

ObservationReport

ObservationID

0019

on

2022-03-22 23:56

all measures in mm



Object	M3
Common Name	
Alternate Name (s)	NGC5272
Visual Magnitude	6,19
Distance ► Object	33 kly
Apparent Size	18'
Object R.A.	13h 42m 11.62s
Object DEC	28° 22' 38.2"
WikiLink	https://en.wikipedia.org/wiki/Mesier_3



20220322_M3_ASI294_0019-01WM.jpg

Link ► Picture	M3_20220322
Description	Globular Cluster
Constellation	Canes Venatici

Picture Data

Work Status	Published	Quality	***	
Source Format	Photo	Picture Center R.A.	13h 42m 19.617s	
Tot./Act. Frames/Pane	20	18	Picture Center DEC	+28° 21' 57.28"
H / V Panes	1	1	H/V FoV [°]	0,6739 0,4586
Exp. [s] / Frame	180		Above horizon [°]	58,7°
Total Time / Pane [min]	54,00	54,00	View Direction	E78,7°

Camera Data

	ZWO Optical	ASI294MC-Pro	ZWOASI294
Camera Angle [°]	-86,09	Pixel Pitch [µm]	4,63
Gain or ISO	120	Camera Temp. °C	-10

Observation Site

Observation Start	2022-03-22T23:56:07 UTC+/- +1h	Observation End	2022-03-23T01:05:33
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.	60°

Optical Configuration

	TS1624AS294c	TS1624ASI294cT235	
Lens or Scope	TSO RC 203/1624	Finder	2.5" Crayford
Type Of Build	Ritchey-Chretien Reflector	Finder 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		PostProcessingSW	LrC, PS, PixInsight

More ...

Work Folder	2022\20220322_M3_0019_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.