		
Constellation	Gemini		
Other Objects	<input type="text" value="IC444"/>	<input type="text" value="Eta Gemiorum"/>	
	<input type="text" value="12 Gem"/>		



20250318_IC443_ASI2600_0371-02WWM.jpg

StarImage Link	IC443_20250318
Telescopius Link	https://telescopius.com/d
Wikipedia Link	https://en.wikipedia.org/

Image Properties

Work Status	Published		Rating	****	
Source Format	Photo		Picture Center R.A.	6° 17' 30.825"	
Tot./Act. Frames/Pane	47	13	Picture Center DEC	+22h 40m 40.38s	
H / V Panes	1	1	FoV measured H/V [°]	2° 14' 55.9"	1° 30' 10.7"
Exp. [s] / Frame	180		Above horizon [°]	0	
Total Time / Pane [min]	39,00	39,00	View Direction	N	

Camera Data	ZWO Optical	ASI2600MCAir	ZWOASI2600
Camera Angle [°]	0	Pixel Pitch [µm]	3,761
Gain or ISO	100	Camera Temp. °C	-10

Observation Site			
Observation Start	2025-03-18T19:45:36 UTC+/- +1h	Observation End	2025-03-18T22:31:31
Observation Site	DE Göttingen MBR	Site Elevation / Bortle	182 4
Province	NDS	Site Coordinates	51° 34' N, 9° 56' E

Sky & Moon						
Sky Index Total Clouds	4,5	0	%	Moon Rise Set	23:35:00	07:25:00
Outside Temp. °C	2			Moon Age [d]	18,4	
Moon Phase % Illum.	3rd quarter	82	%	Moon ► Target Dist.	UNKNOWN	

Optical Configuration	TS600ASI2600i	TS600ASI2600T281	
Lens or Scope	TSO APO 90/600	Focuser	M90 TS600 Rack + Pinion
Type Of Build	APO Triplet Refractor	Focuser Position [mm]	29,89 EAF Steps 10307
Brand	TS-Optics	Optical Factor	1
Additional Optics	M63 WO Rotator	FoL norm actual [mm]	599 599
Filter	Optolong 2" L-eNhanche	DawesLimitLink	1,74 Arcsec
Diameter [mm]	90	Optical Scale ["/px]	1,295
Aperture / f-stop	6,66		

Other Hardware & Software			
GuideScope	ASI2600 Guide Sensor	Mount	ZWO AM3
GuiderHW	ASIAIR Pro	SessionControl	ASIAIR Pro
GuiderSW	ASiAir App	PostProcessingSW	PixInsight, BlurXTerminator, NoiseXTerminator, GraXpert

More ...	
Work Folder	2025\20250318_IC443_0371_GOE-MBR
Comment	
Remarks	1. Session Planning

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2. Location and sky

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3. Session Results

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4. Plate Solving and Camera Rotation Results

```
Projection ..... Gnomonic
Projection origin ..... [3123.524345 2087.489301] px -> [RA: 6
17 30.825 Dec: +22 40 40.38]
Resolution ..... 1.296 arcsec/px
Rotation ..... -80.551 deg
Reference system ..... ICRS
Observation start time ... 2025-03-18 19:00:01 UTC
Observation end time ..... 2025-03-18 21:31:29 UTC
Geodetic coordinates ..... 9 56 07 E 51 34 26 N 0 m
Focal distance ..... 598.44 mm
Pixel size ..... 3.76 um
Field of view ..... 2d 14' 55.9" x 1d 30' 10.7"
Image center ..... RA: 6 17 30.825 Dec: +22 40 40.38
ex: -0.002024 px ey: +0.001055 px
Image bounds:
  top-left ..... RA: 6 15 04.845 Dec: +23 54 30.19
ex: -1.573724 px ey: -1.176833 px
  top-right ..... RA: 6 13 31.889 Dec: +21 41 21.72 ex:
+0.826513 px ey: -1.783317 px
  bottom-left ..... RA: 6 21 33.282 Dec: +23 39 36.20
ex: -1.275169 px ey: +1.749300 px
  bottom-right ..... RA: 6 19 54.220 Dec: +21 26 41.78 ex:
+1.901993 px ey: +0.924363 px
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5. Post Processing

Image selection, registration, background enhancement and color correction were done in PixInsight (Post Processing using PixInsight (starlust.de)).

No further image post processing was required.

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

6. Lessons Learned

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7. Main logfile entries

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