

ObservationReport

ObservationID

33

on 2021-09-06 23:14

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|-------------------|-------------------------------------------------------------------------------------------------------------|
| Object | M31 |
| CommonName | Andromeda Galaxy |
| Alternate | NGC224 |
| Description | Spiral Galaxy |
| Constellation | Andromeda |
| Visual Magnitude | 0 |
| Apparent Size | 3.167° × 1° |
| Distance ► Object | 2,45 Mly |
| RA-Coordinates | 00h 43m 15s |
| DEC-Coordinates | +41° 16' 9" |
| WikiLink | https://en.wikipedia.org/wiki/Andromeda_Galaxy |



20210906_M31_ZWOASI294_0001-06.jpg

| | |
|--------------------|------------------------------|
| Work Status | PostProcessed |
| Link ► Picture | M31_20210906 |
| Quality | **** |
| Format: | |
| Horizontal FoV [°] | 1,8238 |
| Vertical FoV [°] | 1,2414 |
| View Direction | N |
| Above horizon [°] | 0 |

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|--------------------------|---------------------|---------|-----------------|---------------------|
| Observation Start | 2021-09-06T23:14:58 | UTC +1h | Observation End | 2021-09-07T00:18:01 |
|--------------------------|---------------------|---------|-----------------|---------------------|

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|-------------------------|---------------------------------|--------------|-----|
| Observation Site | La Palma Jardin | Country Code | ES |
| Province | La Palma | Elevation | 470 |
| Site Coordinates | 28° 38' 52.0" N, 017° 53' 47.9" | Bortle Index | 2 |

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|--------------------|------|------------------|----|
| Sky Quality | 0,66 | Outside Temp. °C | 21 |
| Seeing Index 1 | 4 | Seeing Index 2 | 3 |

| | | | |
|-------------------|-------------|-------------------|----------|
| Moon Phase | 1st quarter | Moon Age [d] | 2 |
| Moon Percent % | 10,2 | Distance ► Target | 0 |
| MoonRise | 07:07:00 | MoonSet | 19:49:00 |

| | | | |
|------------------|--------------|-----------------|-----|
| Camera | ASI294MC PRO | Gain or ISO | 120 |
| Camera Angle | 0 | Camera Temp. °C | -10 |
| Pixel Pitch [µm] | 4,63 | | |

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|------------------------|----|-------------------|-----|
| Total Exposures | 20 | Exposure Time [s] | 180 |
| ActiveFrames | 20 | Total Time [min] | 60 |

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|------------------------|-----------------------|--------------------------------|-----------------------------|
| Optical Config. | Config116N | FocalLength [mm] | 600 |
| Short Descript. | TSO APO 90/600 | Diameter [mm] | 90 |
| Type Of Build | APO Triplet Refractor | Aperture / f-stop | 6,67 |
| Brand | TS-Optics | DawesLimitLink | 1,74 Arcsec |
| Additional Optics | 50mm Extender | Optical Scale ["/px] | 1,592 |
| Filter | NONE | | |

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

Work Folder [F:\FotosLibrary\ Astro\2021 Astro\M31\20210906 M31](#)

Remarks Medium sky quality, seeing index 0,66 but slight haze in the higher upper atmosphere resulted in strong halos around the stars. Frames were taken at La Palma Jardin (El Paso), on La Palma. Camera rotation was no quite optimal, galaxy didn't quite fit.