

# ObservationReport

ObservationID

**0038**

on

2021-08-14 22:40

all measures in mm



<b>Object</b>	<b>M101</b>
Common Name	Pinwheel Galaxy
Alternate Name (s)	NGC5457
Visual Magnitude	7,86
Distance ► Object	20,9 Mly
Apparent Size	28.8' × 26.9'
Object R.A.	14h 03m 12.6s
Object DEC	+54° 20' 57"
WikiLink	<a href="https://en.wikipedia.org/wiki/Pinwheel_Galaxy">https://en.wikipedia.org/wiki/Pinwheel_Galaxy</a>



20210814\_M101\_ASI294\_0038-05WM.jpg

Link ► Picture	<a href="#">M101_20210814</a>
Description	Spiral Galaxy
Constellation	Ursa Major

## Picture Data

Work Status	Published	Rating	***		
Source Format	Photo	Picture Center R.A.			
Tot./Act. Frames/Pane	30	22	Picture Center DEC		
H / V Panes	1	1	H/V FoV [°]	1,8268	1,2434
Exp. [s] / Frame	180	Above horizon [°]	0		
Total Time / Pane [min]	66,00	66,00	View Direction	N	

## Camera Data

	<b>ZWO Optical</b>	<b>ASI294MC Pro</b>	<b>ZWOASI294</b>
Camera Angle [°]	0	Pixel Pitch [µm]	4,63
Gain or ISO	120	Camera Temp. °C	-10

## Observation Site

Observation Start	2021-08-14T22:40:59 UTC+/- +1h	Observation End	2021-08-15T00:18:28	
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	UNKNOWN	%	Moon Rise   Set	11:44:00	22:58:00
Outside Temp. °C	UNKNOWN		Moon Age [d]	5,4	
Moon Phase  % Illum.	1st quarter	30,1	%	Moon ► Target Dist.	0

## Optical Configuration

	<b>TS600AS294-E5</b>	<b>TS600ASI294T246</b>			
Lens or Scope	TSO APO 90/600	Focuser	M90 TS600 Rack + Pinion		
Type Of Build	APO Triplet Refractor	Focuser Position [mm]	0,00	EAF Steps	0
Brand	TS-Optics	Optical Factor	1		
Additional Optics	-	FoL norm actual [mm]	599	599	
Filter	OIII	<a href="#">DawesLimitLink</a>	<a href="#">1,74 Arcsec</a>		
Diameter [mm]	90	Optical Scale ["/px]	1,595		
Aperture / f-stop	6,66				

## Other Hardware & Software

GuideScope	NONE	Mount	iOptron iEQ45 Pro
GuiderHW	ASiAirPro	SessionControl	ASiAirPro
GuiderSW	NONE	PostProcessingSW	PixInsight

## More ...

Work Folder	<a href="#">2021\20210814_M101_0038_GOE-MBR</a>
Comment	
Remarks	some low haze due to high humidity, seeing index > 1.56