

Object	M82
Common Name	Cigar Galaxy
Alternate Name (s)	NGC3034
Visual Magnitude	8,02
Distance ► Object	12 Mly
Apparent Size	11.0x5.1'
Object R.A.	09h 57m 41.05s
Object DEC	+69° 34' 32.4"
WikiLink	https://en.wikipedia.org/wiki/Messier_82



20220310_M82_ASI294_0008-03WM.jpg

Link ► Picture	M82_20220310
Description	Spiral Galaxy
Constellation	Ursa Major

Picture Data

Work Status	Published	Quality	****
Source 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 [°]		65° 06'	
View Direction		NE 30° 01'	
Camera Data	ZWO Optical	ASI294MC-Pro	ZWOASI294
Camera Angle [°]	301,88	Pixel Pitch [µm]	4,63
Gain or ISO	120	Camera Temp. °C	-10

Observation Site

Observation Start	2022-03-10T21:13:05 UTC+/- +1h	Observation End	2022-03-10T22:10:03
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	11:17:00	00:53:00
Outside Temp. °C	6		Moon Age [d]	7,7	
Moon Phase % Illum.	1st quarter	53,4	%	Moon ►Target Dist.	57° 11'

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
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\20220310_M82_0008_GOE-MBR](#)

Comment

Remarks 2nd attempt to photograph the M82 Galaxy. Sky quality was quite good but the moon started to illuminate the entire sky. Used PixInsight for the first steps (image inegration and photometric color correction) and Phtoshop to enhance some of the orange / brown stripes of the M82 galaxy.

