

Object

IC5070

Common Name	Pelican Nebula
Alternate Name	LBN350
Visual Magnitude	8
Distance ► Object	1800 ly
Apparent Size	80 x 70 armin
Object R.A.	20h 51m 00s
Object DEC	+44° 24' 17.0"
WikiLink	https://en.wikipedia.org/wiki/Pelican_Nebula



20211128_IC5070_ASI294_0016-04WM.jpg

Link ► Picture	IC5070_20211128
Description	Bright Nebula
Constellation	Cygnus

Picture Data

Work Status	Published	Quality	****
Format	Photo	Picture Center R.A.	
Tot./Act. Frames/Pane	20	19	
H / V Panes	1	1	
Exp. [s] / Frame	180		
Total Time / Pane [min]	57,00	57,00	
Picture Center DEC			
H/V FoV [°]		0,6739	0,4586
Above horizon [°]		80,81°	
View Direction		SW 22,7°	

Camera Data

ZWO

ASI294MC-Pro

ZWOASI294

Camera Angle [°]	78,77	Pixel Pitch [µm]	4,63
Gain or ISO	120	Camera Temp. °C	-10

Observation Site

Observation Start	2021-11-28T20:26:46 UTC+/- +1h	Observation End	2021-11-28T21:23:45
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	2,8	%	Moon Rise Set	00:00:00	14:02:00
Outside Temp. °C	2		Moon Age [d]	23	
Moon Phase % Illum.	4th quarter	51	%	Moon ► Target Dist.	112,42°

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 1599,51
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	PixInsight

More ...

Work Folder [2021\20211128_IC5070_0016_GOE-MBR](#)

Comment

Remarks

no observation notes available.

Picture # -01 and # -02: Original post-processing in PixInsight done in 2021, process steps not documented.

Picture # -03: new post processing using WBPP, PCC, NoiseXTerminator and

BlurXTerminator, totally different result

Picture # -04: Applied Photoshop tone curve correction to improve contrast and remove the blue glow from a star just outside the image.