

# ObservationReport

ObservationID

18

on 2022-03-22 20:36

<b>Object</b>	M51
CommonName	Whirlpool Galaxy
Alternate	NGC5194, NGC5195
Description	Spiral Galaxy
Constellation	Canes Venatici
Visual Magnitude	7,92
Apparent Size	13,7x11,7 arcmin
Distance ► Object	28 Mly
Object R.A.	13h 30m 48,42s
Object DEC	+47° 04' 54.7"
Picture Center R.A.	13h 29m 56.167s
Picture Center DEC	+47° 11' 23.39"
WikiLink	<a href="https://en.wikipedia.org/wiki/Whirlpool_Galaxy">https://en.wikipedia.org/wiki/Whirlpool_Galaxy</a>



20220322\_M51\_ZWOAS294\_0001\_07.jpg

Work Status	Published
Link ► Picture	<a href="#">M51_20220322</a>
Quality	***
Format:	Photo
Horizontal FoV [°]	0,6739
Vertical FoV [°]	0,4586
View Direction	E 78,7°
Above horizon [°]	58,7°

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<b>Observation Start</b>	2022-03-22T20:36:01	UTC +1h	Observation End	2022-03-22T21:48:53
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<b>Observation Site</b>	Göttingen MBR	Country Code	DE
Province	NDS	Elevation	182
Site Coordinates	51° 34' N, 9° 56' E	Bortle Index	5

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<b>Sky Quality</b>	1,09	Outside Temp. °C	7
Seeing Index 1	4	Seeing Index 2	2

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<b>Moon Phase</b>	3rd quarter	Moon Age [d]	20,2
Moon Percent %	76	Distance ► Target	76° 41'
MoonRise	22:38:00	MoonSet	08:01:00

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<b>Camera</b>	ASI294MC PRO	Gain or ISO	180
Camera Angle	-86214	Camera Temp. °C	-10
Pixel Pitch [µm]	4,63		

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<b>Total Exposures</b>	22	Exposure Time [s]	180
ActiveFrames	6	Total Time [min]	18

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<b>Optical Config.</b>	Config218CS	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	<a href="#">DawesLimitLink</a>	<a href="#">1,45 Arcsec</a>
Additional Optics	100mm Extender	Optical Scale ["/px]	0,588
Filter	ClearSky		

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GuideScope	Microspeed 50/200	Mount	iOptron iEQ45 Pro
PostProcessingSW	PicInsight, Phtoshop	GuiderHW	ASiAirPro
GuiderSW	None	SessionControl	ASiAirPro

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Work Folder [F:\FotosLibrary\Astro\2022 Astro\M51\20220322-203601](#)

Remarks Had to discard most of the 22 frames due to guiding, tracking and focusing issues, also the collimation of the telescope needs to be corrected. The sky was rather bright despite the relatively good seeing index - the final image is therefor only of relativelypoor quality.