

ObservationReport

all measures in mm

Observation-ID

0435

v

01

on

2026-08-12 19:00

Rating

Status

PostProcessed



Main Object

Solar Eclipse

Common Name

Alternate Name

Sonnenfinsternis

Visual Mag. | Size

0,00

Distance

Object R.A. | DEC coord.

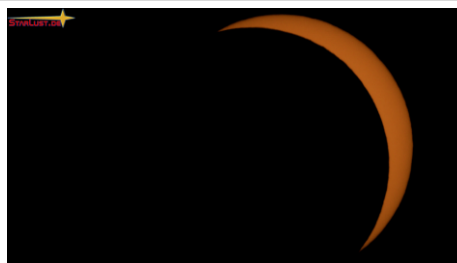
Description

Solar Event

Constellation

Other Objects

LUNA



20260812_Solar-Eclipse_ASI294_0435-01.mp4

StarImage Link

[OID0435](#)

Telescopius Link

Wikipedia Link

Image Properties

Source Format

Video

Tot./Act. Frames/Pane

36

183

H / V Panes

4144

2822

Exp. [s] / Frame

1/1000

Total Time / Pane [min]

35.667,82

0,00

Optical Scale ["/px]

0,7347

Picture Center R.A.

0h 0m 0s

Picture Center DEC

0h 0m 0s

FoV measured H/V [°]

0,842

0,573

Above horizon [°]

10

View Direction

WNW

Camera Data

ZWO Optical

ASI294MC Pro

ZWOASI294

Camera Angle [°]

0

Pixel Pitch [µm]

4,630

Gain or ISO

0

Camera Temp. °C

25

Observation Site

Observation Start

2026-08-12T19:00:00 UTC+/- +1h

Observation End

2026-08-12T20:31:00

Observation Site

DE Göttingen Weende

Site Elevation / Bortle

182

4

Province

NDS

Site Coordinates

9° 56' 11" E; 51° 34' 26" N

Sky & Moon

Sky Index | Total Clouds

4,0

10

%

SQM | Outside Temp. °C

0

26

Moon Phase | % Illum.

?

0

%

Moon Rise | Set

Moon Age [d]

0

Moon ► Target Dist.

0

Optical Configuration

SW1300A294

SW1300ASI294

Lens or Scope

SkyWatcher MC102/1300

Mechanical Focuser

-

Type Of Build

Maksutov Reflector

Electronic Focuser

☐

Brand

SkyWatcher

Focuser Position

0

[mm] 0,00

Additional Optics

-

► Optical Factor

1

Filter

Astrozap Solar

FoL norm|actual [mm]

1300

1300

Diameter [mm]

102

[DawesLimitLink](#)

,91 Arcsec

Aperture / f-stop

12,75

Other Hardware & Software

Guide Scope + Camera

NONE

NONE

Mount

ZWO AM3

GuiderHW

ASIAIR

SessionControl

ASIAIR

GuiderSW

ASIAIR

PostProcessingSW

PI-PixInsight, PI-HT, PI-CT, ThumbsPlus, PIPP, MOVAVI

More ... (see also next page)

Work Folder

[2026\20260812_0435_Solar-Eclipse_Weende](#)

Comment/Title

Solar-Eclipse

Solar Eclipse 2026 on Göttingen-Weende:

Beginn: 19:17 CEST, Max: 20:07 CEST in WNW, Sun only 5% above horizon!
End: at sunset at 20:41h (Sun still partially covered by the moon)

Captured: 183 individual images using ASIAR Autorun, set to a 20-second interval between each image.

The individual shots were combined using PIPP into a video with a frame rate of 5 fps, resulting in a clip length of 26 seconds from approximately 1 1/2 hours of footage. Final conversion to .mp4 and compression to below 10 MB with MOVAVI.