

# ObservationReport

ObservationID

8

on 2022-03-10 21:13

**Object** M82  
CommonName Cigar Galaxy  
Alternate NGC3034  
Description Spiral Galaxy  
Constellation Ursa Major  
Visual Magnitude 8,02  
Apparent Size 11.0x5.1 arcmin  
Distance ► Object 12 Mly  
Object R.A. 09h 57m 41.05s  
Object DEC +69° 34' 32.4"  
Picture Center R.A.  
Picture Center DEC  
WikiLink [https://en.wikipedia.org/wiki/Messier\\_82](https://en.wikipedia.org/wiki/Messier_82)



20220310\_M82\_ZWOASI1294\_0001\_03.jpg

Work Status Published  
Link ► Picture [M82\\_20220310](#)  
Quality \*\*\*\*  
Format: Photo  
Horizontal FoV [°] 0,6739  
Vertical FoV [°] 0,4586  
View Direction NE 30° 01'  
Above horizon [°] 65° 06'

**Observation Start** 2022-03-10T21:13:05 UTC +1h **Observation End** 2022-03-10T22:10:03

**Observation Site** Göttingen MBR Country Code DE  
Province NDS Elevation 182  
Site Coordinates 51° 34' N, 9° 56' E Bortle Index 5

**Sky Quality** 1,37 Outside Temp. °C 6  
Seeing Index 1 5 Seeing Index 2 4

**Moon Phase** 1st quarter Moon Age [d] 7,7  
Moon Percent % 53,4 Distance ► Target 57° 11'  
MoonRise 11:17:00 MoonSet 00:53:00

**Camera** ASI294MC PRO Gain or ISO 120  
Camera Angle 301,88 Camera Temp. °C -10  
Pixel Pitch [µm] 4,63

**Total Exposures** 20 Exposure Time [s] 180  
ActiveFrames 19 Total Time [min] 57

**Optical Config.** Config218N FocalLength [mm] 1624  
Short Descript. TSO RC 203/1624 Diameter [mm] 203  
Type Of Build Ritchey-Chretien Reflector Aperture / f-stop 8,00  
Brand TS-Optics [DawesLimitLink](#) [1,45 Arcsec](#)  
Additional Optics 100mm Extender Optical Scale ["/px] 0,588  
Filter NONE

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

Work Folder [F:\FotosLibrary\Astro\2022 Astro\M82\20220310-211305](#)

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 integration and photometric color correction) and Photoshop to enhance some of the orange / brown stripes of the M82 galaxy.