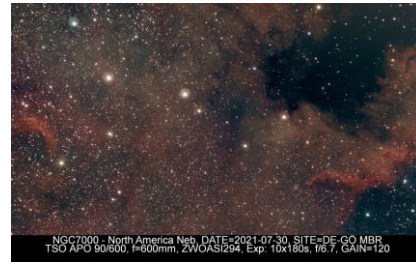


Object	NGC7000
Common Name	North America Nebula
Alternate Name (s)	Caldwell 20
Visual Magnitude	4
Distance ► Object	2590 ly
Apparent Size	120 × 100'
Object R.A.	20h 59m 17.1s
Object DEC	+44° 31' 44"
WikiLink	https://en.wikipedia.org/wiki/North_America_Nebula



20210730_NGC7000_ASI294_0027-01WM.jpg

Link ► Picture	NGC7000_20210730
Description	Emission Nebula
Constellation	Cygnus

Picture Data

Work Status	Published	Rating	****
Source Format	Photo	Picture Center R.A.	
Tot./Act. Frames/Pane	10 10	Picture Center DEC	
H / V Panes	1 1	H/V FoV [°]	1,8268 1,2434
Exp. [s] / Frame	180	Above horizon [°]	0
Total Time / Pane [min]	30,00 30,00	View Direction	N

Camera Data

	ZWO Optical	ASI294MC-Pro	ZWOASI294
Camera Angle [°]	268,55	Pixel Pitch [µm]	4,63
Gain or ISO	120	Camera Temp. °C	10

Observation Site

Observation Start	2021-07-30T23:47:00 UTC+/- +1h	Observation End	2021-07-31T00:17:36
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	05:39:00 21:14:00
Outside Temp. °C	18		Moon Age [d]	21
Moon Phase % Illum.	3rd quarter 56	%	Moon ►Target Dist.	0

Optical Configuration

	TS600AS294-E5	TS600ASI294T246	
Lens or Scope	TSO APO 90/600	Focuser	M90 TS600 Rack + Pinion
Type Of Build	APO Triplet Refractor	Focuser Position [mm]	0,00 EAF Steps 0
Brand	TS-Optics	Optical Factor	1
Additional Optics	-	FoL norm actual [mm]	599 599
Filter	OIII	DawesLimitLink	1,74 Arcsec
Diameter [mm]	90	Optical Scale ["/px]	1,595
Aperture / f-stop	6,66		

Other Hardware & Software

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

More ...

Work Folder	2021\20210730_NGC7000_0027_GOE-MBR
Comment	
Remarks	missing