

ObservationReport

all measures in mm

ObservationID

0154

on

2022-10-24 03:11

Object	M45
Common Name	Pleiades
Alternate Name (s)	
Visual Magnitude	1,6
Distance ► Object	444 ly
Apparent Size	110 '
Object R.A.	03h 47m 24s[
Object DEC	+24° 07' 00"
WikiLink	https://en.wikipedia.org/wiki/Pleiades



20221024_M45_ASI294_0154-02WM.jpg

Link ► Picture	M45_20221024
Description	Open Star Cluster
Constellation	Taurus

Picture Data

Work Status	Published	Quality	****
Source Format	Photo	Picture Center R.A.	3 46 50.306
Tot./Act. Frames/Pane	30 30	Picture Center DEC	+24 09 38.23
H / V Panes	1 1	H/V FoV [°]	1,8268 1,2434
Exp. [s] / Frame	180	Above horizon [°]	0
Total Time / Pane [min]	90,00 90,00	View Direction	N
Camera Data	ZWO	ASI294MC-Pro	ZWOASI294
Camera Angle [°]	-167,126	Pixel Pitch [µm]	4,63
Gain or ISO	120	Camera Temp. °C	-10

Observation Site

Observation Start	2022-10-24T03:11:48 UTC+/- +h	Observation End	2022-10-24T05:02:00
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	4,5	%	Moon Rise Set		
Outside Temp. °C	17		Moon Age [d]	0	
Moon Phase % Illum.	UNKNOWN	0	%	Moon ►Target Dist.	UNKNOWN

Optical Configuration

TS600AS294	TS600ASI294T252		
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	M63 WO Rotator	FoL norm actual [mm]	599
Filter	-	DawesLimitLink	1,74 Arcsec
Diameter [mm]	90	Optical Scale ["/px]	1,595
Aperture / f-stop	6,66		

Other Hardware & Software

GuideScope	Omegon 50/200	Mount	EQ6R-PRO
GuiderHW	ASiAirPro	SessionControl	ASiAirPro
GuiderSW	ASiAirPro	PostProcessingSW	PixInsight

More ...

Work Folder [2022\20221024_M45_0154_La-Palma-Jardin](#)

Comment

Remarks

[1. Session Planning](#)
Enter Text

[2. Location and sky](#)
Enter Text

3. Session Results

Enter Text

4. Plate Solving and Camera Rotation Results

ASI AIR rotation measurement:

Astrometry.net rotation measurement:

Plate Solve result (ASI AIR):

5. Post Processing

Image selection, registration, background improvement and color correction were done in PixInsight (Post Processing using PixInsight (starlust.de)).

No further image post processing was required.

No color or hue changes have been applied; the final image is showing natural colors.

6. Main logfile entries

Enter Text