

ObservationReport

ObservationID

0020

on

2022-03-20 22:53

all measures in mm



Object	NGC4236
Common Name	
Alternate Name (s)	Caldwell 3
Visual Magnitude	10,5
Distance ► Object	11,7 Mly
Apparent Size	23,5x6,8'
Object R.A.	12h 16m 42.1s
Object DEC	+69° 27' 45"
WikiLink	https://en.wikipedia.org/wiki/NGC_4236



20220320_NGC4236_ASI294_0020-02WM.jpg

Link ► Picture	NGC4236_20220320
Description	Barred spiral galaxy
Constellation	Draco

Picture Data

Work Status	Published	Quality	***	
Source Format	Photo	Picture Center R.A.		
Tot./Act. Frames/Pane	19	19		
H / V Panes	1	1		
Exp. [s] / Frame	180	H/V FoV [°]	0,6739 0,4586	
Total Time / Pane [min]	57,00	57,00	Above horizon [°]	67,3°
			View Direction	NE 27,4°

Camera Data

	ZWO Optical	ASI294MC-Pro	ZWOASI294
Camera Angle [°]	273,72	Pixel Pitch [µm]	4,63
Gain or ISO	180	Camera Temp. °C	-10

Observation Site

Observation Start	2022-03-20T22:53:40 UTC+/- +1h	Observation End	2022-03-20T23:50:38
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	22:38:00 08:01:00	
Outside Temp. °C	7		Moon Age [d]	20,2	
Moon Phase % Illum.	3rd quarter	76	%	Moon ► Target Dist.	99°

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 1598,28
Filter	ClearSky	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	LrC, PS, PixInsight

More ...

Work Folder	2022\20220320_NGC4236_0020_GOE-MBR
Comment	
Remarks	Poor image quality due to focusing problems as a result of poor telescope collimation (the focal length is far from the nominal value!) The telescope needs collimation! The sky was quite bright despite the relatively good seeing index - so the final image is of relatively poor quality.

