

ObservationReport

ObservationID

0011

on

2022-03-02 21:12

all measures in mm



Object	M35
Common Name	Star Cluster
Alternate Name (s)	NGC2168
Visual Magnitude	5,09
Distance ► Object	3000 ly
Apparent Size	40.0'
Object R.A.	06h 10m 14.69s
Object DEC	+24° 19' 47.4"
WikiLink	https://en.wikipedia.org/wiki/Mesier_35



20220302_M35_ASI294_0011-01WM.jpg

Link ► Picture	M35_20220302
Description	Open Star Cluster
Constellation	Gemini

Picture Data

Work Status	Published	Quality	****		
Source Format	Photo	Picture Center R.A.	06h 09m 05.484s		
Tot./Act. Frames/Pane	20	14	Picture Center DEC	+24° 21' 06.754"	
H / V Panes	1	1	H/V FoV [°]	0,6739	0,4586
Exp. [s] / Frame	180	Above horizon [°]	52,9°		
Total Time / Pane [min]	42,00	42,00	View Direction	SW 230,7°	
Camera Data	ZWO Optical	ASI294MC-Pro	ZWOASI294		
Camera Angle [°]	81,94	Pixel Pitch [µm]	4,63		
Gain or ISO	120	Camera Temp. °C	-10		

Observation Site

Observation Start	2022-03-02T21:12:09 UTC+/- +1h	Observation End	2022-03-02T22:09:07	
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	07:37:00	17:46:00
Outside Temp. °C	0		Moon Age [d]	29,2	
Moon Phase % Illum.	new	0,1	%	Moon ► Target Dist.	108°

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	1600,213	
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	LrC, PS, PixInsight

More ...

Work Folder [2022\20220302_M35_0011_GOE-MBR](#)

Comment

Remarks

It was one of the clearest nights since several months, but the Seeing Index2 (2) on Meteoblue already indicated problems, resulting in a light blurr ove most parts of the picture.

During the frame selection process, 14 out of 20 frames have been used for integration.

Measured focal length: 1600mm (EF position unknown)