

ObservationReport

ObservationID

0190

on

2020-04-06 22:46

all measures in mm



| | |
|--------------------|---|
| Object | IC405 |
| Common Name | Flaming Star Nebula |
| Alternate Name (s) | Caldwell 31 |
| Visual Magnitude | 6 |
| Distance ► Object | 1500 ly |
| Apparent Size | 37' × 10' |
| Object R.A. | 05h 16m 05s |
| Object DEC | +34° 27' 49" |
| WikiLink | https://en.wikipedia.org/wiki/IC_405 |



20200406_IC405_ASI294_0190-02WM.jpg

| | |
|----------------|--------------------------------|
| Link ► Picture | IC405_20200406 |
| Description | Emission nebula |
| Constellation | Auriga |

Picture Data

| | | | |
|-------------------------|-------------|---------------------|---------------|
| Work Status | Published | Rating | *** |
| Source Format | Photo | Picture Center R.A. | 05 16 31.650 |
| Tot./Act. Frames/Pane | 10 10 | Picture Center DEC | +34 20 53.50 |
| H / V Panes | 1 1 | H/V FoV [°] | 2,4356 1,6579 |
| Exp. [s] / Frame | 120 | Above horizon [°] | 0 |
| Total Time / Pane [min] | 20,00 20,00 | View Direction | N |

Camera Data

| | | | |
|------------------|--------------------|---------------------|------------------|
| | ZWO Optical | ASI294MC Pro | ZWOASI294 |
| Camera Angle [°] | -98,39 | Pixel Pitch [µm] | 4,63 |
| Gain or ISO | 120 | Camera Temp. °C | -10 |

Observation Site

| | | | |
|-------------------|--------------------------------|------------------------|-----------------------------|
| Observation Start | 2020-04-06T22:46:59 UTC+/- +1h | Observation End | 2020-04-06T22:26:43 |
| Observation Site | DE Göttingen Eifelweg | Site Elevation /Bortle | 140 5 |
| Province | NDS | Site Coordinates | 51° 31' 43" N, 9° 54' 14,9" |

Sky & Moon

| | | | |
|--------------------------|-------------|--------------------|---------|
| Sky Index Total Clouds | UNKNOWN % | Moon Rise Set | |
| Outside Temp. °C | UNKNOWN | Moon Age [d] | 0 |
| Moon Phase % Illum. | UNKNOWN 0 % | Moon ►Target Dist. | UNKNOWN |

Optical Configuration

| | | | |
|-------------------|-----------------------|--------------------------------|-----------------------------|
| | TS600AS294-R | TS600ASI294T202R75 | |
| 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 | 0,75 |
| Additional Optics | Riccardi 0,75 Reducer | FoL norm actual [mm] | 449,25 449,25 |
| Filter | - | DawesLimitLink | 2,32 Arcsec |
| Diameter [mm] | 90 | Optical Scale ["/px] | 2,126 |
| Aperture / f-stop | 4,99 | | |

Other Hardware & Software

| | | | |
|------------|---------------|------------------|-------------------|
| GuideScope | Omegon 50/200 | Mount | iOptron iEQ45 Pro |
| GuiderHW | - | SessionControl | SGPro |
| GuiderSW | PHD2 | PostProcessingSW | LrC, PixInsight |

More ...

| | |
|-------------|---|
| Work Folder | 2020\20200406_IC405_0190_GOE-Eifelweg |
| Comment | |
| Remarks | acceptable seeing conditions, but target too close to the horizon and near full moon, 70° East of IC405 |