

# ObservationReport

ObservationID

0033

on

2021-09-06 23:14

all measures in mm



<b>Object</b>	<b>M31</b>
Common Name	Andromeda Galaxy
Alternate Name (s)	NGC224
Visual Magnitude	3,44
Distance ► Object	2,45 Mly
Apparent Size	3.167° × 1°
Object R.A.	00h 43m 15s
Object DEC	+41° 16' 9"
WikiLink	<a href="https://en.wikipedia.org/wiki/Andromeda_Galaxy">https://en.wikipedia.org/wiki/Andromeda_Galaxy</a>



20210906\_M31\_ASI294\_0033-06WM.jpg

Link ► Picture	<a href="#">M31_20210906</a>
Description	Spiral Galaxy
Constellation	Andromeda

## Picture Data

Work Status	Published	Rating	****
Source Format	Photo	Picture Center R.A.	
Tot./Act. Frames/Pane	20 20	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]	60,00 60,00	View Direction	N
<b>Camera Data</b>	<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	2021-09-06T23:14:58 UTC+/- +h	Observation End	2021-09-07T00:18:01
Observation Site	ES La Palma Jardin	Site Elevation /Bortle	470 3
Province	La Palma	Site Coordinates	28° 38' 52.0" N, 017° 53' 4

## Sky & Moon

Sky Index   Total Clouds	3,5	%	Moon Rise   Set	05:23:00 20:14:00
Outside Temp. °C	21		Moon Age [d]	29,5
Moon Phase  % Illum.	New	0,2 %	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	Omegon 50/200	Mount	iOptron iEQ45 Pro
GuiderHW	ASiAirPro	SessionControl	ASiAirPro
GuiderSW	NONE	PostProcessingSW	PixInsight, LrC, PS

## More ...

Work Folder [2021\20210906\\_M31\\_0033\\_La-Palma-Jardin](#)

Comment

Remarks Medium sky quality, seeing index 0,66 but slight haze in the higher upper atmosphere resulted in strong halos around the stars. Frames where taken at La Palma Jardin (El Paso), on La Palma. Camera rotation was not optimal, galaxy didn't quite fit.