

# ObservationReport

ObservationID

**0024**

on

2021-10-24 20:24

all measures in mm



<b>Object</b>	<b>NGC7023</b>
Common Name	Iris Nebula
Alternate Name (s)	C4, LBN487
Visual Magnitude	6,8
Distance ► Object	9,56 Mly
Apparent Size	21.9 × 12.3'
Object R.A.	07h 36m 51.4s
Object DEC	+65° 36' 09"
WikiLink	<a href="https://en.wikipedia.org/wiki/NGC_2403">https://en.wikipedia.org/wiki/NGC_2403</a>



20211024\_NGC7023\_ASI294\_0024-03WM.jpg

Link ► Picture	<a href="#">NGC7023_20211024</a>
Description	Intermediate spiral galaxy
Constellation	Camelopardali

## Picture Data

Work Status	Published	Rating	****
Source Format	Photo	Picture Center R.A.	21h01m 34.977s
Tot./Act. Frames/Pane	37 33	Picture Center DEC	+68° 10' 27.43"
H / V Panes	1 1	H/V FoV [°]	0,6739 0,4586
Exp. [s] / Frame	180	Above horizon [°]	71,5°
Total Time / Pane [min]	99,00 99,00	View Direction	N338° 51'

## Camera Data

	<b>ZWO Optical</b>	<b>ASI294MC-Pro</b>	<b>ZWOASI294</b>
Camera Angle [°]	357,75	Pixel Pitch [µm]	4,63
Gain or ISO	120	Camera Temp. °C	-10

## Observation Site

Observation Start	2021-10-24T20:24:06 UTC+/- +1h	Observation End	2021-10-24T22:57:50
Observation Site	DE Göttingen MBR	Site Elevation /Bortle	182 5
Province	NDS	Site Coordinates	51° 34' N, 9° 56' E

## Sky & Moon

Sky Index   Total Clouds	2,8	%	Moon Rise   Set	19:51:00 13:09:00
Outside Temp. °C	3		Moon Age [d]	17,3
Moon Phase  % Illum.	3rd quarter 87	%	Moon ►Target Dist.	77°

## Optical Configuration

	<b>TS1624AS294c</b>	<b>TS1624ASI294cT235</b>	
Lens or Scope	TSO RC 203/1624	Focuser	2.5" Crayford
Type Of Build	Ritchey-Chretien Reflector	Focuser Position [mm]	0,00 EAF Steps 0
Brand	TS-Optics	Optical Factor	1
Additional Optics	-	FoL norm actual [mm]	1624 1599
Filter	-	<a href="#">DawesLimitLink</a>	<a href="#">1,45 Arcsec</a>
Diameter [mm]	203	Optical Scale ["/px]	0,588
Aperture / f-stop	8,00		

## Other Hardware & Software

GuideScope	Omegon 50/200	Mount	iOptron iEQ45 Pro
GuiderHW	ASiAirPro	SessionControl	ASiAirPro
GuiderSW	NONE	PostProcessingSW	LrC, PS, PixInsight

## More ...

Work Folder	<a href="#">2021\20211024_NGC7023_0024_GOE-MBR</a>
Comment	
Remarks	Göttingen, Germany. some light haze , seeing index > 1.33, bright moonlight and haze covered most areas of the photo (moon at 87%)