



Oss 11 mei 2019
Astrofotografiedag

Komeetfoto's 2018

NKV 30 Maart 2018
J van Dorp

C/2016 M1 (PanSTARRS)



TLE

11-Aug-18

19:17

2x180s

1600

520mm F/4

3.9d x 2.6d

64P/Swift-Gehrels



BUI, 2-Jan-19 20:43 UT, 3x60s, 17" CDK , iTelescope (Spain)

C/2018 V1 (Machholz-Fujikawa-Iwamoto)



LOO

16-Nov-18

4:49

3s

180mm

21P/Giacobini-Zinner - Johan van Dorp



DOR

1-Sep-18 20:28

16x30s

1600

200mm F/5.6

6.7d x 4.5d

21P/Giacobini-Zinner - Johan van Dorp



DOR

4-Sep-18 21:37

19x30s

1600

200mm F/5.6

6.7d x 4.5d

21P/Giacobini-Zinner - Frans van Loo



LOO

11-Sep-18

1:57

30s

1600

180mm F/4

21P/Giacobini-Zinner - Frans van Loo



LOO

11-Sep-18

0:57

20s

1600

180mm F/4

21P/Giacobini-Zinner - Frans van Loo



21P 20180912 02:09 180mm, f4, 28s, 3200 iso, FVL:Genk

LOO

12-Sep-18

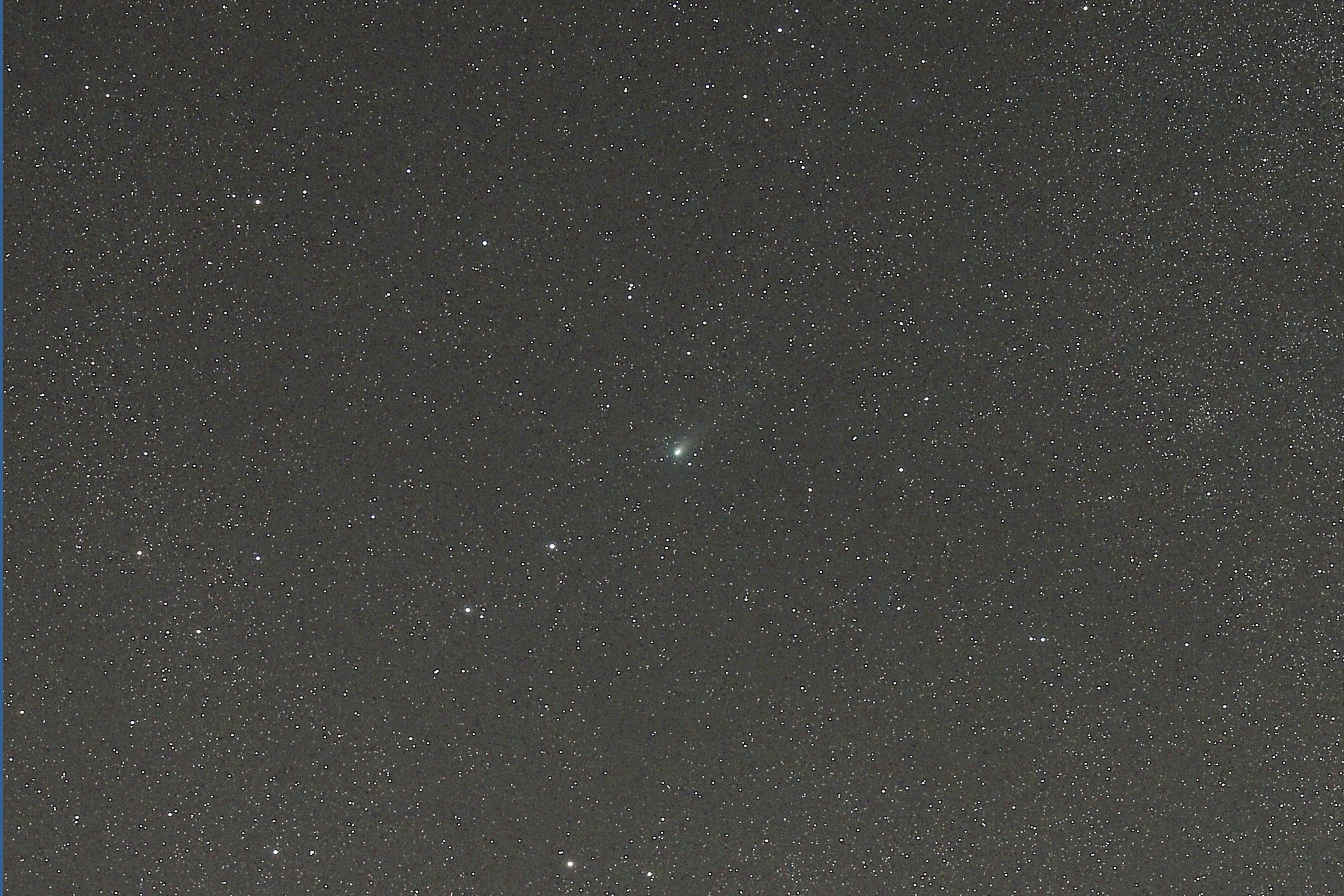
2:09

28s

3200

180mm F/4

21P/Giacobini-Zinner - Jaap van 't Leven



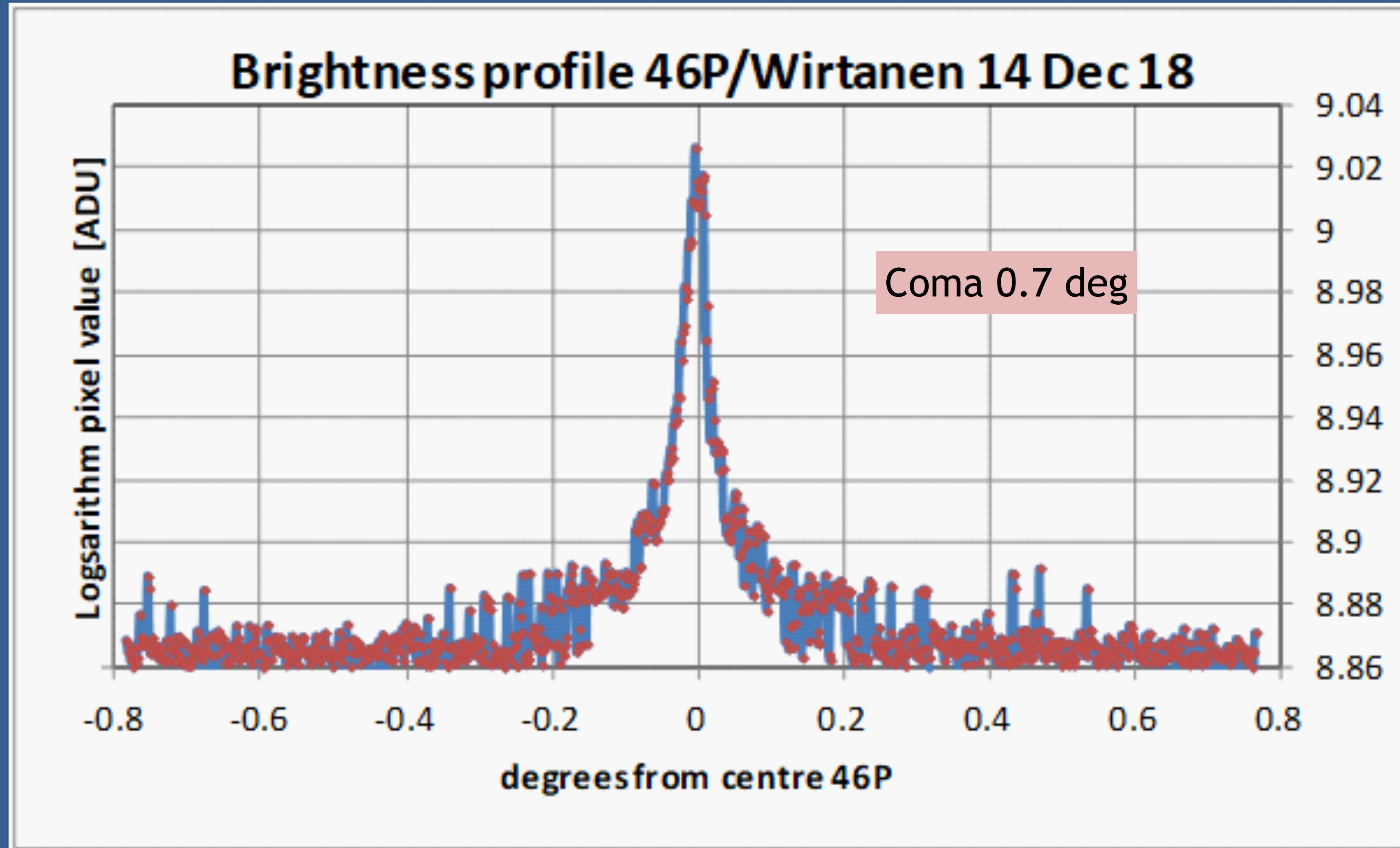
TLE 3-Aug-18 21:57 6x30s 1600 135mm F/2.5 15d x 10d

46P/Wirtanen - Johan van Dorp



DOR, 14-Dec-18 17:08 UT , 20x30s, 800 ISO, 200mm F/5.6 - $6.7^{\circ} \times 4.5^{\circ}$,
iOptron SkyTracker, Astro Pixel Processor / DeepSky Stacker / AIP4WIN

46P/Wirtanen



DOR

14-Dec-18

17:08

20x30s

800

200mm F/5.6

6.7d x 4.5d

46P/Wirtanen - Frans van Loo



20181217 19:38, 10s 50mm f/4 HoyaAMC 85

46P, FVL

LOO

17-Dec-18

19:38

10s

50mm F/4

46P/Wirtanen - Frans van Loo



46P 181217 19:58 180mm 6s 2.8 filt H85 FVL Genk

LOO

17-Dec-18

19:58 6s

180mm F/2.8

46P/Wirtanen - Frans van Loo

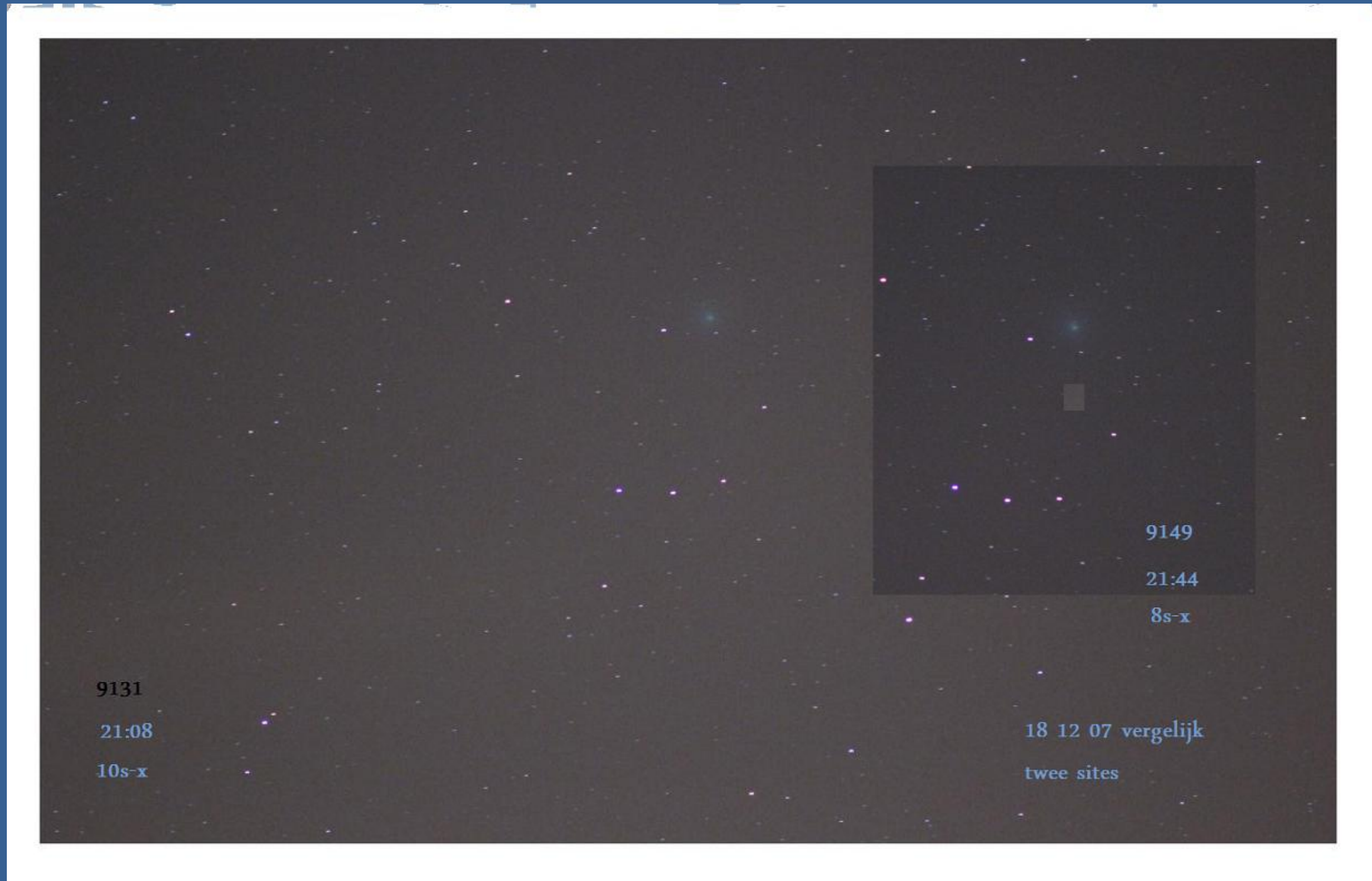


LOO

26-Dec-18

19:19

46P/Wirtanen - Frans van Loo



LOO 7-Dec-18 21:08 10s

46P/Wirtanen - Frans van Loo



L00 7-Dec-18

46P/Wirtanen - Boelie Boelens

BOE
7-Dec-1823:00
20s
1600 ISO
250mm telelens & Canon EOS 30D



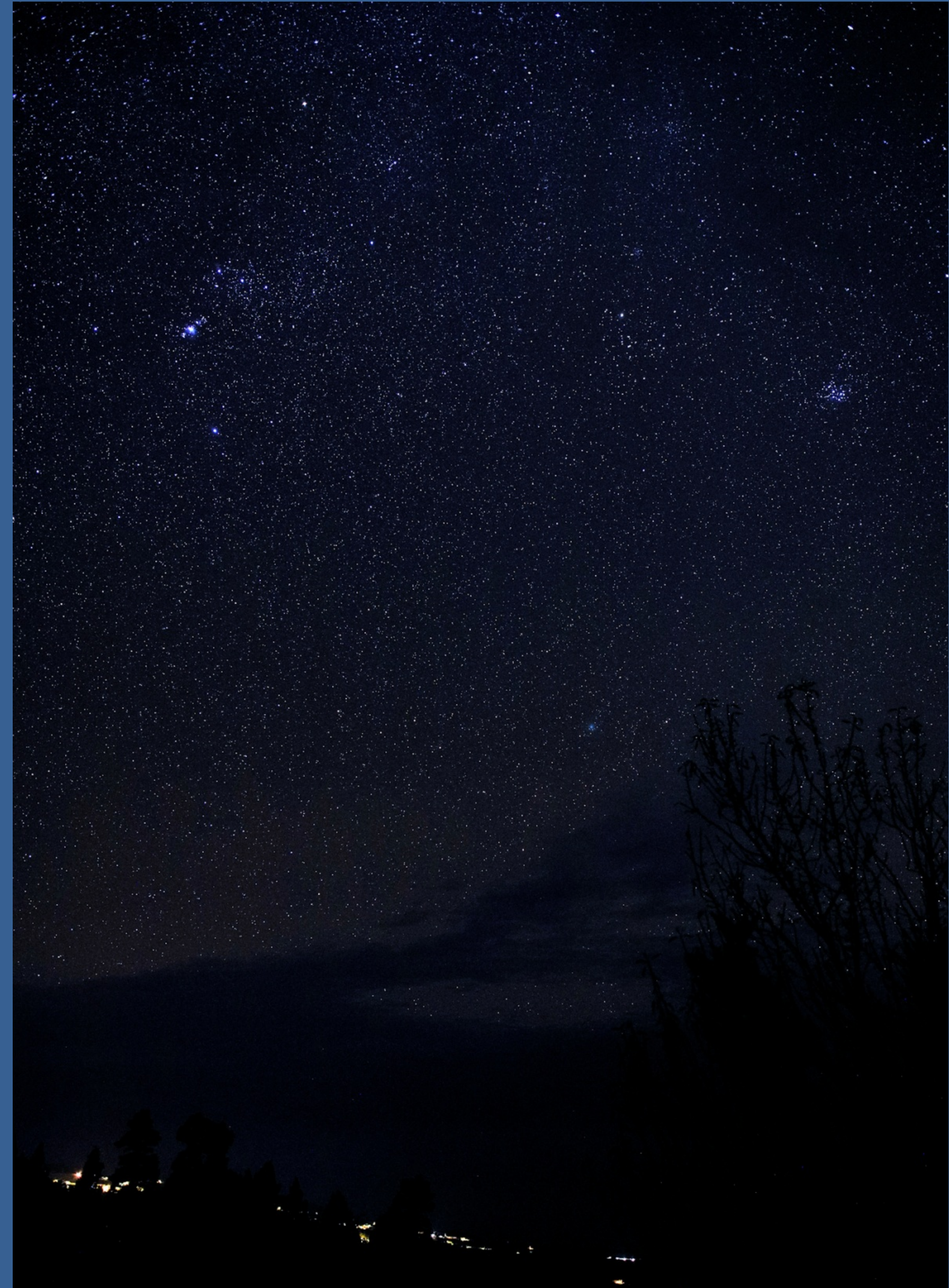
46P/Wirtanen - Jaap van 't Leven

TLE
9-Aug-18
3x180s
1600
520mm F/4
0.8d x 0.8d



46P/Wirtanen - Jaap van 't Leven

TLE, La Palma
Canon 6D Mk-II
10-Dec-18 3:15 UT
5s
6400
20mm F/2
84d x 62d



46P/Wirtanen - Jaap van 't Leven



TLE

10-Dec-18

21:39

45s

3200

135mm F/2.5

15d x 10d

46P/Wirtanen - Jaap van 't Leven



TLE

10-Dec-18

21:29

30s

3200

135mm F/2.2

15d x 10d

46P/Wirtanen - Jaap van 't Leven



TLE

11-Dec-18

22:30

45s

3200

135mm F/2.5

15d x 10d

46P/Wirtanen - Jaap van 't Leven



TLE

12-Dec-18

23:01

45s

3200

135mm F/2.5

15d x 10d

46P/Wirtanen - Jaap van 't Leven



TLE

14-Dec-18

3:38

45s

3200

135mm F/2.5

15d x 10d

46P/Wirtanen - Jaap van 't Leven



TLE

15-Dec-18

0:34

45s

3200

135mm F/2.2

15d x 10d

46P/Wirtanen - Jaap van 't Leven



TLE

15-Dec-18

0:52

45s

3200

135mm F/2.2

15d x 10d

46P/Wirtanen - Jaap van 't Leven



TLE

16-Dec-18

2:15

45s

3200

135mm F/2.2

15d x 10d

46P/Wirtanen - Jaap van 't Leven



TLE

16-Dec-18

2:10

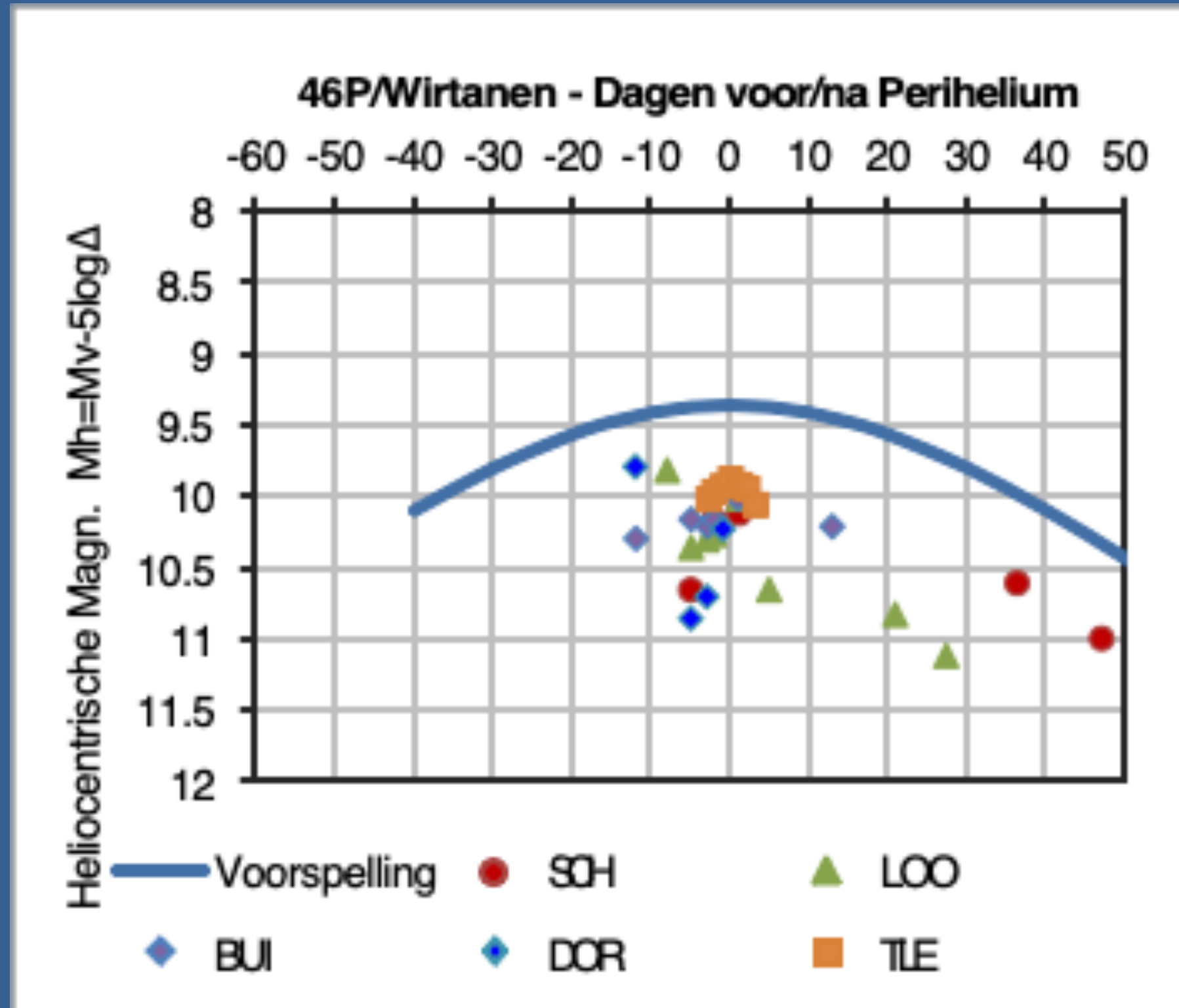
9x120s

1600

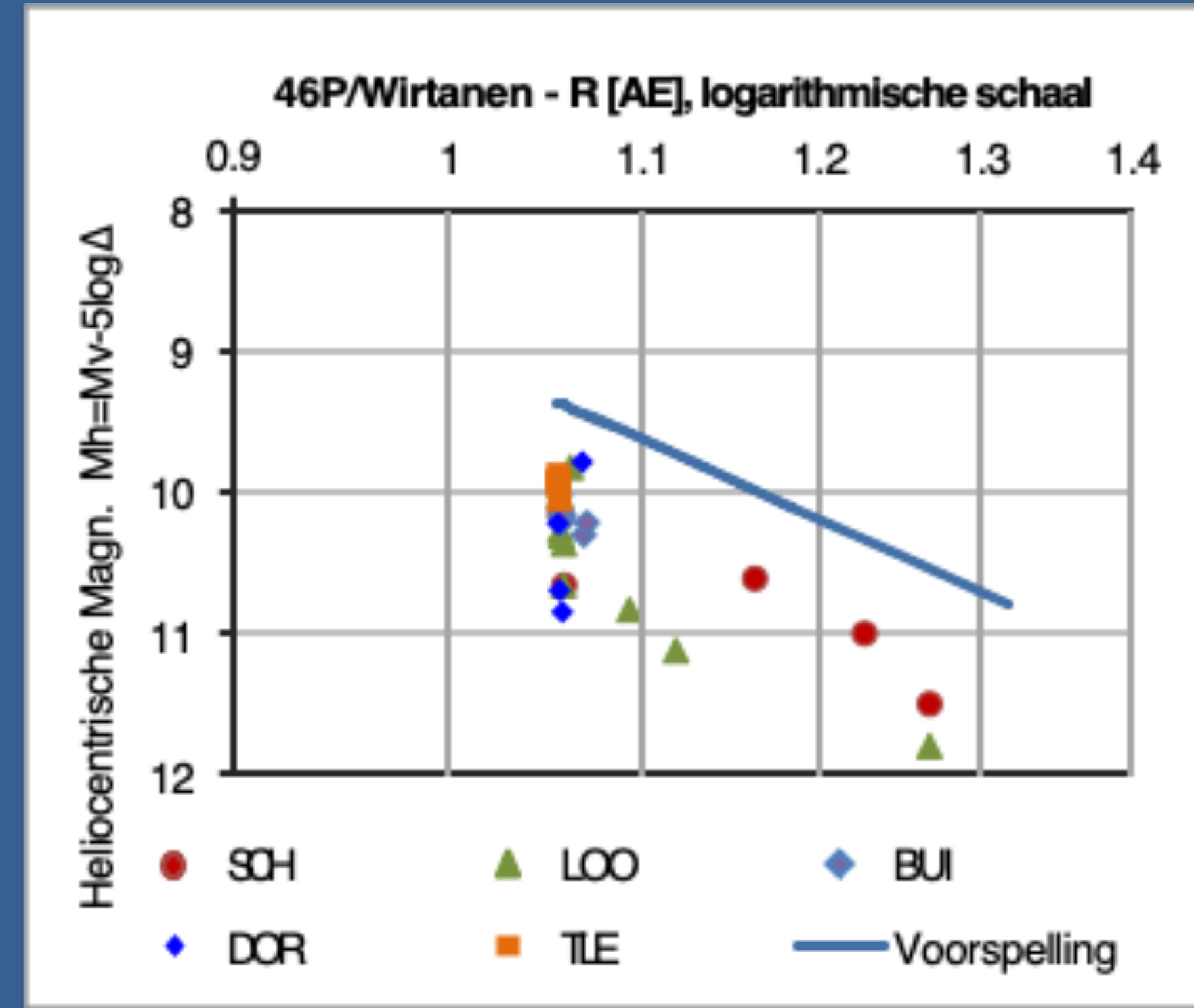
50mm F2.8

39d x 27d

46P/Wirtanen



30 nov 2018 - 3 feb 2019



$$m_1 - 5 \log \Delta = m_h = H_0 + 2.5n \log R$$

0.5 magnitude achtergebleven bij de voorspelling

$$H_0 = 9$$

$$n = 6$$

21P/Giacobini Zinner - Bas van Beek



Komeet 21P/Giacobini-Zinner, NGC 2174 en IC 443. 150 sec belicht (één opname). 18 sep 2018. Canon 6DAW technosky AG70 f/5 APO op Sky-Watcher FO6 montering

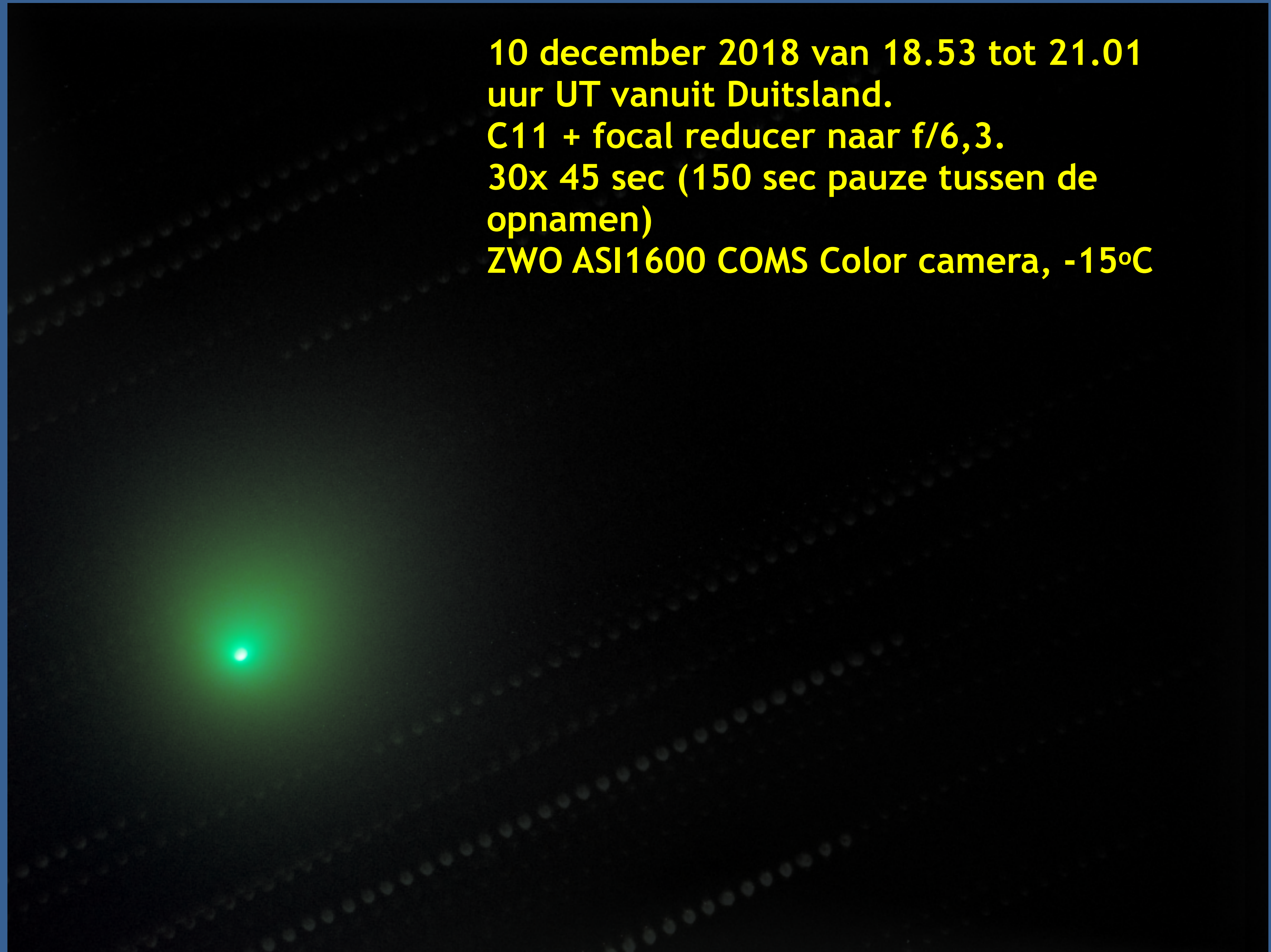
46P/Wirtanen - R. Platenkamp

10 december 2018 van 18.53 tot 21.01
uur UT vanuit Duitsland.

C11 + focal reducer naar f/6,3.

30x 45 sec (150 sec pauze tussen de
opnamen)

ZWO ASI1600 COMS Color camera, -15°C



46P/Wirtanen - Hans van Overzee



12 dec 2018
5x 2min
ISO 400
APP DPP
200 mm TL
RES 1

46P/Wirtanen



46P/Wirtanen - Frederic Lamagat



Frederic Lamagat
Atik 4000
Monochrome ccd
iOptron CEM120
ZWO asi224c
Resolution: 2010x1980
Dec 26, 2018
9x300sec
2.612 arcsec/pixel

46P Wirtanen - Jac Brosens



46P-Wirtanen 12-12-2018 250mm F4,8 newton Canon 6D - 85 x 30s - 1600iso

46P Wirtanen - R.J. Westerduin



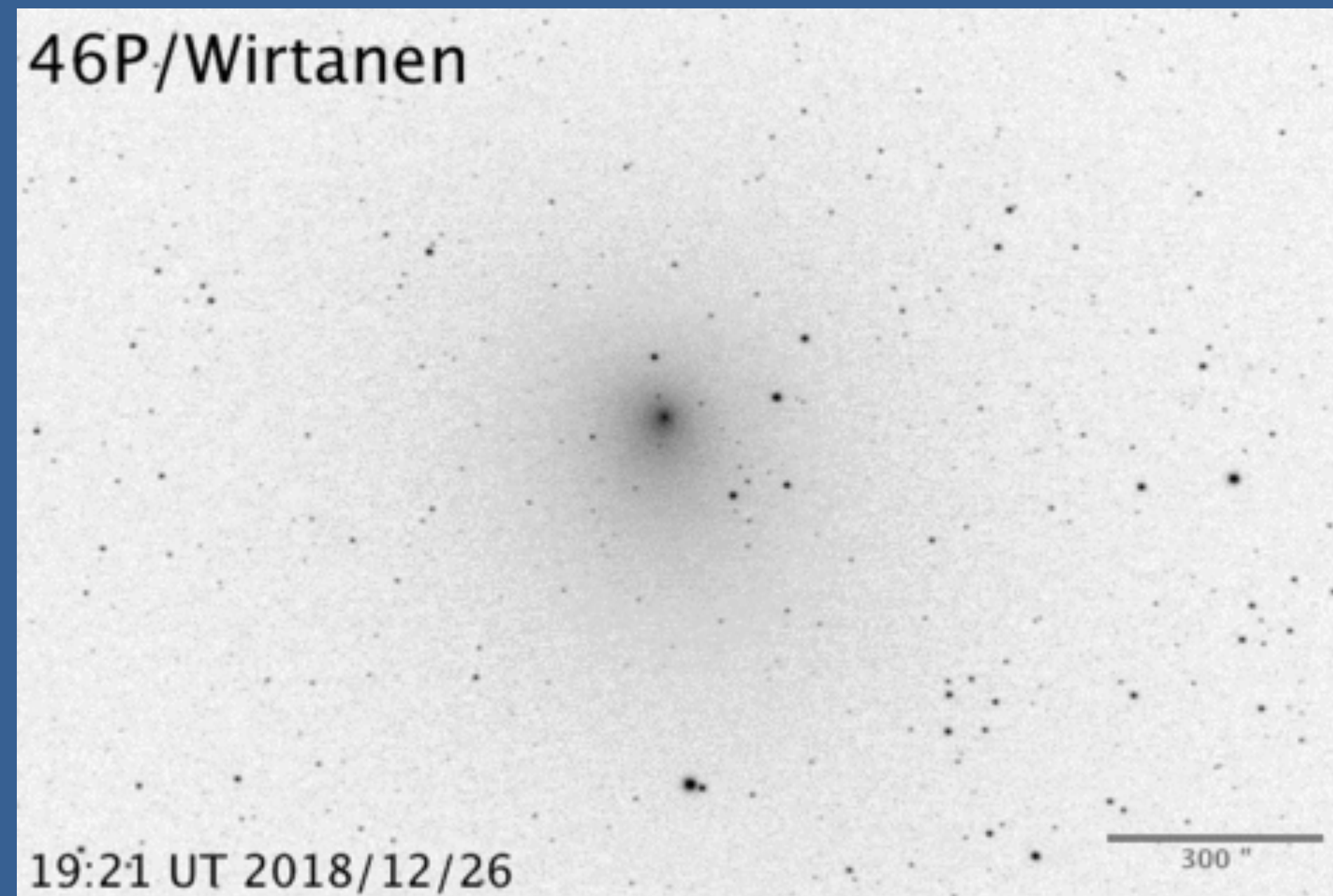
13 dec 2018
300mm f/4.5
20x 60sec
800 ISO
DSS
50% crop

46P Wirtanen - Peter “Extrafocaal”

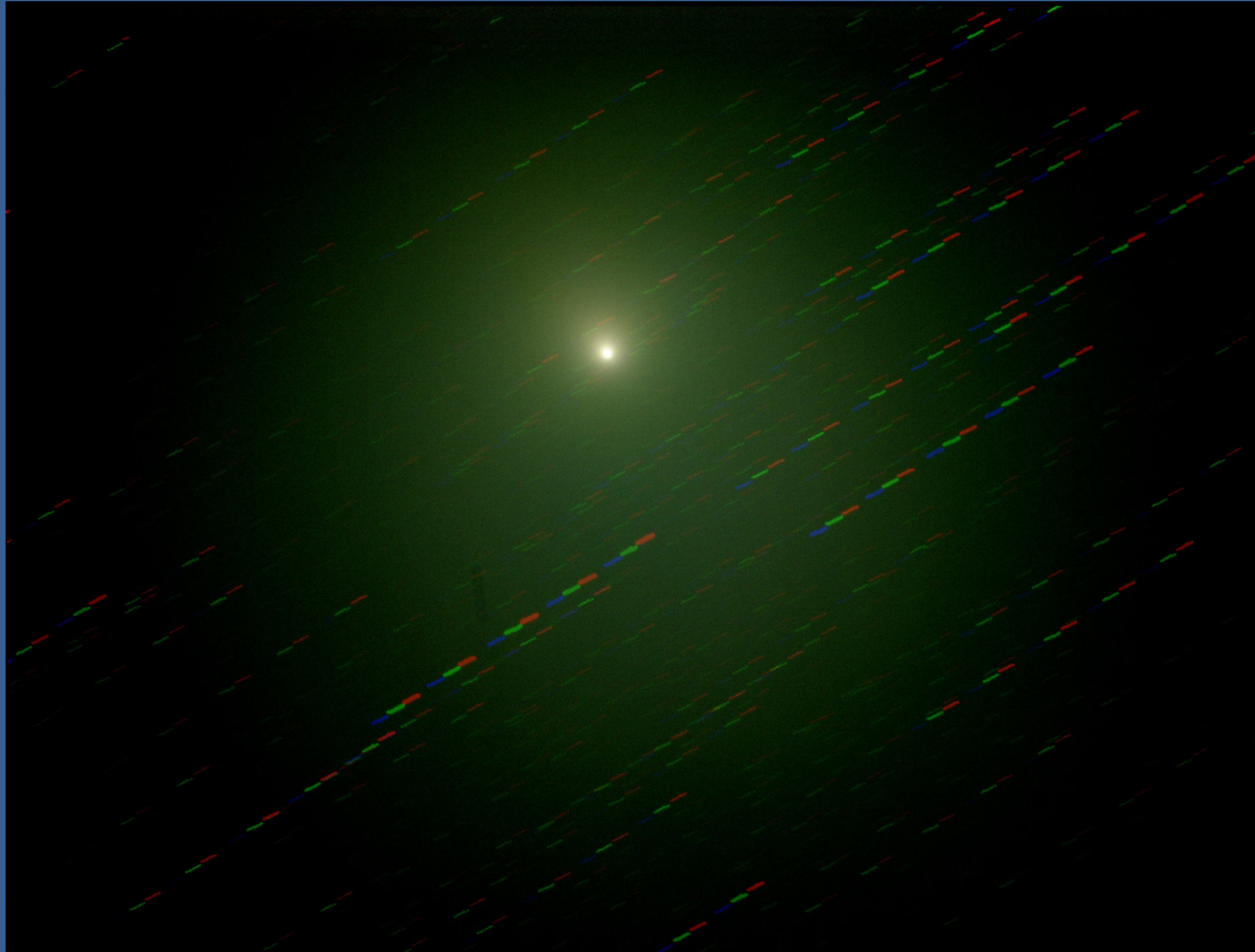


26 dec 2018 19:39 UT ASI294MCpro
130mm TS-Optics op G11 35min (20sec
F/5.6 elk)

46P Wirtanen



46P Wirtanen - Hugo Post



46P Wirtanen - Patrick Duis

Comet 46P/Wirtanen 13-12-2018 20:23-21:21 UTC 0.081 AE distance

Myrtha Observatory Hooge Mierde

05.13E 51.38N

Telescope: 200mmF5 Newton

Camara: ZWO ASI174MM cooled (-25C)

Corrector: ES HR modified Wynne

Filter: Baader 1.25" UV/IR block

Exposure: 51x60s

Center (RA, Dec): (54.594, 12.397)

Center (RA, hms): 03h 38m 22.659s

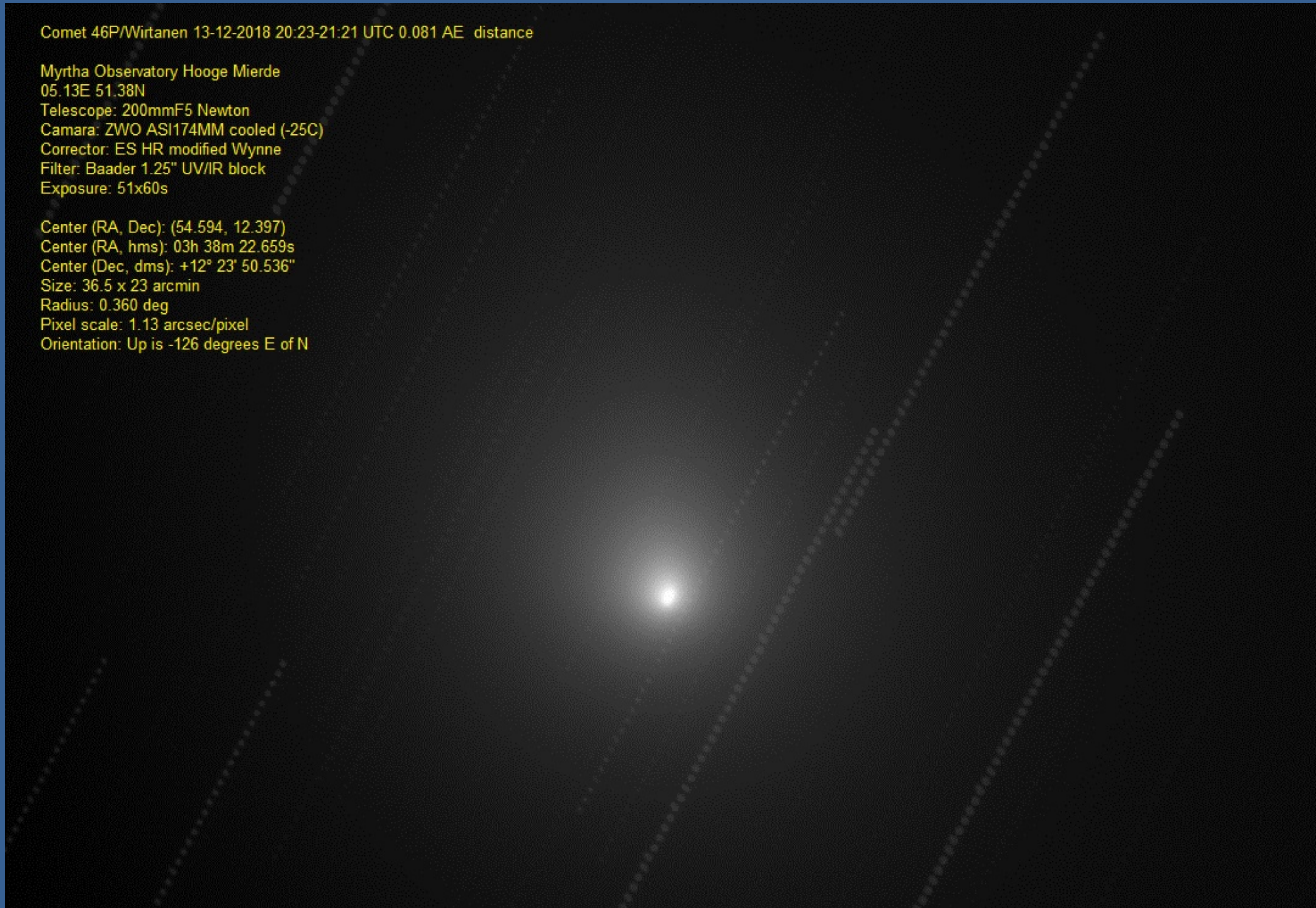
Center (Dec, dms): +12° 23' 50.536"

Size: 36.5 x 23 arcmin

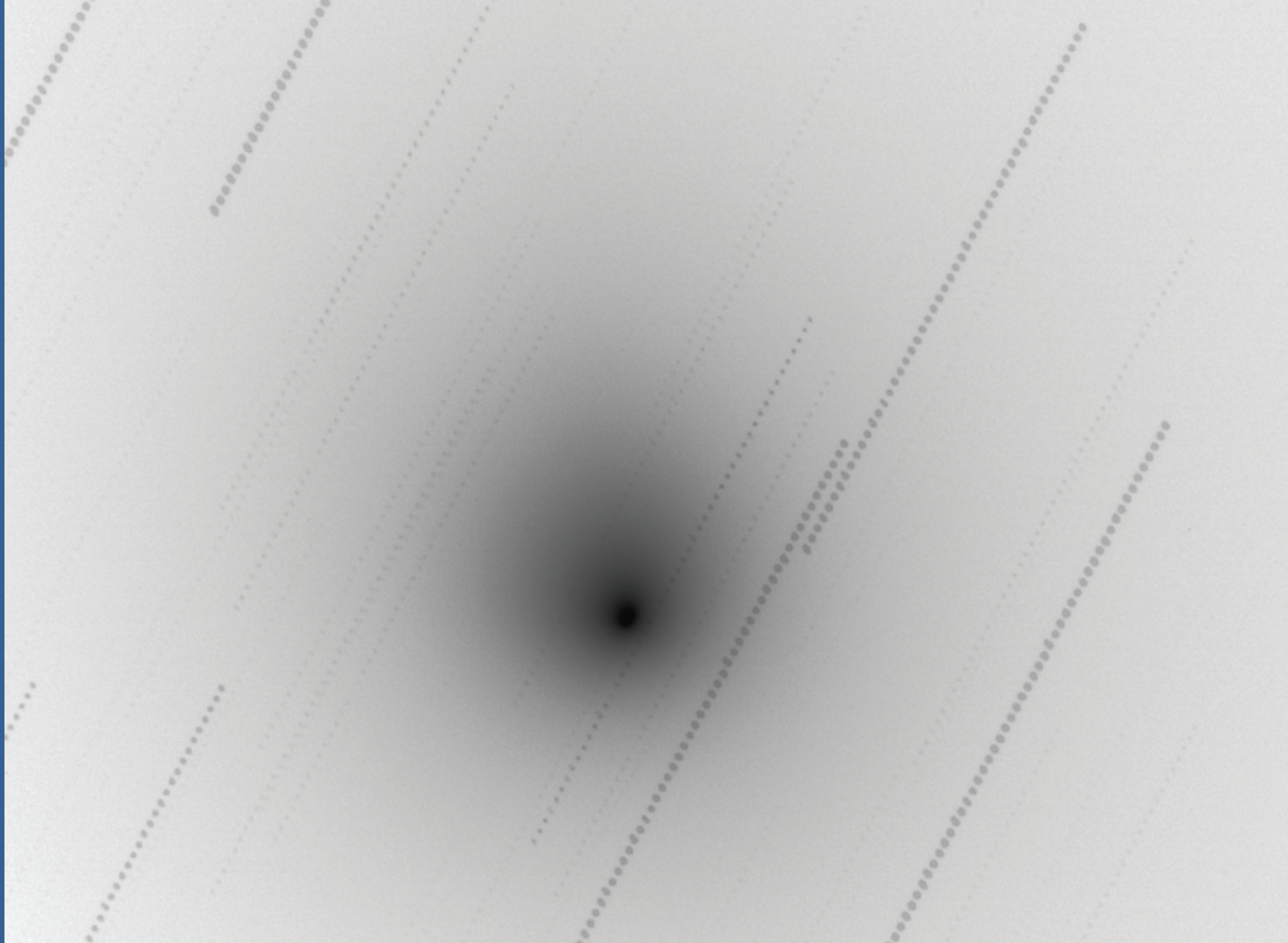
Radius: 0.360 deg

Pixel scale: 1.13 arcsec/pixel

Orientation: Up is -126 degrees E of N



46P Wirtanen - Patrick Duis



46P Wirtanen - Bert van Dijk



25 cm f/d 4,8 Newton. 15x 15 sec, Canon 6D, 1600 ISO. 10 dec 2018 21.17 UT.

46P Wirtanen - Albert van Duin



11 dec 2018 18:30 UT , 40 cm f/4 Newton op 10Micron GM2000, 180 sec,
QSI583wsg

‘Edgar Cetreux Observatory’ in Burlage (D)

46P Wirtanen - Bas van Beek



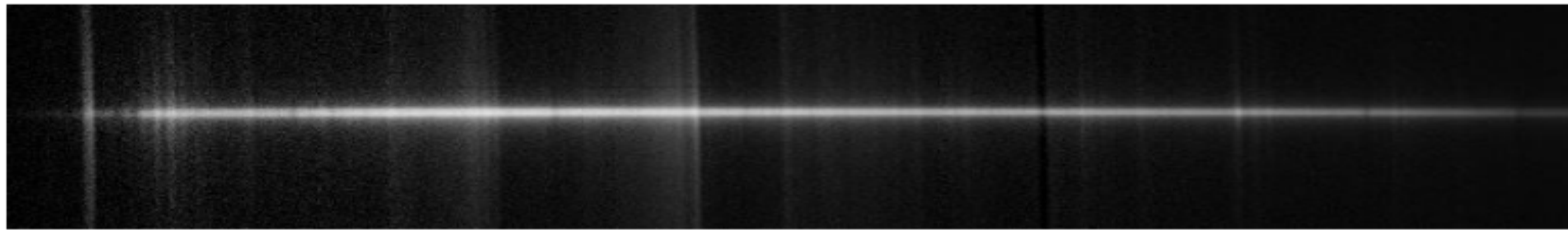
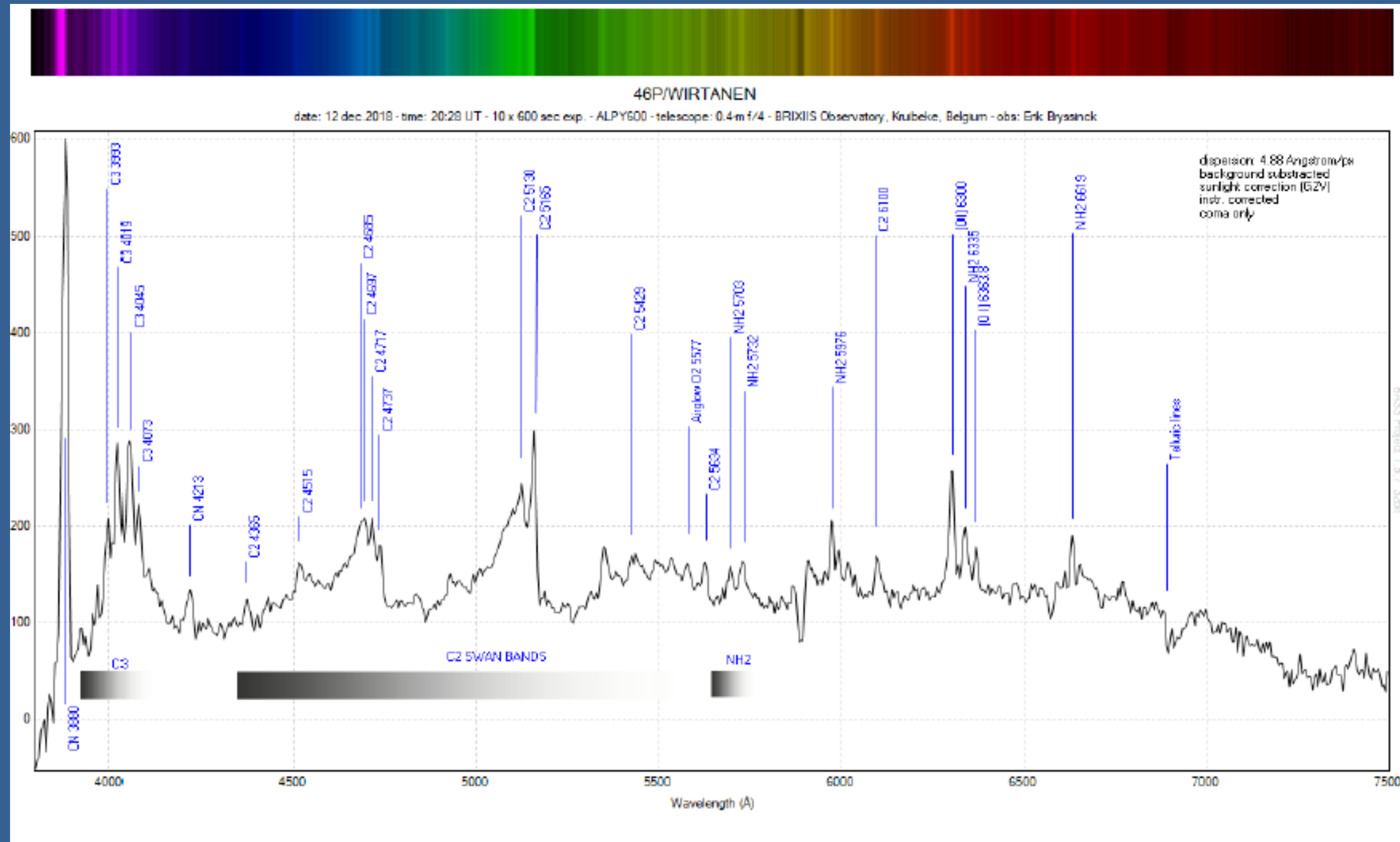
Samyang 135 mm op f/5.
60 sec Canon 6D 1600 ISO
17 dec 2018 21:17 UT.

46P Wirtanen - Peter “Extrafocaal”



17 dec 2018 21:45 CET, Canon 750D
50mm f/5.6. 54x 30sec ISO 3200. 24° x
16°

46P Wirtanen - Erik Bryssinck



Alpy 600
spectrograaf coma
(zonder kern)
10x600 sec

46P/Wirtanen - Alex Cherney

7 nov 18.
APOD
15Nov18



46P Wirtanen - Daniel López



46P Wirtanen + Geminids - Juan Carlos Casado



46P Wirtanen - Tom Masterson

