

Astronomical League Carbon Star Observing Club List

Observer:

Association:

Signature:

These charts were created by Daniel Herron using the Carbon Star list from the Astronomical League and Stellarium. They were created to be useful for star hoppers looking to locate these objects. Each chart has the object marked with a target and I tried to have at least a bright easy to find star in the chart. Each page has a box to record the observing data and a circle in order to draw the star field seen through the scope. Below the circle are the page numbers where you can find the objects in the Star Atlas and Pocket Star Atlas. Please contact me if you have any question or notice anything that needs changed. theStarHopper@gmail.com

HIP 363

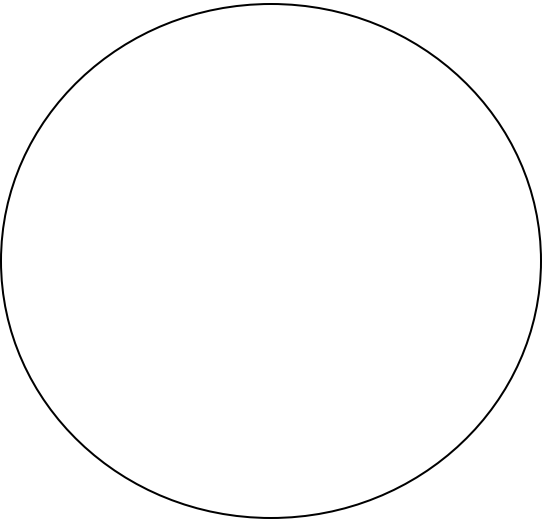
Magnitude: **8.10** (B-V: 2.52)
Absolute Magnitude: -0.24
RA/DE (J2000): 0h4m36.4s/+43° 33'04.7"
RA/DE (of date): 0h5m11s/+43°36'47"
Hour angle/DE: 6h47m32s/+43°36'47"
Az/Alt: +312°39'43"/+15°32'07"
Spectral Type: C5II
Distance: 1517.01 Light Years
Parallax: 0.00215"Mirach

Andromeda

δ And

Object: SU AND

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



HIP 1593

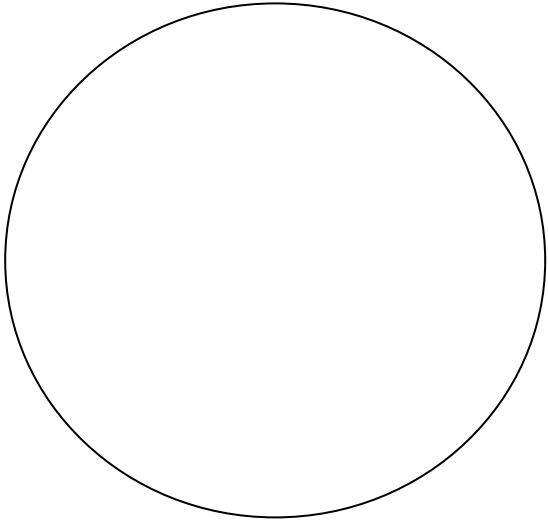
Magnitude: **7.50** (B-V: 1.61)
Absolute Magnitude: 0.26
RA/DE (J2000): 0h19m54.0s/+44° 42'33.9"
RA/DE (of date): 0h20m30s/+44°46'15"
Hour angle/DE: 6h32m13s/+44°46'15"
Az/Alt: +312°10'21"/+18°28'36"
Spectral Type: C8
Distance: 916.17 Light Years
Parallax: 0.00356"

Mirach

Andromeda

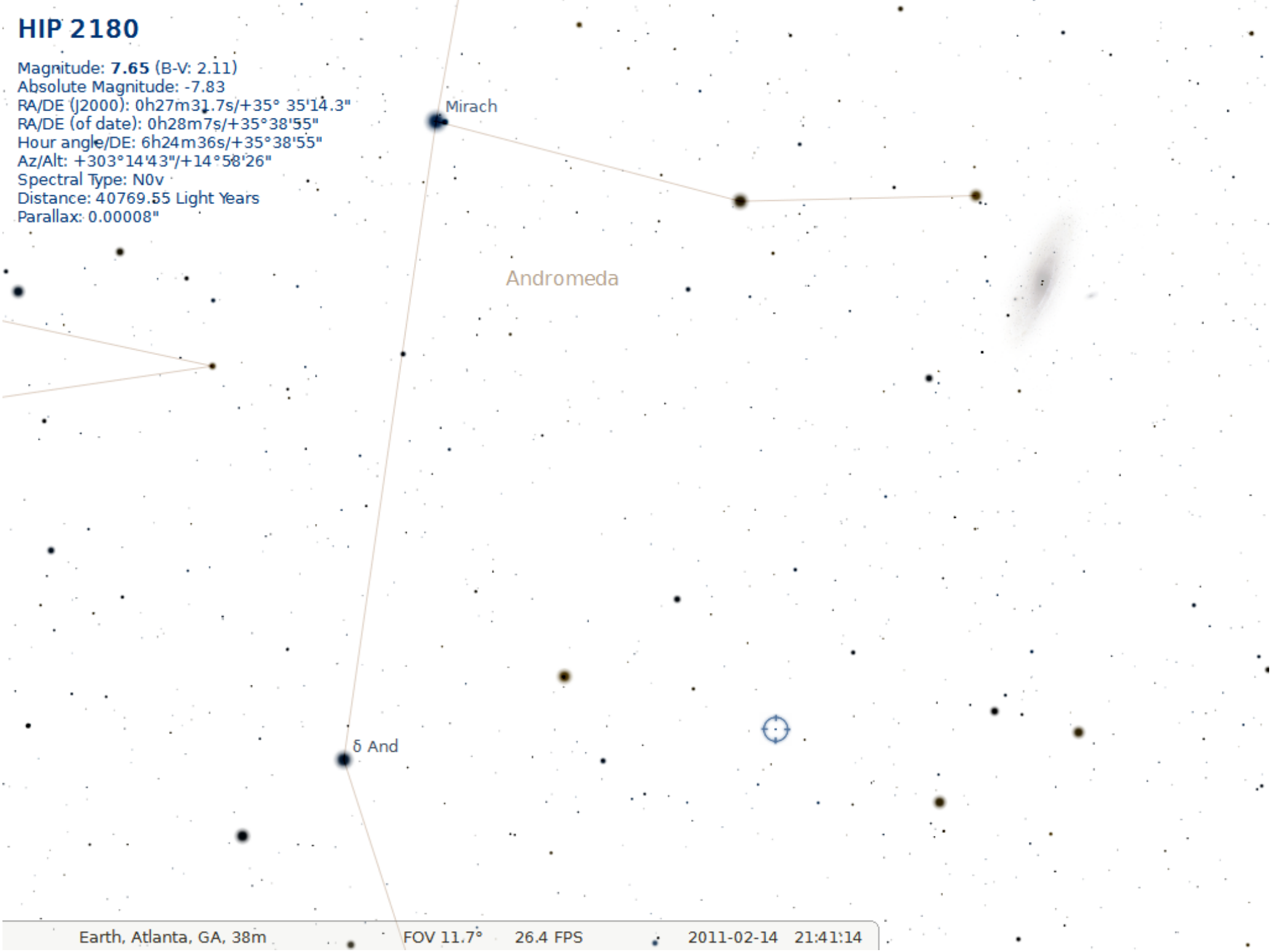
δ And

Object: VX AND
Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



HIP 2180

Magnitude: 7.65 (B-V: 2.11)
Absolute Magnitude: -7.83
RA/DE (J2000): 0h27m31.7s/+35° 35'14.3"
RA/DE (of date): 0h28m7s/+35°38'55"
Hour angle/DE: 6h24m36s/+35°38'55"
Az/Alt: +303°14'43"/+14°58'26"
Spectral Type: N0v
Distance: 40769.55 Light Years
Parallax: 0.00008"



Object: AQ AND

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

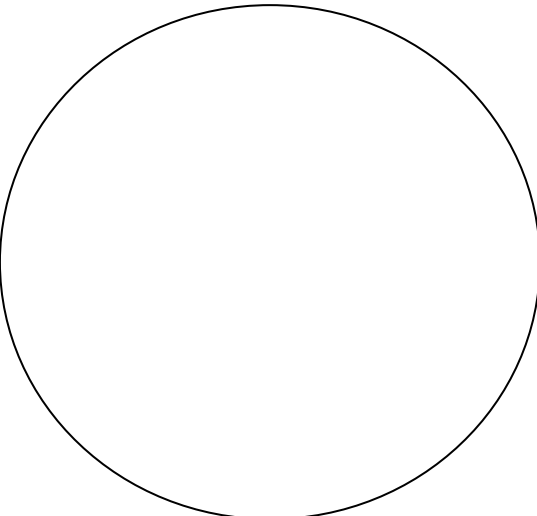
Magnification:

Transparency:

Seeing:

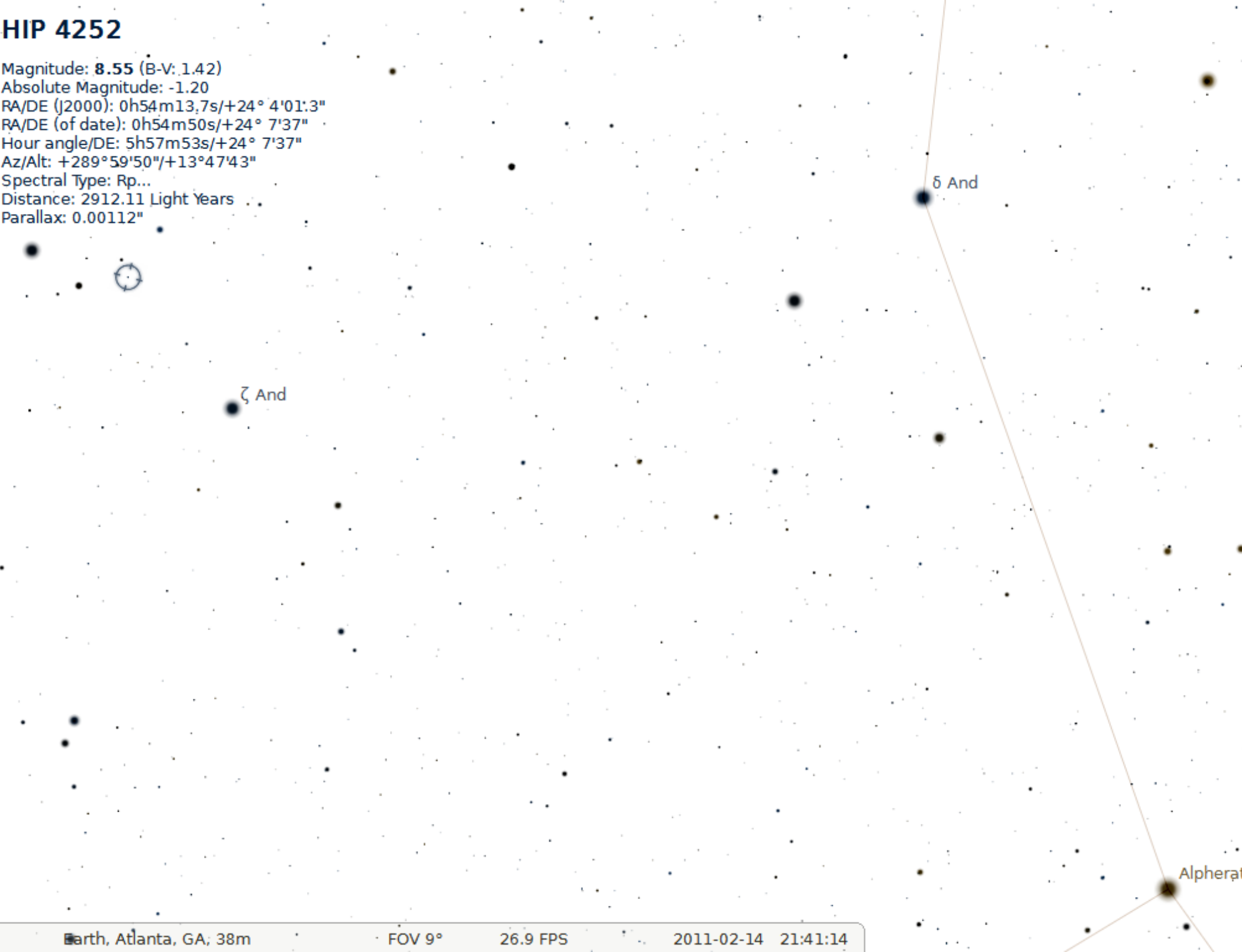
Light Pollution:

Description:



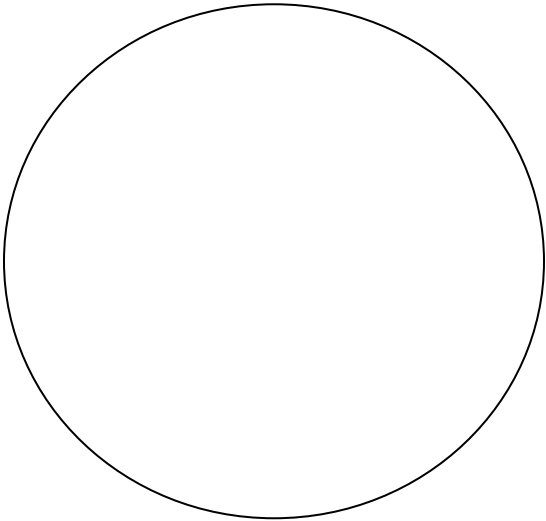
HIP 4252

Magnitude: 8.55 (B-V: 1.42)
Absolute Magnitude: -1.20
RA/DE (J2000): 0h54m13.7s/+24° 4'01.3"
RA/DE (of date): 0h54m50s/+24° 7'37"
Hour angle/DE: 5h57m53s/+24° 7'37"
Az/Alt: +289°59'50"/+13°47'43"
Spectral Type: Rp...
Distance: 2912.11 Light Years
Parallax: 0.00112"



Object: NSV 15196 AND

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



HIP 12298

Magnitude: **10.00** (B-V: 2.11)
RA/DE (J2000): 2h38m23.8s/+39° 10'10.0"
RA/DE (of date): 2h39m6s/+39°13'01"
Hour angle/DE: 4h13m37s/+39°13'01"
Az/Alt: +295° 6'20"/+40° 5'16"
Spectral Type: C5,4(N3)

Object: UY AND

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

The image is a star chart of the constellation Perseus. It features a grid of stars of various magnitudes, with several stars labeled: 'Algol' (a large, bright, yellowish-white star), '12 Per' (a bright, yellowish-white star), '16 Per' (a bright, yellowish-white star), 'ρ Per' (a bright, yellowish-white star), and 'π Per' (a bright, yellowish-white star). A large, faint, blue, irregularly shaped object is circled in the lower right quadrant. A line connects the stars 'ρ Per' and '16 Per'. The chart is set against a black background with a grid of white dots representing stars.

Magnitude: **10.00** (B-V: 2.11)
RA/DE (J2000): 2h38m23.8s/+39° 10'10.0"
RA/DE (of date): 2h39m6s/+39°13'01"
Hour angle/DE: 4h13m37s/+39°13'01"
Az/Alt: +295° 6'20"/+40° 5'16"
Spectral Type: C5,4(N3)

Object: UY AND

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

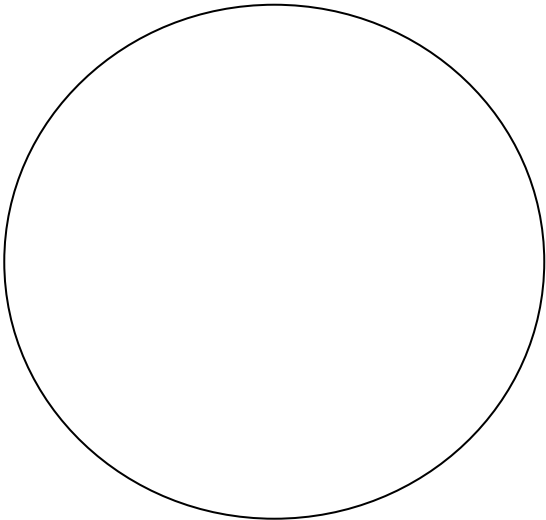
Magnification:

Transparency:

Seeing:

Light Pollution:

Description:



HIP 116681

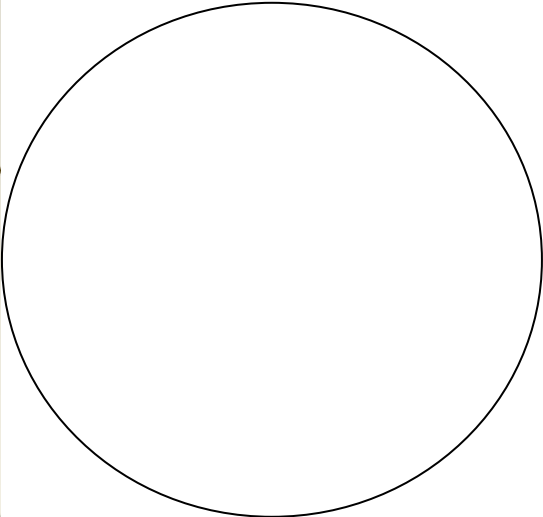
Magnitude: 9.70 (B-V: 2.11)
Absolute Magnitude: 3.40
RA/DE (J2000): 23h38m45.1s/+35° 46'21.2"
RA/DE (of date): 23h39m18s/+35°50'03"
Hour angle/DE: 7h48m12s/+35°50'03"
Az/Alt: +313°45'12"/+1°35'29"
Spectral Type: C2.
Distance: 593.01 Light Years
Parallax: 0.00550"

Alpheratz



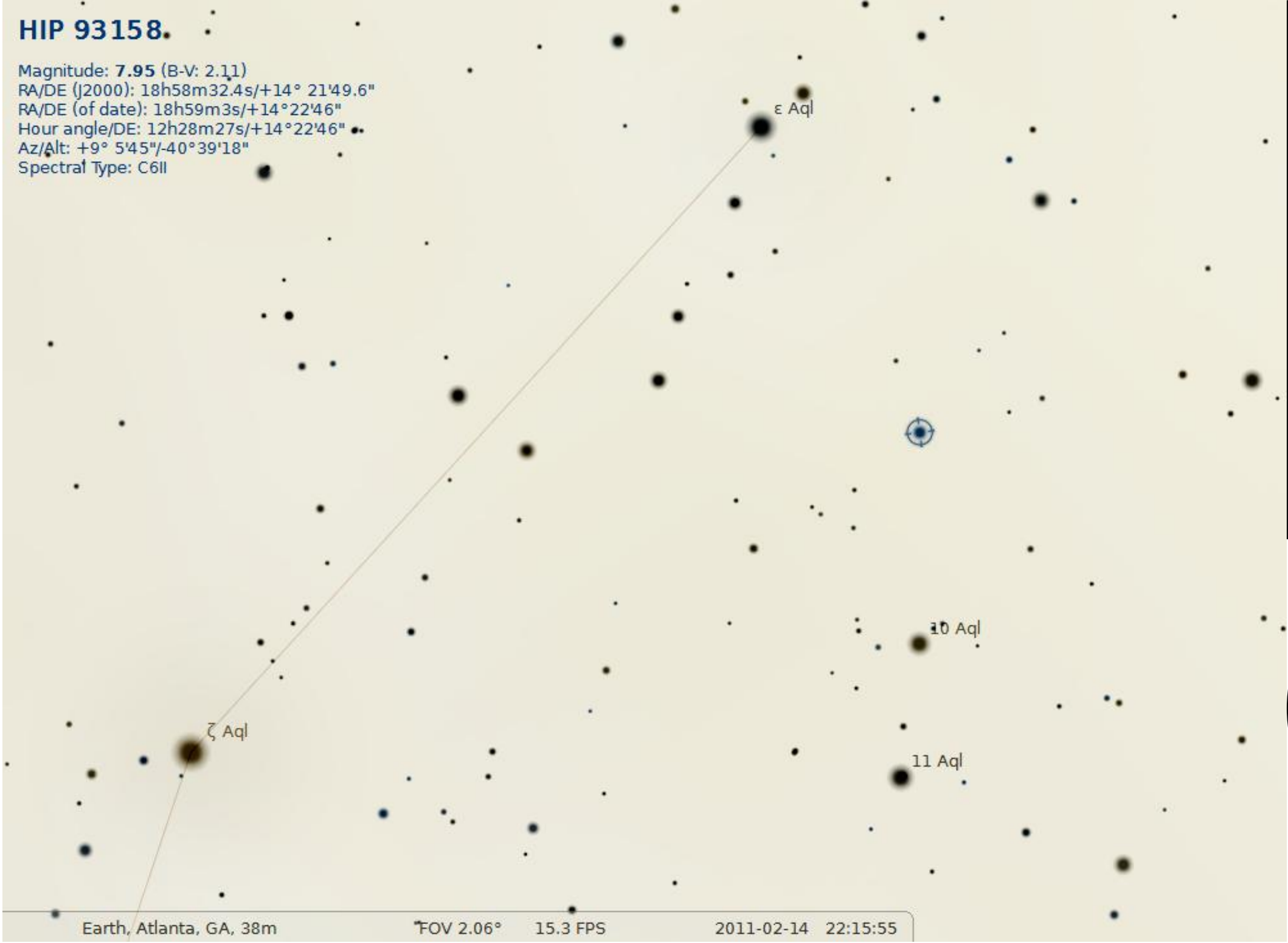
Object: ST AND

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



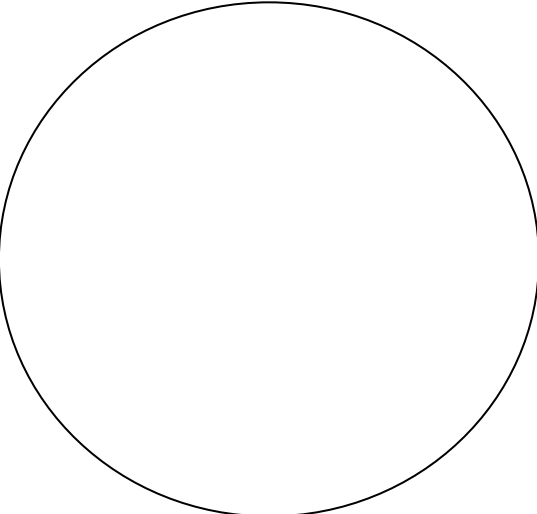
HIP 93158.

Magnitude: 7.95 (B-V: 2.11)
RA/DE (J2000): 18h58m32.4s/+14° 21'49.6"
RA/DE (of date): 18h59m3s/+14°22'46"
Hour angle/DE: 12h28m27s/+14°22'46"
Az/Alt: +9° 5'45"/-40°39'18"
Spectral Type: C6II



Object: UV Aquilae

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



HIP 93666 A

Magnitude: 7.20 (B-V: 3.41)
Absolute Magnitude: -0.64
RA/DE (J2000): 19h4m24.2s/-5° 41'03.3"
RA/DE (of date): 19h5m0s/-5°40'03"
Hour angle/DE: 12h22m30s/-5°40'03"
Az/Alt: +11°29'53"/-60°42'06"
Spectral Type: C5II
Distance: 1207.99 Light Years
Parallax: 0.00270"

Object: V Aquilae

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

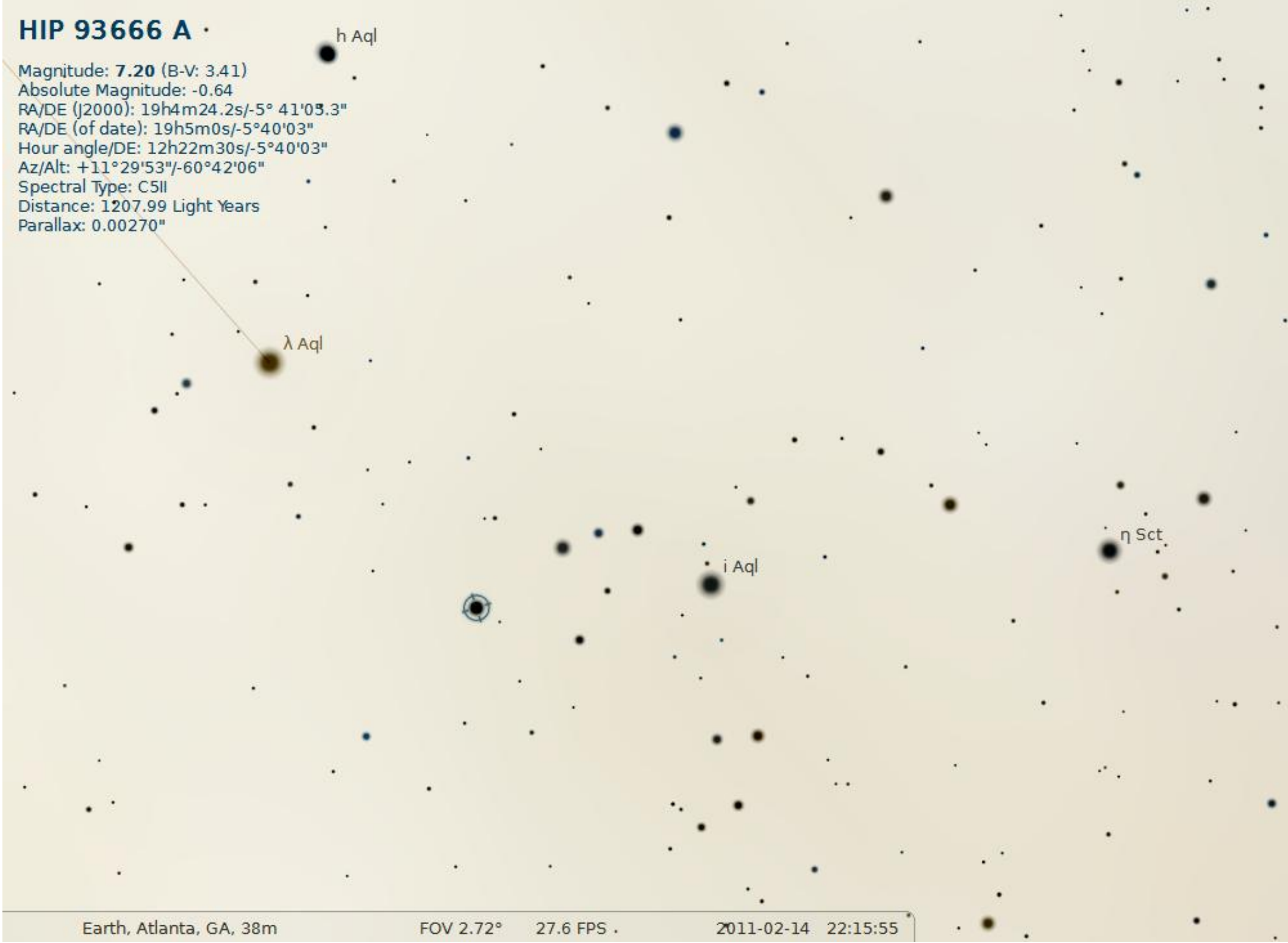
Magnification:

Transparency:

Seeing:

Light Pollution:

Description:



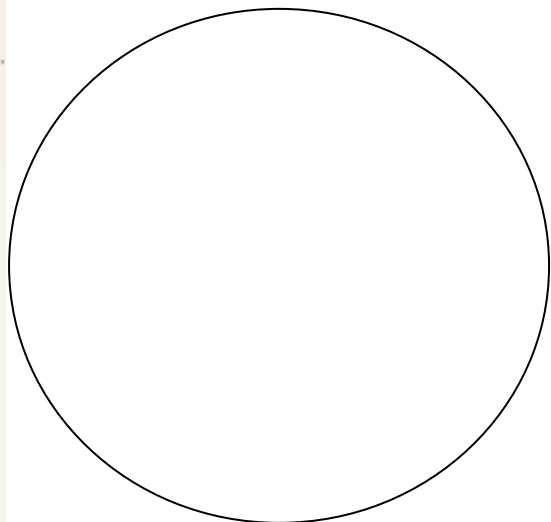
HIP 95289

Magnitude: **6.95** (B-V: 1.01)
RA/DE (J2000): 19h23m10.1s/-10° 42'11.5"
RA/DE (of date): 19h23m47s/-10°40'52"
Hour angle/DE: 12h3m43s/-10°40'52"
Az/Alt: +2°15'35"/-66° 9'58"
Spectral Type: C0

κ Aql

Object: NSV 11960 Aquilae

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

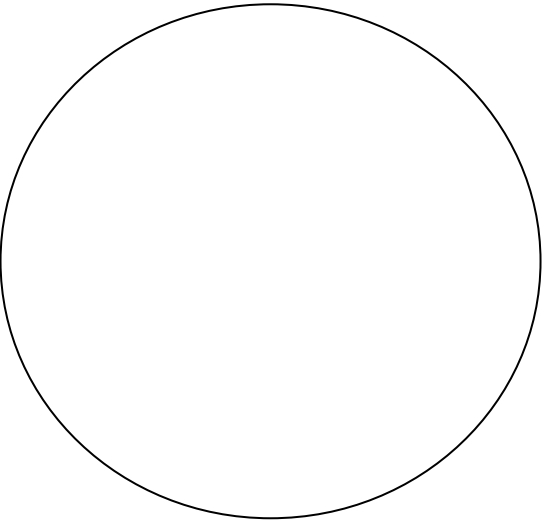


HIP 98538

Magnitude: 8.50 (B-V: 2.15)
Absolute Magnitude: -0.30
RA/DE (J2000): 20h1m3.8s/+9° 30'50.9"
RA/DE (of date): 20h1m36s/+9°32'43"
Hour angle/DE: 11h25m54s/+9°32'43"
Az/Alt: +348° 1'19"/-45°13'10"
Spectral Type: N0v
Distance: 1874.46 Light Years
Parallax: 0.00174"

Object: V1469 Aquilae

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

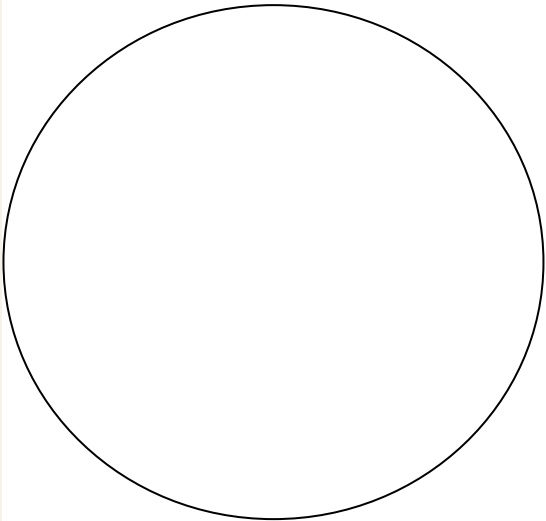
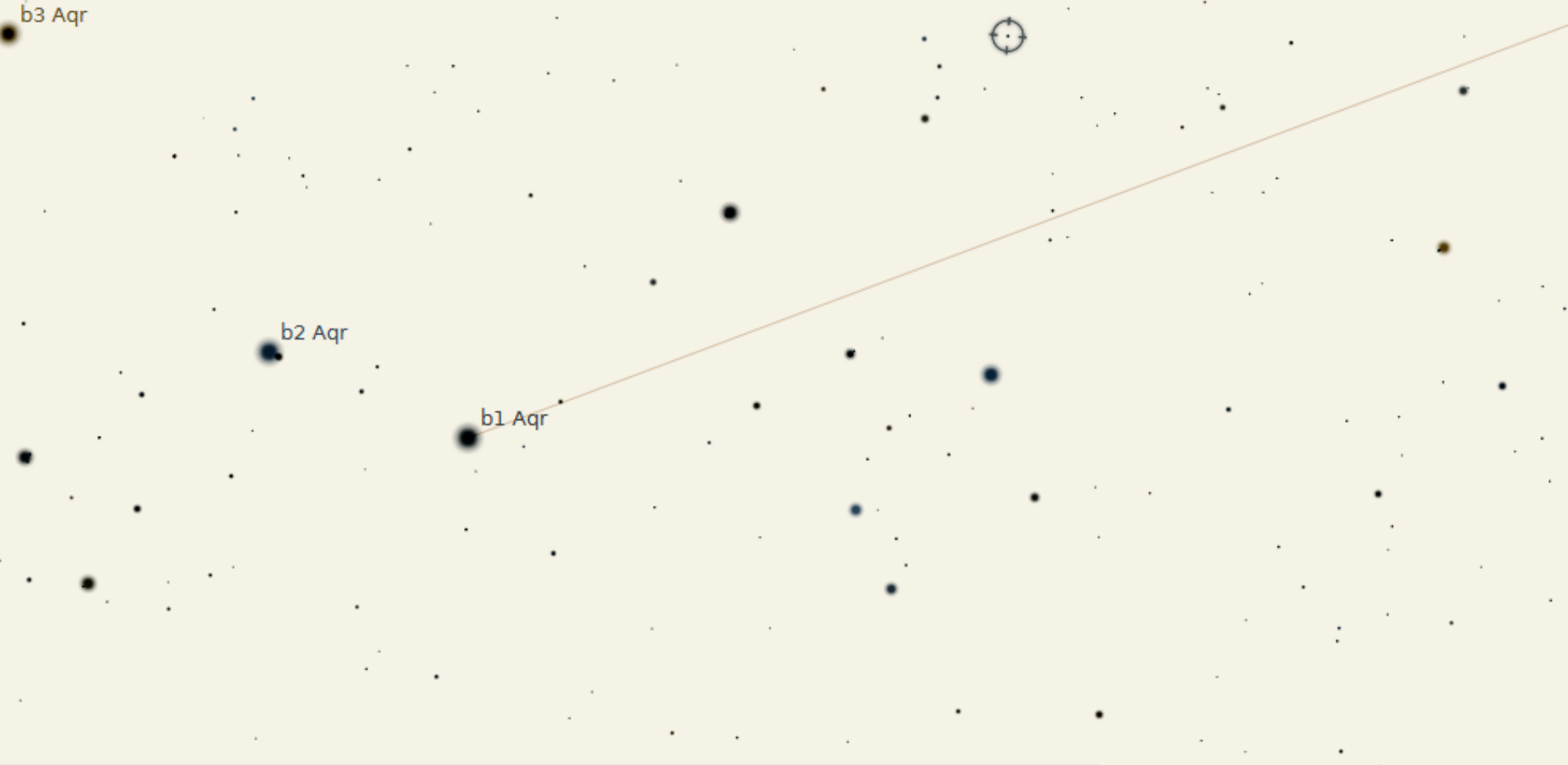


HIP 115553

Magnitude: **9.20** (B-V: 1.20)
Absolute Magnitude: -8.41
RA/DE (J2000): 23h24m24.3s/-17° 19'08.7"
RA/DE (of date): 23h24m59s/-17°15'29"
Hour angle/DE: 8h2m31s/-17°15'29"
Az/Alt: +272° 9'55"/-34°40'48"
Spectral Type: M4/M5III
Distance: 108718.79 Light Years
Parallax: 0.00003"

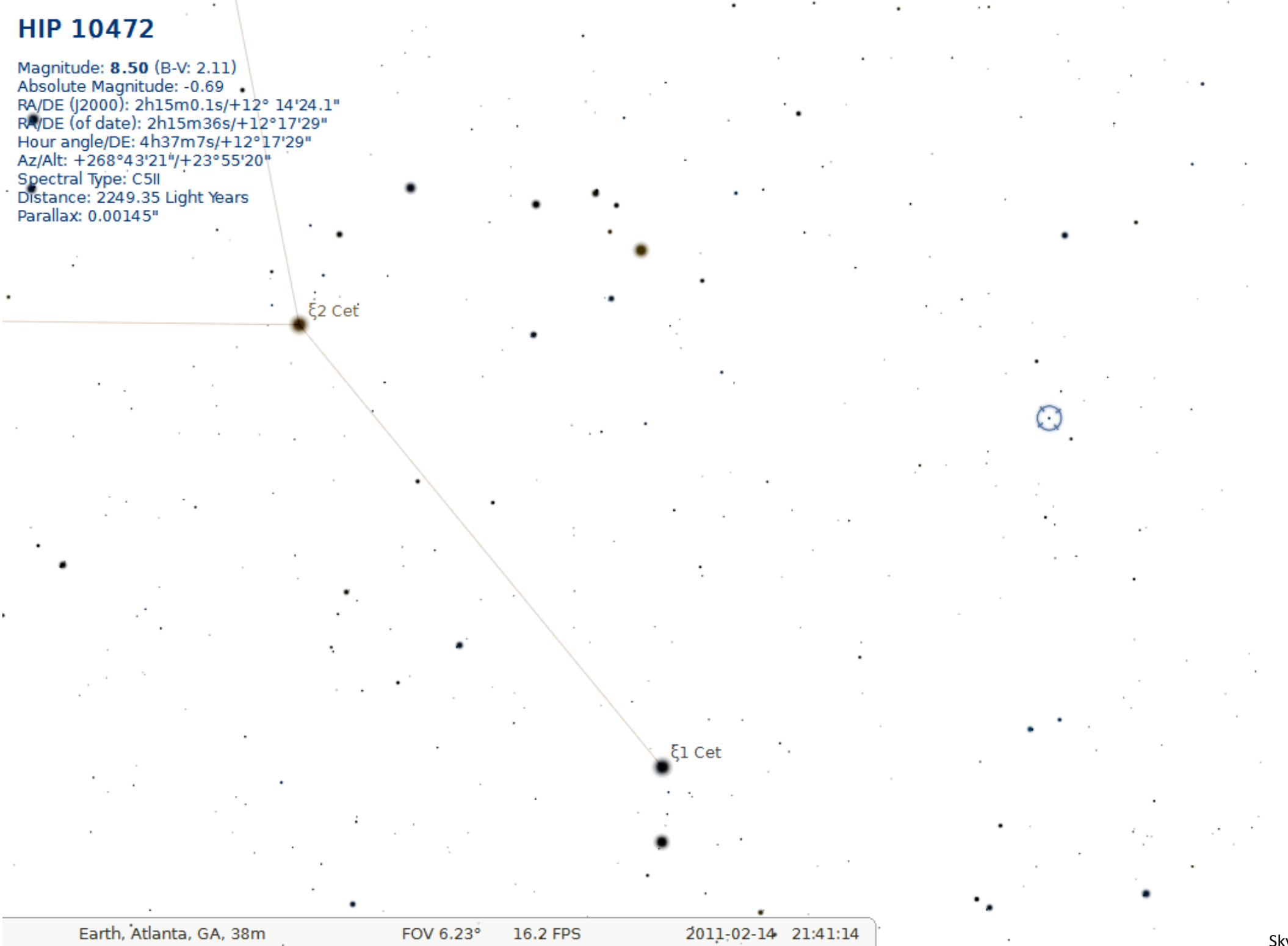
Object: RU Aqyarii

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



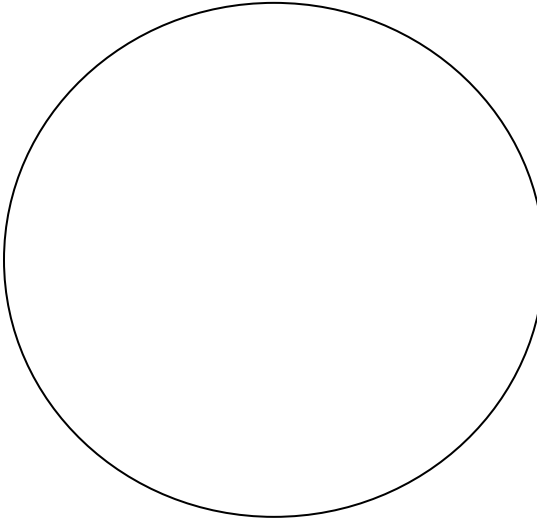
HIP 10472

Magnitude: **8.50** (B-V: 2.11)
Absolute Magnitude: -0.69
RA/DE (J2000): 2h15m0.1s/+12° 14'24.1"
RA/DE (of date): 2h15m36s/+12°17'29"
Hour angle/DE: 4h37m7s/+12°17'29"
Az/Alt: +268°43'21"/+23°55'20"
Spectral Type: C5II
Distance: 2249.35 Light Years
Parallax: 0.00145"



Object: V Arietis

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

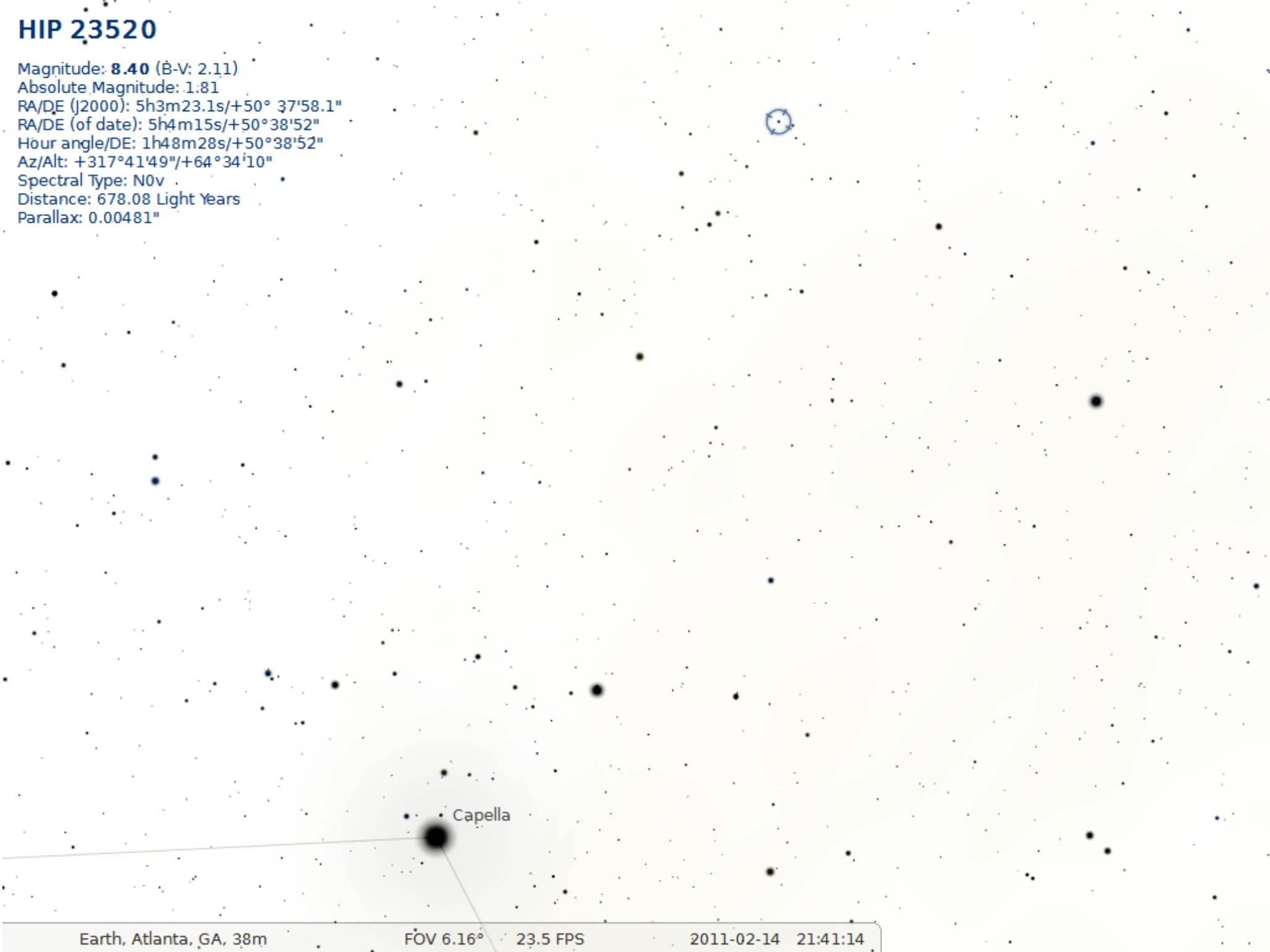
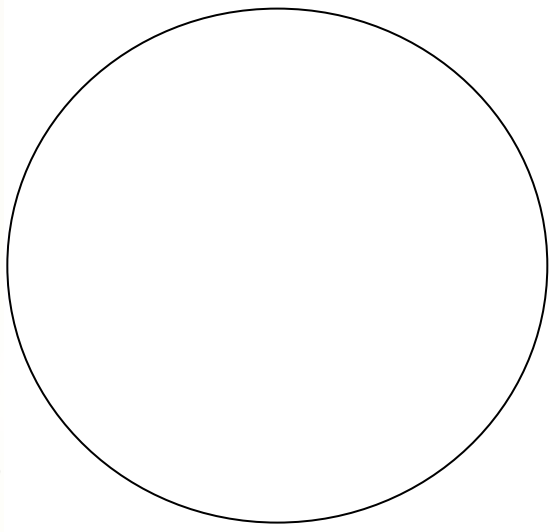


HIP 23520

Magnitude: **8.40** (B-V: 2.11)
Absolute Magnitude: 1.81
RA/DE (J2000): 5h3m23.1s/+50° 37'58.1"
RA/DE (of date): 5h4m15s/+50°38'52"
Hour angle/DE: 1h48m28s/+50°38'52"
Az/Alt: +317°41'49"/+64°34'10"
Spectral Type: N0v
Distance: 678.08 Light Years
Parallax: 0.00481"

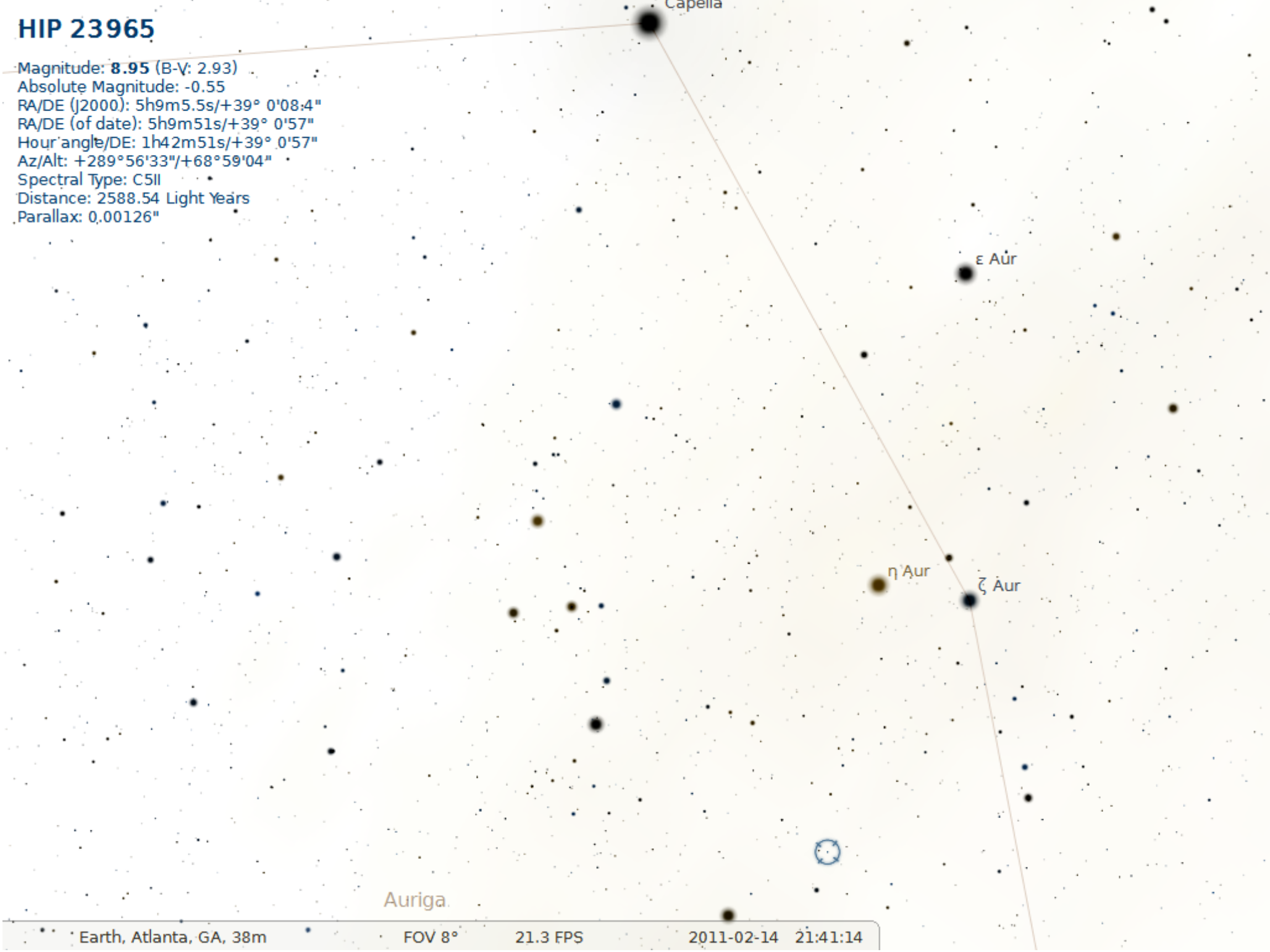
Object: EL Aurigae

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



HIP 23965

Magnitude: 8.95 (B-V: 2.93)
Absolute Magnitude: -0.55
RA/DE (J2000): 5h9m5.5s/+39° 0'08.4"
RA/DE (of date): 5h9m51s/+39° 0'57"
Hour angle/DE: 1h42m51s/+39° 0'57"
Az/Alt: +289°56'33"/+68°59'04"
Spectral Type: C5II
Distance: 2588.54 Light Years
Parallax: 0.00126"



Object: TX Aurigae

Date:

Time:

Location (GPS):

Focal Length:

Eyeiece:

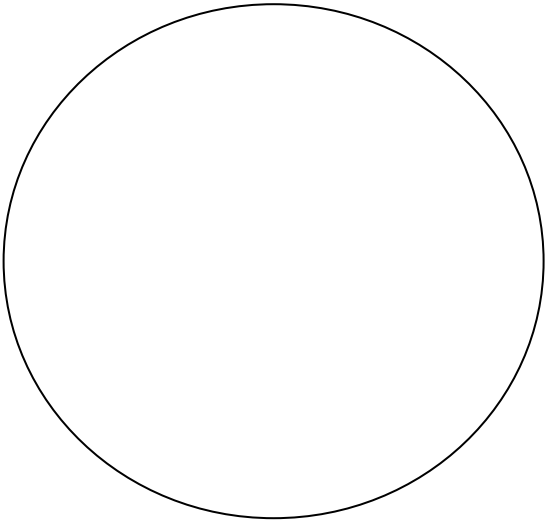
Magnification:

Transparency:

Seeing:

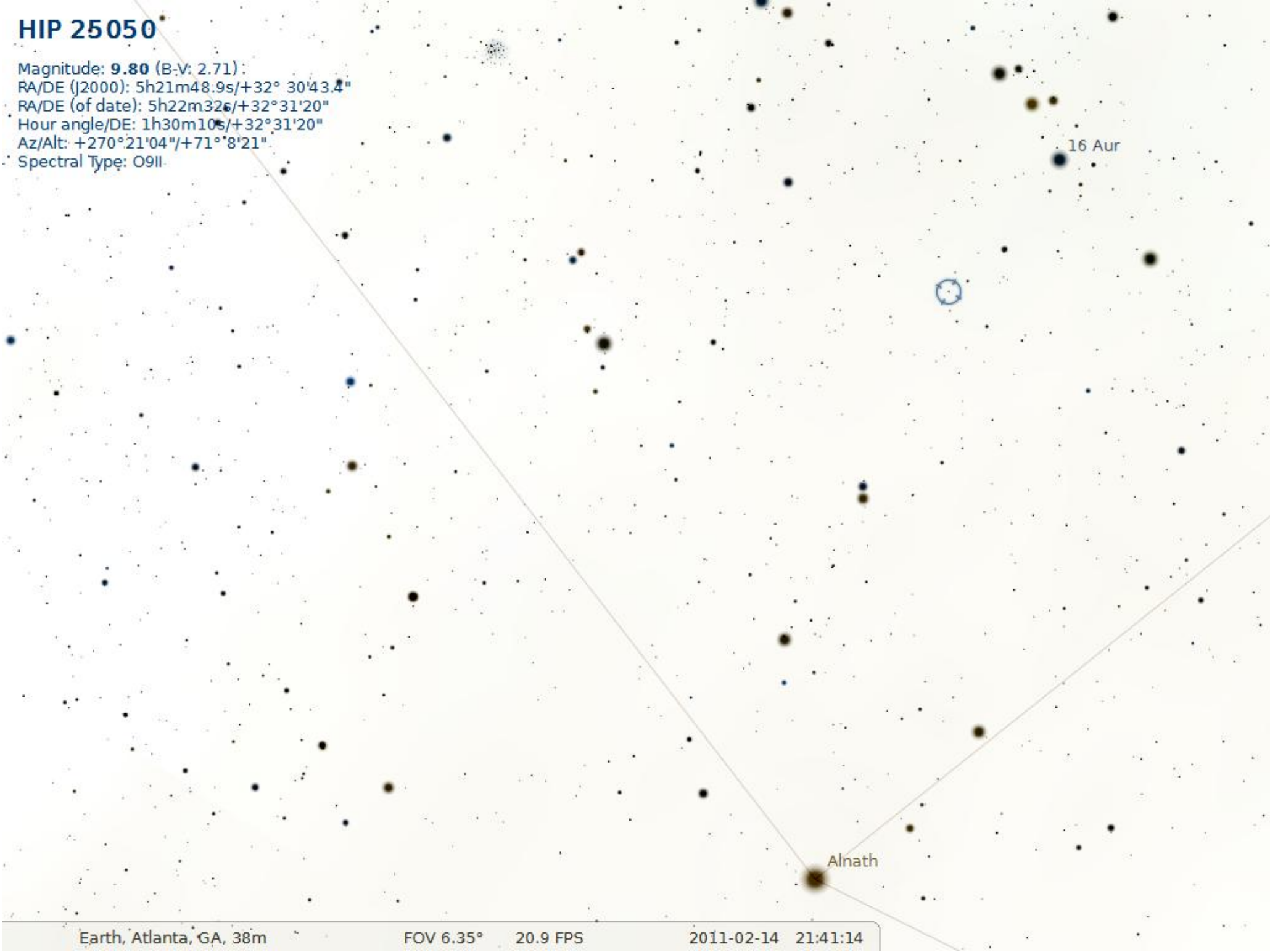
Light Pollution:

Description:



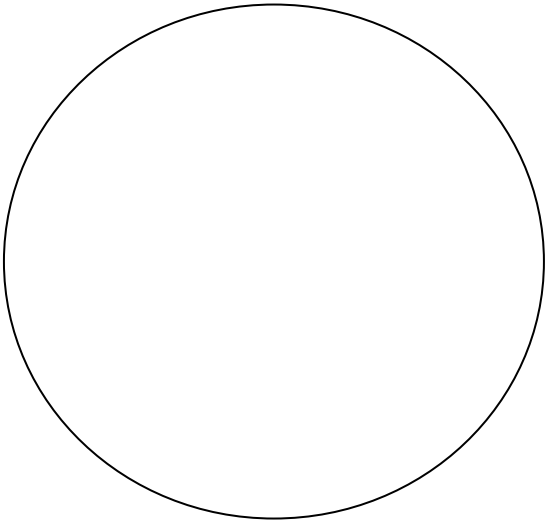
HIP 25050

Magnitude: **9.80** (B-V: 2.71)
RA/DE (J2000): 5h21m48.9s/+32° 30'43.4"
RA/DE (of date): 5h22m32s/+32°31'20"
Hour angle/DE: 1h30m10s/+32°31'20"
Az/Alt: +270°21'04"/+71°8'21"
Spectral Type: O9II



Object: UV Aurigae

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



Magnitude: **10.45** (B-V: 3.31)
RA/DE (J2000): 5h27m7.5s/+34° 8'58.9"
RA/DE (of date): 5h27m52s/+34° 9'30"
Hour angle/DE: 1h24m51s/+34° 9'30"
Az/Alt: +274°55'28"/+72°30'38"

Auriga

θ Aur

Object: S Aurigae

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

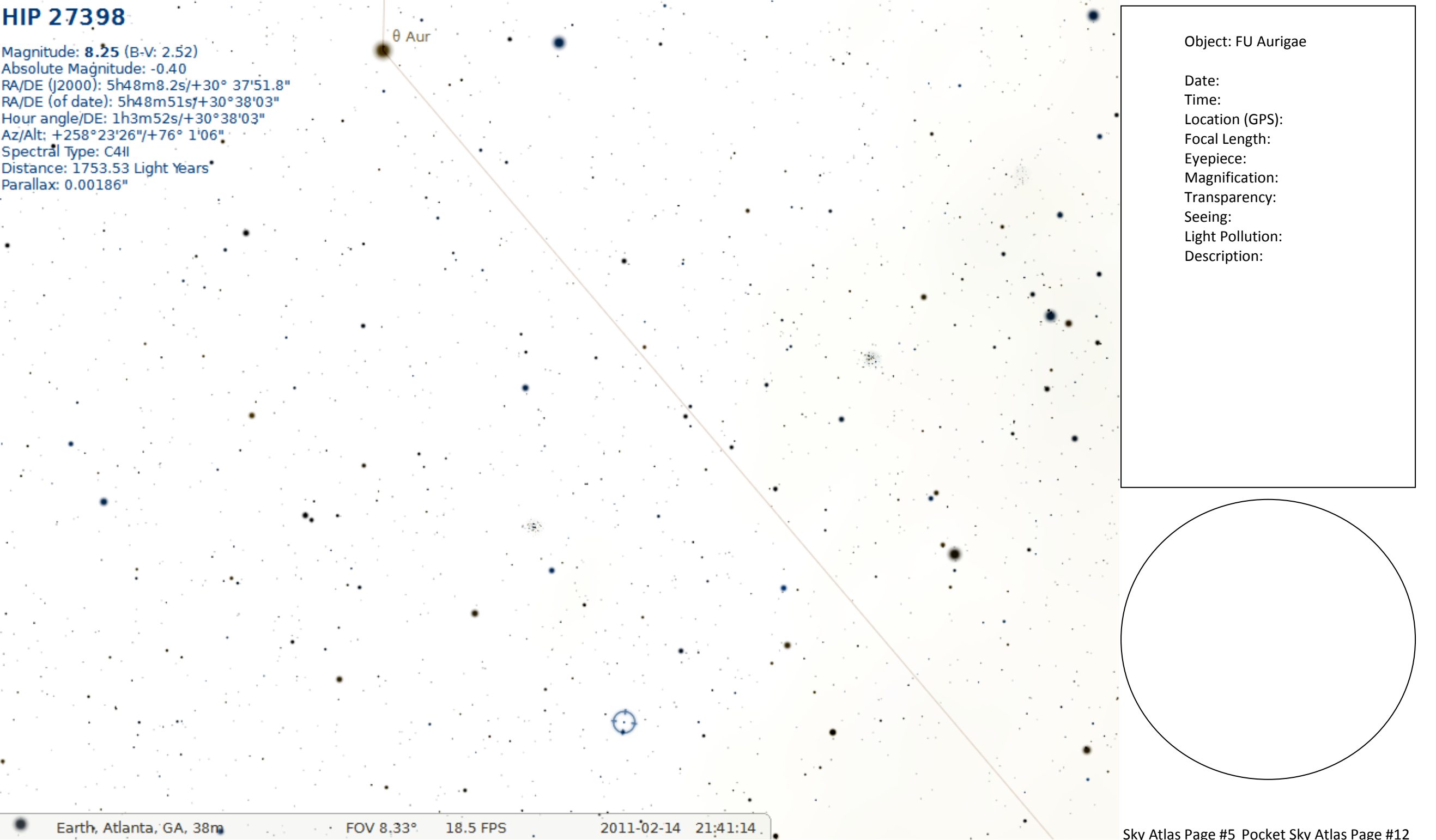
Magnification:

Transparency:

Seeing:

Light Pollution:

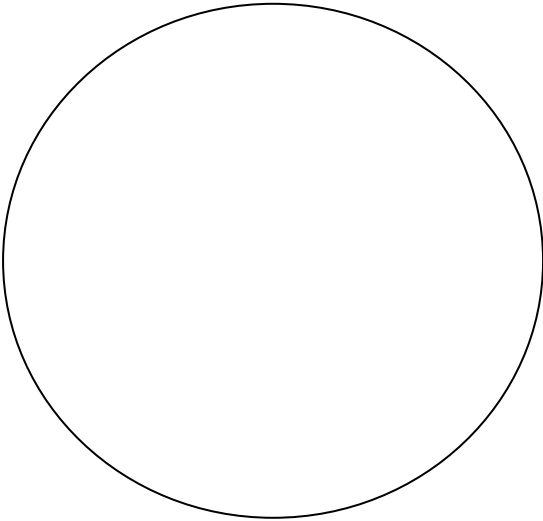
Description:

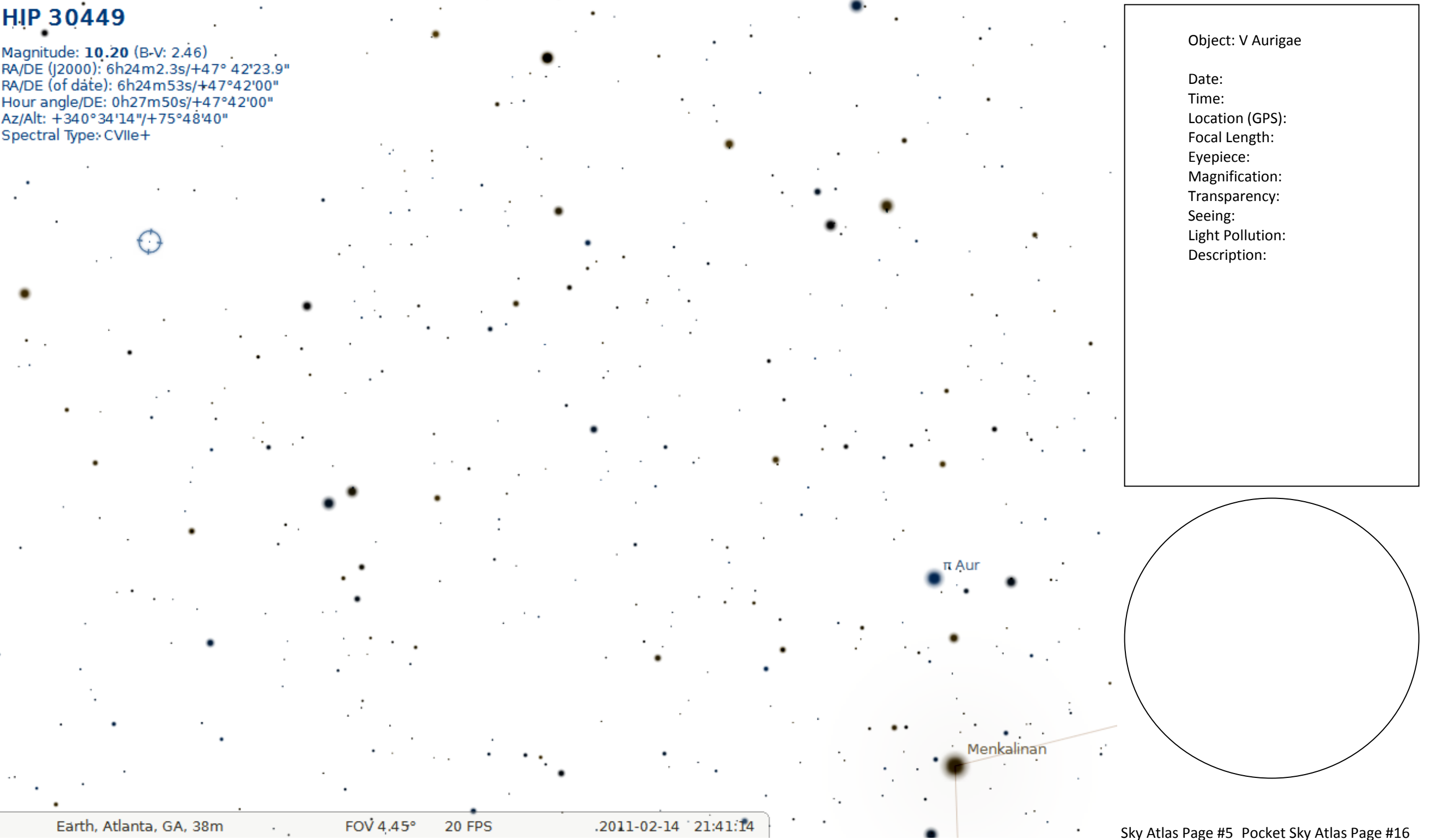


HIP 27398
Magnitude: **8.25** (B-V: 2.52)
Absolute Magnitude: -0.40
RA/DE (J2000): 5h48m8.2s/+30° 37'51.8"
RA/DE (of date): 5h48m51s/+30°38'03"
Hour angle/DE: 1h3m52s/+30°38'03"
Az/Alt: +258°23'26"/+76° 1'06"
Spectral Type: C4II
Distance: 1753.53 Light Years
Parallax: 0.00186"

Object: FU Aurigae

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:





HIP 30449

Magnitude: 10.20 (B-V: 2.46)
RA/DE (J2000): 6h24m2.3s/+47° 42'23.9"
RA/DE (of date): 6h24m53s/+47°42'00"
Hour angle/DE: 0h27m50s/+47°42'00"
Az/Alt: +340°34'14"/+75°48'40"
Spectral Type: CVIle+

Object: V Aurigae

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

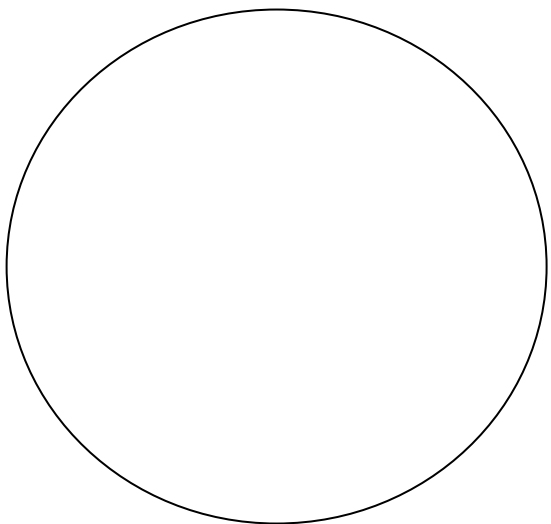
Magnification:

Transparency:

Seeing:

Light Pollution:

Description:



π Aug

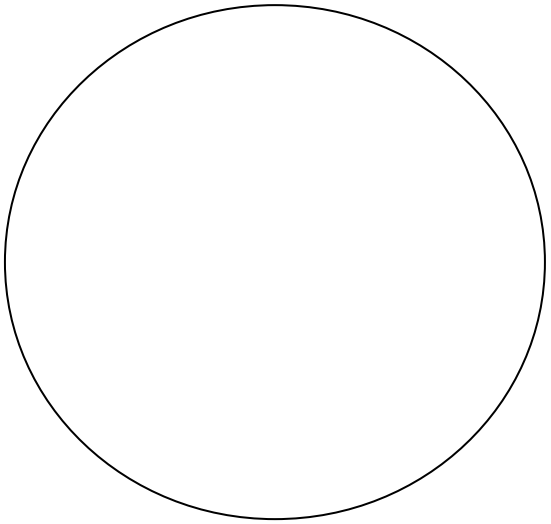
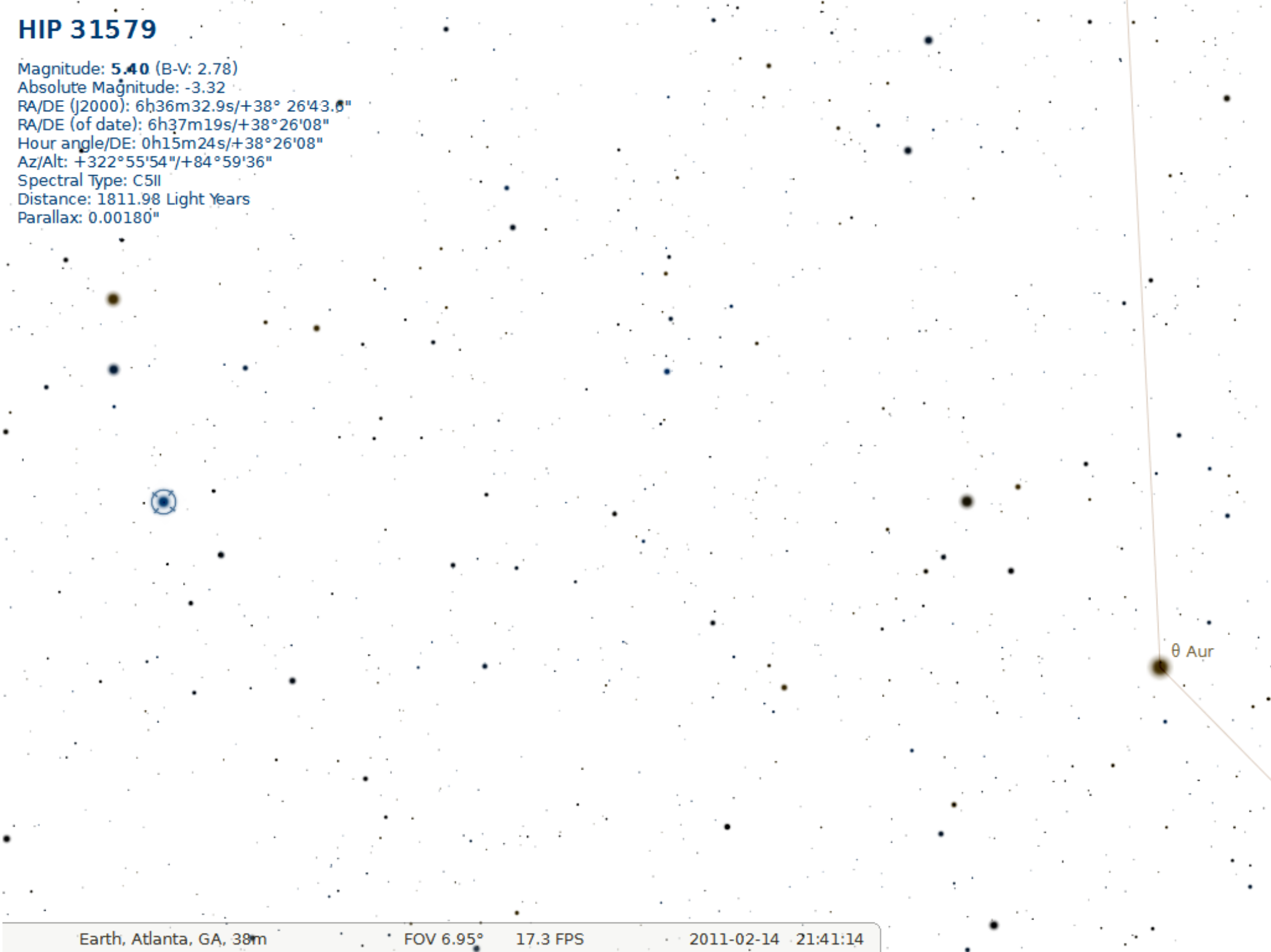
Menkalinan

HIP 31579

Magnitude: **5.40** (B-V: 2.78)
Absolute Magnitude: -3.32
RA/DE (J2000): 6h36m32.9s/+38° 26'43.6"
RA/DE (of date): 6h37m19s/+38°26'08"
Hour angle/DE: 0h15m24s/+38°26'08"
Az/Alt: +322°55'54"/+84°59'36"
Spectral Type: C5II
Distance: 1811.98 Light Years
Parallax: 0.00180"

Object: UU Aurigae

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

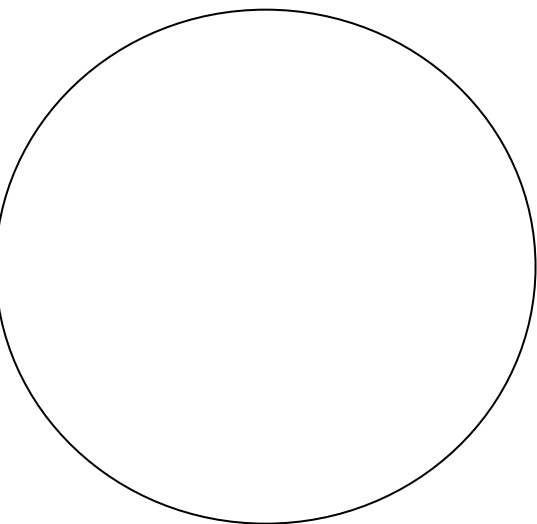
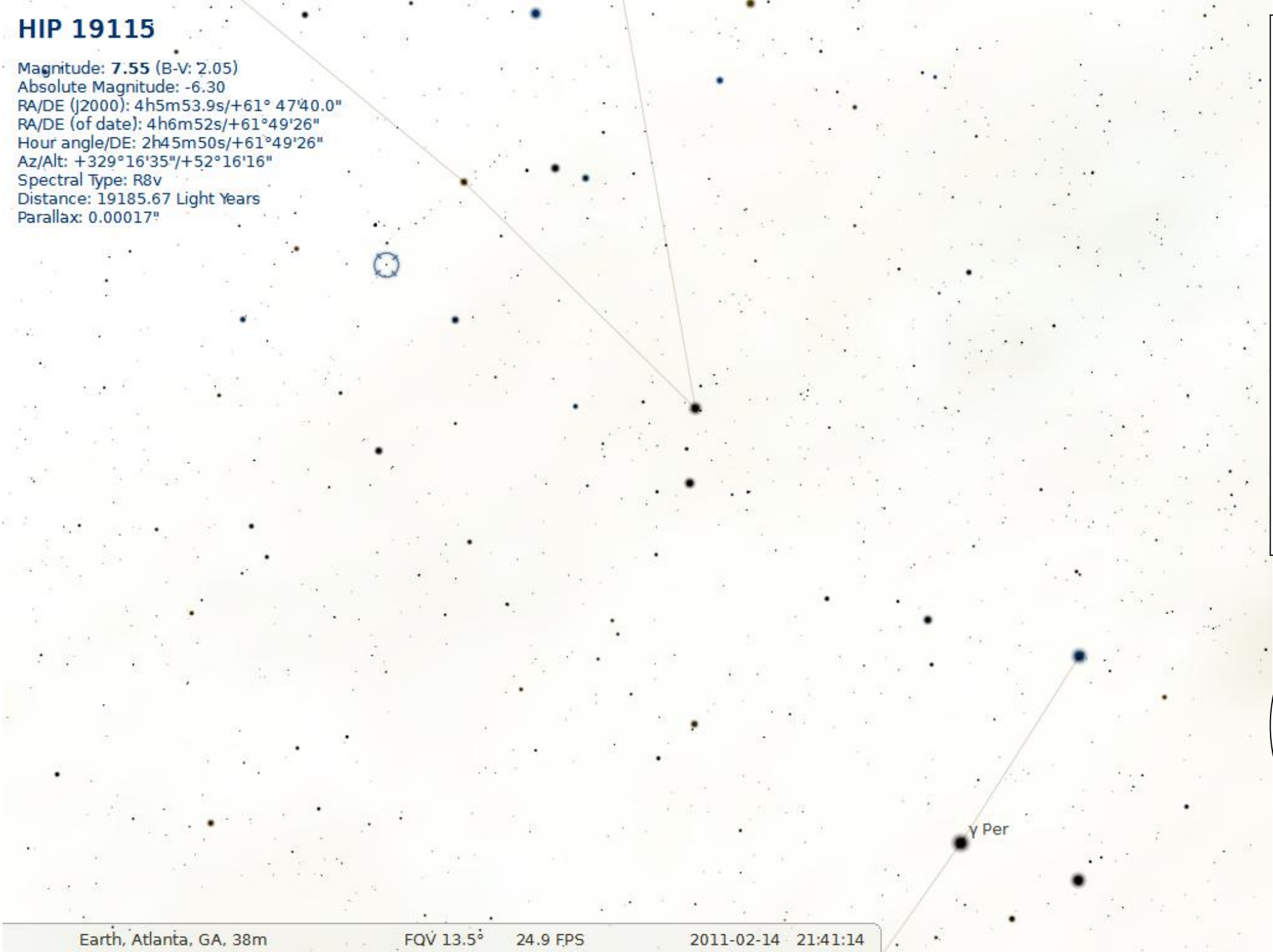


HIP 19115

Magnitude: 7.55 (B-V: 2.05)
Absolute Magnitude: -6.30
RA/DE (J2000): 4h5m53.9s/+61° 47'40.0"
RA/DE (of date): 4h6m52s/+61°49'26"
Hour angle/DE: 2h45m50s/+61°49'26"
Az/Alt: +329°16'35"/+52°16'16"
Spectral Type: R8v
Distance: 19185.67 Light Years
Parallax: 0.00017"

Object: UV Camelopardis

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

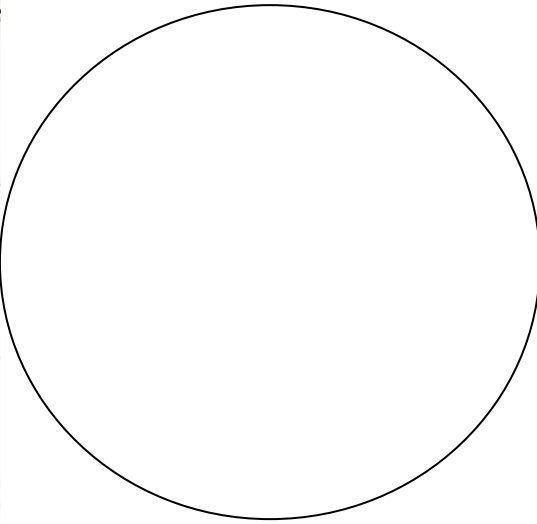
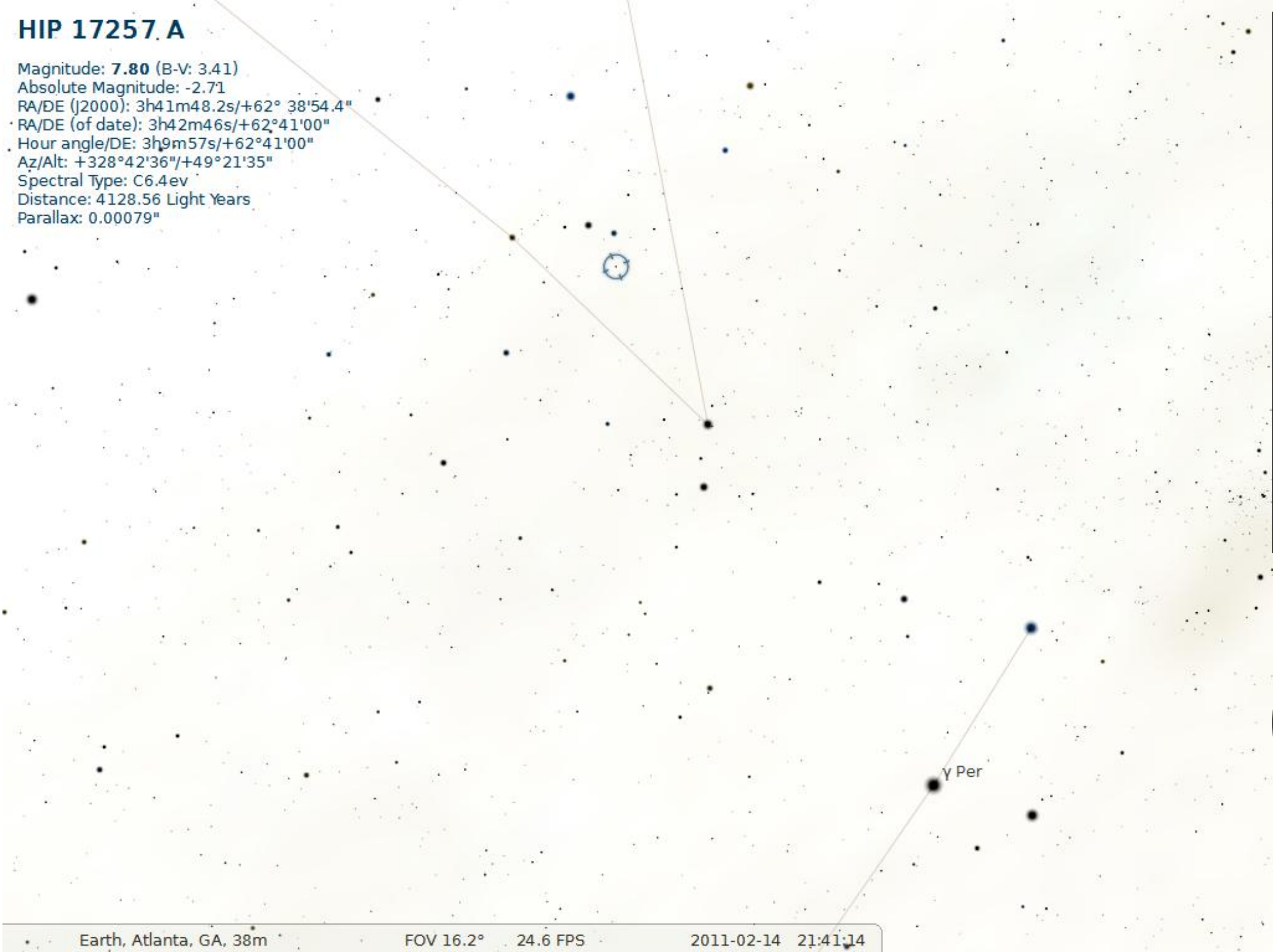


HIP 17257. A

Magnitude: 7.80 (B-V: 3.41)
Absolute Magnitude: -2.71
RA/DE (J2000): 3h41m48.2s/+62° 38'54.4"
RA/DE (of date): 3h42m46s/+62°41'00"
Hour angle/DE: 3h9m57s/+62°41'00"
Az/Alt: +328°42'36"/+49°21'35"
Spectral Type: C6.4ev
Distance: 4128.56 Light Years
Parallax: 0.00079"

Object: U Camelopardis

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



HIP 19340

Magnitude: 7.25 (B-V: 0.82)
RA/DE (J2000): 4h8m38.8s/+53° 21'39.3"
RA/DE (of date): 4h9m31s/+53°23'23"
Hour angle/DE: 2h43m12s/+53°23'23"
Az/Alt: +316° 9'46"/+55°45'42"
Spectral Type: G1I_ (C0-2,0)



Object: XX Camelopardis

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

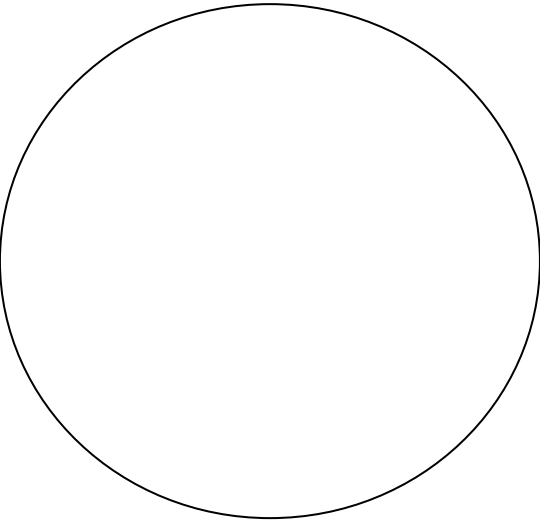
Magnification:

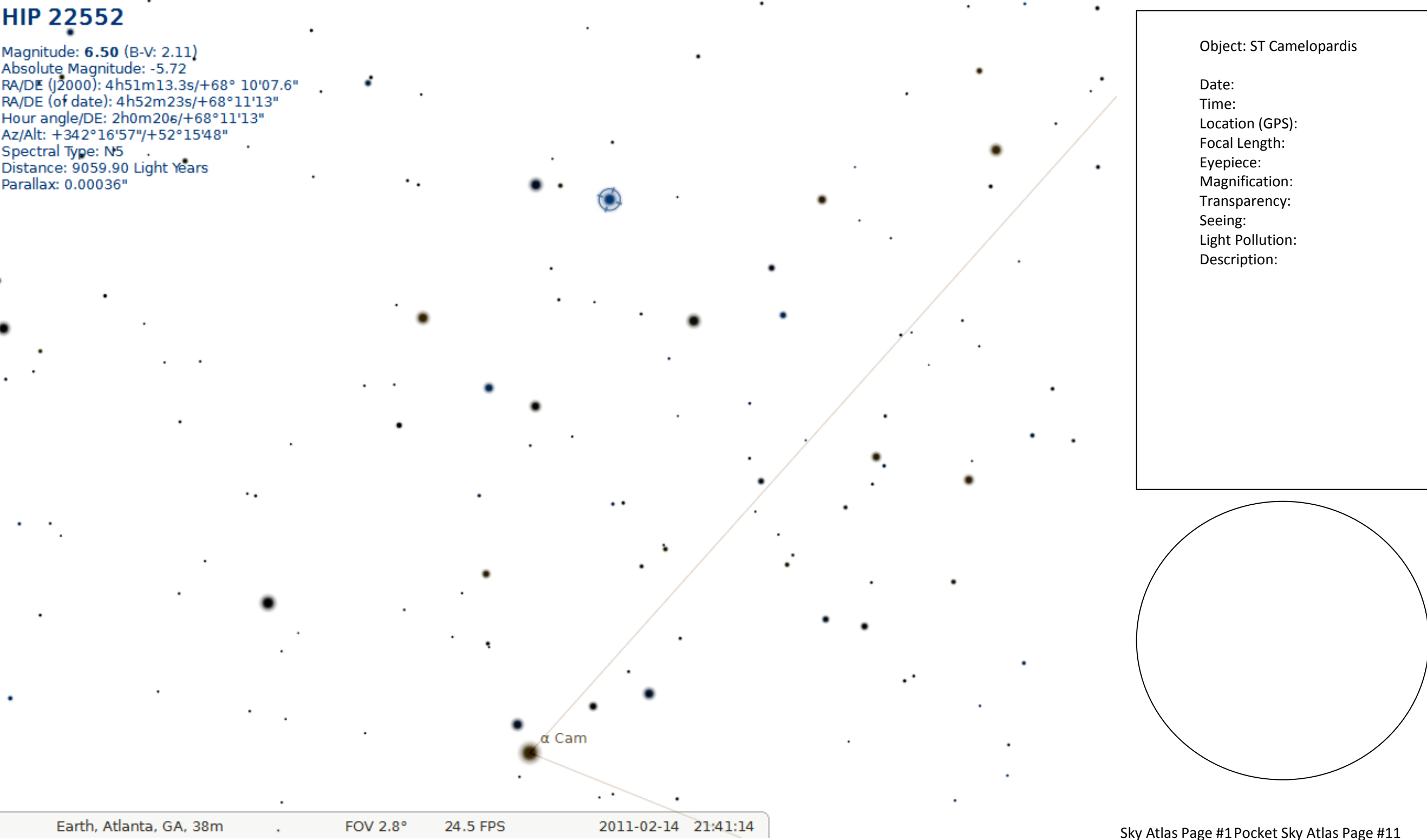
Transparency:

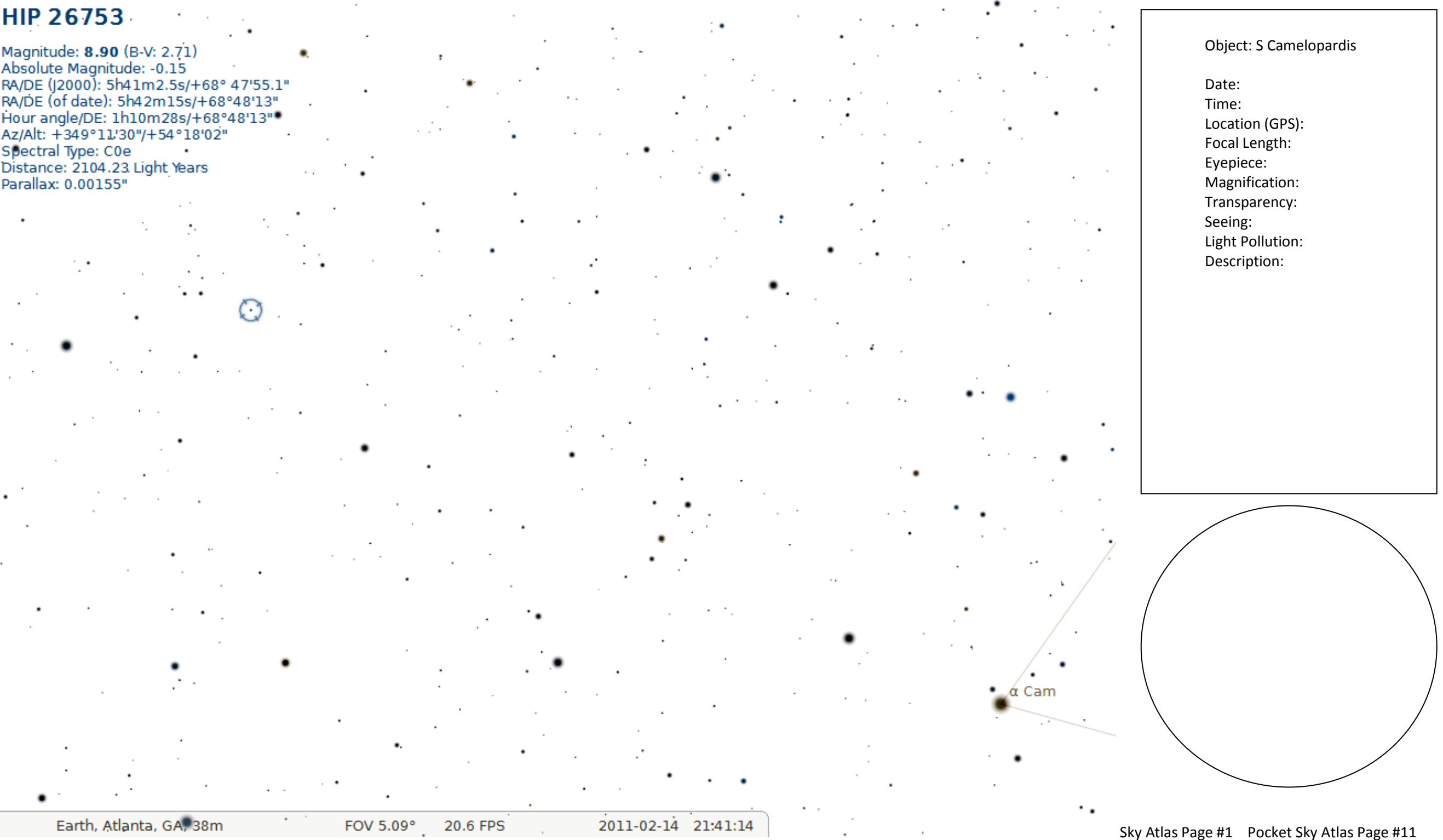
Seeing:

Light Pollution:

Description:







HIP 26753
Magnitude: **8.90** (B-V: 2.71)
Absolute Magnitude: -0.15
RA/DE (J2000): 5h41m2.5s/+68° 47'55.1"
RA/DE (of date): 5h42m15s/+68°48'13"
Hour angle/DE: 1h10m28s/+68°48'13"
Az/Alt: +349°11'30"/+54°18'02"
Spectral Type: C0e
Distance: 2104.23 Light Years
Parallax: 0.00155"

Object: S Camelopardis

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

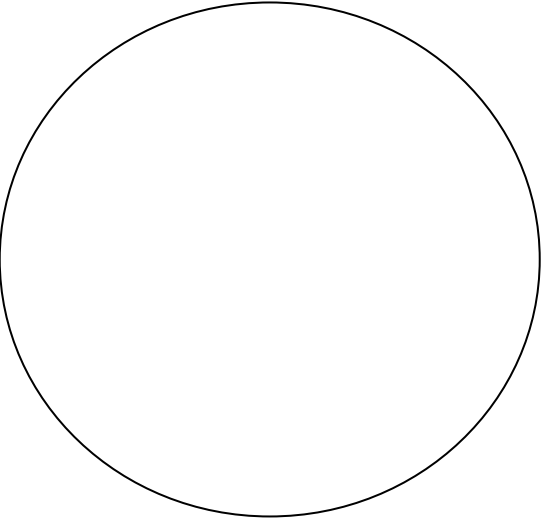
Magnification:

Transparency:

Seeing:

Light Pollution:

Description:



HIP 35681

Magnitude: 8.50 (B-V: 1.14)
Absolute Magnitude: -2.65
RA/DE (J2000): 7h21m44.1s/+69° 40'14.7"
RA/DE (of date): 7h22m56s/+69°38'56"
Hour angle/DE: 23h29m47s/+69°38'56"
Az/Alt: +4°31'37"/+54°36'15"
Spectral Type: C3.2e
Distance: 5528.07 Light Years
Parallax: 0.00059"

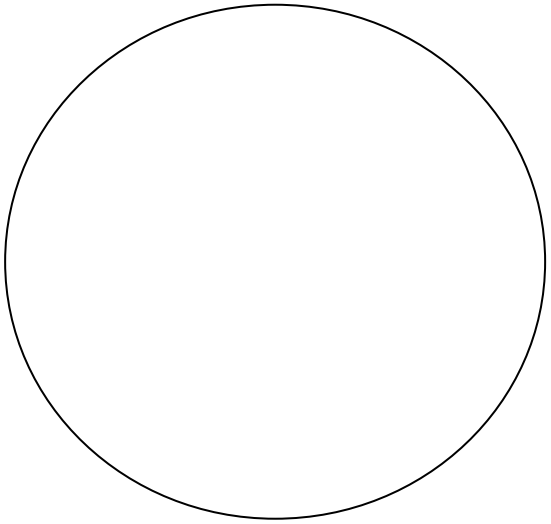
Object: RU Camelopardis

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

NGC 2366

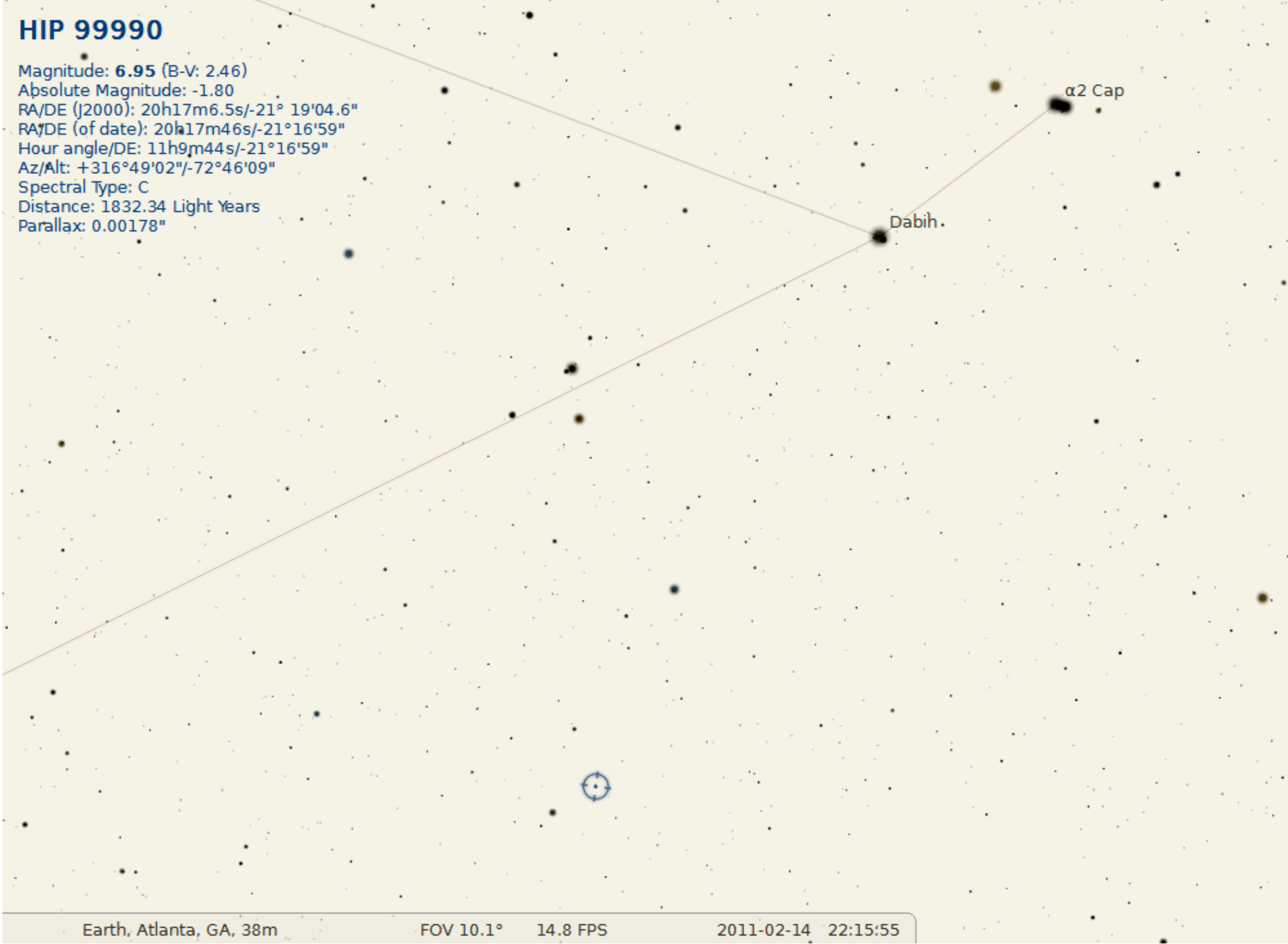
43 Cam

42 Cam



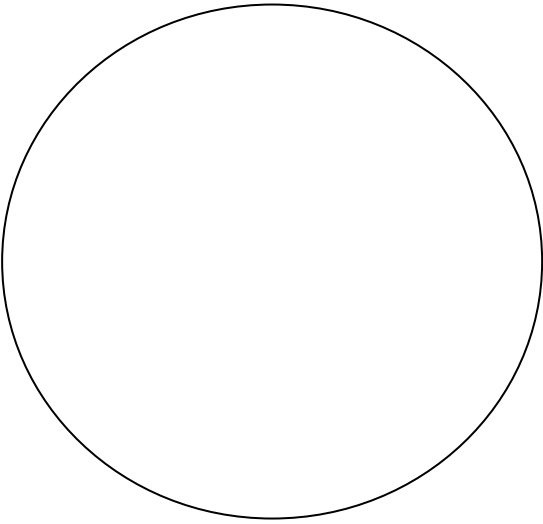
HIP 99990

Magnitude: 6.95 (B-V: 2.46)
Absolute Magnitude: -1.80
RA/DE (J2000): 20h17m6.5s/-21° 19'04.6"
RA/DE (of date): 20h17m46s/-21°16'59"
Hour angle/DE: 11h9m44s/-21°16'59"
Az/Alt: +316°49'02"/-72°46'09"
Spectral Type: C
Distance: 1832.34 Light Years
Parallax: 0.00178"



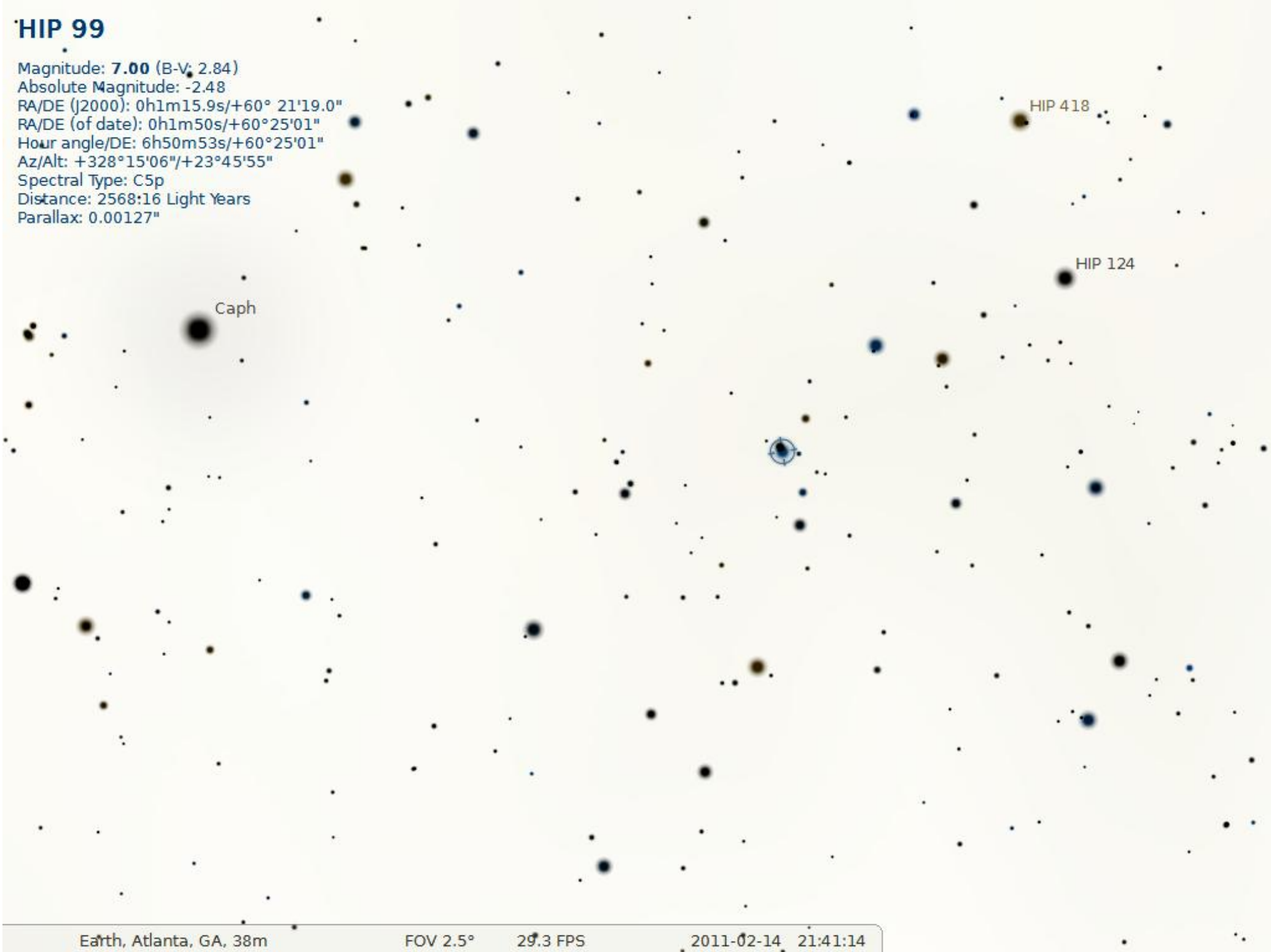
Object: RT Capricorni

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



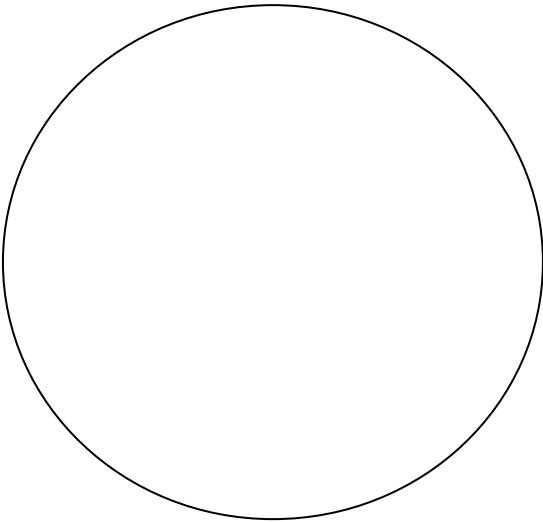
HIP 99

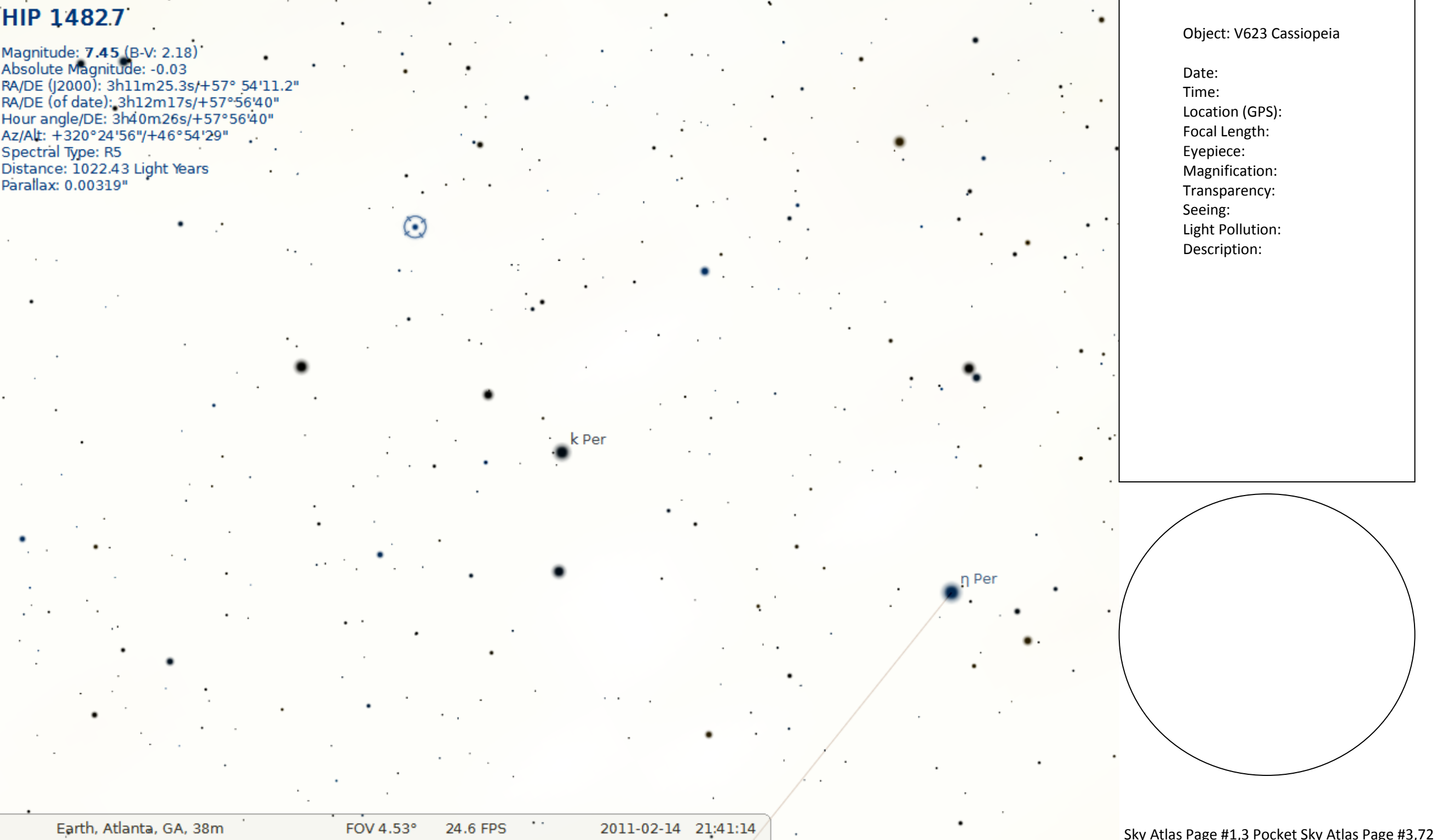
Magnitude: 7.00 (B-V: 2.84)
Absolute Magnitude: -2.48
RA/DE (J2000): 0h1m15.9s/+60° 21'19.0"
RA/DE (of date): 0h1m50s/+60°25'01"
Hour angle/DE: 6h50m53s/+60°25'01"
Az/Alt: +328°15'06"/+23°45'55"
Spectral Type: C5p
Distance: 2568:16 Light Years
Parallax: 0.00127"



Object: WZ Cassiopeia

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

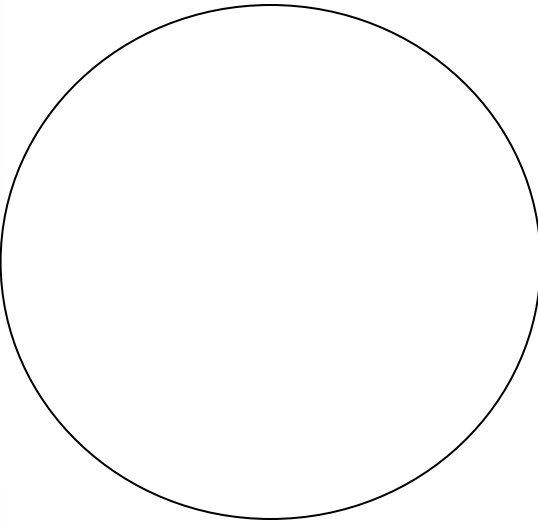




HIP 14827
Magnitude: **7.45** (B-V: 2.18)
Absolute Magnitude: -0.03
RA/DE (J2000): 3h11m25.3s/+57° 54'11.2"
RA/DE (of date): 3h12m17s/+57°56'40"
Hour angle/DE: 3h40m26s/+57°56'40"
Az/Alt: +320°24'56"/+46°54'29"
Spectral Type: R5
Distance: 1022.43 Light Years
Parallax: 0.00319"

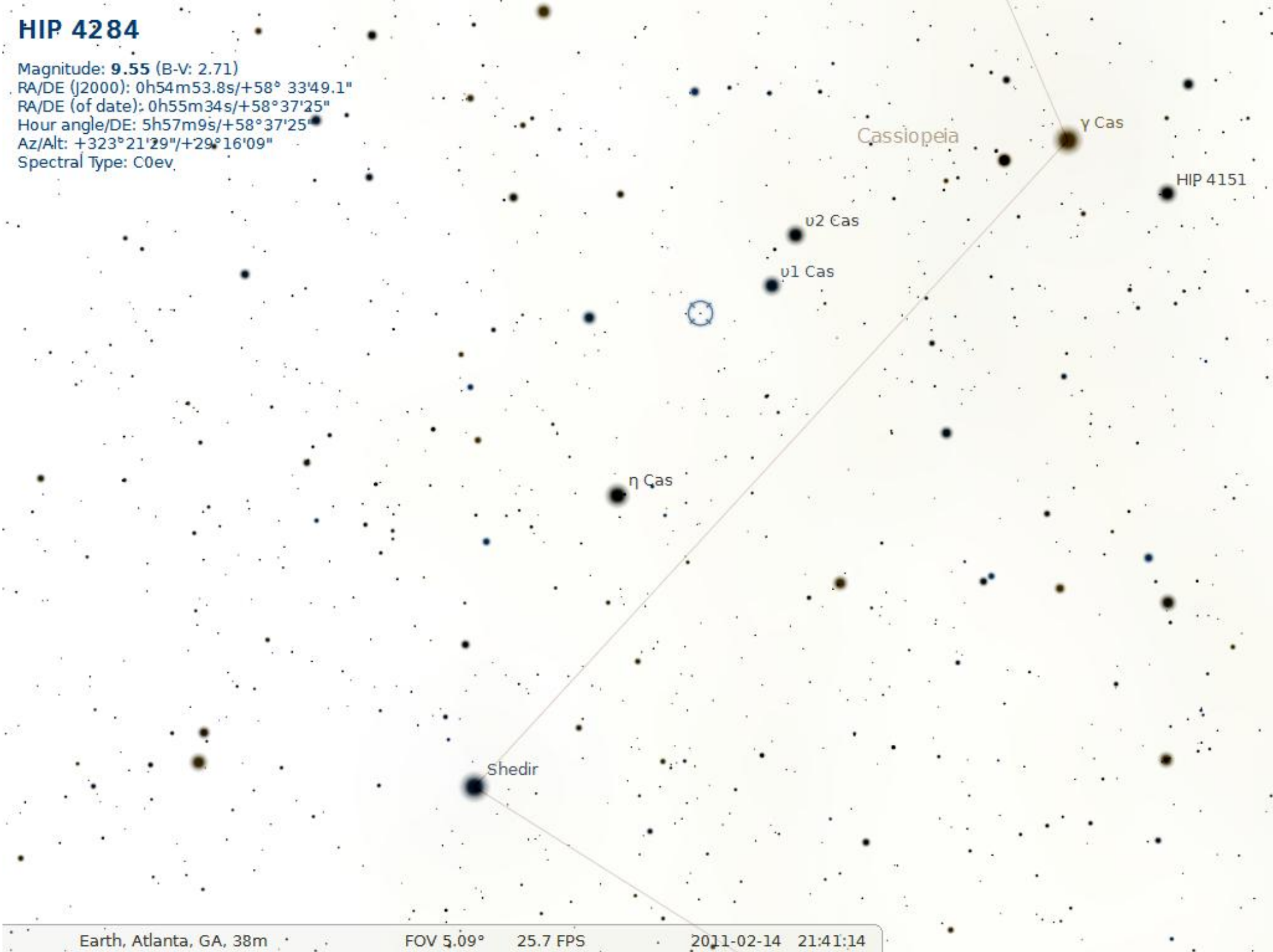
Object: V623 Cassiopeia

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



HIP 4284

Magnitude: 9.55 (B-V: 2.71)
RA/DE (J2000): 0h54m53.8s/+58° 33'49.1"
RA/DE (of date): 0h55m34s/+58°37'25"
Hour angle/DE: 5h57m9s/+58°37'25"
Az/Alt: +323°21'29"/+29°16'09"
Spectral Type: C0ev



Object: W Cassiopeia

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

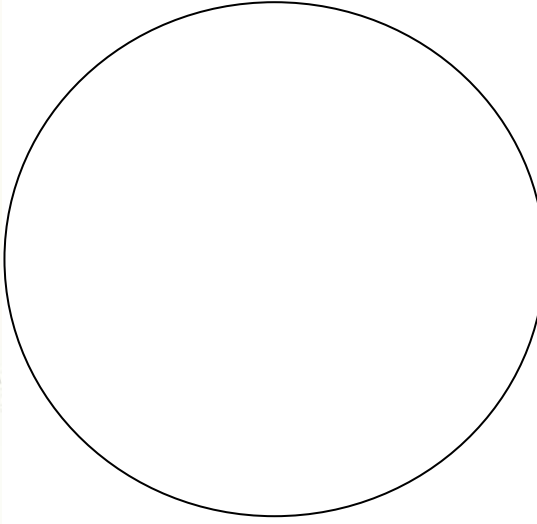
Magnification:

Transparency:

Seeing:

Light Pollution:

Description:



HIP 106583

Magnitude: 7.45 (B-V: 2:71)
Absolute Magnitude: -0.64
RA/DE (J2000): 21h35m12.8s/+78° 37'28.2"
RA/DE (of date): 21h35m3s/+78°40'28"
Hour angle/DE: 9h52m26s/+78°40'28"
Az/Alt: +353°26'33"/+24°42'21"
Spectral Type: C6II
Distance: 1353.35 Light Years
Parallax: 0.00241"

Errai

π Cep



Object: S Cephei

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

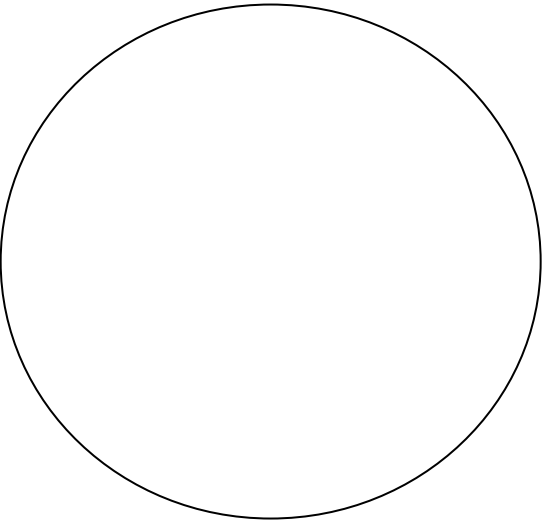
Magnification:

Transparency:

Seeing:

Light Pollution:

Description:

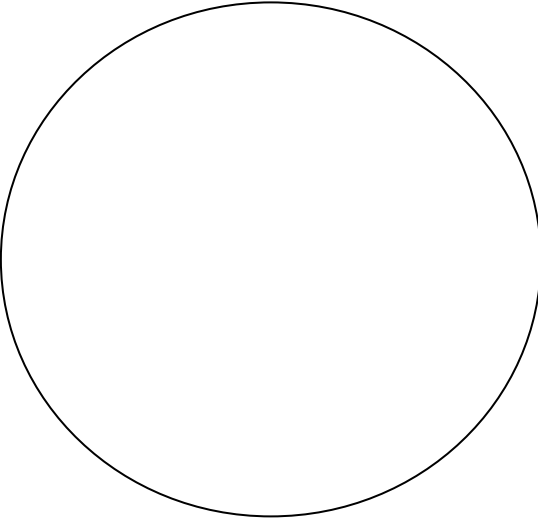
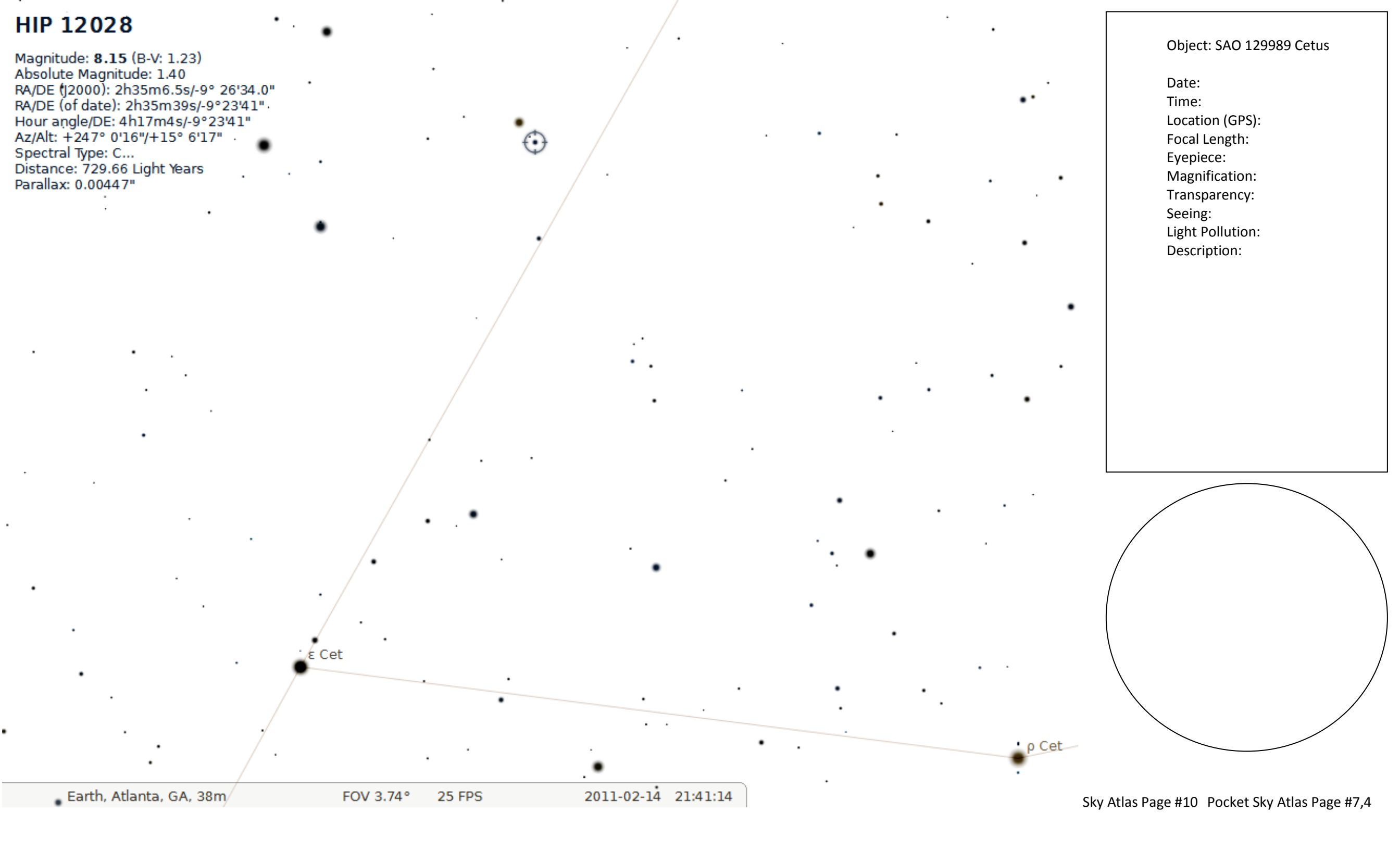


HIP 12028

Magnitude: **8.15** (B-V: 1.23)
Absolute Magnitude: 1.40
RA/DE (J2000): 2h35m6.5s/-9° 26'34.0"
RA/DE (of date): 2h35m39s/-9°23'41"
Hour angle/DE: 4h17m4s/-9°23'41"
Az/Alt: +247° 0'16"/+15° 6'17"
Spectral Type: C...
Distance: 729.66 Light Years
Parallax: 0.00447"

Object: SAO 129989 Cetus

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



HIP 34413

Magnitude: 6.65 (B-V: 2.56)
Absolute Magnitude: -5.13.
RA/DE (J2000): 7h8m3.4s/-11° 55'23.8"
RA/DE (of date): 7h8m35s/-11° 56'29"
Hour angle/DE: 23h44m8s/-11° 56'29"
Az/Alt: 217° 39'21"/+43° 24'22"
Spectral Type: C5II
Distance: 7412.64 Light Years
Parallax: 0.00044"

NGC 2335

NGC 2343

NGC 2345

θ CMa

Object: W Canis Majoris

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

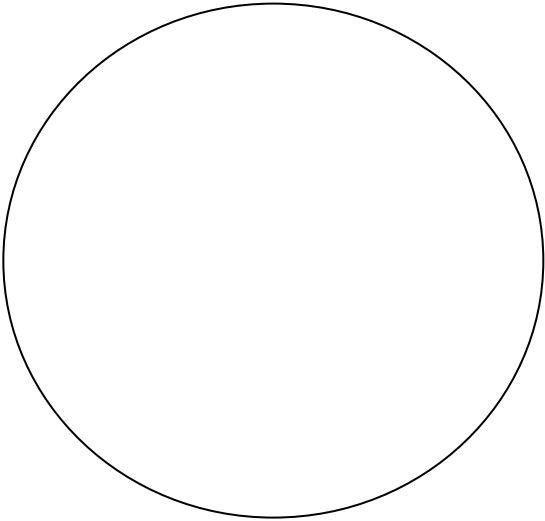
Magnification:

Transparency:

Seeing:

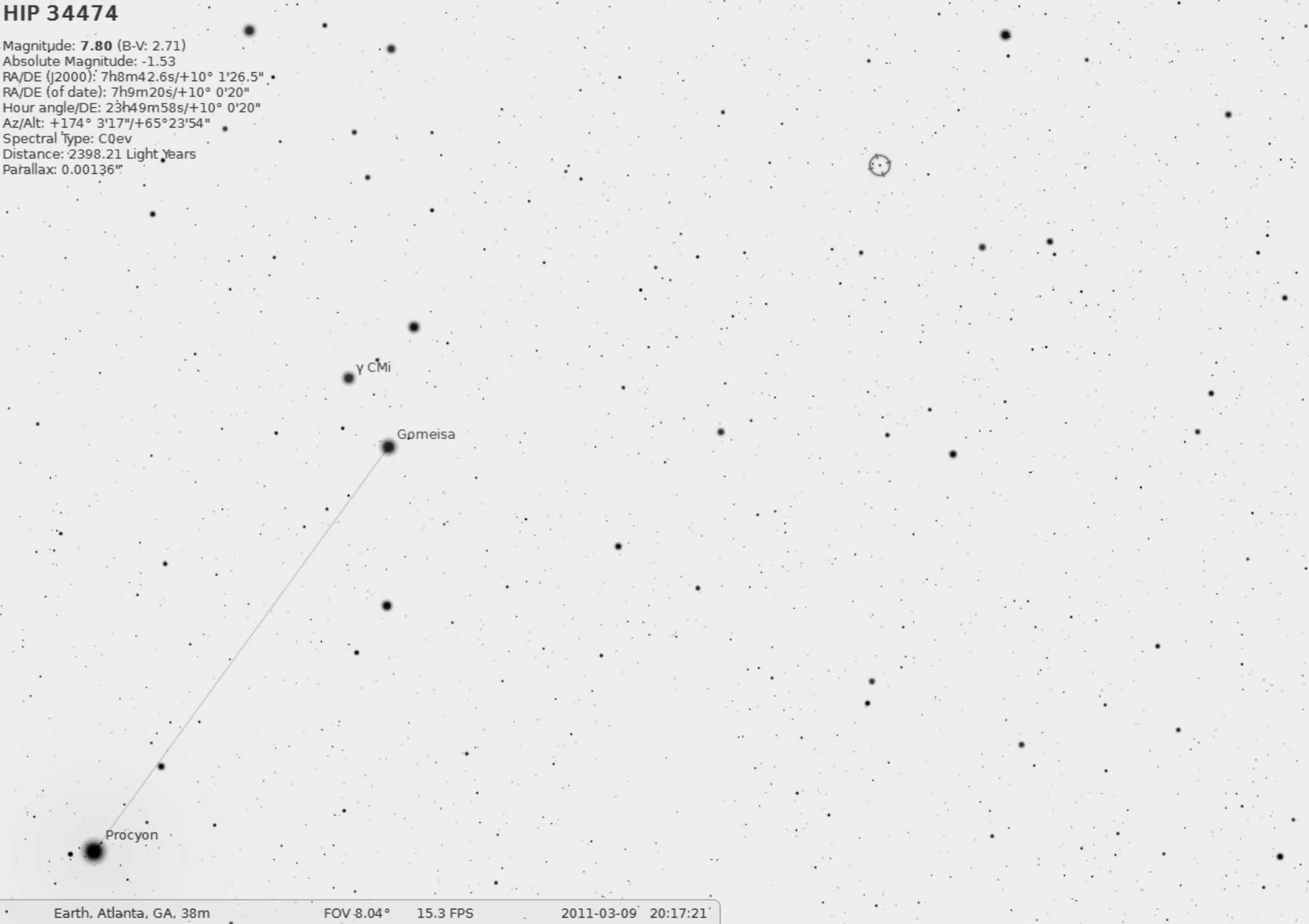
Light Pollution:

Description:



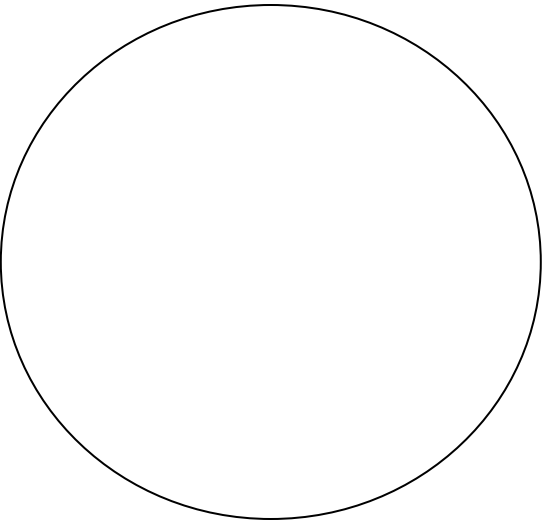
HIP 34474

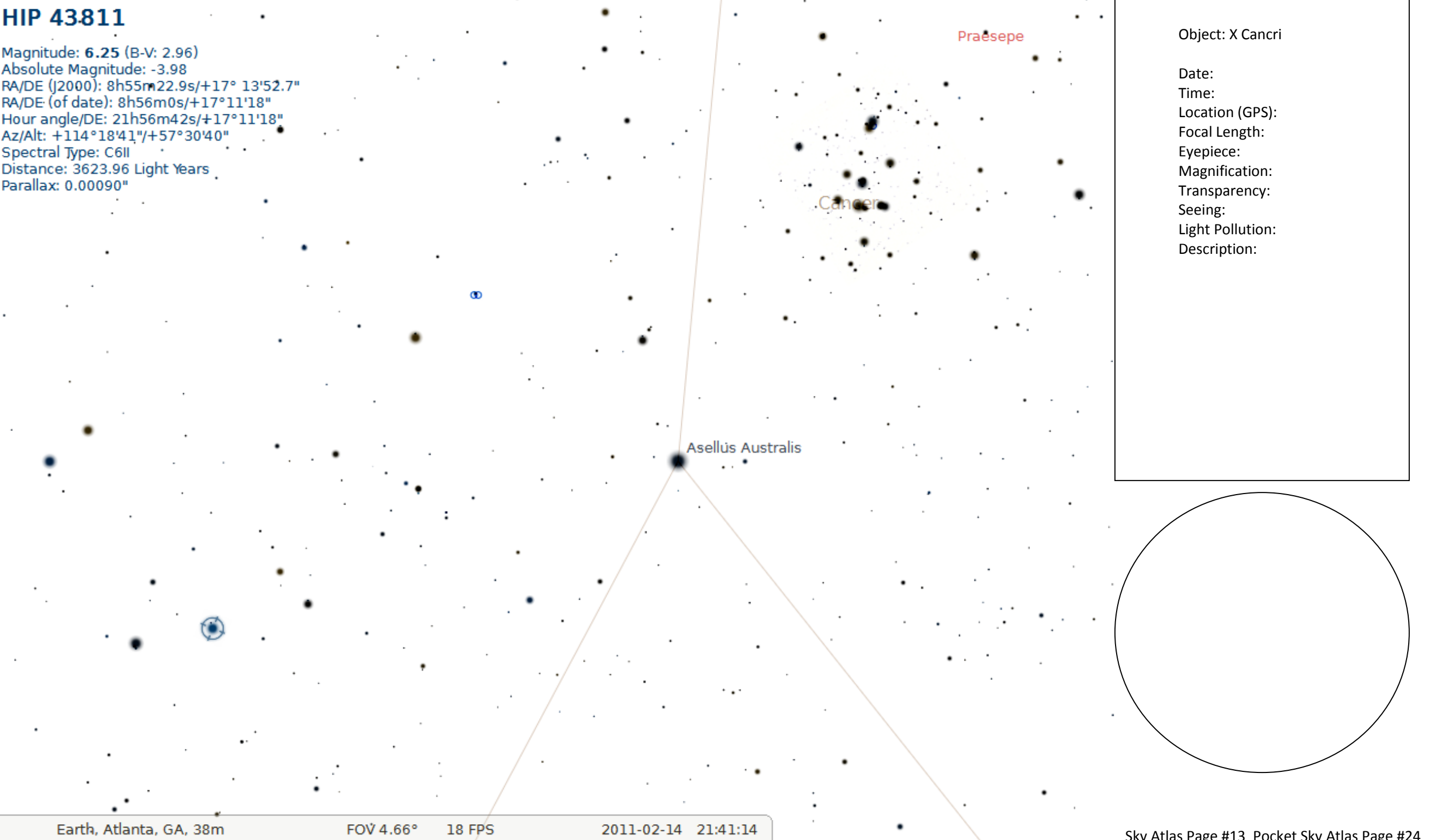
Magnitude: **7.80** (B-V: 2.71)
Absolute Magnitude: -1.53
RA/DE (J2000): 7h8m42.6s/+10° 1'26.5"
RA/DE (of date): 7h9m20s/+10° 0'20"
Hour angle/DE: 23h49m58s/+10° 0'20"
Az/Alt: +174° 3'17"/+65°23'54"
Spectral Type: C0ev
Distance: 2398.21 Light Years
Parallax: 0.00136"

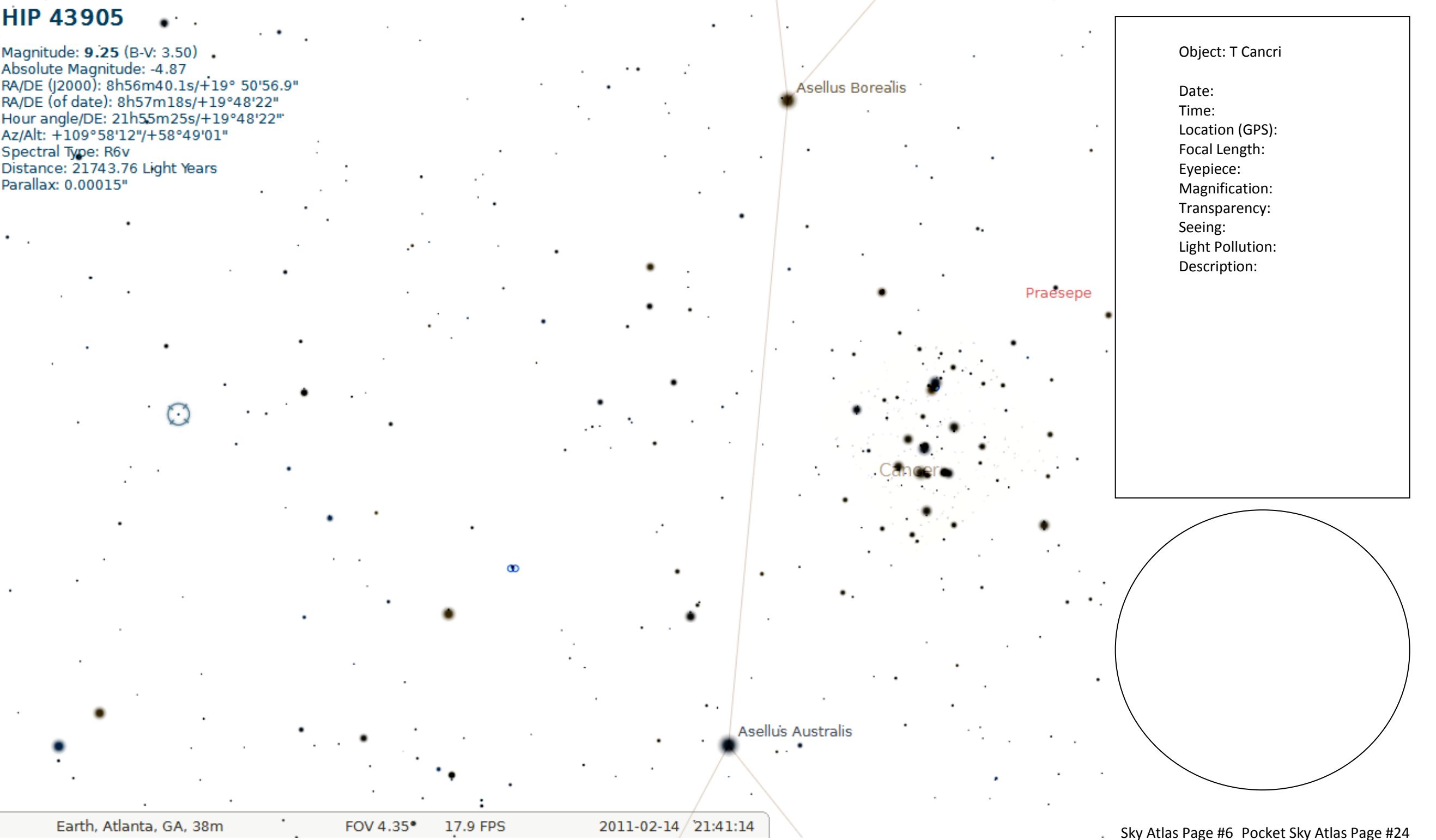


Object: R Canis Minoris

- Date:
- Time:
- Location (GPS):
- Focal Length:
- Eyepiece:
- Magnification:
- Transparency:
- Seeing:
- Light Pollution:
- Description:







HIP 43905
Magnitude: **9.25** (B-V: 3.50)
Absolute Magnitude: -4.87
RA/DE (J2000): 8h56m40.1s/+19° 50'56.9"
RA/DE (of date): 8h57m18s/+19°48'22"
Hour angle/DE: 21h55m25s/+19°48'22"
Az/Alt: +109°58'12"/+58°49'01"
Spectral Type: R6v
Distance: 21743.76 Light Years
Parallax: 0.00015"

Object: T Cancri

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

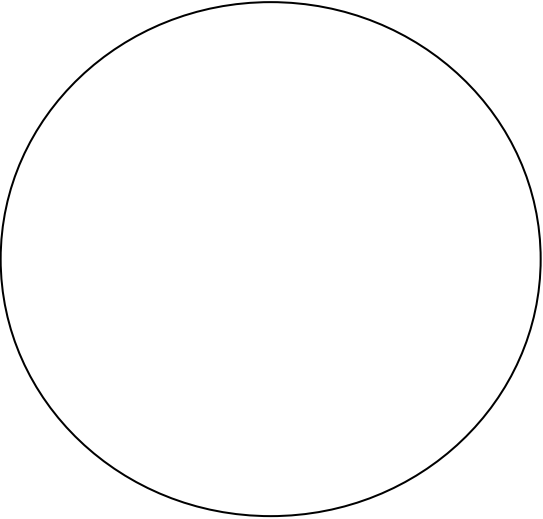
Magnification:

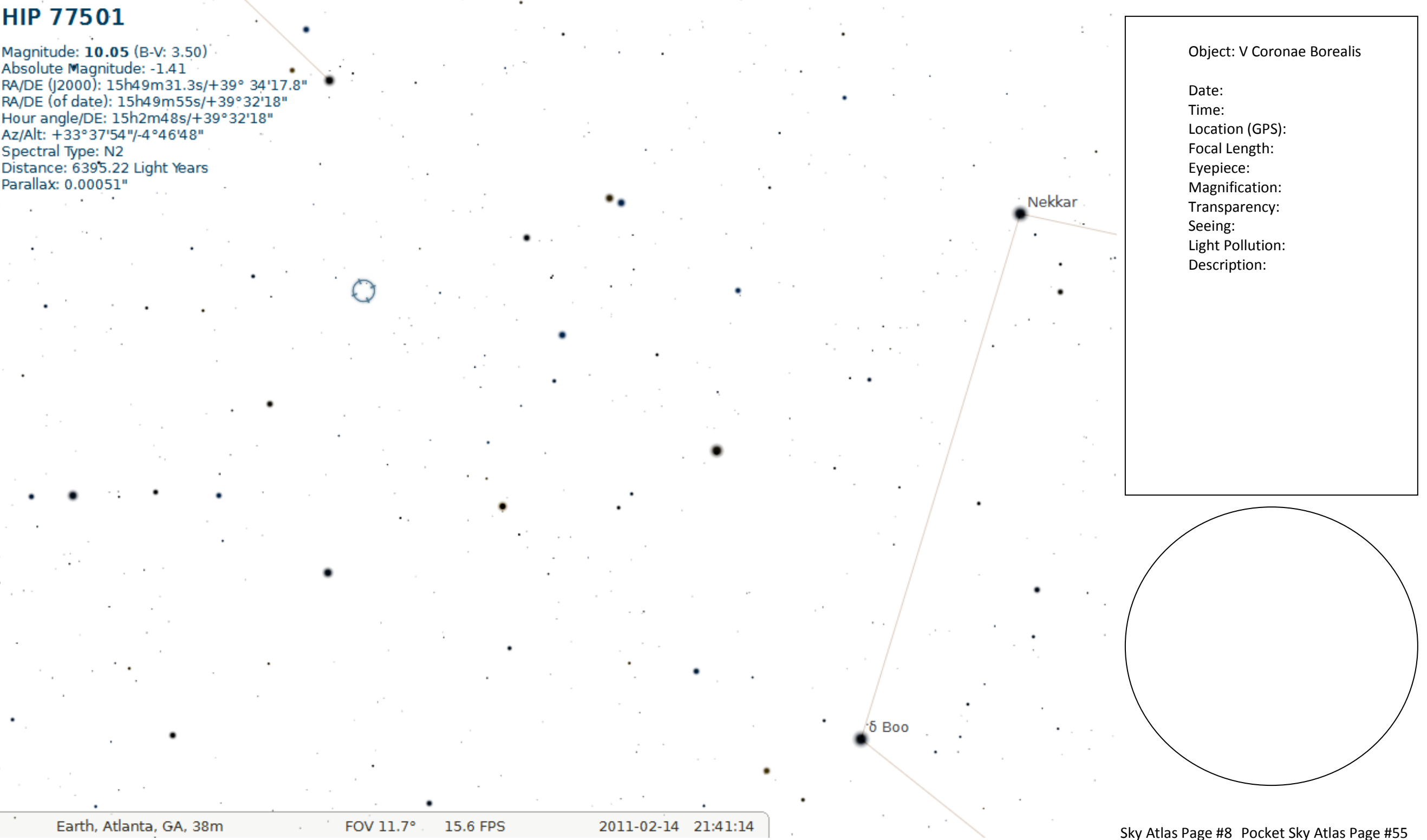
Transparency:

Seeing:

Light Pollution:

Description:





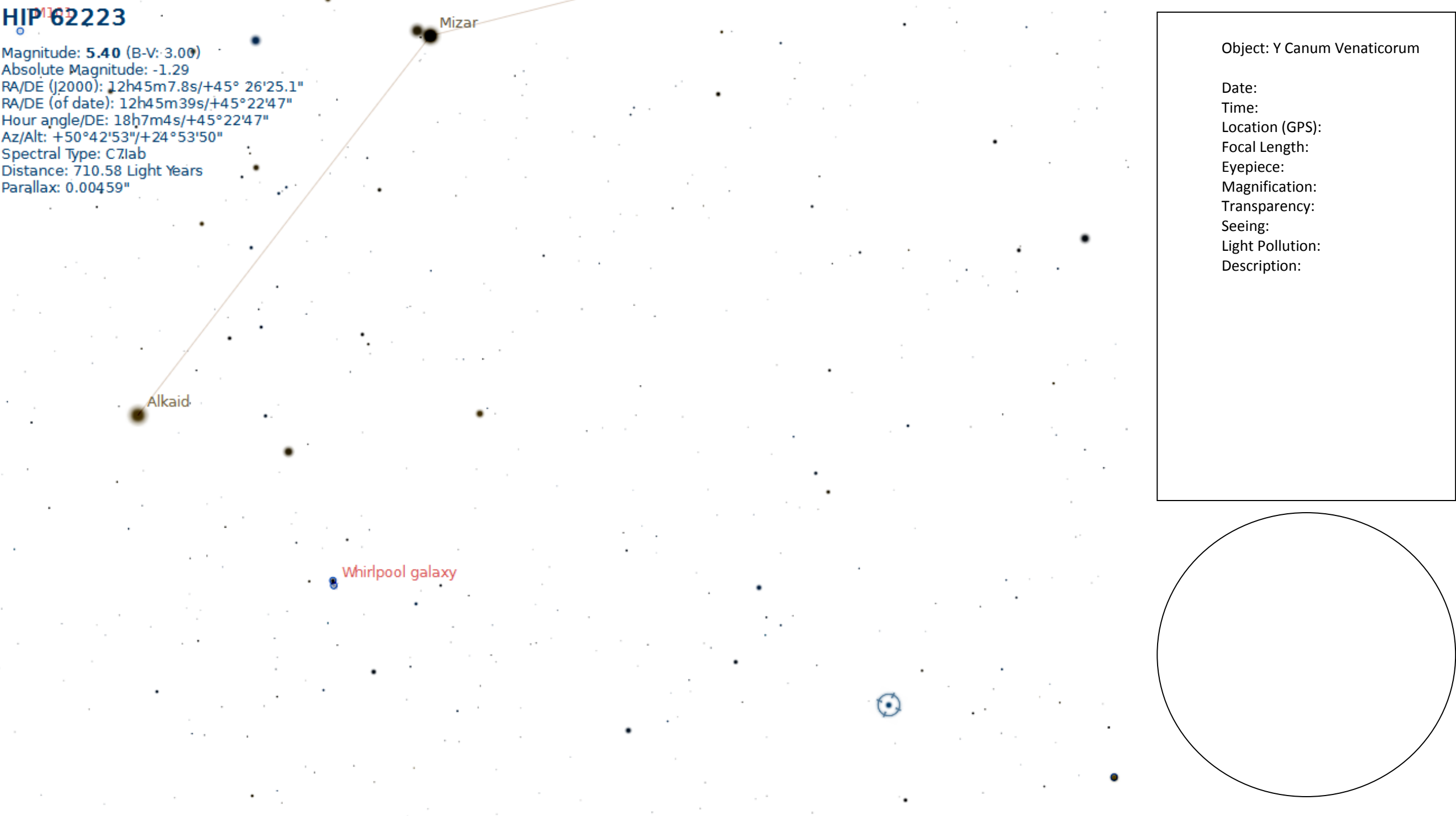
HIP 77501
Magnitude: **10.05** (B-V: 3.50)
Absolute Magnitude: -1.41
RA/DE (J2000): 15h49m31.3s/+39° 34'17.8"
RA/DE (of date): 15h49m55s/+39°32'18"
Hour angle/DE: 15h2m48s/+39°32'18"
Az/Alt: +33°37'54"/-4°46'48"
Spectral Type: N2
Distance: 6395.22 Light Years
Parallax: 0.00051"

Object: V Coronae Borealis

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

Nekkar

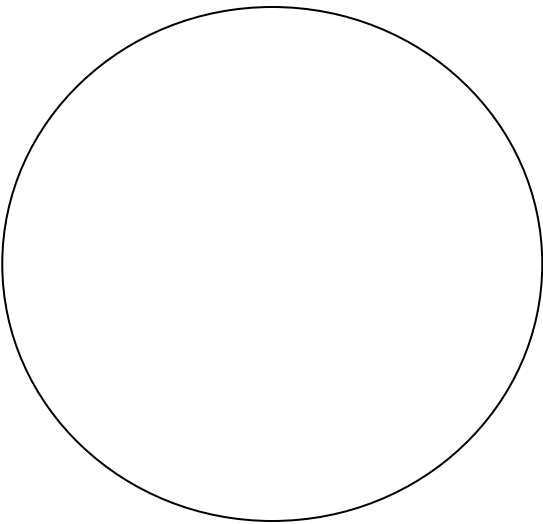
δ Boo



HIP 62223
Magnitude: **5.40** (B-V: 3.00)
Absolute Magnitude: -1.29
RA/DE (J2000): 12h45m7.8s/+45° 26'25.1"
RA/DE (of date): 12h45m39s/+45°22'47"
Hour angle/DE: 18h7m4s/+45°22'47"
Az/Alt: +50°42'53"/+24°53'50"
Spectral Type: C7lab
Distance: 710.58 Light Years
Parallax: 0.00459"

Object: Y Canum Venaticorum

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

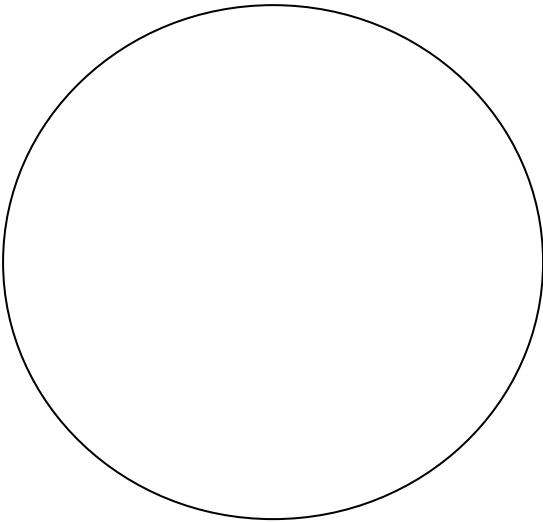
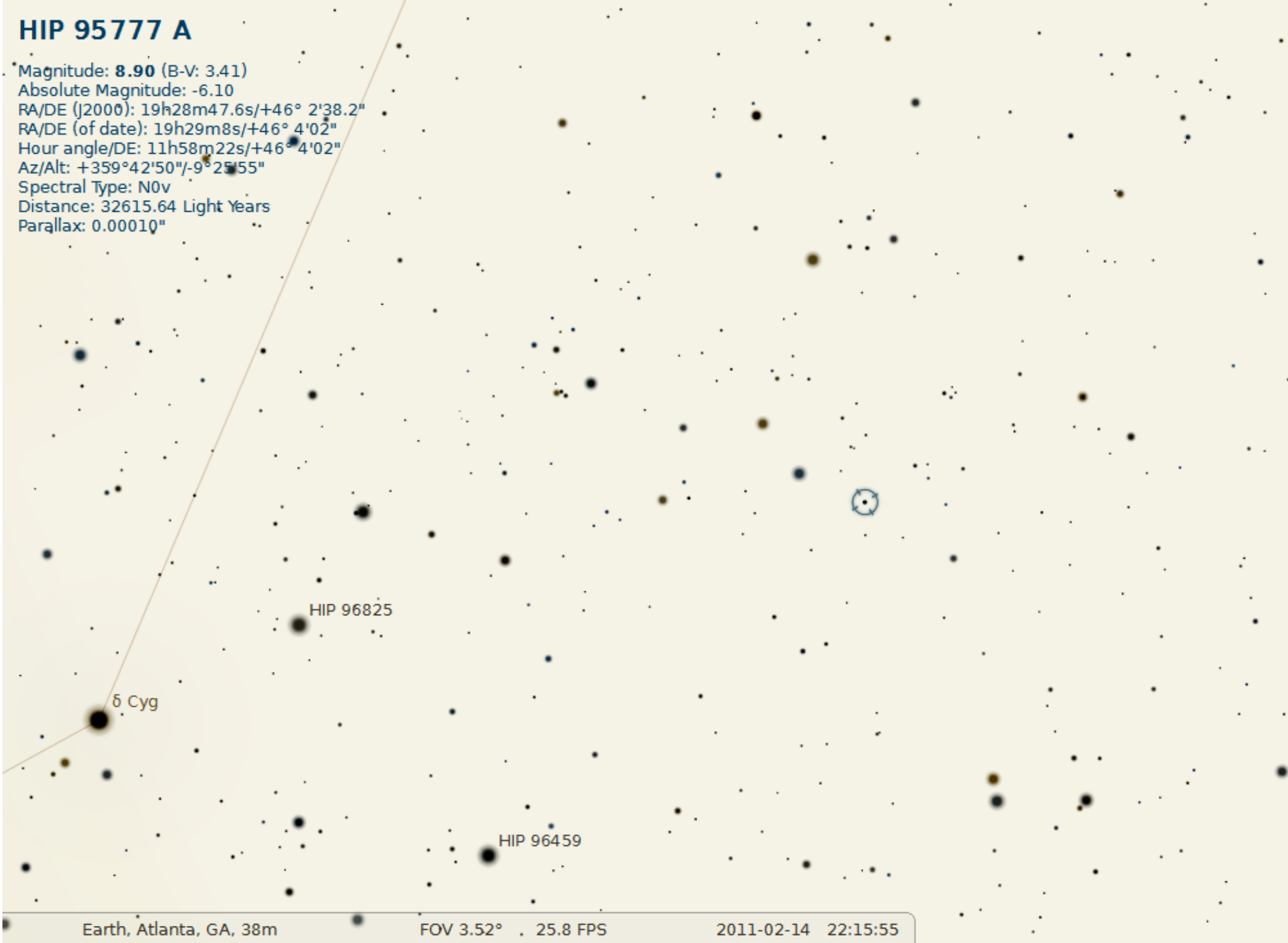


HIP 95777 A

Magnitude: 8.90 (B-V: 3.41)
Absolute Magnitude: -6.10
RA/DE (J2000): 19h28m47.6s/+46° 2'38.2"
RA/DE (of date): 19h29m8s/+46° 4'02"
Hour angle/DE: 11h58m22s/+46° 4'02"
Az/Alt: +359°42'50"/-9°25'55"
Spectral Type: N0v
Distance: 32615.64 Light Years
Parallax: 0.00010"

Object: Object: AW Cygni

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



HIP 96836

Magnitude: 7.60 (B-V: 2.90)
Absolute Magnitude: -0.94
RA/DE (J2000): 19h40m57.0s/+32° 37'05.7"
RA/DE (of date): 19h41m23s/+32°38'41"
Hour angle/DE: 11h46m7s/+32°38'41"
Az/Alt: +356°49'53"/-22°46'35"
Spectral Type: C6.4e
Distance: 1664.06 Light Years
Parallax: 0.00196"

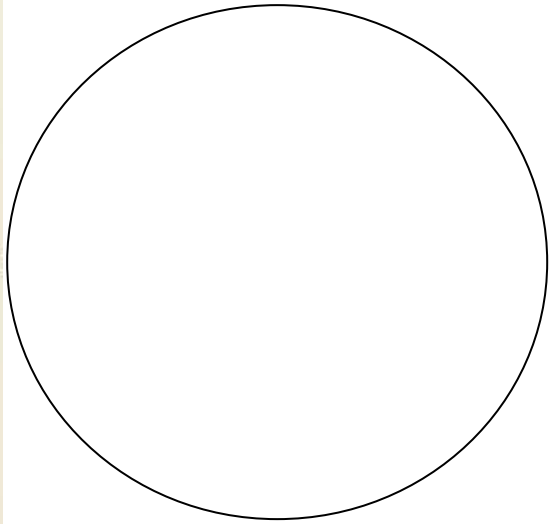
17 Cyg



φ Cyg

Object: TT Cygni

- Date:
- Time:
- Location (GPS):
- Focal Length:
- Eyepiece:
- Magnification:
- Transparency:
- Seeing:
- Light Pollution:
- Description:

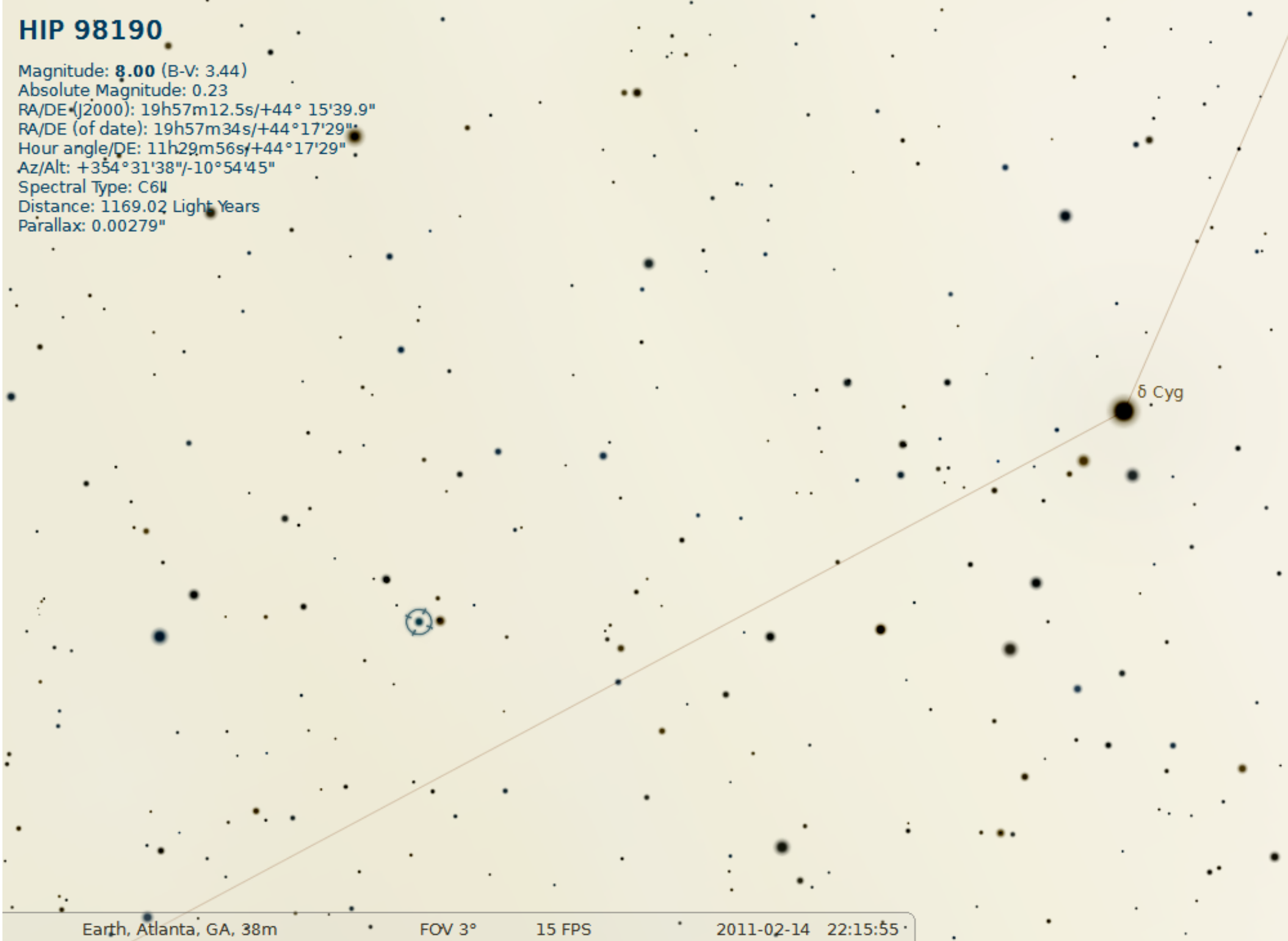
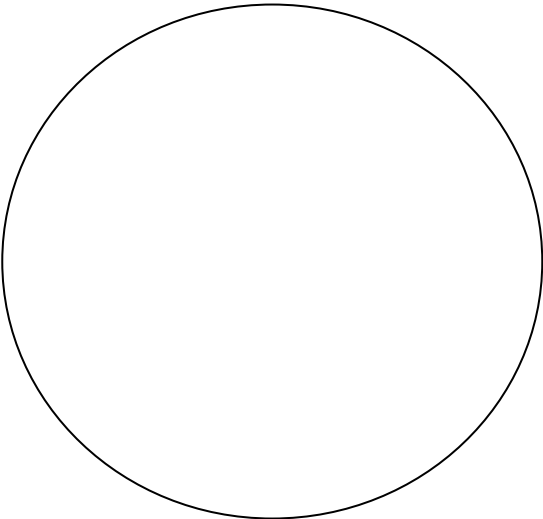


HIP 98190

Magnitude: 8.00 (B-V: 3.44)
Absolute Magnitude: 0.23
RA/DE (J2000): 19h57m12.5s/+44° 15'39.9"
RA/DE (of date): 19h57m34s/+44°17'29"
Hour angle/DE: 11h29m56s/+44°17'29"
Az/Alt: +354°31'38"/-10°54'45"
Spectral Type: C6II
Distance: 1169.02 Light Years
Parallax: 0.00279"

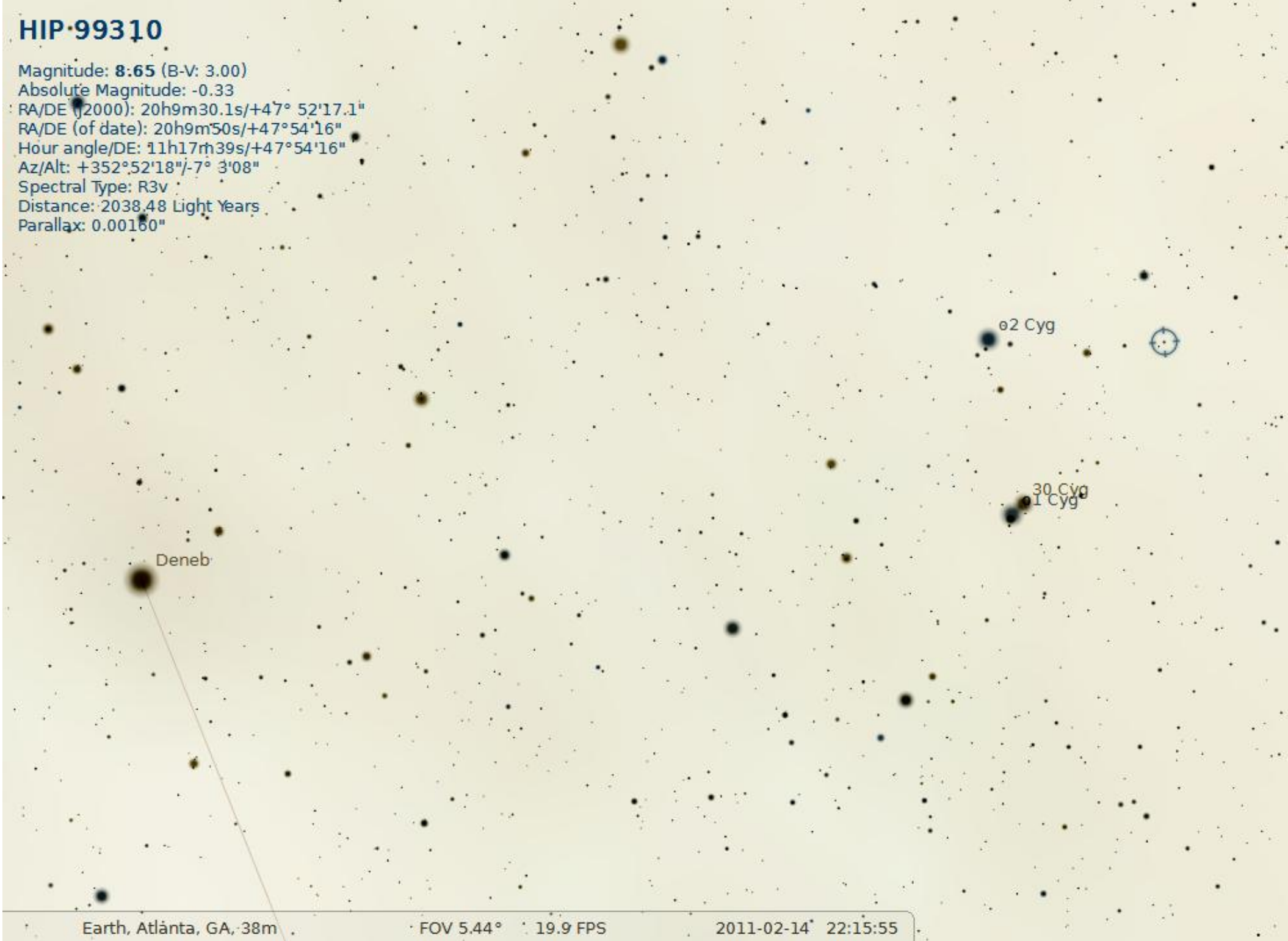
Object: AX Cygni

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



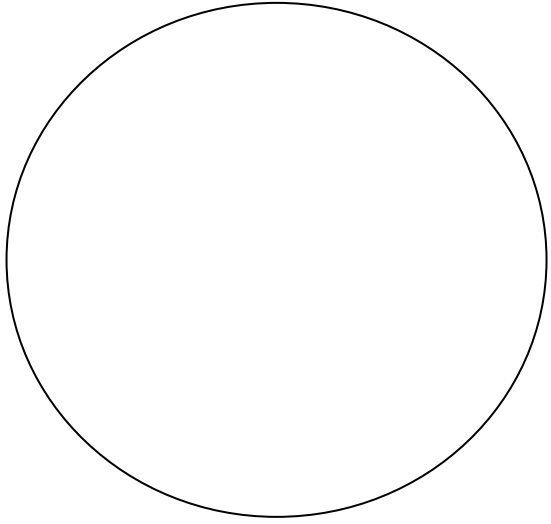
HIP 99310

Magnitude: 8.65 (B-V: 3.00)
Absolute Magnitude: -0.33
RA/DE (J2000): 20h9m30.1s/+47° 52'17.1"
RA/DE (of date): 20h9m50s/+47°54'16"
Hour angle/DE: 11h17m39s/+47°54'16"
Az/Alt: +352°52'18"/-7° 3'08"
Spectral Type: R3v
Distance: 2038.48 Light Years
Parallax: 0.00160"

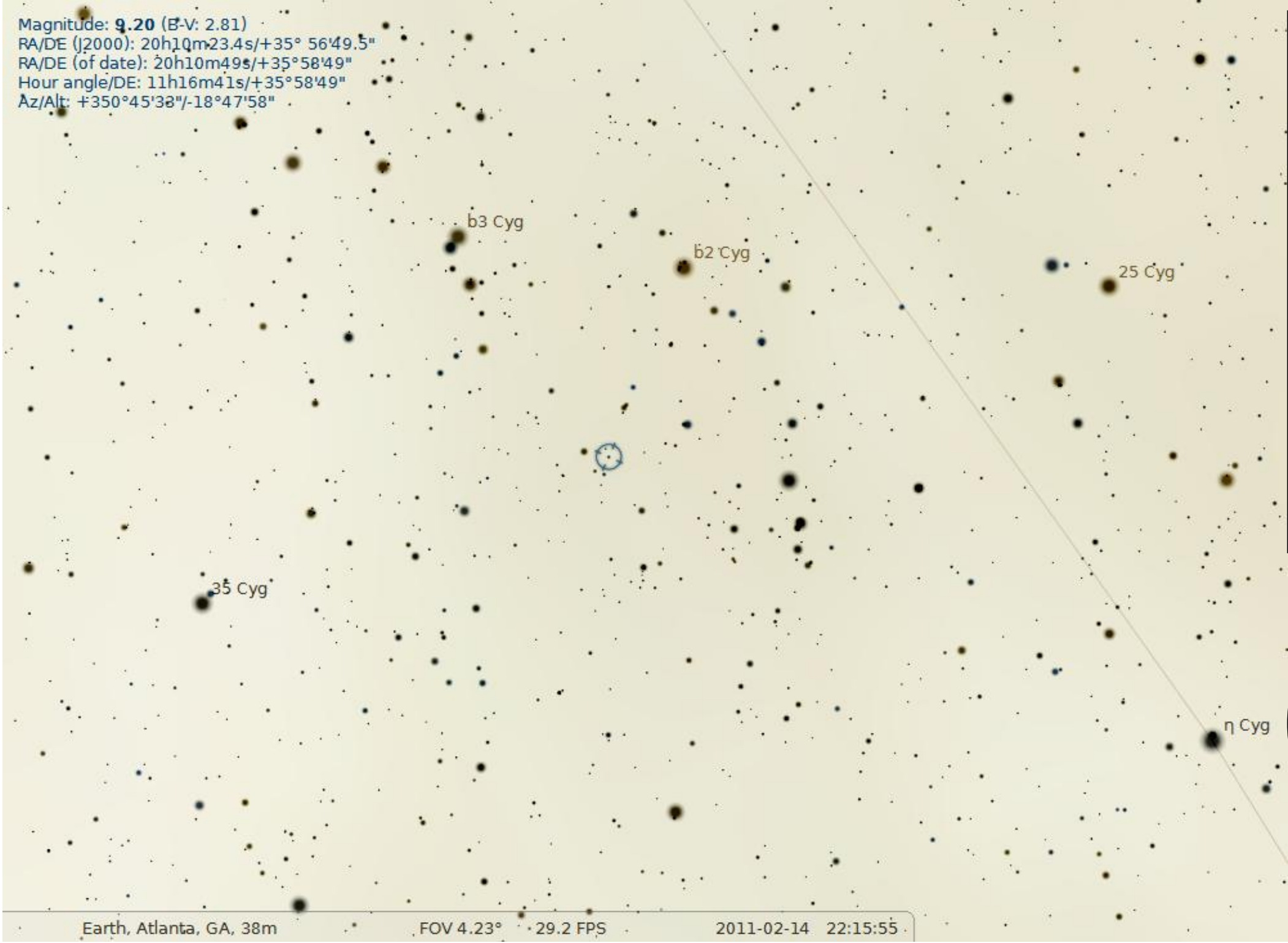


Object: SV Cygni

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

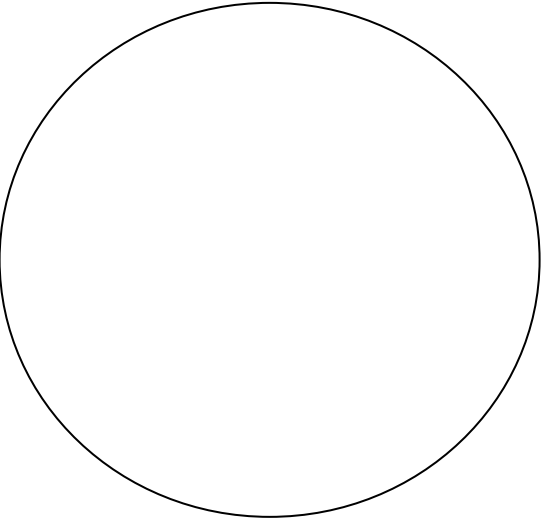


Magnitude: **9.20** (B-V: 2.81)
RA/DE (J2000): 20h10m23.4s/+35° 56'49.5"
RA/DE (of date): 20h10m49s/+35°58'49"
Hour angle/DE: 11h16m41s/+35°58'49"
Az/Alt: +350°45'38"/-18°47'58"



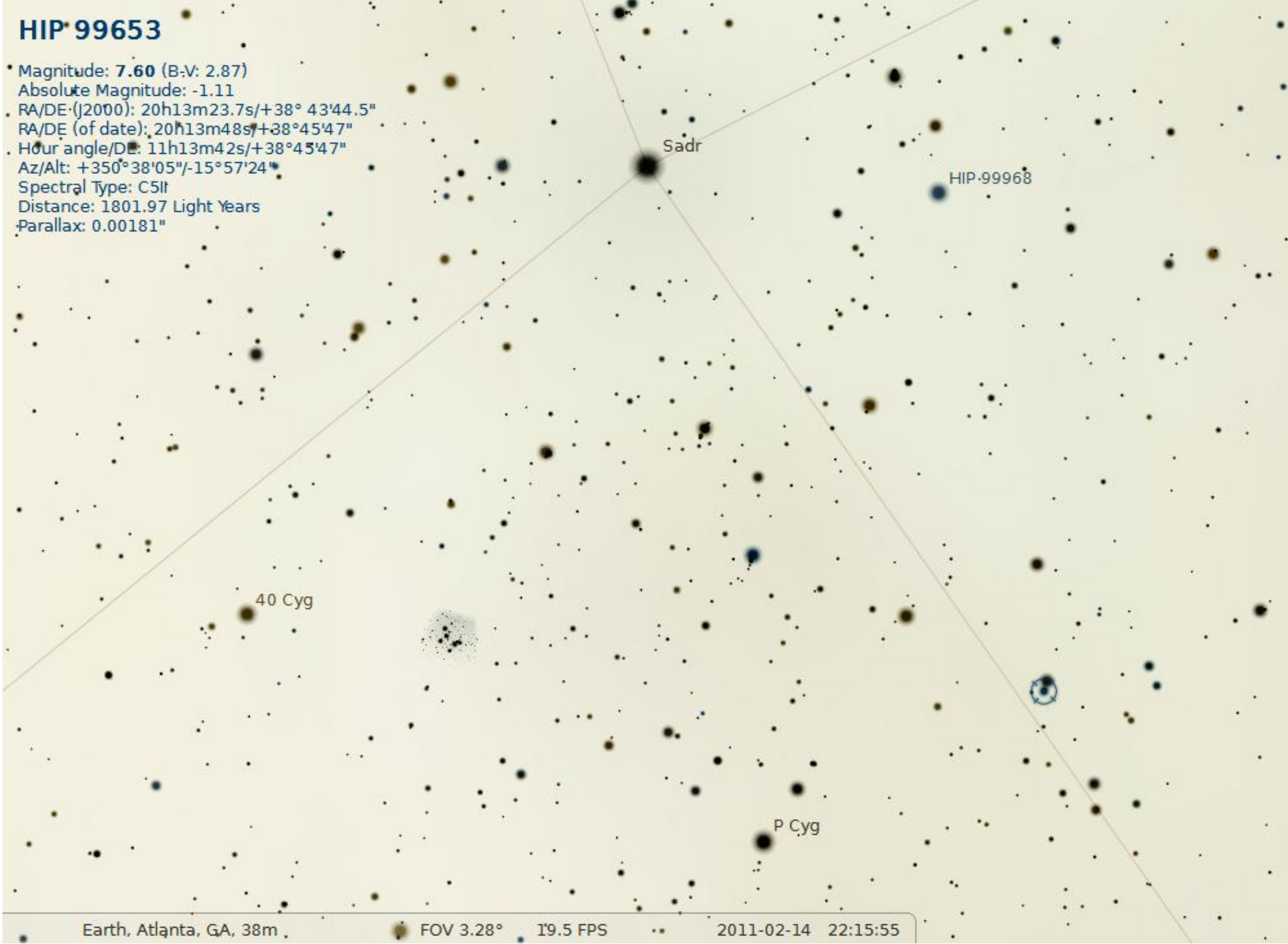
Object: RY Cygni

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



HIP 99653

Magnitude: 7.60 (B-V: 2.87)
Absolute Magnitude: -1.11
RA/DE (J2000): 20h13m23.7s/+38° 43'44.5"
RA/DE (of date): 20h13m48s/+38°45'47"
Hour angle/DE: 11h13m42s/+38°45'47"
Az/Alt: +350°38'05"/-15°57'24"
Spectral Type: C5II
Distance: 1801.97 Light Years
Parallax: 0.00181"



Object: RS Cygni

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

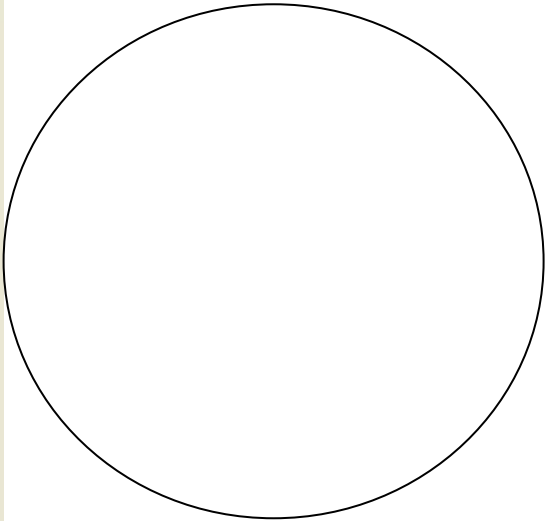
Magnification:

Transparency:

Seeing:

Light Pollution:

Description:

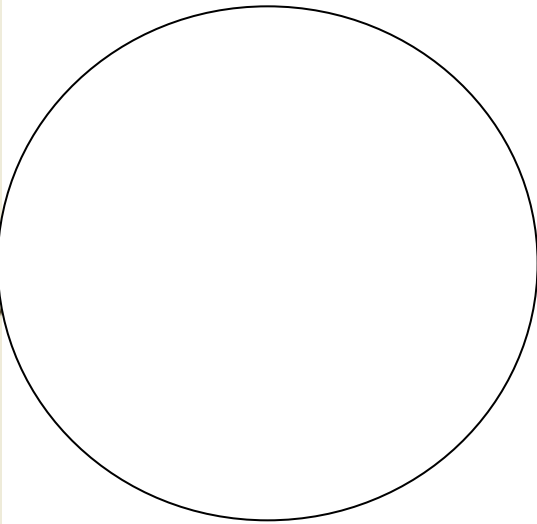
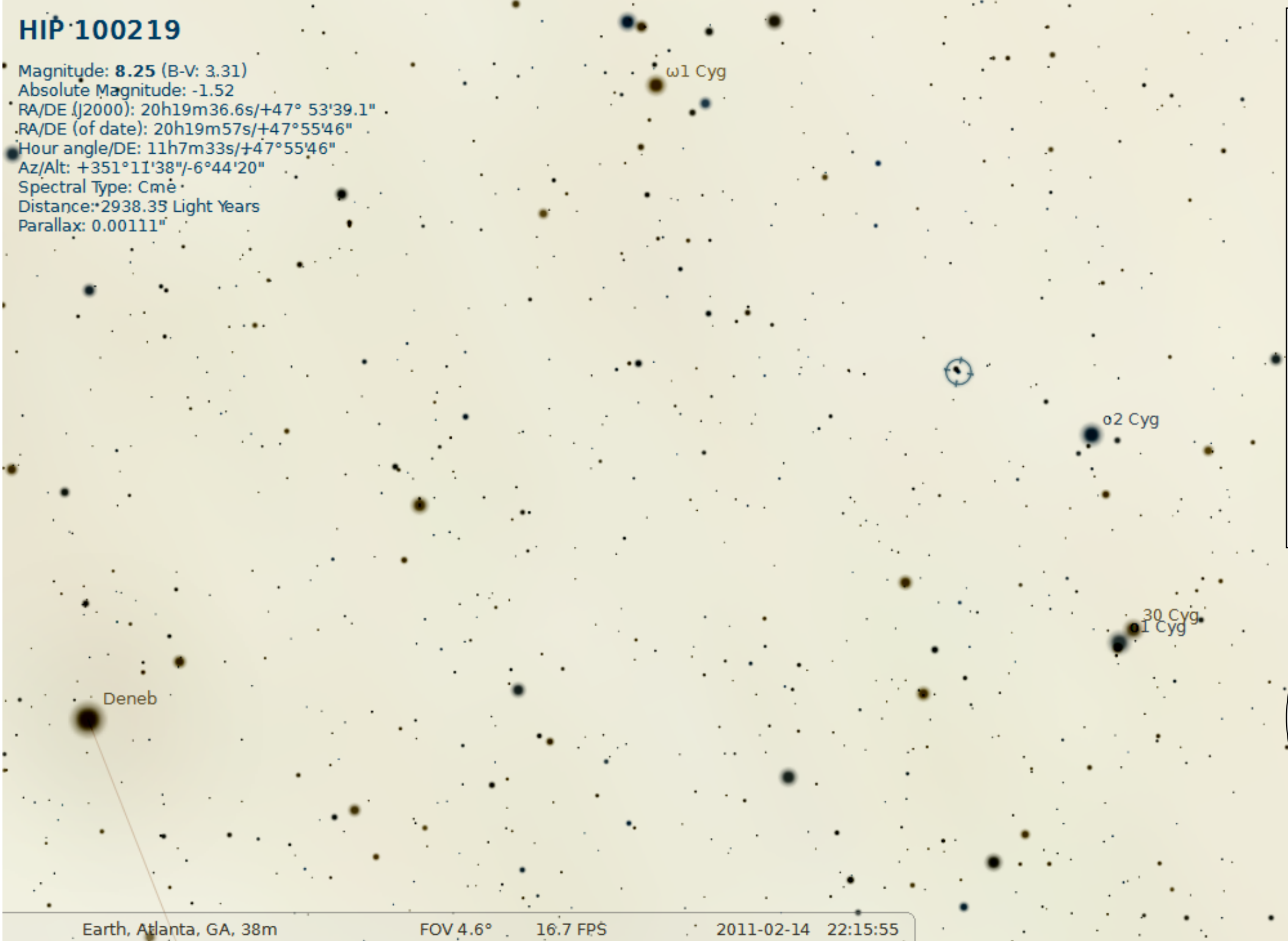


HIP 100219

Magnitude: 8.25 (B-V: 3.31)
Absolute Magnitude: -1.52
RA/DE (J2000): 20h19m36.6s/+47° 53'39.1"
RA/DE (of date): 20h19m57s/+47°55'46"
Hour angle/DE: 11h7m33s/+47°55'46"
Az/Alt: +351°11'38"/-6°44'20"
Spectral Type: Cme
Distance: 2938.35 Light Years
Parallax: 0.00111"

Object: U Cygni

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



HIP 102082

Magnitude: 9.10 (B-V: 2.46)
Absolute Magnitude: 1.94
RA/DE (J2000): 20h41m18.3s/+48° 8'28.9"
RA/DE (qf-date): 20h41m40s/+48°10'53"
Hour angle/DE: 10h45m50s/+48°10'53"
Az/Alt: +347°41'51"/-5°40'25"
Spectral Type: C7.4e
Distance: 883.89 Light Years
Parallax: 0.00369"

HIP 102635



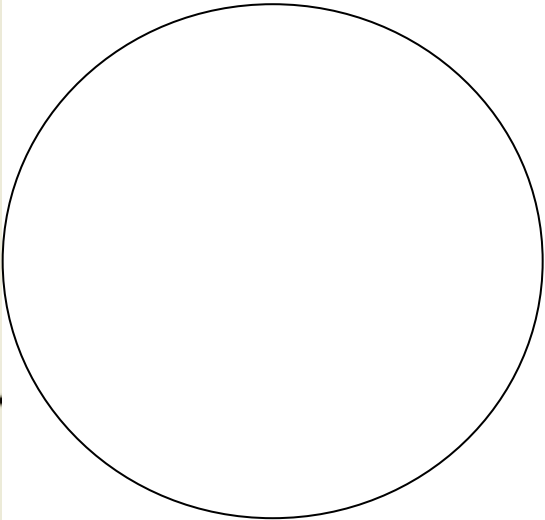
55 Cyg

HIP 103094

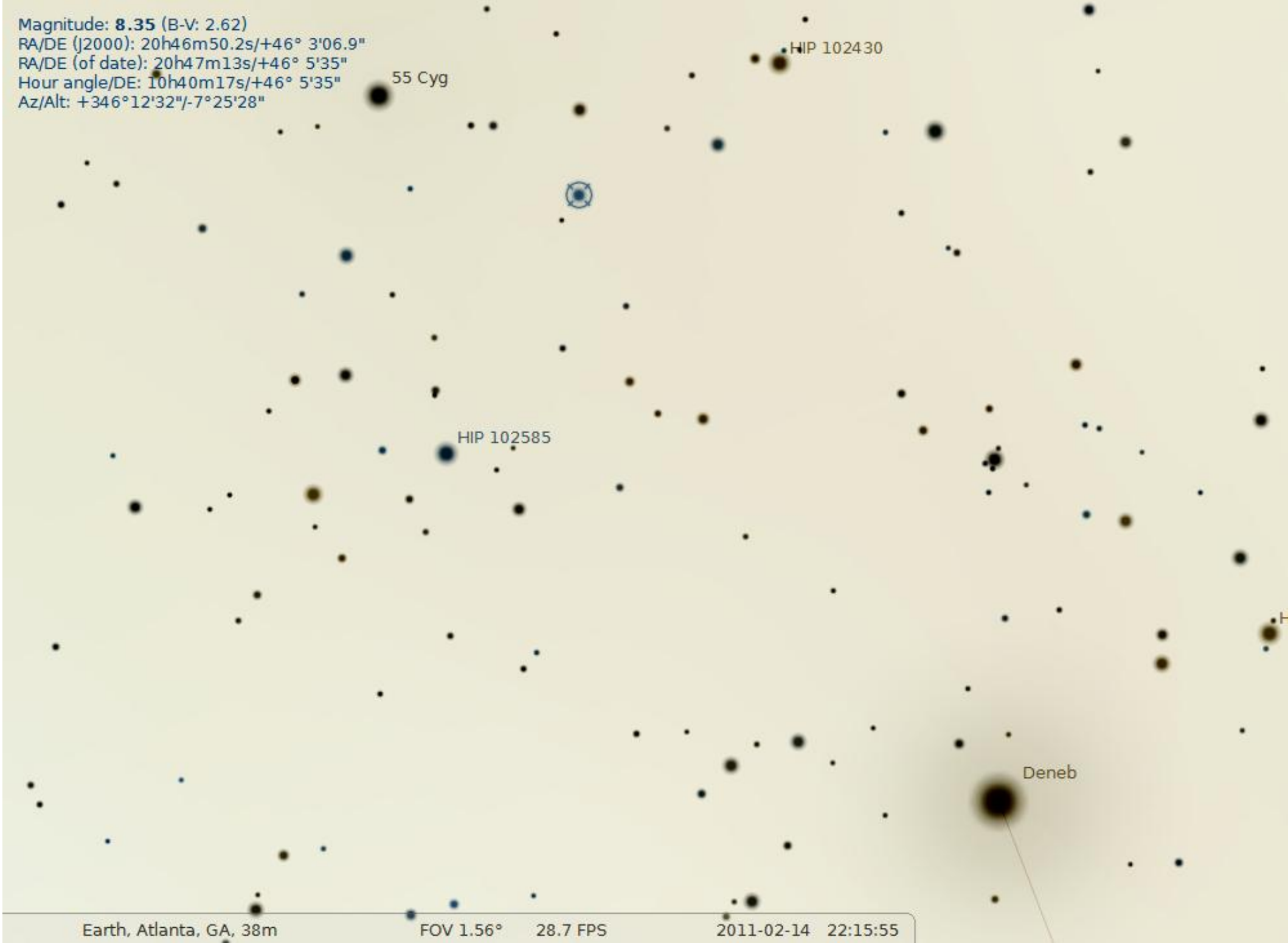
Deneb

Object: V Cygni

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



Magnitude: 8.35 (B-V: 2.62)
RA/DE (J2000): 20h46m50.2s/+46° 3'06.9"
RA/DE (of date): 20h47m13s/+46° 5'35"
Hour angle/DE: 10h40m17s/+46° 5'35"
Az/Alt: +346°12'32"/-7°25'28"



Object: CY Cygni

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

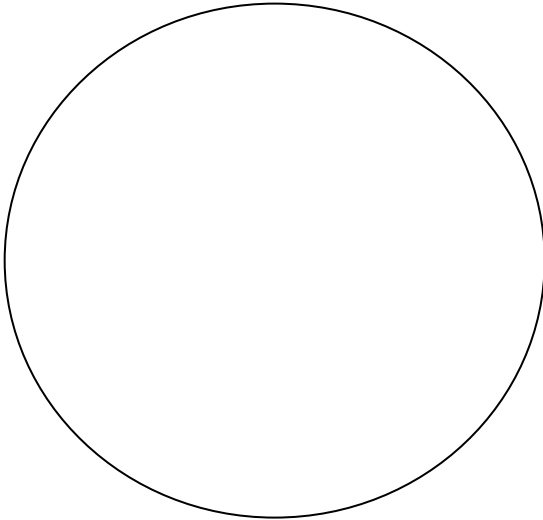
Magnification:

Transparency:

Seeing:

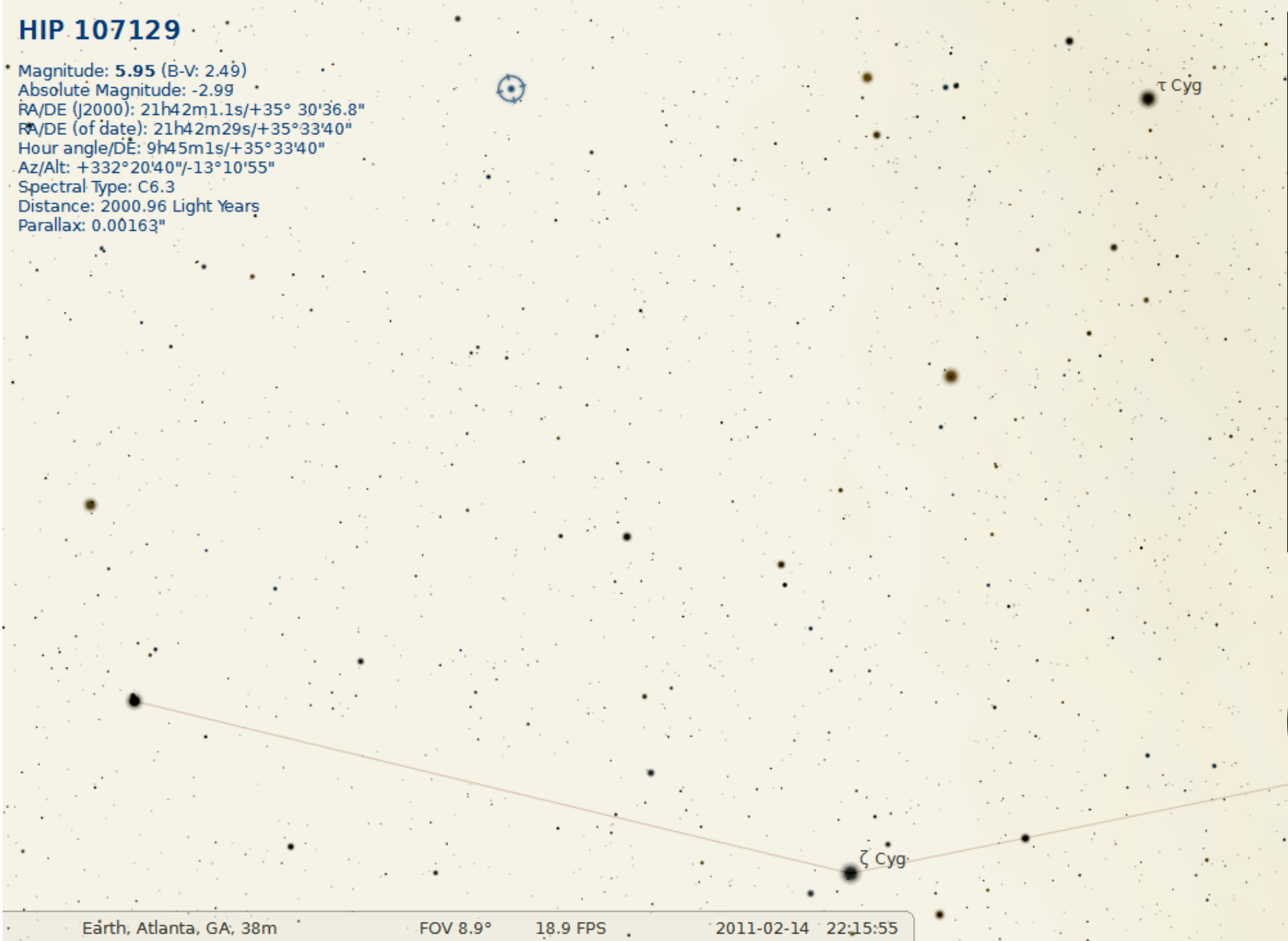
Light Pollution:

Description:



HIP 107129

Magnitude: 5.95 (B-V: 2.49)
Absolute Magnitude: -2.99
RA/DE (J2000): 21h42m1.1s/+35° 30'36.8"
RA/DE (of date): 21h42m29s/+35°33'40"
Hour angle/DE: 9h45m1s/+35°33'40"
Az/Alt: +332°20'40"/-13°10'55"
Spectral Type: C6.3
Distance: 2000.96 Light Years
Parallax: 0.00163"



Object: V460 Cygni

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

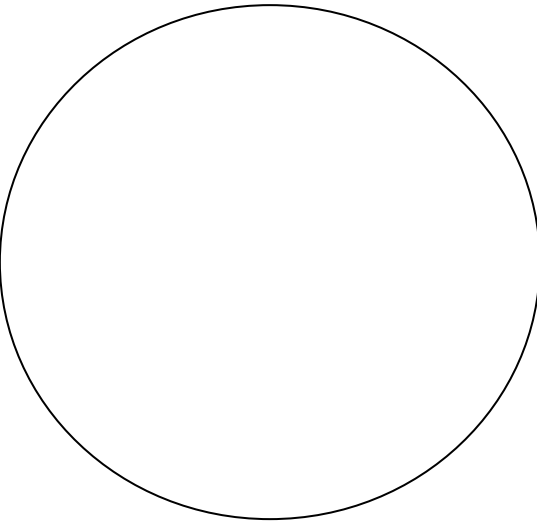
Magnification:

Transparency:

Seeing:

Light Pollution:

Description:



HIP 107242 A

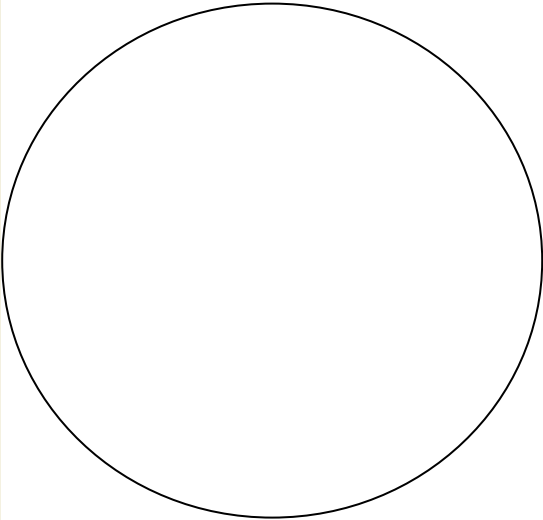
Magnitude: 8.25 (B-V: 3.41)
Absolute Magnitude: -3.69
RA/DE (J2000): 21h43m16.3s/+38° 1'02.9"
RA/DE (of date): 21h43m44s/+38° 4'07"
Hour angle/DE: 9h43m46s/+38° 4'07"
Az/Alt: +333°19'28"/-10°51'06"
Spectral Type: C6II
Distance: 7955.03 Light Years
Parallax: 0.00041"

1 Lac

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Object: RV Cygni

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

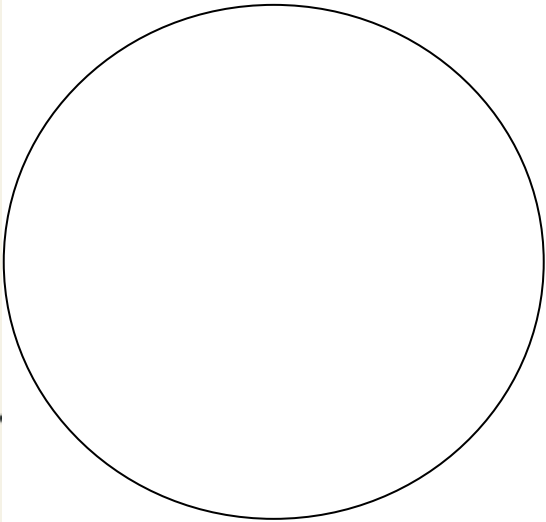
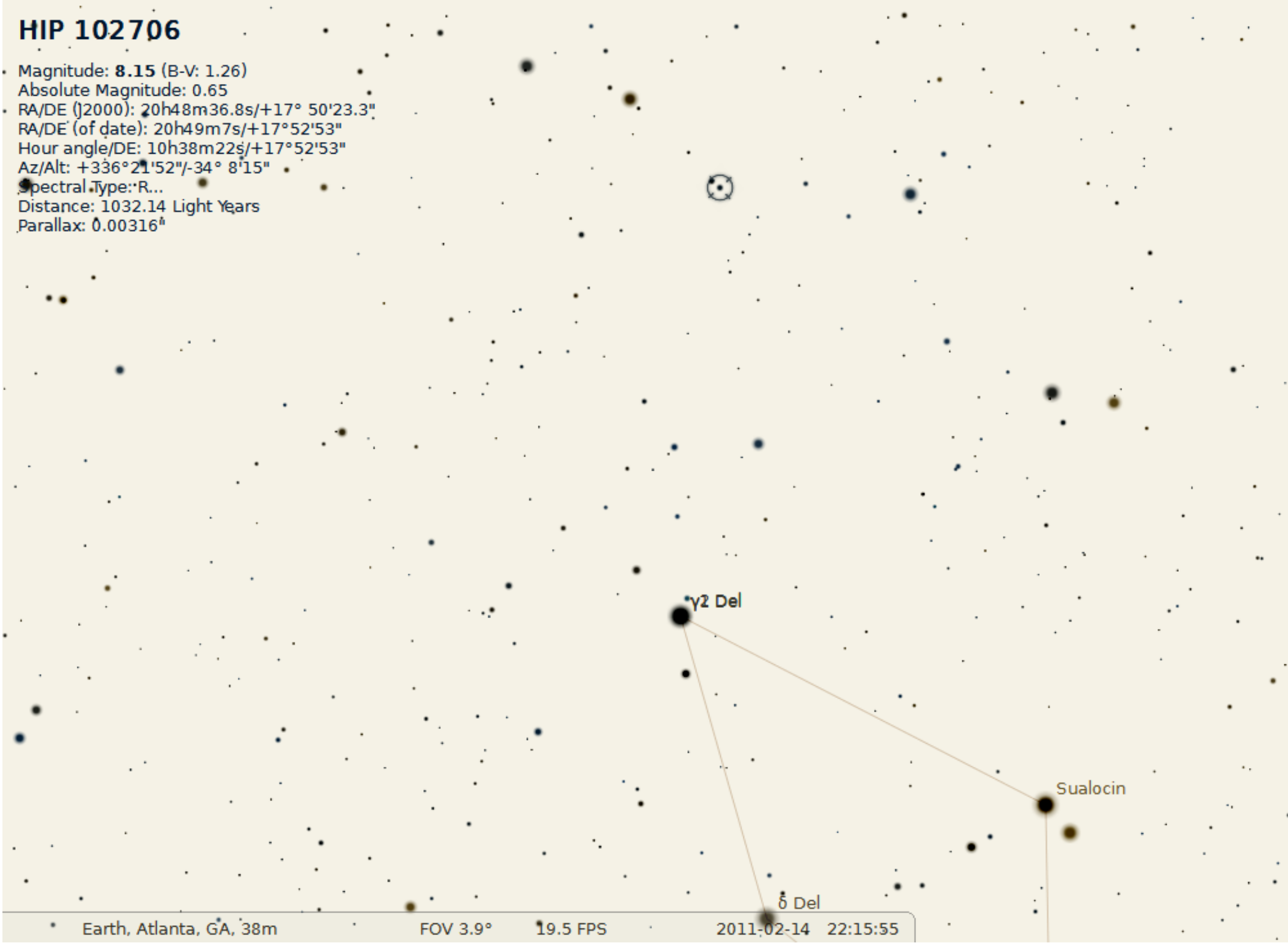


HIP 102706

Magnitude: 8.15 (B-V: 1.26)
Absolute Magnitude: 0.65
RA/DE (J2000): 20h48m36.8s/+17° 50'23.3"
RA/DE (of date): 20h49m7s/+17°52'53"
Hour angle/DE: 10h38m22s/+17°52'53"
Az/Alt: +336°21'52"/-34° 8'15"
Spectral Type: R...
Distance: 1032.14 Light Years
Parallax: 0.00316"

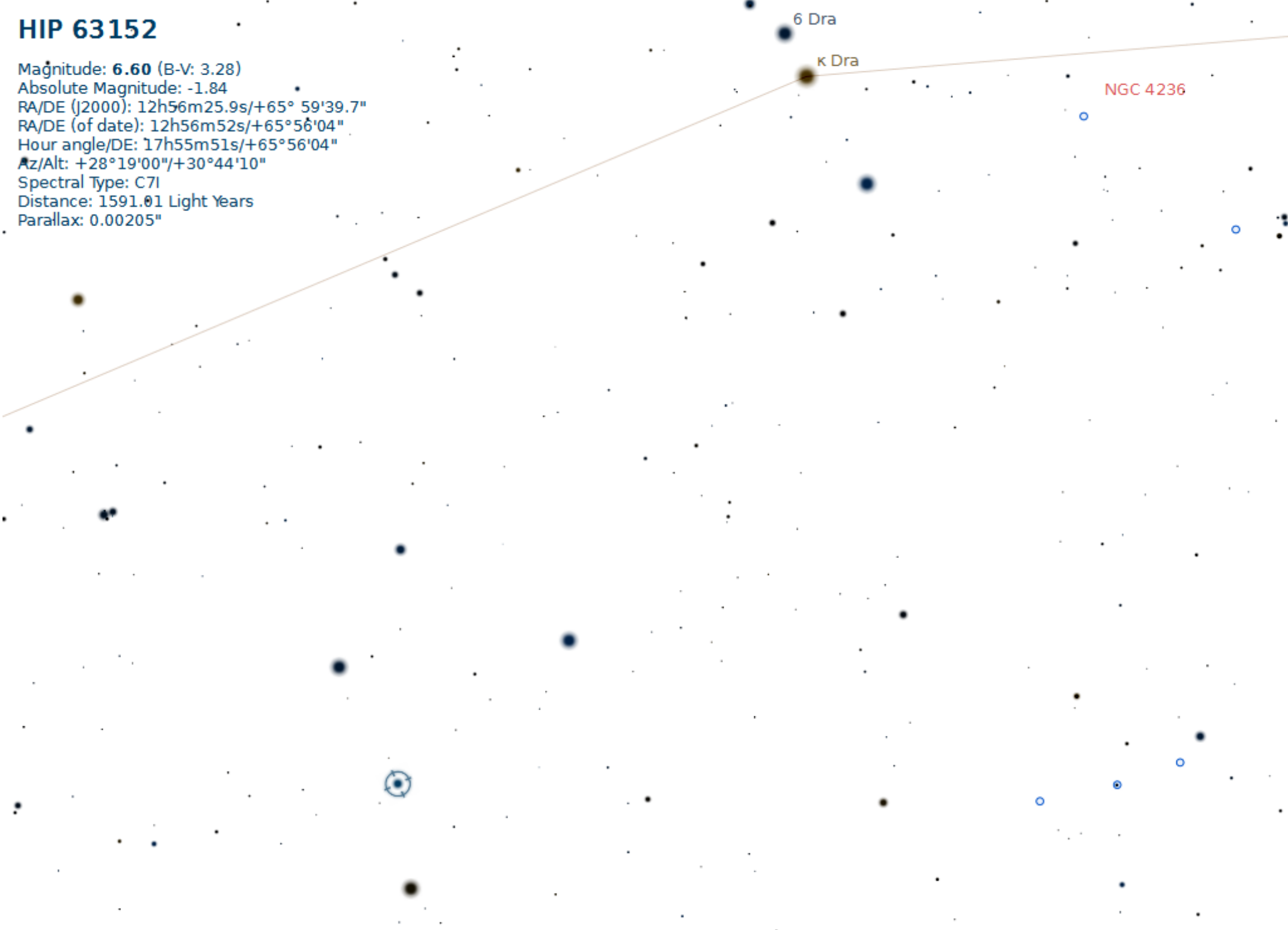
Object: SAO 106516 Delphinus

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



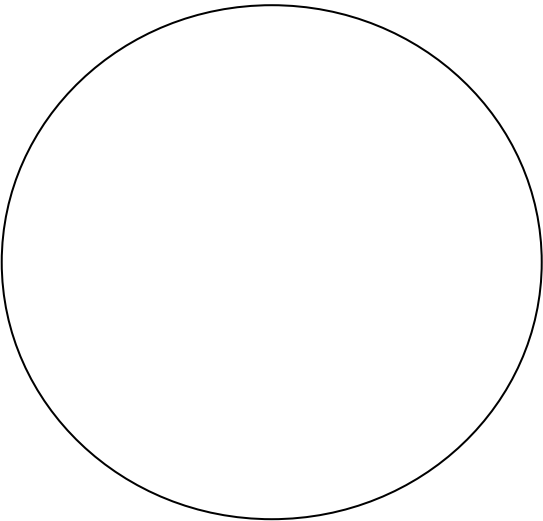
HIP 63152

Magnitude: **6.60** (B-V: 3.28)
Absolute Magnitude: -1.84
RA/DE (J2000): 12h56m25.9s/+65° 59'39.7"
RA/DE (of date): 12h56m52s/+65°56'04"
Hour angle/DE: 17h55m51s/+65°56'04"
Az/Alt: +28°19'00"/+30°44'10"
Spectral Type: C7I
Distance: 1591.01 Light Years
Parallax: 0.00205"



Object: RY Draconis

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

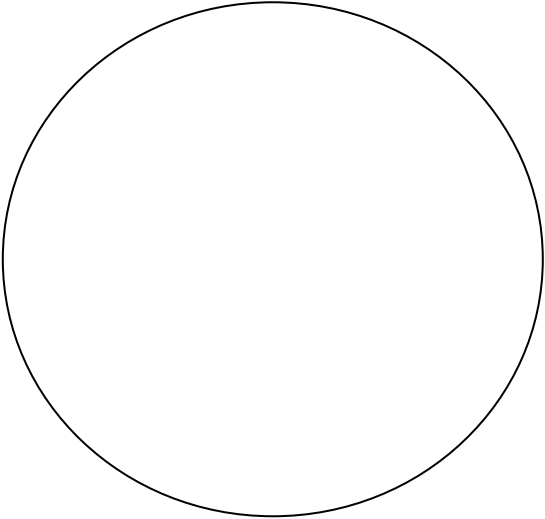
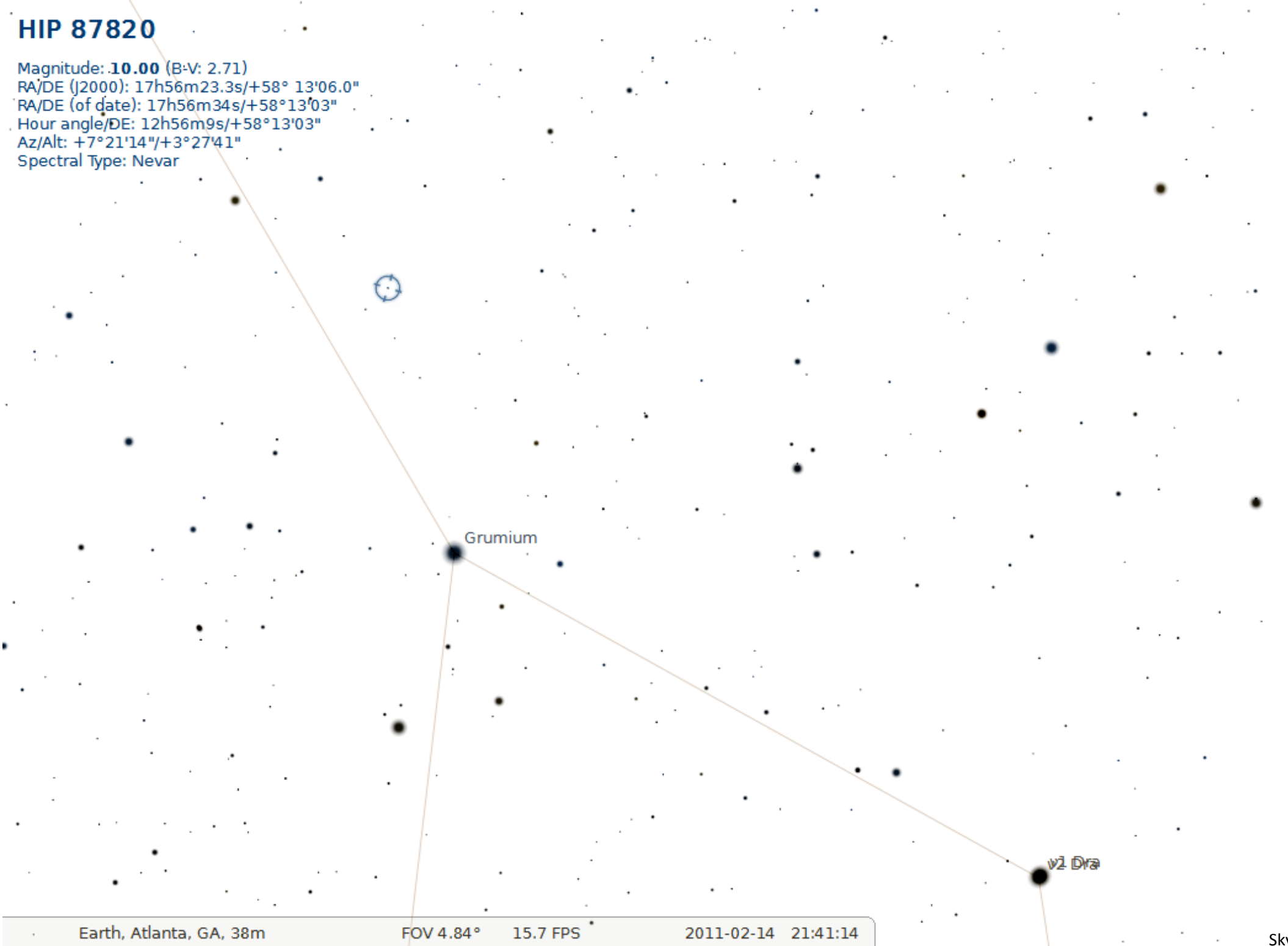


HIP 87820

Magnitude: **10.00** (B-V: 2.71)
RA/DE (J2000): 17h56m23.3s/+58° 13'06.0"
RA/DE (of date): 17h56m34s/+58°13'03"
Hour angle/DE: 12h56m9s/+58°13'03"
Az/Alt: +7°21'14"/+3°27'41"
Spectral Type: Nevar

Object: T Draconis

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

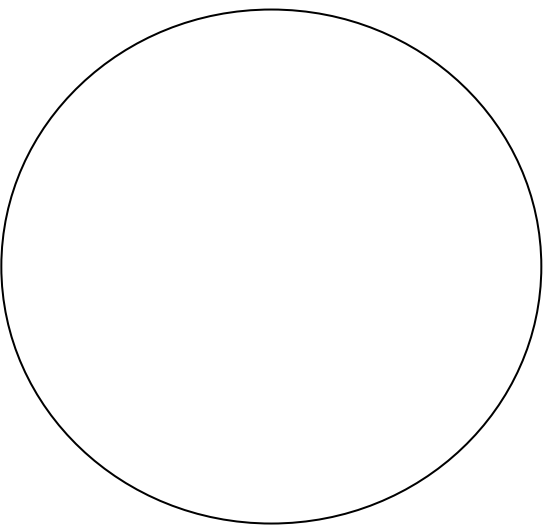


HIP 95154

Magnitude: 6.20 (B-V: 2.68)
Absolute Magnitude: -2.58
RA/DE (J2000): 19h21m35.5s/+76° 33'34.6"
RA/DE (of date): 19h21m11s/+76°34'52"
Hour angle/DE: 12h6m18s/+76°34'52"
Az/Alt: +0°23'32"/+21° 5'08"
Spectral Type: C5II
Distance: 1863.75 Light Years
Parallax: 0.00175"

Object: UX Draconis

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

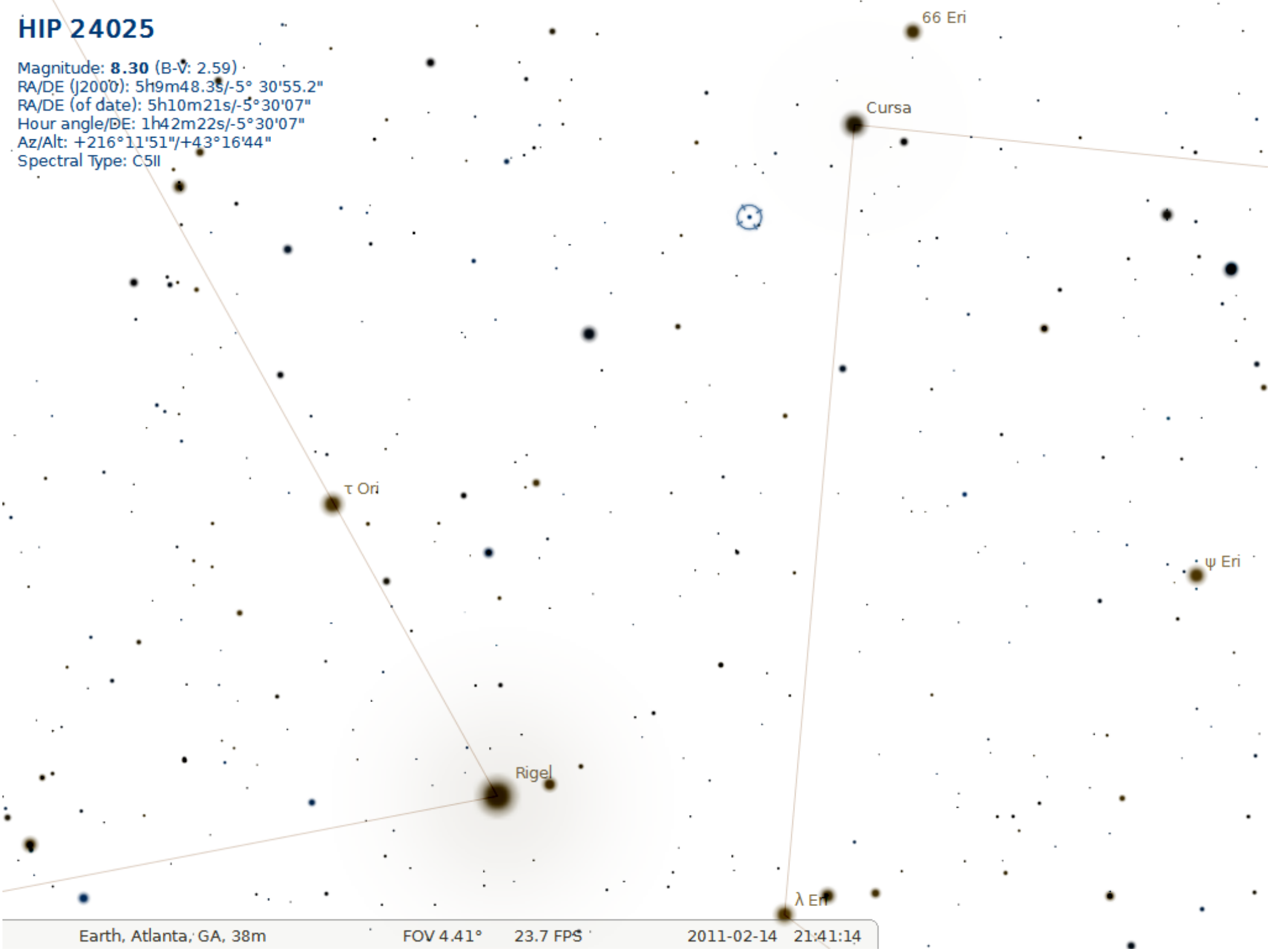


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HIP 24025

Magnitude: **8.30** (B-V: 2.59)
RA/DE (J2000): 5h9m48.3s/-5° 30'55.2"
RA/DE (of date): 5h10m21s/-5°30'07"
Hour angle/DE: 1h42m22s/-5°30'07"
Az/Alt: +216°11'51"/+43°16'44"
Spectral Type: C5II



Object: SY Eridani

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

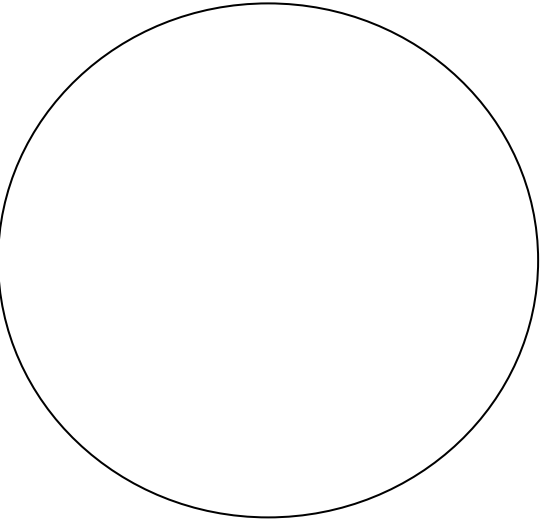
Magnification:

Transparency:

Seeing:

Light Pollution:

Description:



Magnitude: 7.30 (B-V: 3.34)
RA/DE (J2000): 6h10m53.1s/+26° 0'53.2"
RA/DE (of date): 6h11m35s/+26° 0'42"
Hour angle/DE: 0h41m8s/+26° 0'42"
Az/Alt: +229° 0'38"/+77°43'38"

Object: TU Geminorum

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

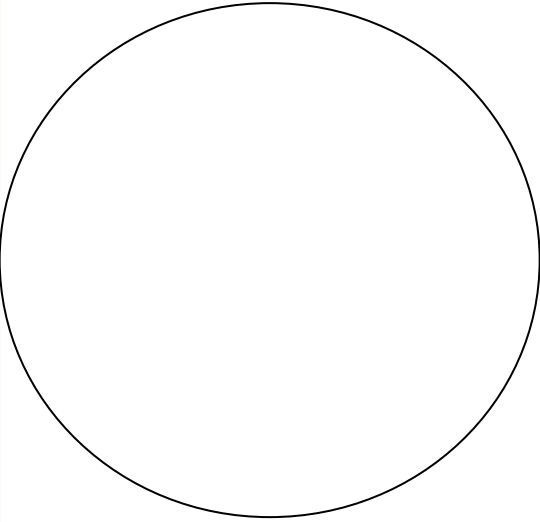
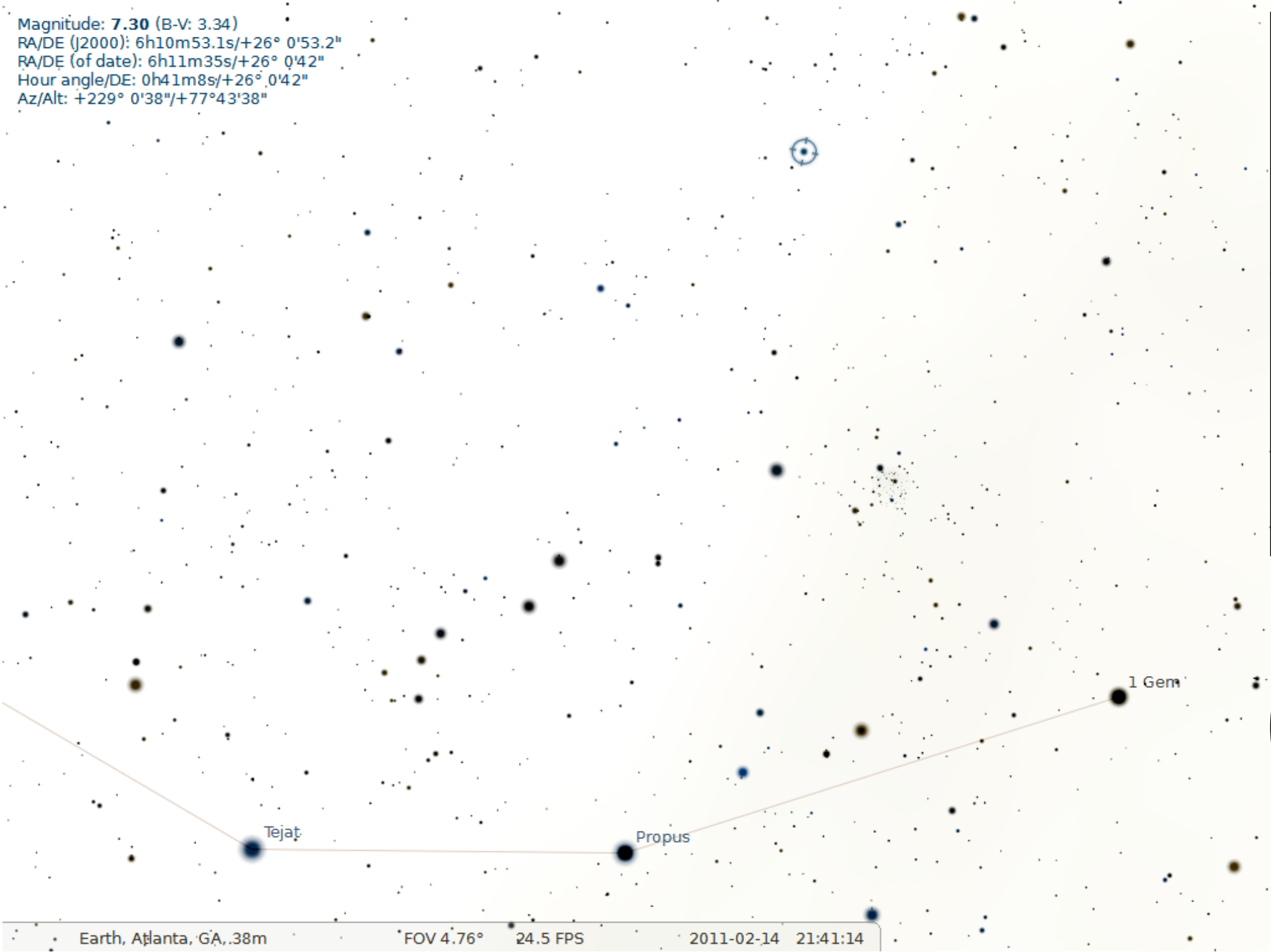
Magnification:

Transparency:

Seeing:

Light Pollution:

Description:



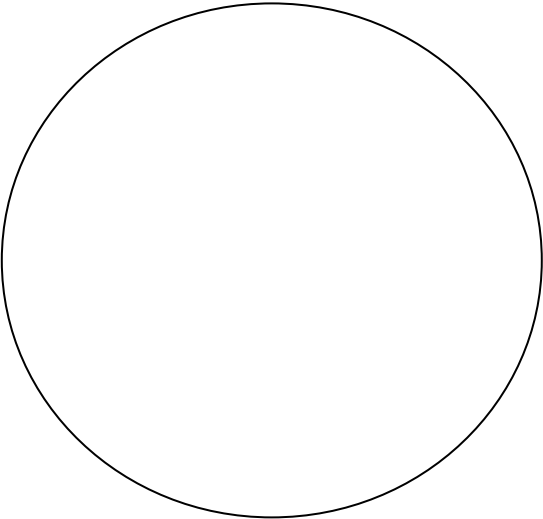
HIP 32083

Magnitude: **8.20** (B-V: 2.43)
Absolute Magnitude: -1.53
RA/DE (J2000): 6h42m8.6s/+31° 27'17.5"
RA/DE (of date): 6h42m52s/+31°26'36"
Hour angle/DE: 0h9m51s/+31°26'36"
Az/Alt: +214°44'18"/+86°18'39"
Spectral Type: C5II
Distance: 2886.34 Light Years
Parallax: 0.00113"

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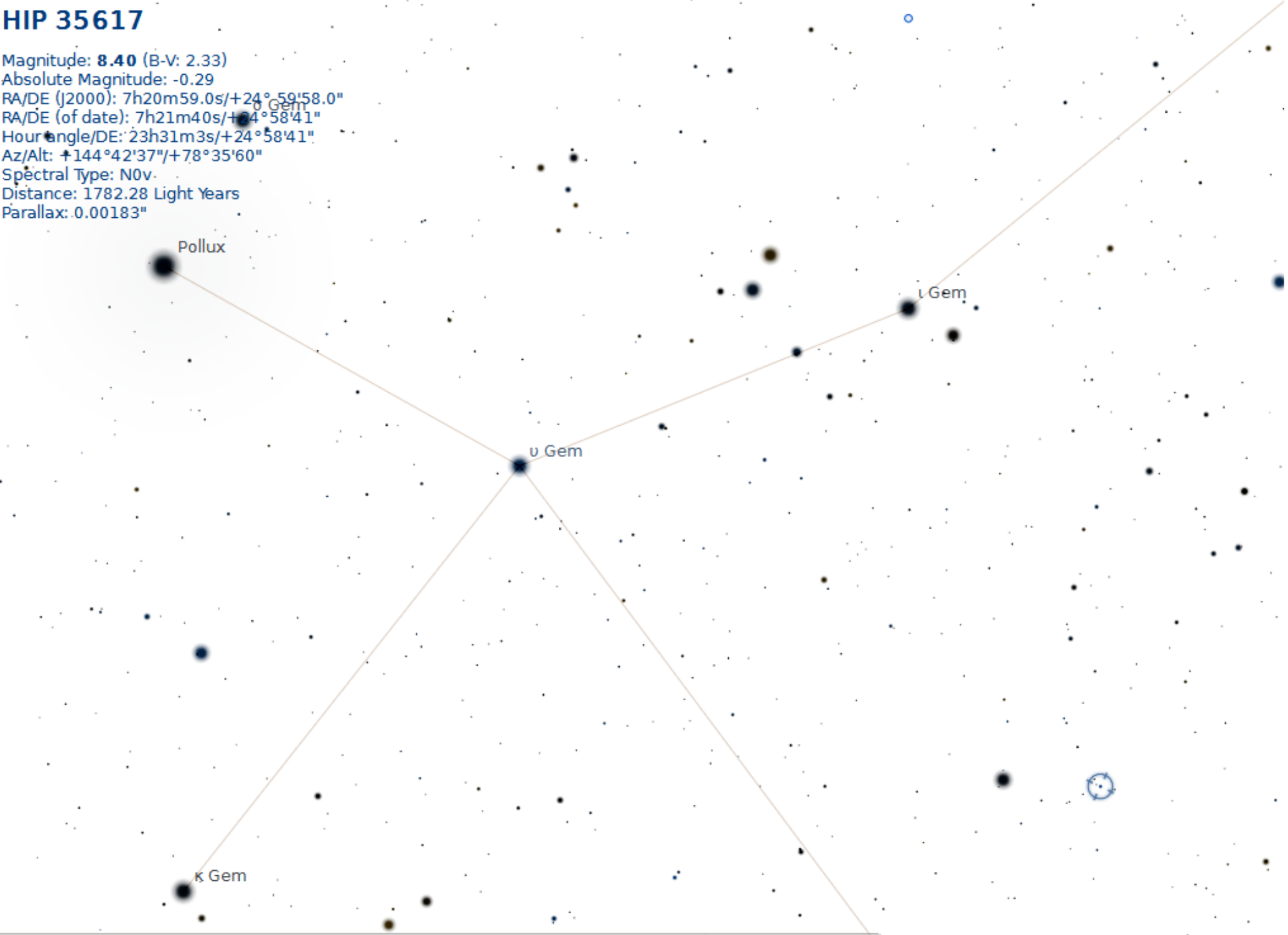
Object: VW Geminorum

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



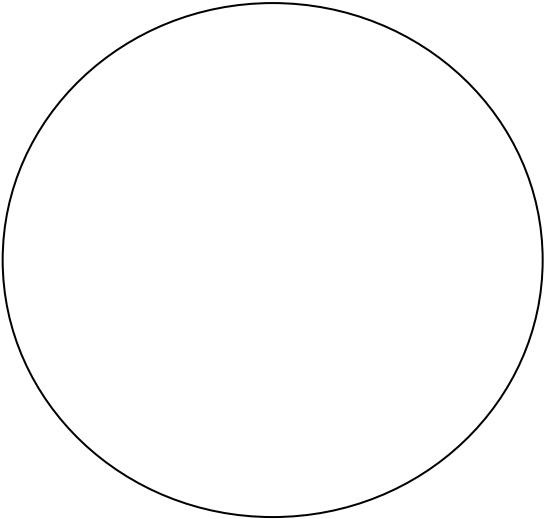
HIP 35617

Magnitude: **8.40** (B-V: 2.33)
Absolute Magnitude: -0.29
RA/DE (J2000): 7h20m59.0s/+24° 59'58.0"
RA/DE (of date): 7h21m40s/+24° 58'41"
Hour angle/DE: 23h31m3s/+24° 58'41"
Az/Alt: +144°42'37"/+78°35'60"
Spectral Type: N0v
Distance: 1782.28 Light Years
Parallax: 0.00183"



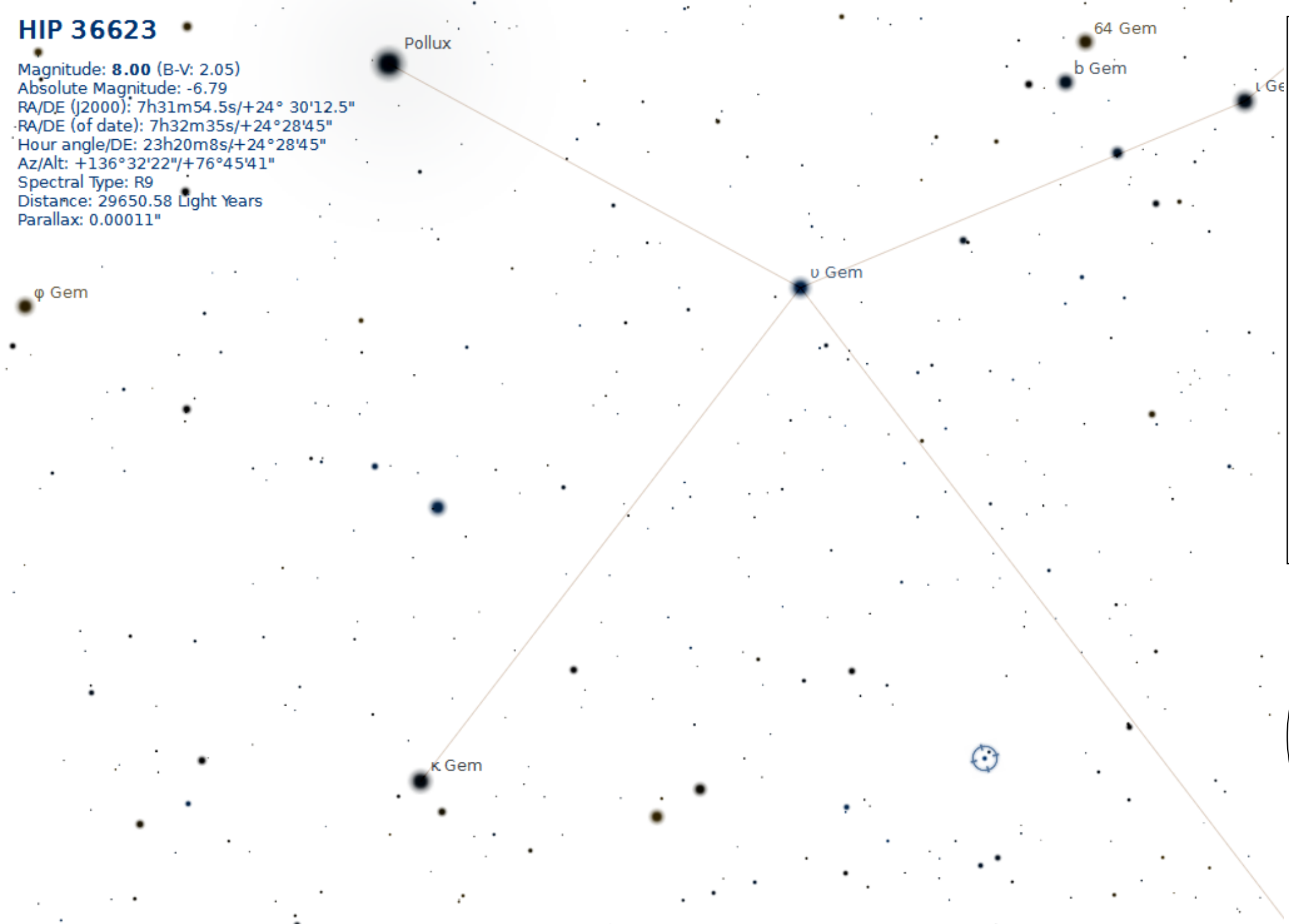
Object: BM Geminorum

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



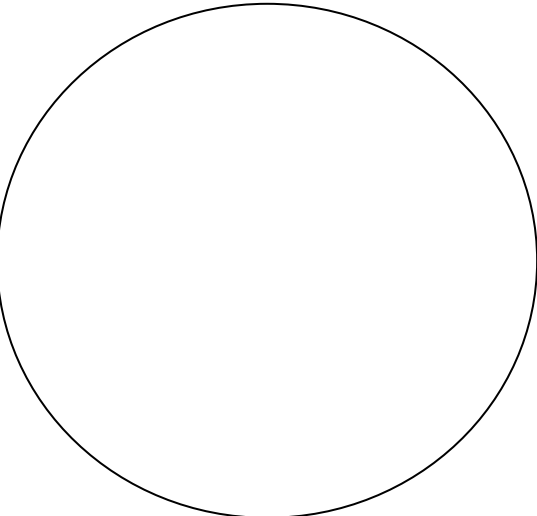
HIP 36623

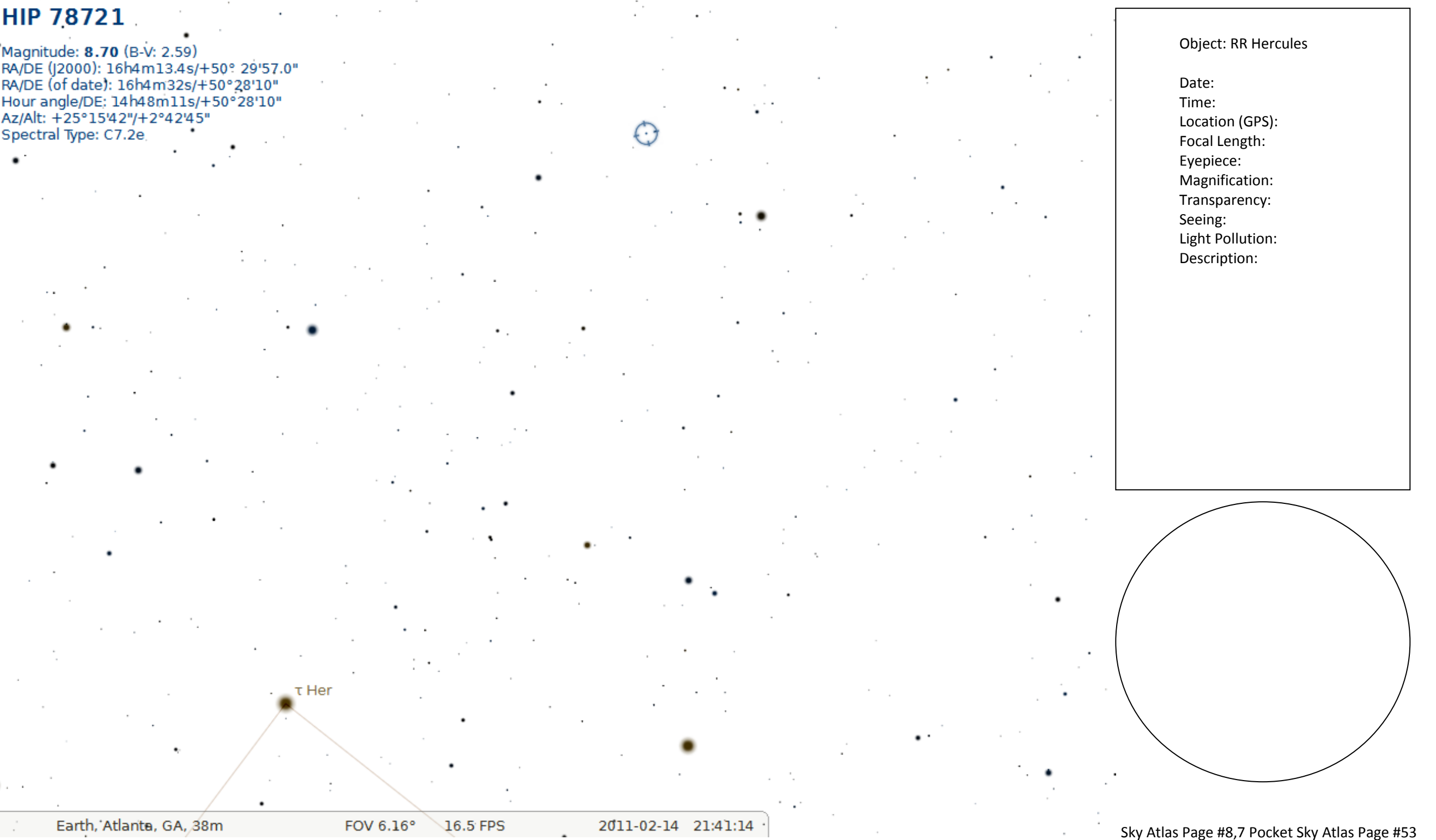
Magnitude: **8.00** (B-V: 2.05)
Absolute Magnitude: -6.79
RA/DE (J2000): 7h31m54.5s/+24° 30'12.5"
RA/DE (of date): 7h32m35s/+24°28'45"
Hour angle/DE: 23h20m8s/+24°28'45"
Az/Alt: +136°32'22"/+76°45'41"
Spectral Type: R9
Distance: 29650.58 Light Years
Parallax: 0.00011"



Object: NQ Geminorum

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

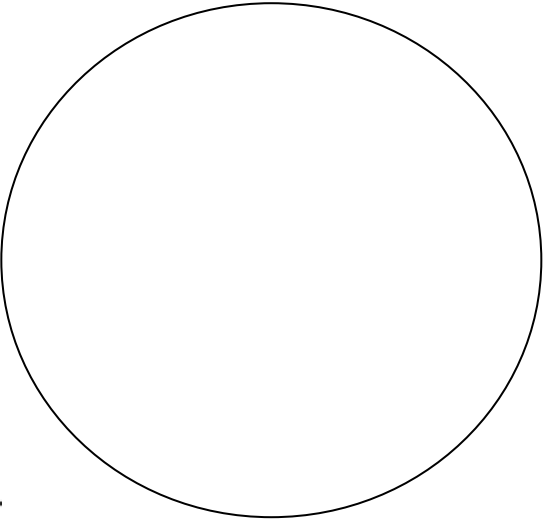




HIP 78721
Magnitude: **8.70** (B-V: 2.59)
RA/DE (J2000): 16h4m13.4s/+50° 29'57.0"
RA/DE (of date): 16h4m32s/+50°28'10"
Hour angle/DE: 14h48m11s/+50°28'10"
Az/Alt: +25°15'42"/+2°42'45"
Spectral Type: C7.2e

Object: RR Hercules

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

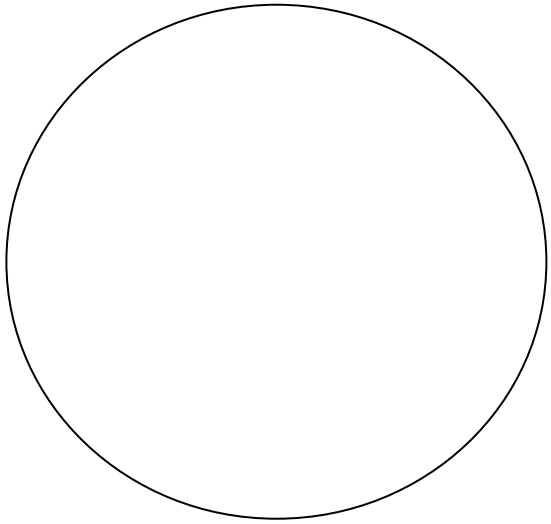
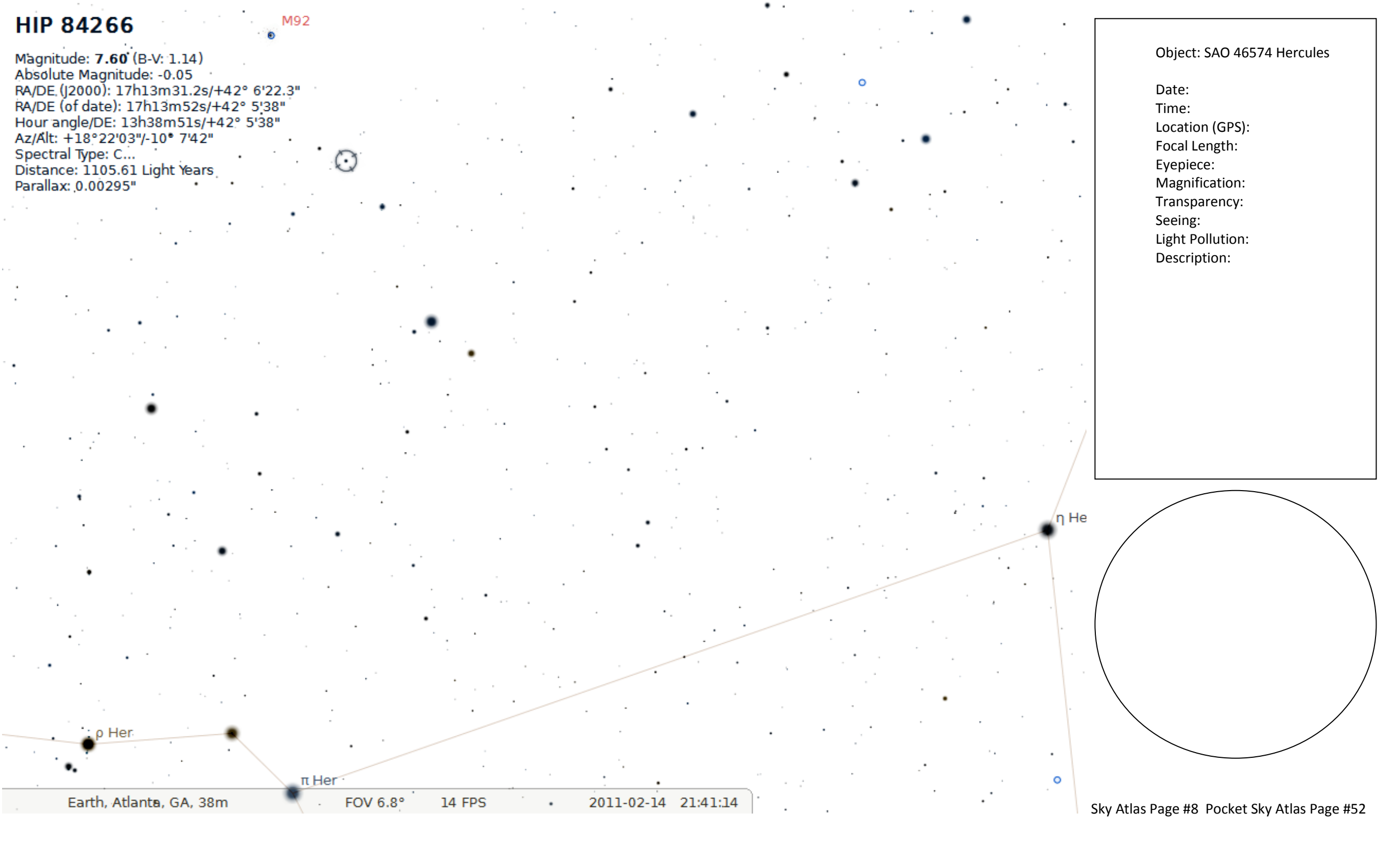


HIP 84266

Magnitude: **7.60** (B-V: 1.14)
Absolute Magnitude: -0.05
RA/DE (J2000): 17h13m31.2s/+42° 6'22.3"
RA/DE (of date): 17h13m52s/+42° 5'38"
Hour angle/DE: 13h38m51s/+42° 5'38"
Az/Alt: +18°22'03"/-10° 7'42"
Spectral Type: C...
Distance: 1105.61 Light Years
Parallax: 0.00295"

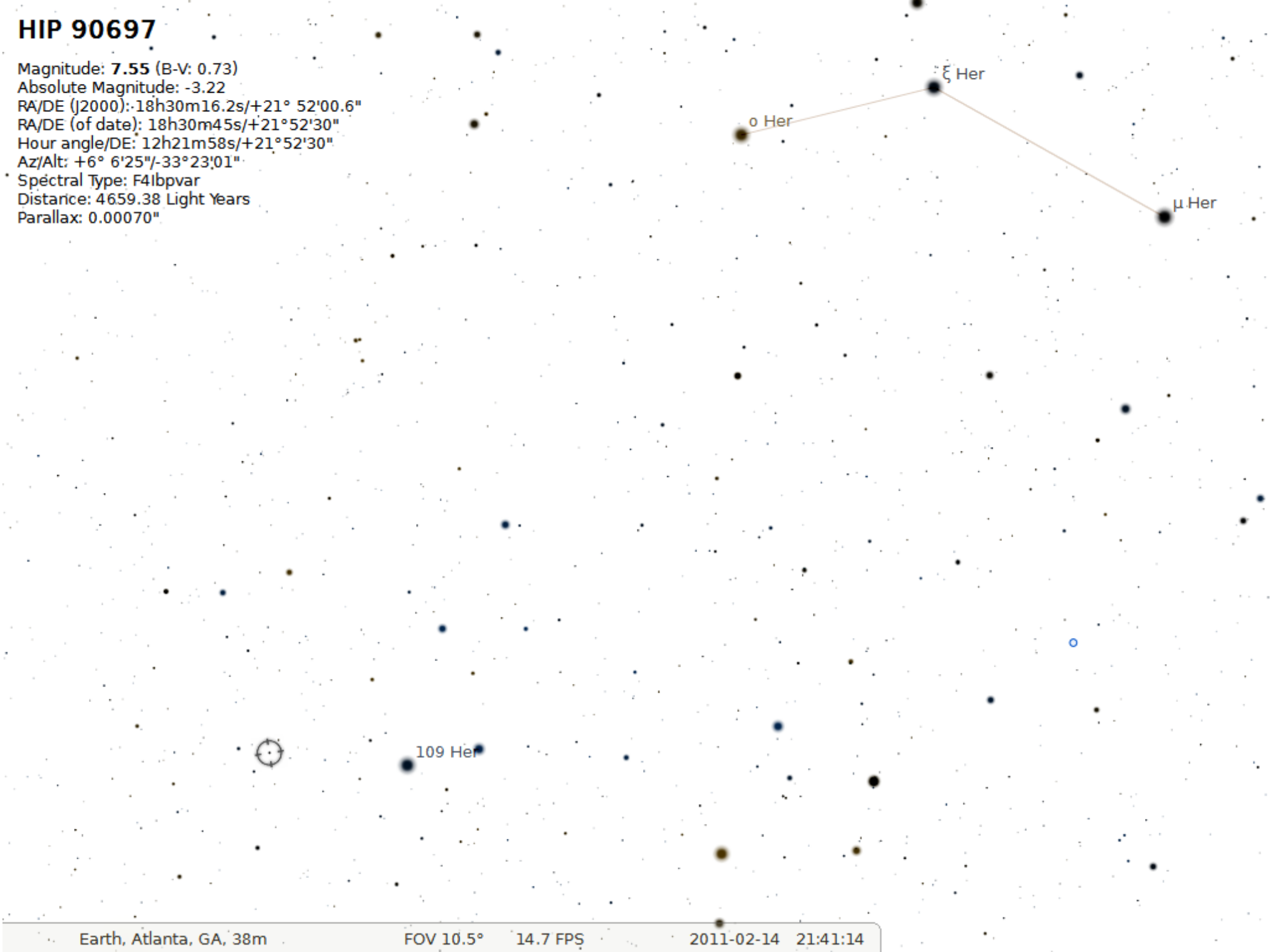
Object: SAO 46574 Hercules

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



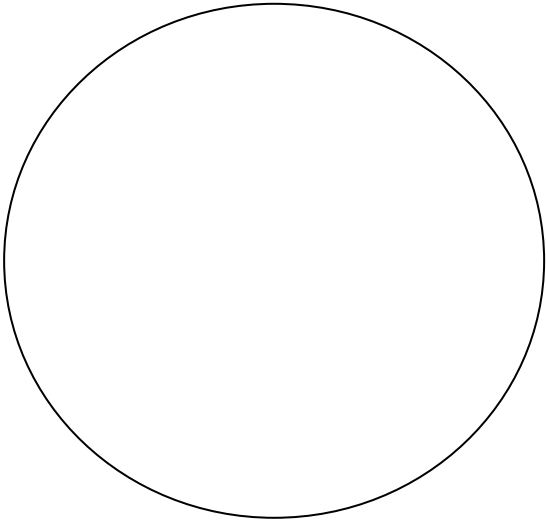
HIP 90697

Magnitude: 7.55 (B-V: 0.73)
Absolute Magnitude: -3.22
RA/DE (J2000): 18h30m16.2s/+21° 52'00.6"
RA/DE (of date): 18h30m45s/+21°52'30"
Hour angle/DE: 12h21m58s/+21°52'30"
Az/Alt: +6° 6'25"/-33°23'01"
Spectral Type: F4Ibpvar
Distance: 4659.38 Light Years
Parallax: 0.00070"



Object: AC Hercules

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



HIP 48327
Magnitude: **6.85** (B-V: 3.44)
Absolute Magnitude: -0.86
RA/DE (J2000): 9h51m3.7s/-23° 1'02.4"
RA/DE (δf date): 9h51m35s/-23° 4'11"
Hour angle/DE: 21h1m8s/-23° 4'11"
Az/Alt: +136°57'42"/+18°28'21"
Spectral Type: C
Distance: 1136.43 Light Years
Parallax: 0.00287"

Ghost of Jupiter

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Object: Y Hydrae

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

Magnification:

Transparency:

Seeing:

Light Pollution:

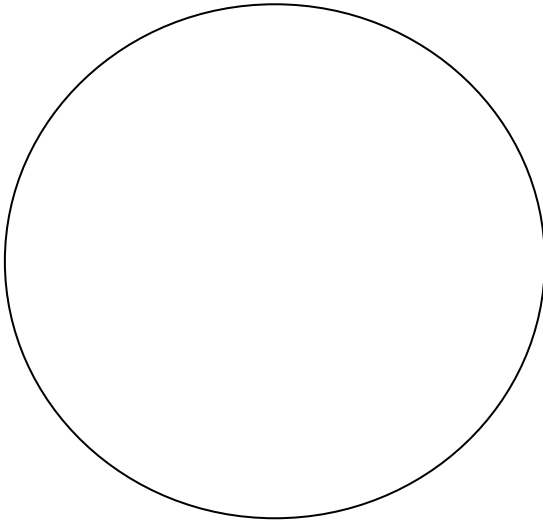
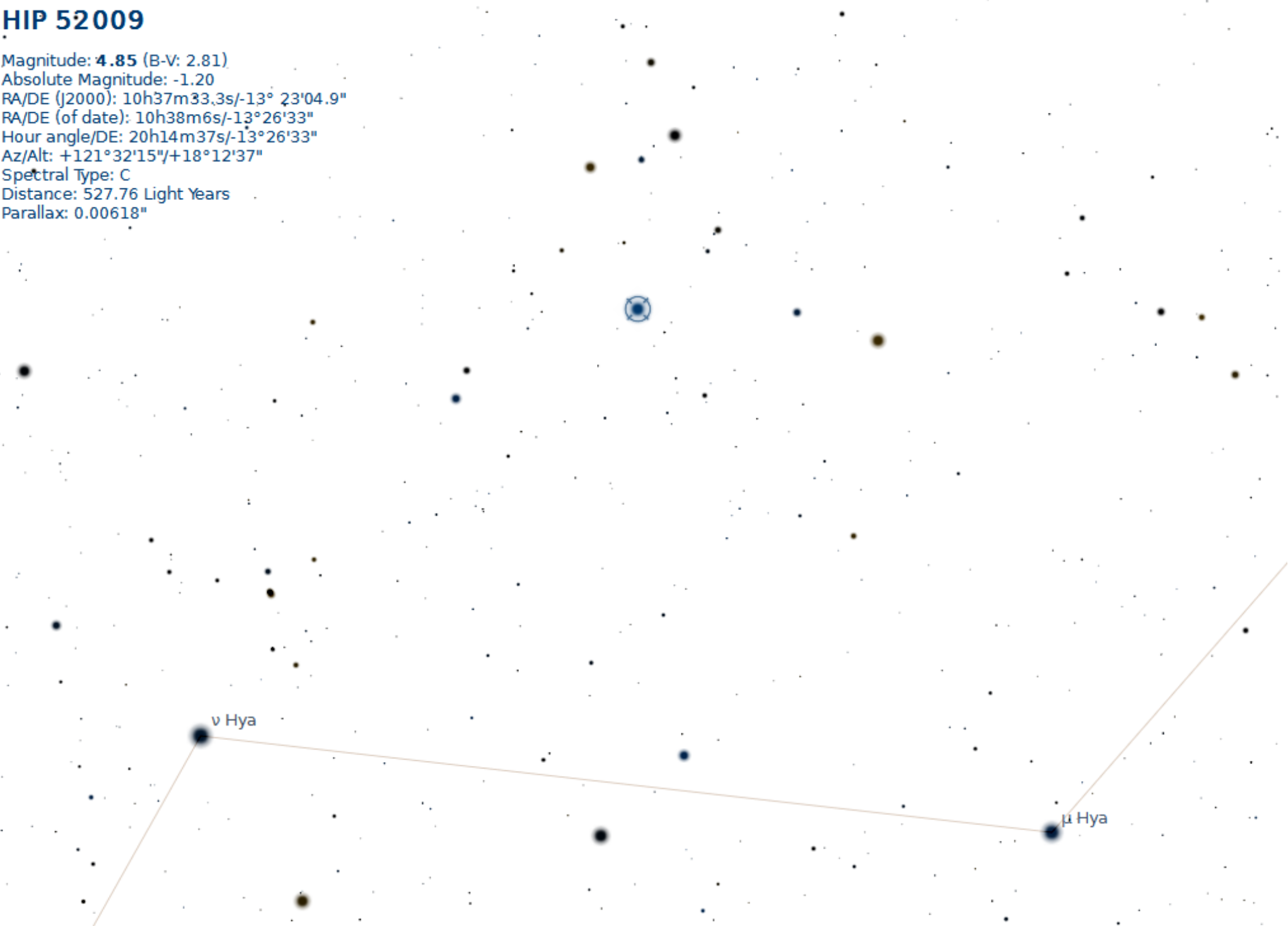
Description:

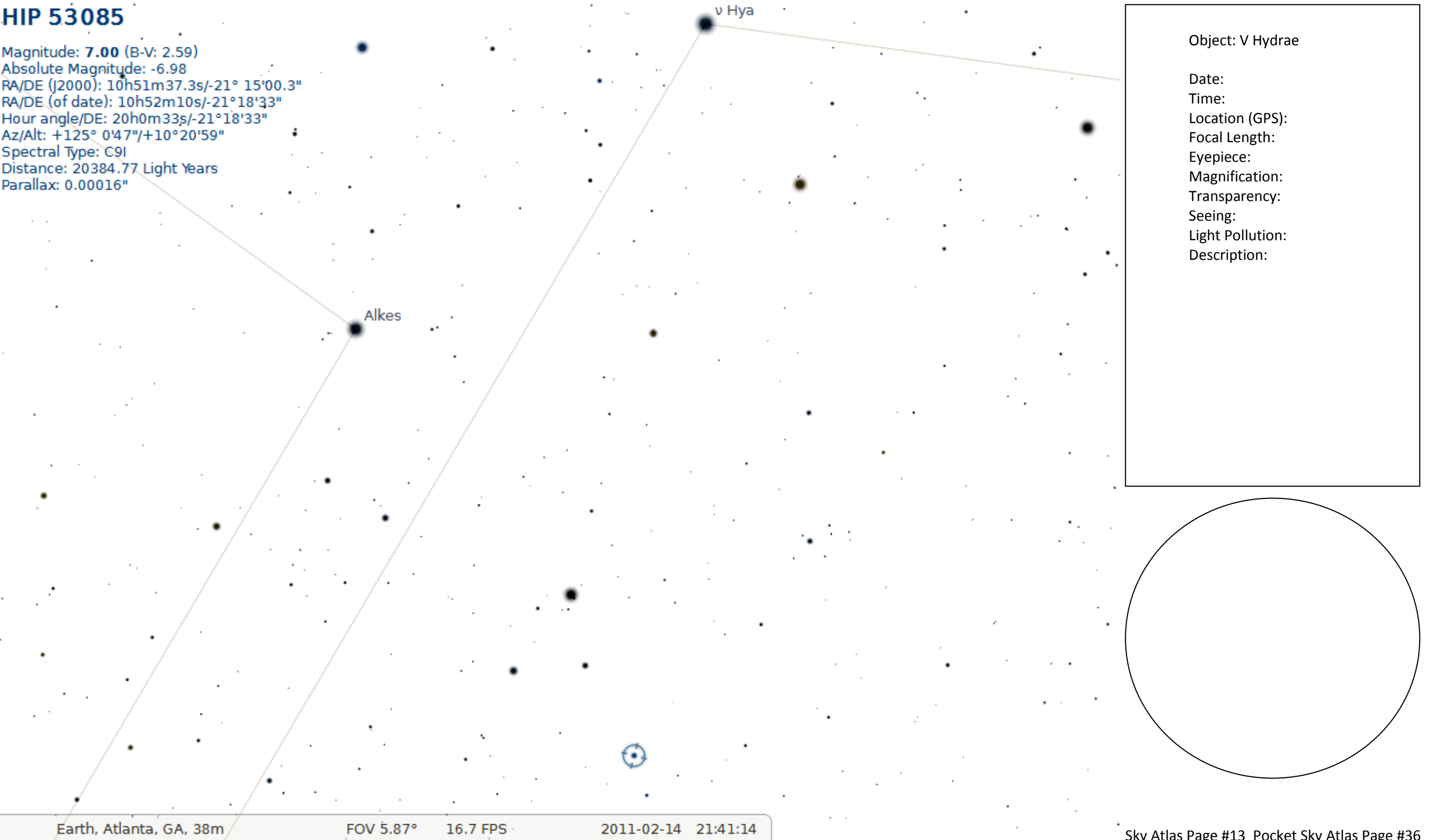
HIP 52009

Magnitude: 4.85 (B-V: 2.81)
Absolute Magnitude: -1.20
RA/DE (J2000): 10h37m33.3s/-13° 23'04.9"
RA/DE (of date): 10h38m6s/-13°26'33"
Hour angle/DE: 20h14m37s/-13°26'33"
Az/Alt: +121°32'15"/+18°12'37"
Spectral Type: C
Distance: 527.76 Light Years
Parallax: 0.00618"

Object: U Hydrae

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:





HIP 53085
Magnitude: **7.00** (B-V: 2.59)
Absolute Magnitude: -6.98
RA/DE (J2000): 10h51m37.3s/-21° 15'00.3"
RA/DE (of date): 10h52m10s/-21° 18'33"
Hour angle/DE: 20h0m33s/-21° 18'33"
Az/Alt: +125° 0'47"/+10° 20'59"
Spectral Type: C9I
Distance: 20384.77 Light Years
Parallax: 0.00016"

Object: V Hydrae

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

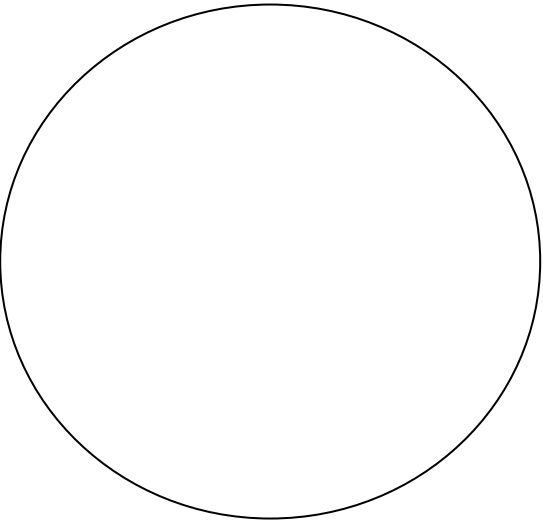
Magnification:

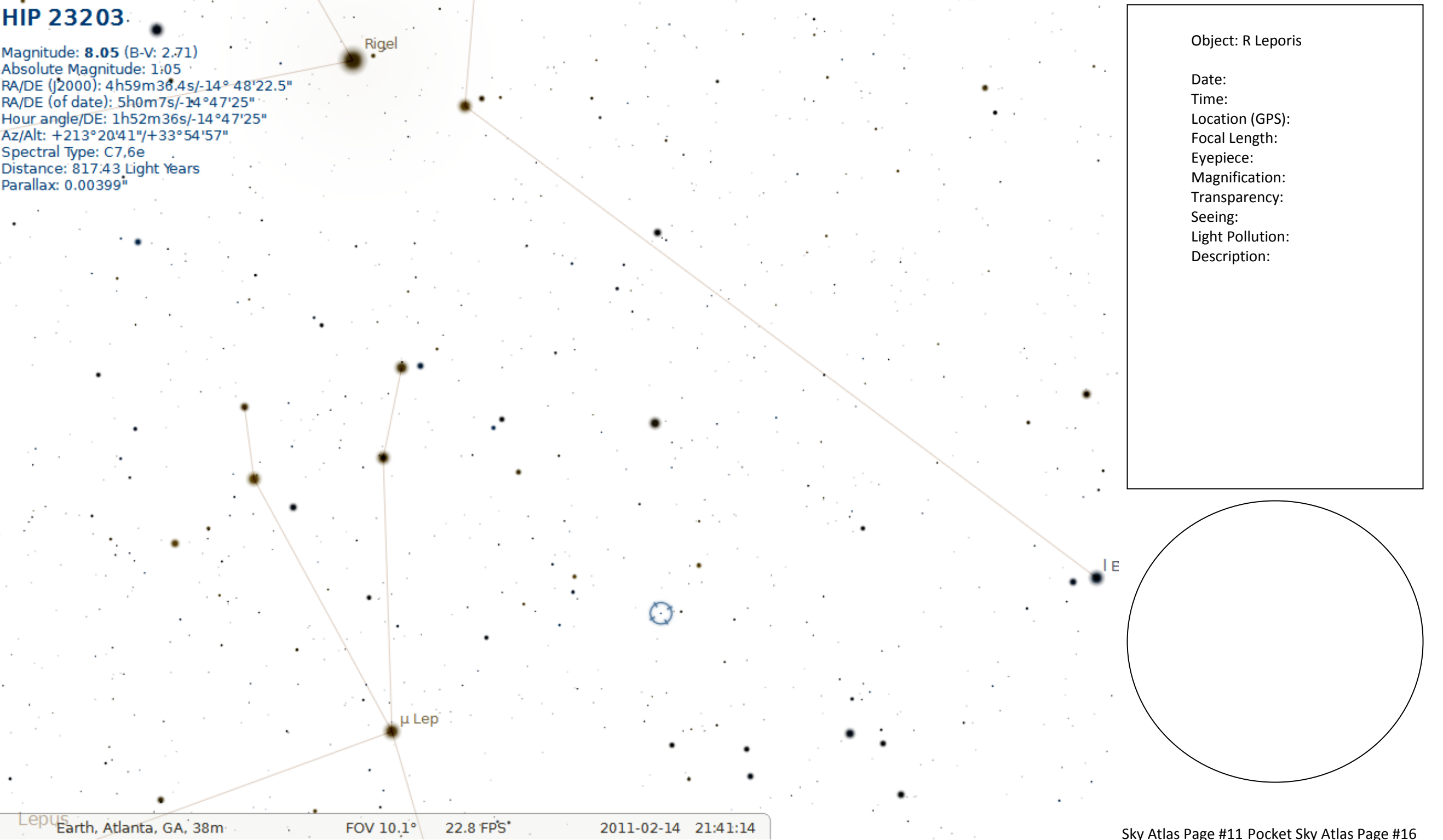
Transparency:

Seeing:

Light Pollution:

Description:

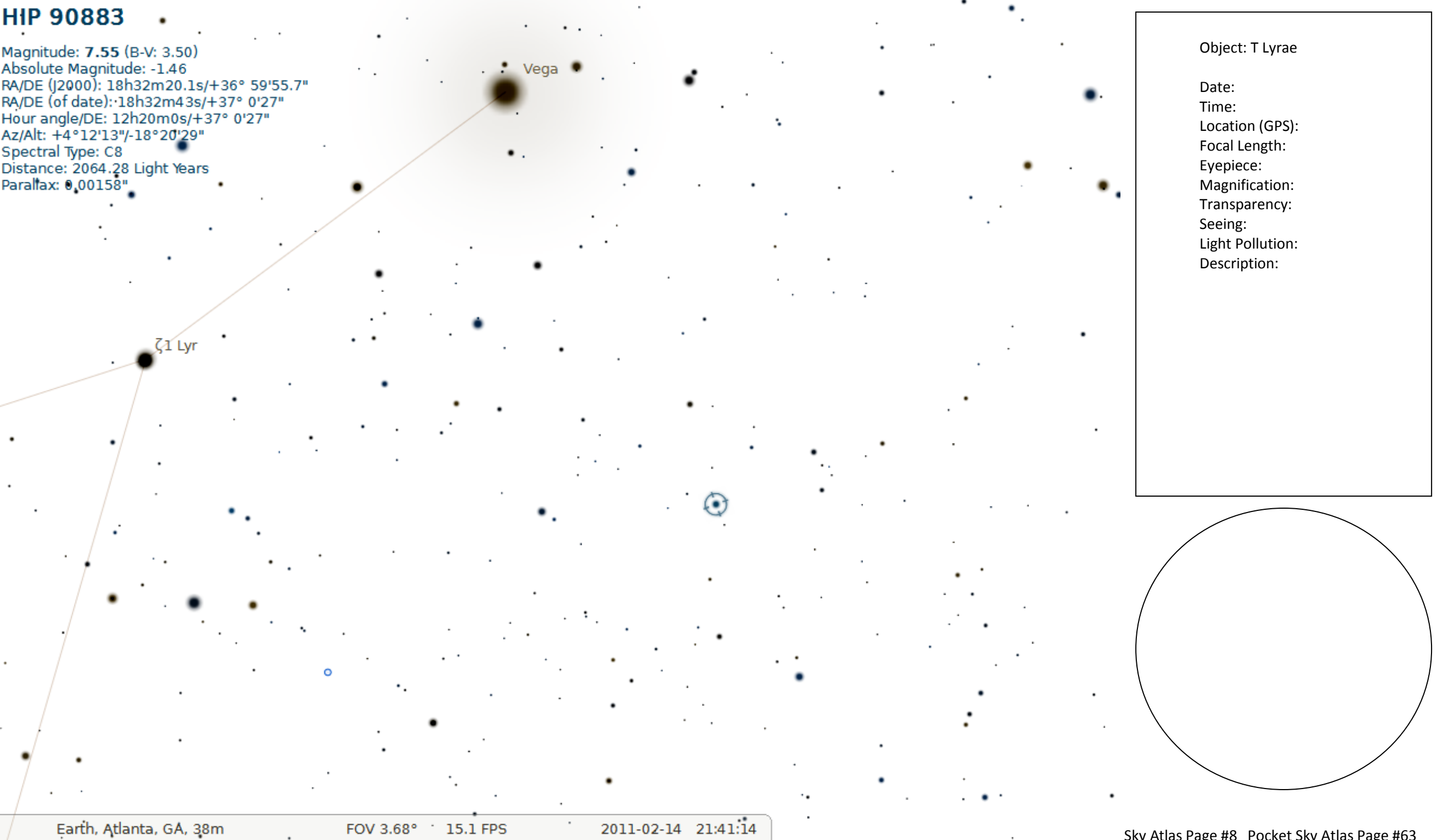




HIP 23203
Magnitude: **8.05** (B-V: 2.71)
Absolute Magnitude: 1.05
RA/DE (J2000): 4h59m36.4s/-14° 48'22.5"
RA/DE (of date): 5h0m7s/-14°47'25"
Hour angle/DE: 1h52m36s/-14°47'25"
Az/Alt: +213°20'41"/+33°54'57"
Spectral Type: C7.6e
Distance: 817.43 Light Years
Parallax: 0.00399"

Object: R Leporis

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



HIP 90883
Magnitude: **7.55** (B-V: 3.50)
Absolute Magnitude: -1.46
RA/DE (J2000): 18h32m20.1s/+36° 59'55.7"
RA/DE (of date): 18h32m43s/+37° 0'27"
Hour angle/DE: 12h20m0s/+37° 0'27"
Az/Alt: +4°12'13"/-18°20'29"
Spectral Type: C8
Distance: 2064.28 Light Years
Parallax: 0.00158"

Object: T Lyrae

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

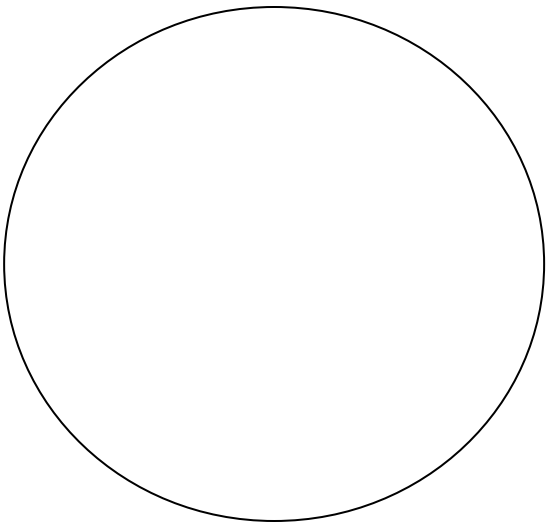
Magnification:

Transparency:

Seeing:

Light Pollution:

Description:



HIP 91774

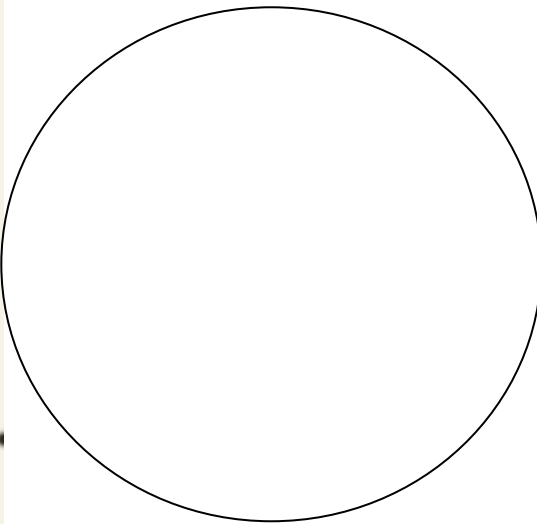
Magnitude: 7.95 (B-V: 3.09)
Absolute Magnitude: -2.73
RA/DE (J2000): 18h42m50.0s/+36° 57'30.9"
RA/DE (of date): 18h43m13s/+36°58'12"
Hour angle/DE: 12h44m17s/+36°58'12"
Az/Alt: +9°16'14"/-17°47'28"
Spectral Type: C5II
Distance: 4467.90 Light Years
Parallax: 0.00073"

Vega

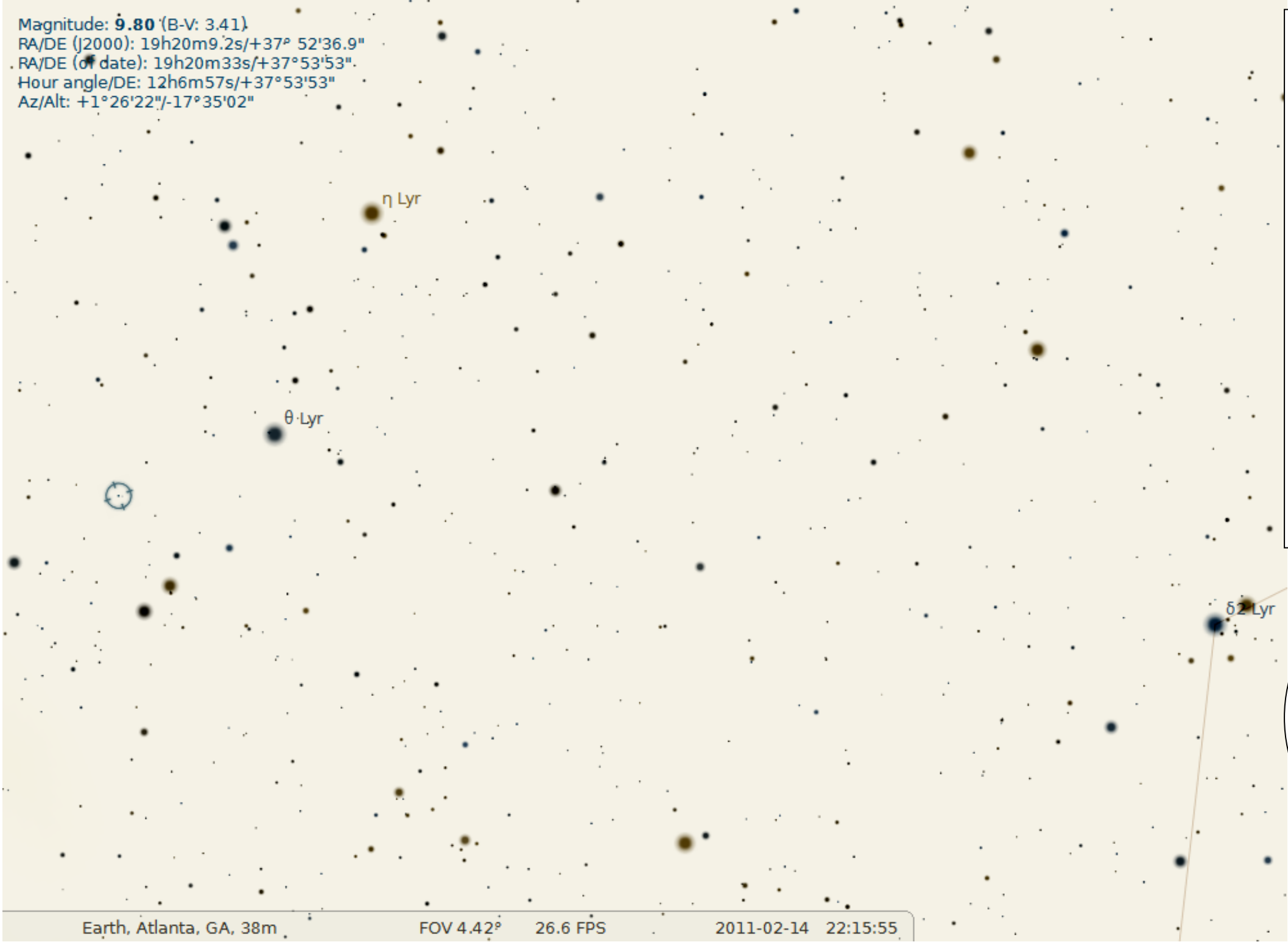
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Object: HK Lyrae

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

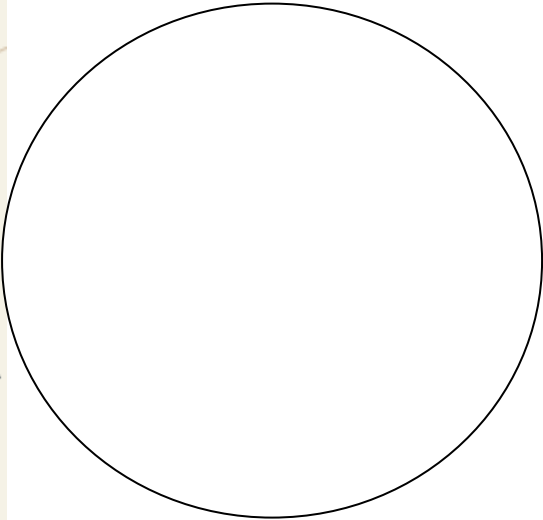


Magnitude: **9.80** (B-V: 3.41)
RA/DE (J2000): 19h20m9.2s/+37° 52'36.9"
RA/DE (of date): 19h20m33s/+37°53'53"
Hour angle/DE: 12h6m57s/+37°53'53"
Az/Alt: +1°26'22"/-17°35'02"



Object: U Lyrae

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



HIP 30301

Magnitude: 9.75 (B-V: 3.19)
Absolute Magnitude: -2.86
RA/DE (J2000): 6h22m23.9s/+3°25'27.8"
RA/DE (of date): 6h22m59s/+3°25'06"
Hour angle/DE: 0h29m44s/+3°25'06"
Az/Alt: +194°10'08"/+58°9'34"
Spectral Type: Sevar
Distance: 10871.88 Light Years
Parallax: 0.00030"

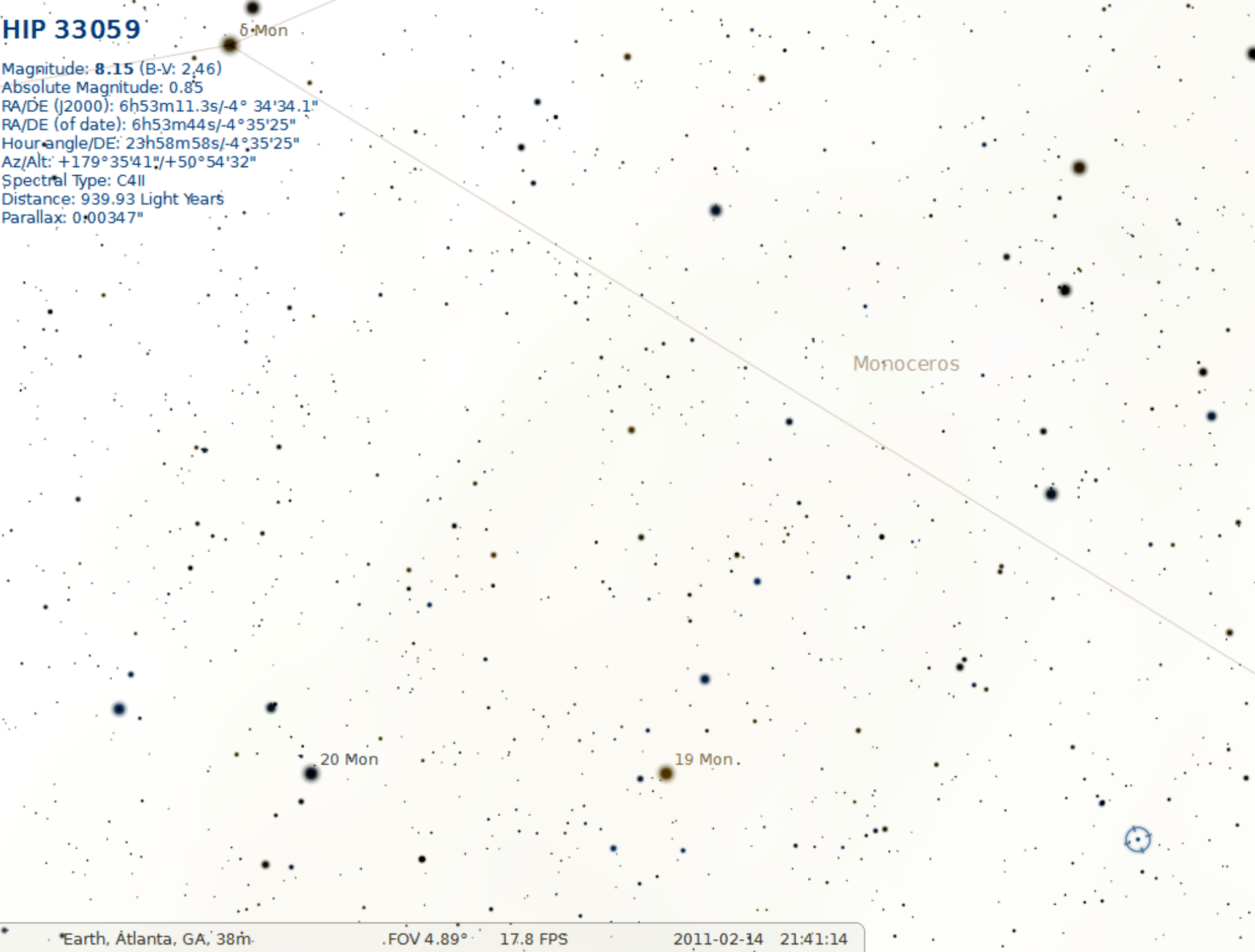
Object: FU Monocerotis

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

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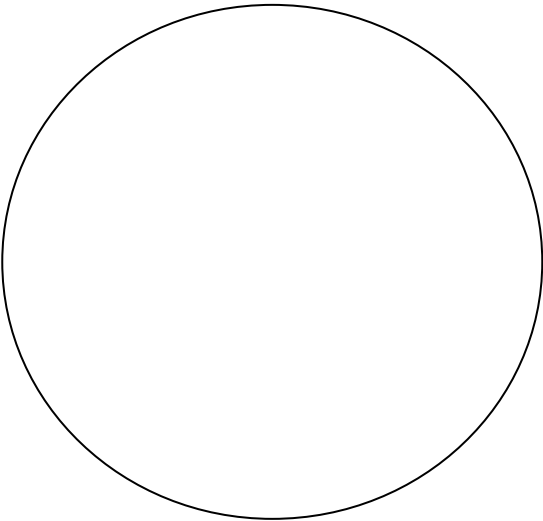
HIP 30728

HIP 33059
Magnitude: **8.15** (B-V: 2.46)
Absolute Magnitude: 0.85
RA/DE (J2000): 6h53m11.3s/-4° 34'34.1"
RA/DE (of date): 6h53m44s/-4° 35'25"
Hour angle/DE: 23h58m58s/-4° 35'25"
Az/Alt: +179°35'41"/+50°54'32"
Spectral Type: C4II
Distance: 939.93 Light Years
Parallax: 0.00347"



Object: GY Monocerotis

- Date:
- Time:
- Location (GPS):
- Focal Length:
- Eyepiece:
- Magnification:
- Transparency:
- Seeing:
- Light Pollution:
- Description:



HIP 33550

Magnitude: 7.35 (B-V: 2.74)
Absolute Magnitude: -0.92
RA/DE (J2000): 6h58m21.5s/+6° 10'01.3"
RA/DE (of date): 6h58m57s/+6° 9'05"
Hour angle/DE: 23h53m46s/+6° 9'05"
Az/Alt: +176°44'10"/+61°36'54"
Spectral Type: C5II
Distance: 1469.17 Light Years
Parallax: 0.00222"

Object: GY Monocerotis

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

Magnification:

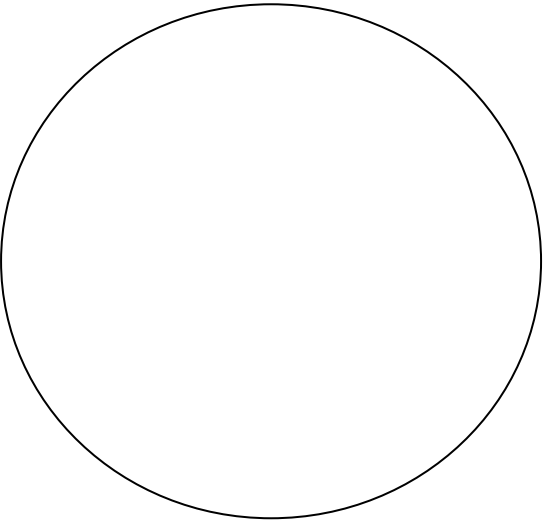
Transparency:

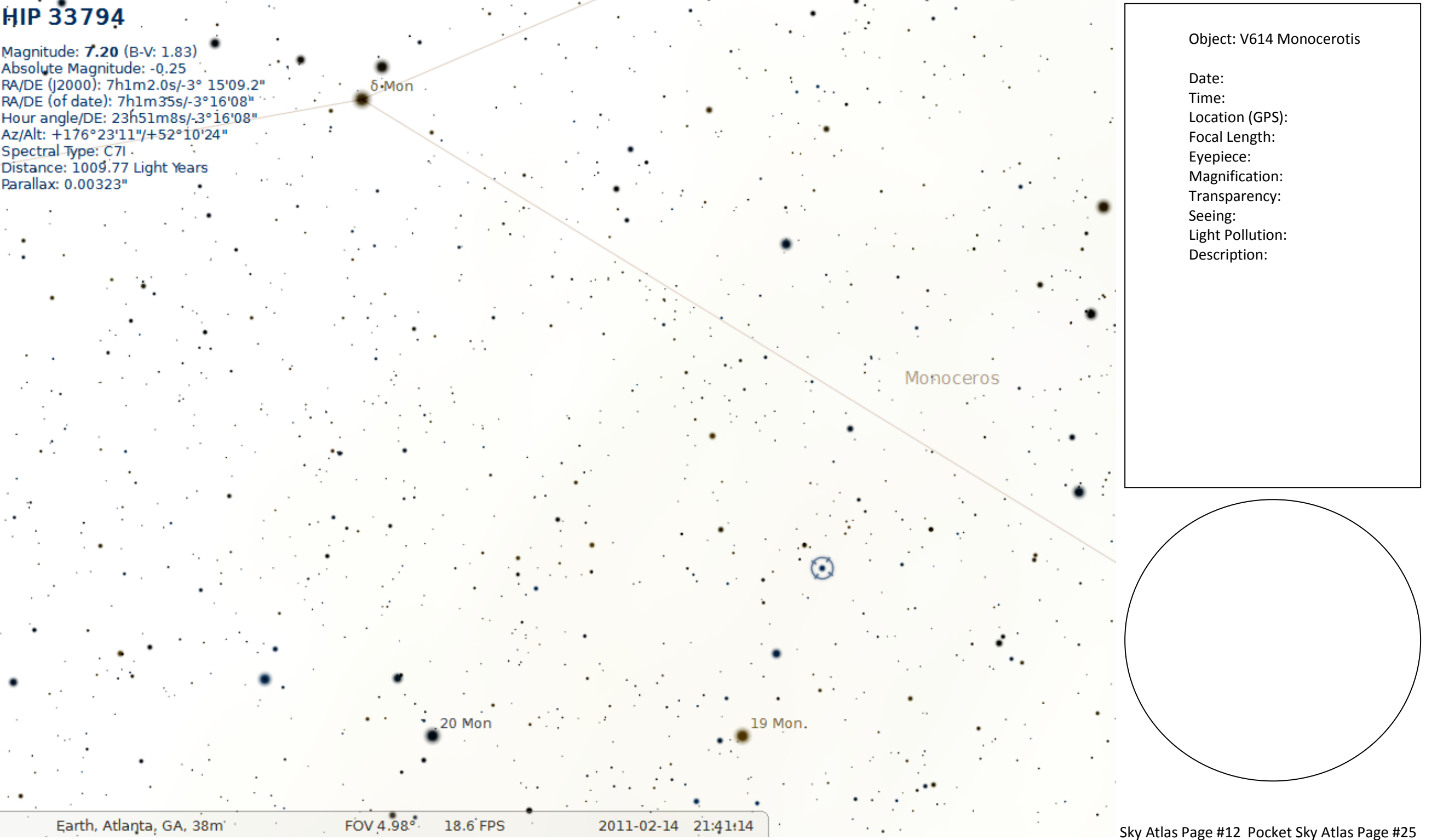
Seeing:

Light Pollution:

Description:

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HIP 33794
Magnitude: **7.20** (B-V: 1.83)
Absolute Magnitude: -0.25
RA/DE (J2000): 7h1m2.0s/-3° 15'09.2"
RA/DE (of date): 7h1m35s/-3°16'08"
Hour angle/DE: 23h51m8s/-3°16'08"
Az/Alt: +176°23'11"/+52°10'24"
Spectral Type: C7I
Distance: 1009.77 Light Years
Parallax: 0.00323"

Object: V614 Monocerotis

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

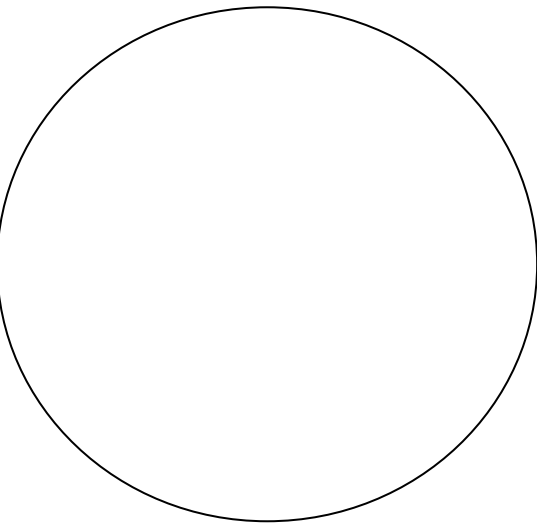
Magnification:

Transparency:

Seeing:

Light Pollution:

Description:



HIP 34326

Magnitude: 7.85 (B-V: 2.46)
Absolute Magnitude: -0.44
RA/DE (J2000): 7h6m56.5s/-7° 33'26.6"
RA/DE (of date): 7h7m29s/-7°34'31"
Hour angle/DE: 23h45m14s/-7°34'31"
Az/Alt: +174°33'00"/+47°46'48"
Spectral Type: N5
Distance: 1482.53 Light Years
Parallax: 0.00220"

Object: RY Monocerotis

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

M50

NGC 2335

NGC 2353

NGC 2343

θ CMa

HIP 80550 A

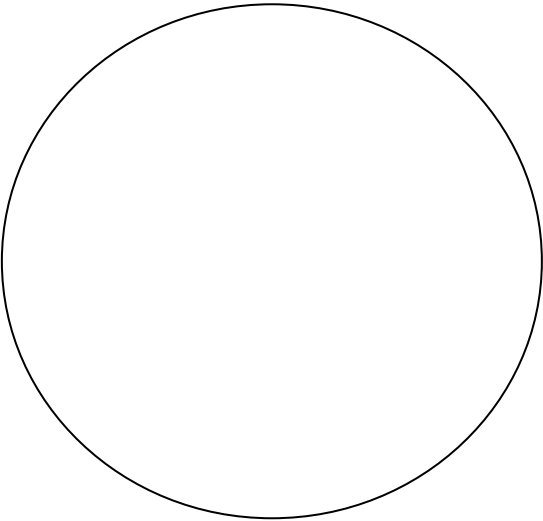
Magnitude: 9.30 (B-V: 3.41)
Absolute Magnitude: 2.11
RA/DE (J2000): 16h26m43.7s/-12° 25'35.9"
RA/DE (of date): 16h27m21s/-12°27'04"
Hour angle/DE: 14h25m22s/-12°27'04"
Az/Alt: +65° 9'49"/-50°23'04"
Spectral Type: C
Distance: 893.58 Light Years
Parallax: 0.00365"

ζ Oph

M107

Object: V Ophiuchi

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



HIP 85617

Magnitude: 7.50 (B-V: 2.11)
Absolute Magnitude: 0.26
RA/DE (J2000): 17h29m43.7s/-19° 28'22.8"
RA/DE (of date): 17h30m23s/-19°28'52"
Hour angle/DE: 13h22m20s/-19°28'52"
Az/Alt: +55°49'19"/-66°22'60"
Spectral Type: C
Distance: 913.60 Light Years
Parallax: 0.00357"



Object: TW Ophiuchi

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

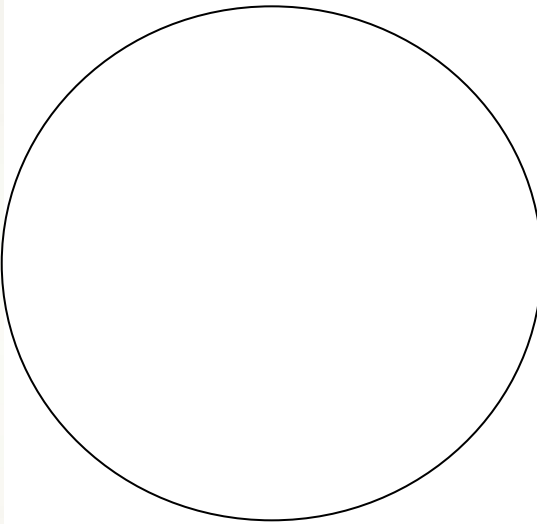
Magnification:

Transparency:

Seeing:

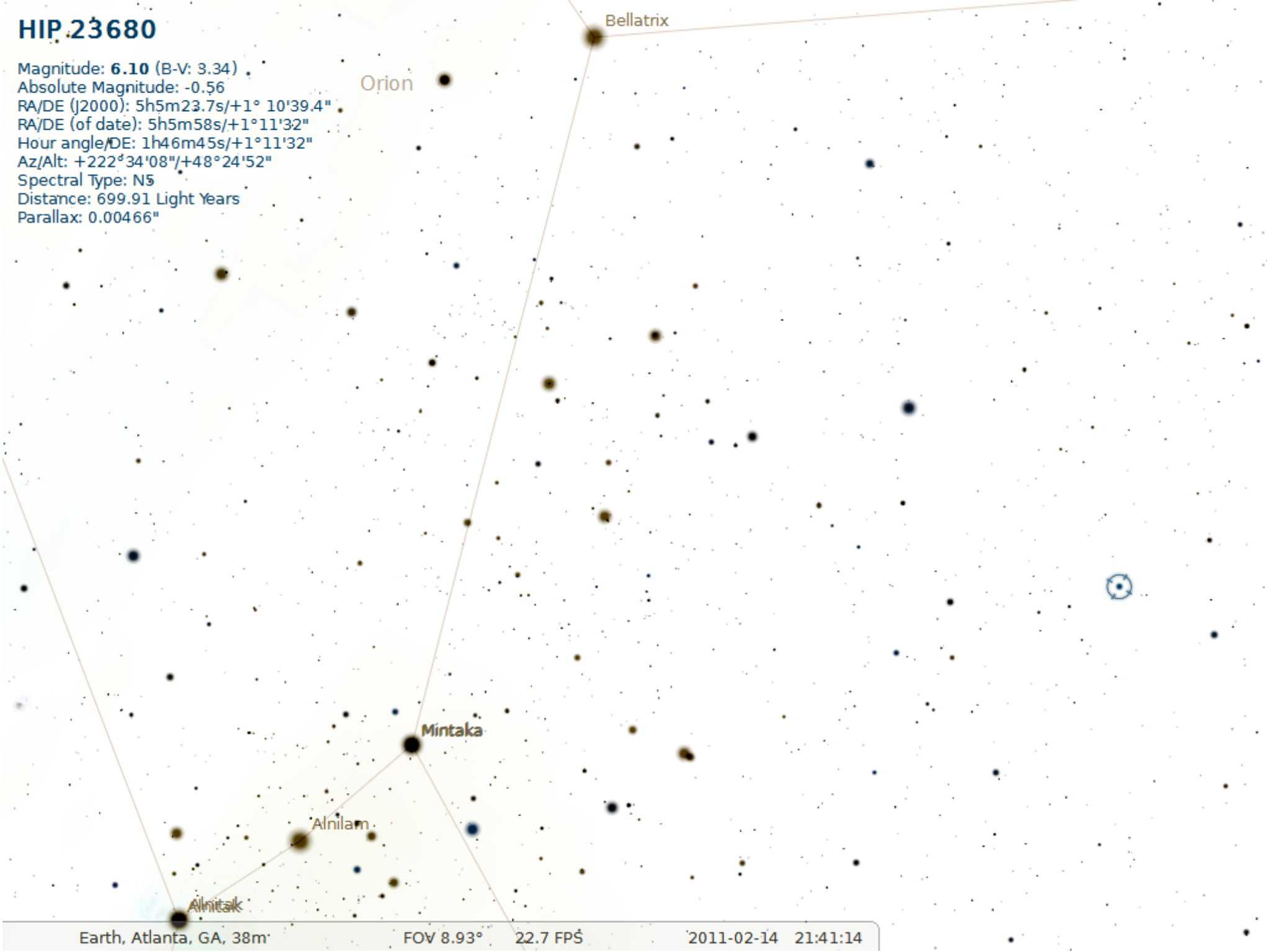
Light Pollution:

Description:



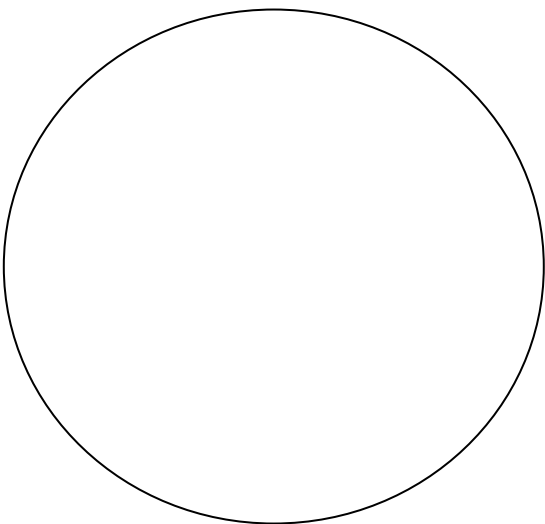
HIP 23680

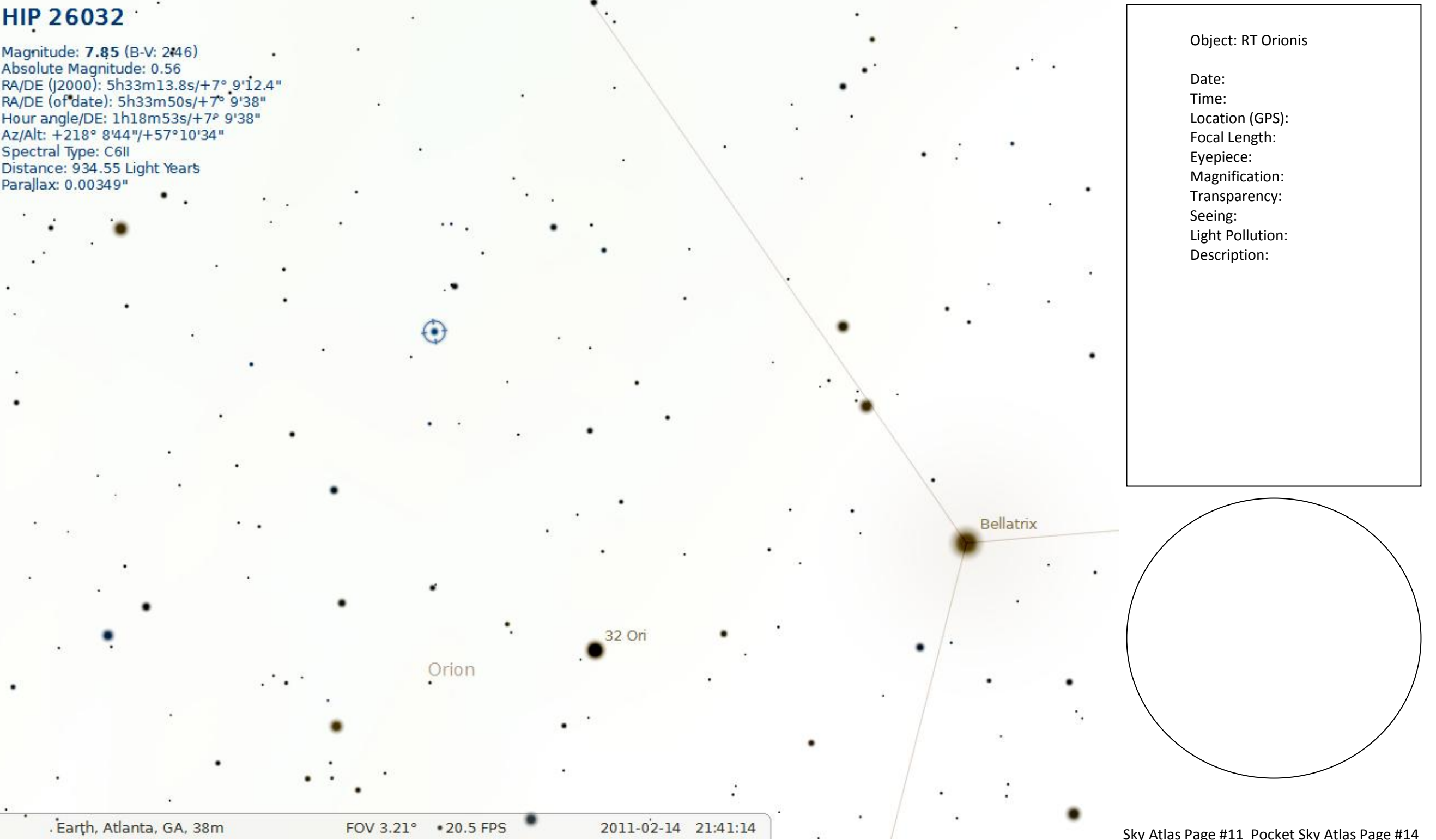
Magnitude: **6.10** (B-V: 3.34)
Absolute Magnitude: -0.56
RA/DE (J2000): 5h5m23.7s/+1° 10'39.4"
RA/DE (of date): 5h5m58s/+1°11'32"
Hour angle/DE: 1h46m45s/+1°11'32"
Az/Alt: +222°34'08"/+48°24'52"
Spectral Type: N5
Distance: 699.91 Light Years
Parallax: 0.00466"



Object: W Orionis

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

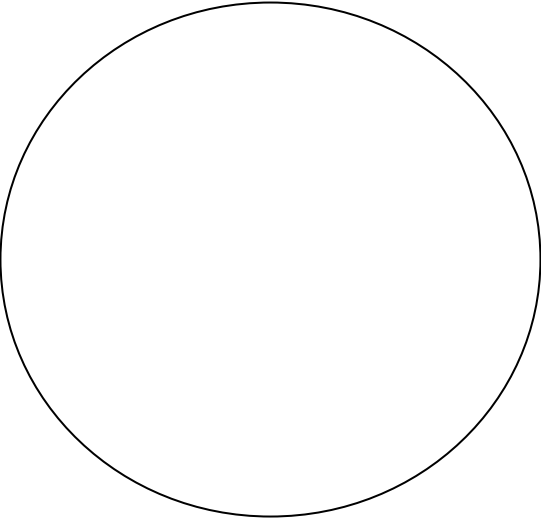




HIP 26032
Magnitude: 7.85 (B-V: 2.46)
Absolute Magnitude: 0.56
RA/DE (J2000): 5h33m13.8s/+7° 9'12.4"
RA/DE (of date): 5h33m50s/+7° 9'38"
Hour angle/DE: 1h18m53s/+7° 9'38"
Az/Alt: +218° 8'44"/+57° 10'34"
Spectral Type: C6II
Distance: 934.55 Light Years
Parallax: 0.00349"

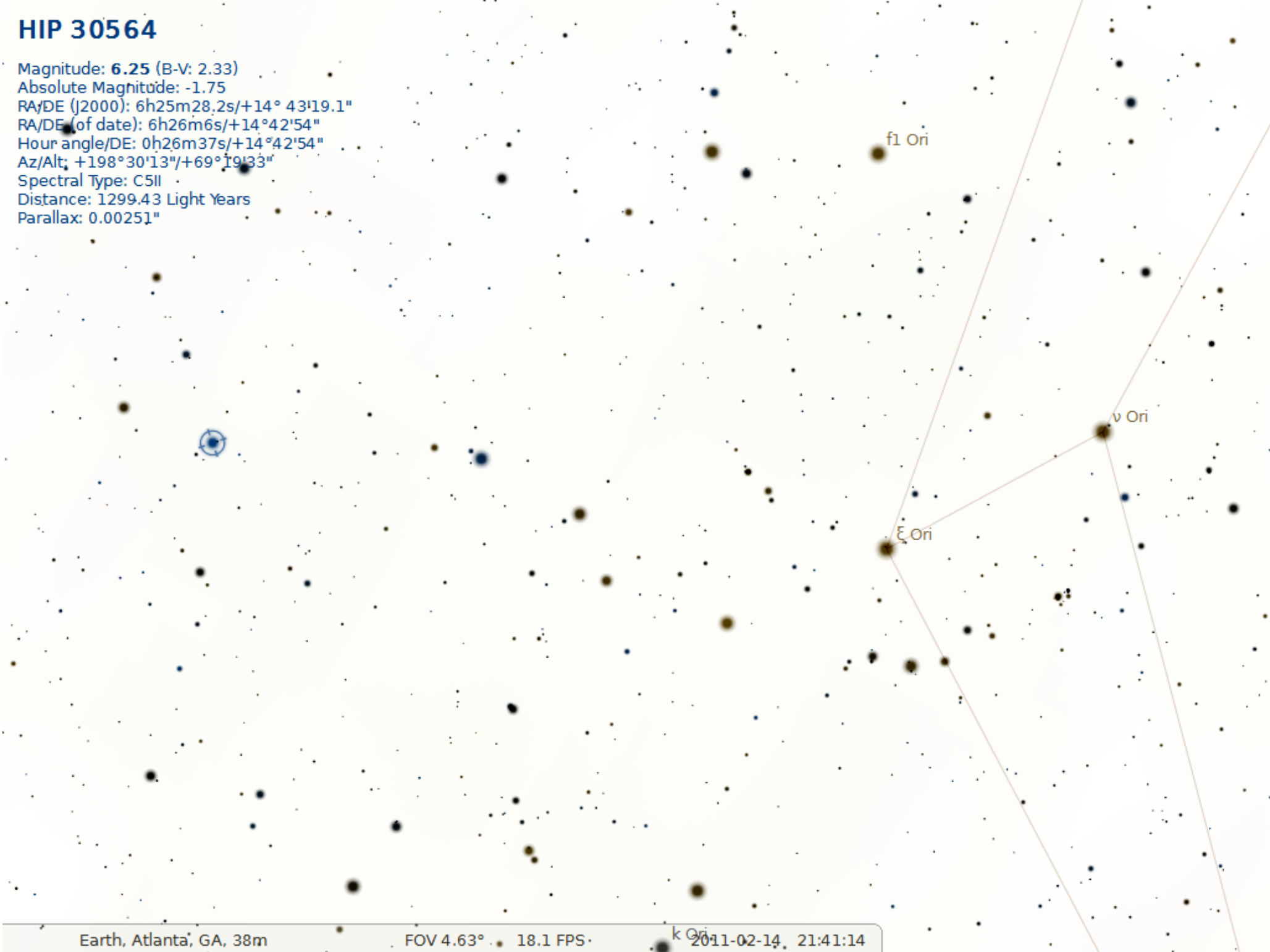
Object: RT Orionis

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



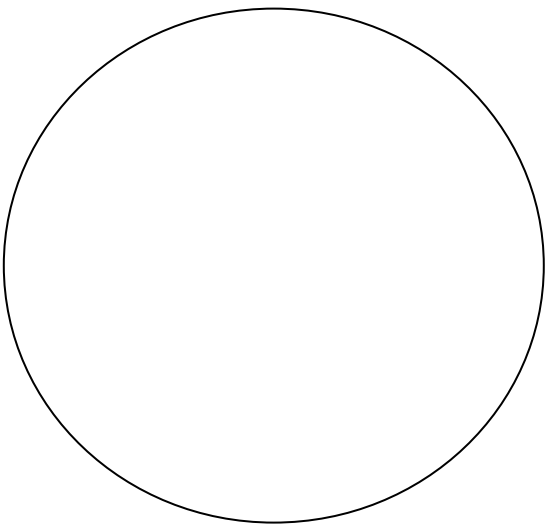
HIP 30564

Magnitude: 6.25 (B-V: 2.33)
Absolute Magnitude: -1.75
RA/DE (J2000): 6h25m28.2s/+14° 43'19.1"
RA/DE (of date): 6h26m6s/+14°42'54"
Hour angle/DE: 0h26m37s/+14°42'54"
Az/Alt: +198°30'13"/+69°19'33"
Spectral Type: C5II
Distance: 1299.43 Light Years
Parallax: 0.00251"



Object: BL Orionis

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



Magnitude: 8.25 (B-V: 3.19)
RA/DE (J2000): 21h56m22.3s/+22° 51'42.6"
RA/DE (of date): 21h56m53s/+22°54'54"
Hour angle/DE: 9h30m37s/+22°54'54"
Az/Alt: +322°46'48"/-22°30'51"

ι Peg

κ Peg

Object: RX Pegasi

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

Magnification:

Transparency:

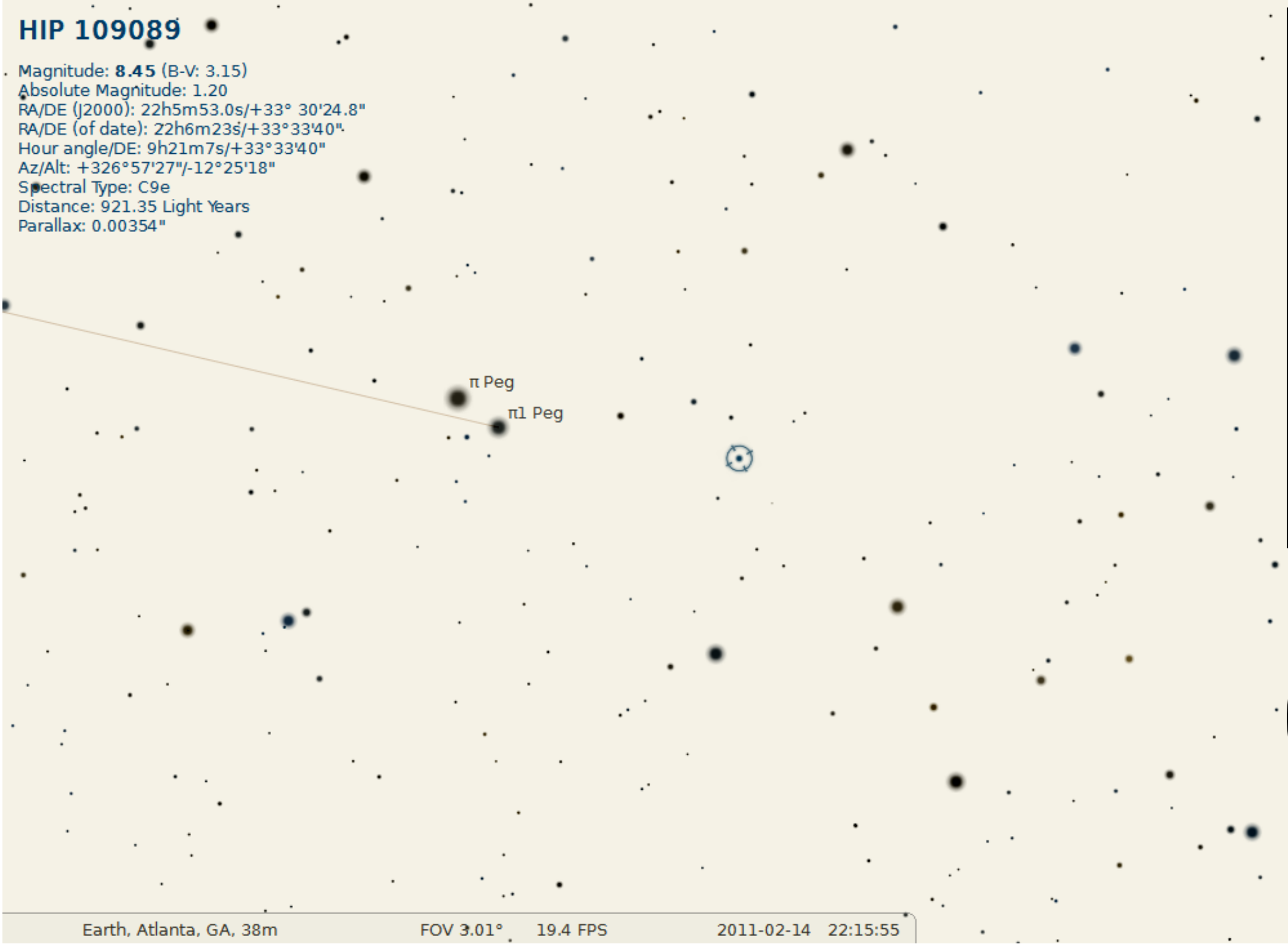
Seeing:

Light Pollution:

Description:

HIP 109089

Magnitude: 8.45 (B-V: 3.15)
Absolute Magnitude: 1.20
RA/DE (J2000): 22h5m53.0s/+33° 30'24.8"
RA/DE (of date): 22h6m23s/+33°33'40"
Hour angle/DE: 9h21m7s/+33°33'40"
Az/Alt: +326°57'27"/-12°25'18"
Spectral Type: C9e
Distance: 921.35 Light Years
Parallax: 0.00354"



Object: RZ Pegasi

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

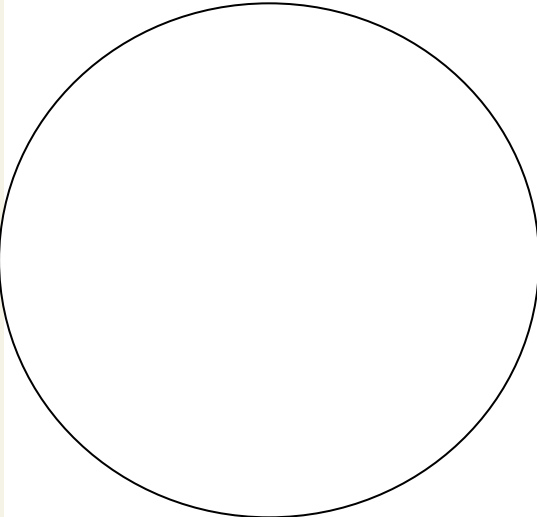
Magnification:

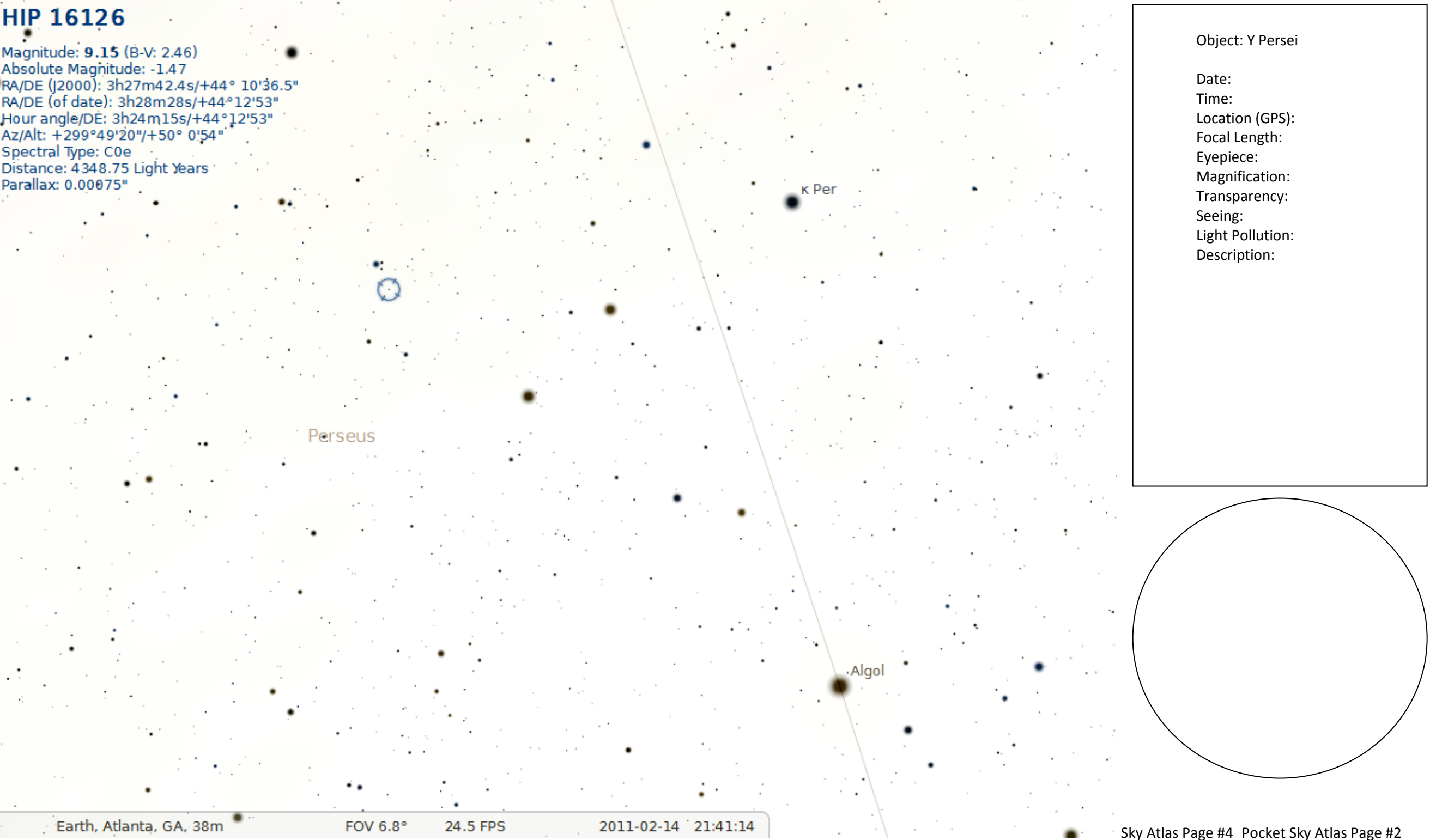
Transparency:

Seeing:

Light Pollution:

Description:



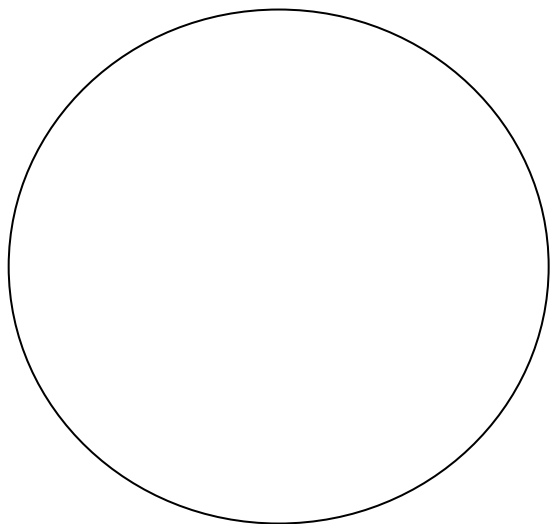


HIP 16126

Magnitude: **9.15** (B-V: 2.46)
Absolute Magnitude: -1.47
RA/DE (J2000): 3h27m42.4s/+44° 10'36.5"
RA/DE (of date): 3h28m28s/+44°12'53"
Hour angle/DE: 3h24m15s/+44°12'53"
Az/Alt: +299°49'20"/+50° 0'54"
Spectral Type: C0e
Distance: 4348.75 Light Years
Parallax: 0.00075"

Object: Y Persei

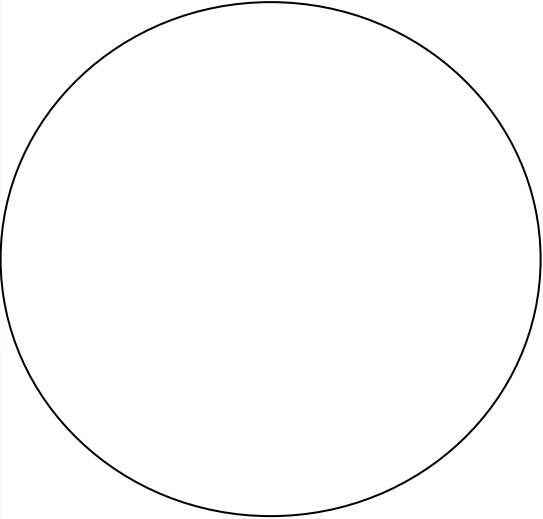
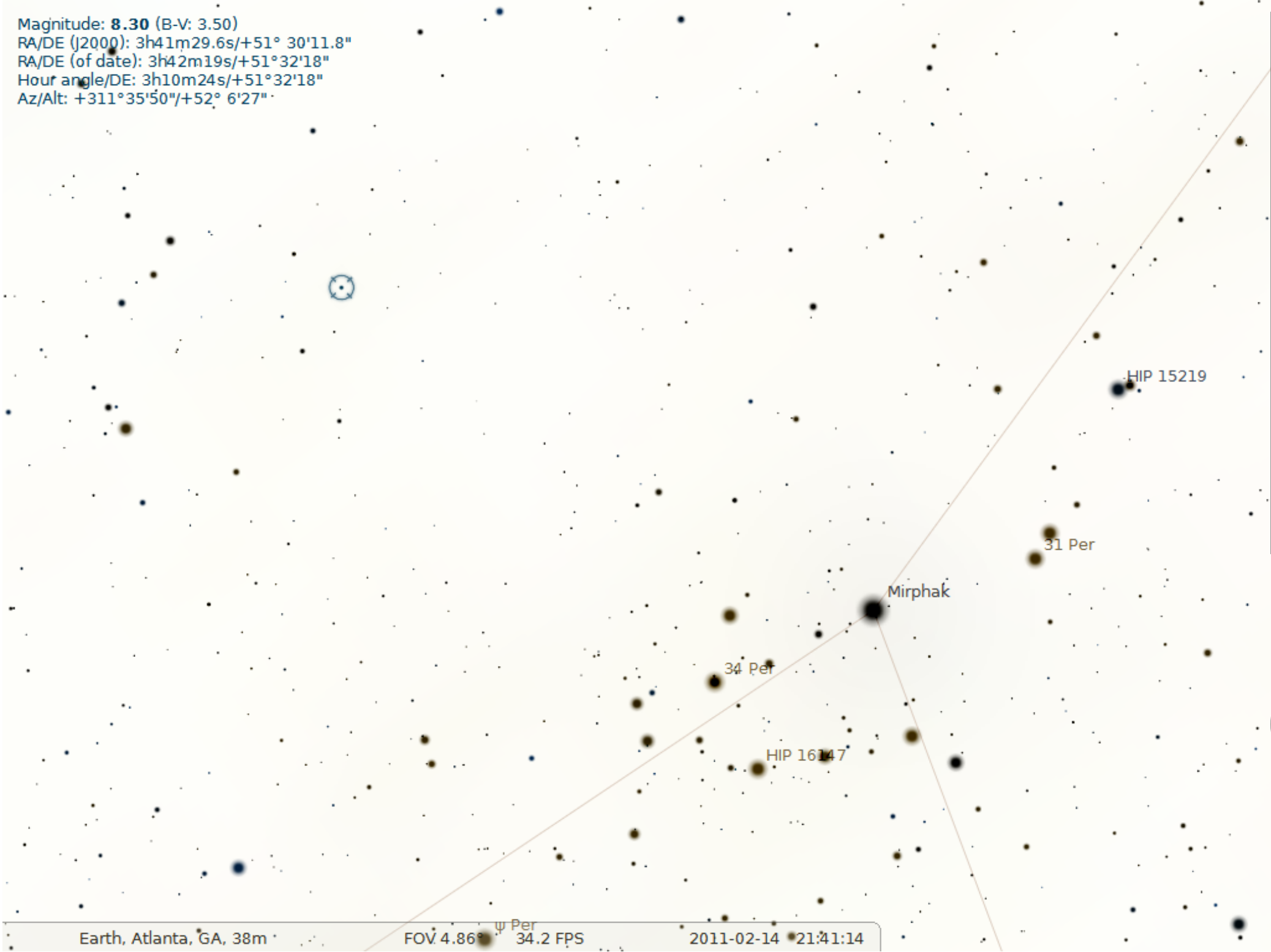
Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



Magnitude: **8.30** (B-V: 3.50)
RA/DE (J2000): 3h41m29.6s/+51° 30'11.8"
RA/DE (of date): 3h42m19s/+51°32'18"
Hour angle/DE: 3h10m24s/+51°32'18"
Az/Alt: +311°35'50"/+52° 6'27"

Object: V466 Persei

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



HIP 447

Magnitude: 8.25 (B-V: 1.04)
Absolute Magnitude: -0.61
RA/DE (J2000): 0h5m22.4s/+8° 47'15.4"
RA/DE (of date): 0h5m57s/+8°50'58"
Hour angle/DE: 6h46m46s/+8°50'58"
Az/Alt: +283°56'30"/-4°28'03"
Spectral Type: G4V:p
Distance: 1929.92 Light Years
Parallax: 0.00169"

Object: SAO 109003 Piscium

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

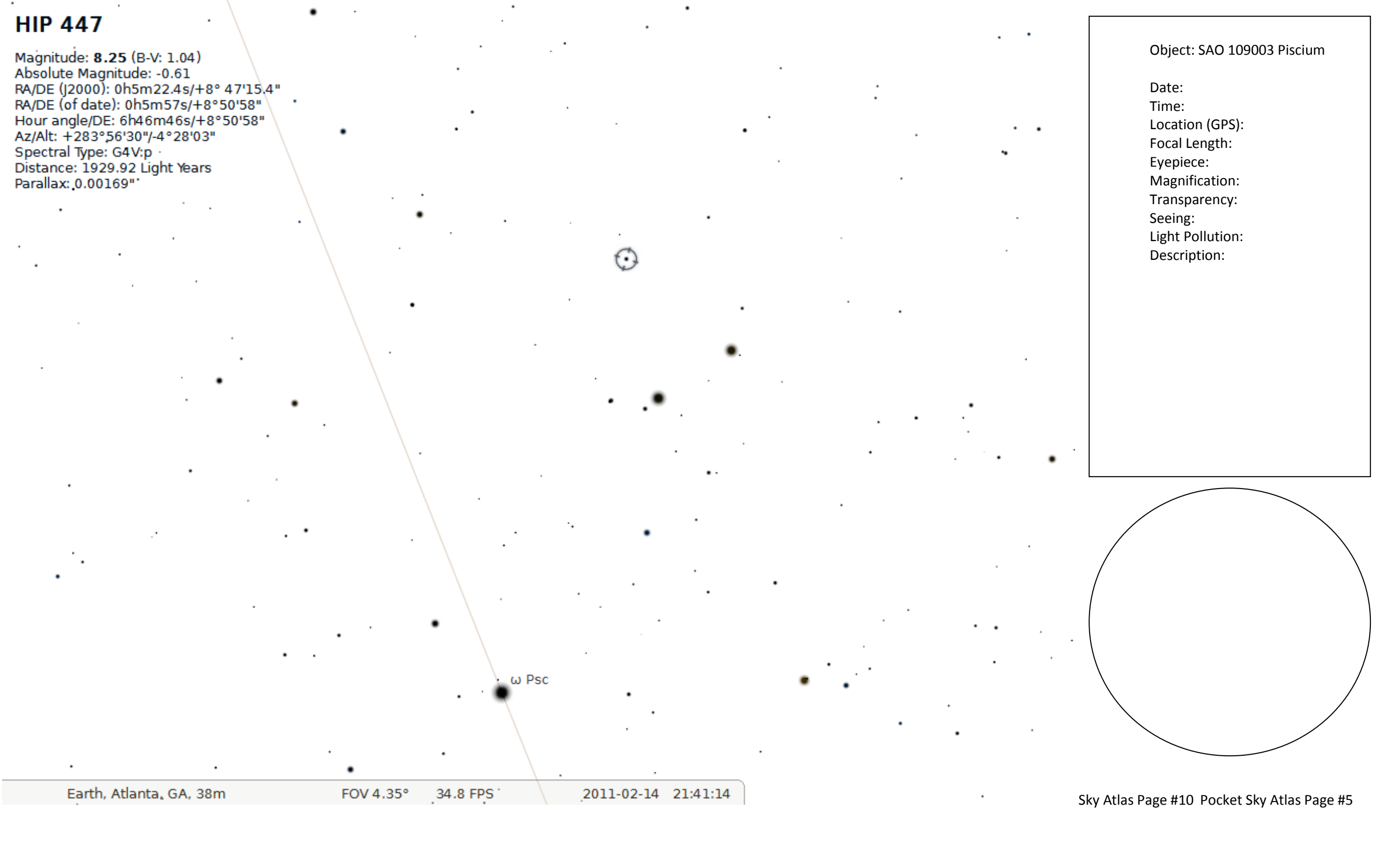
Magnification:

Transparency:

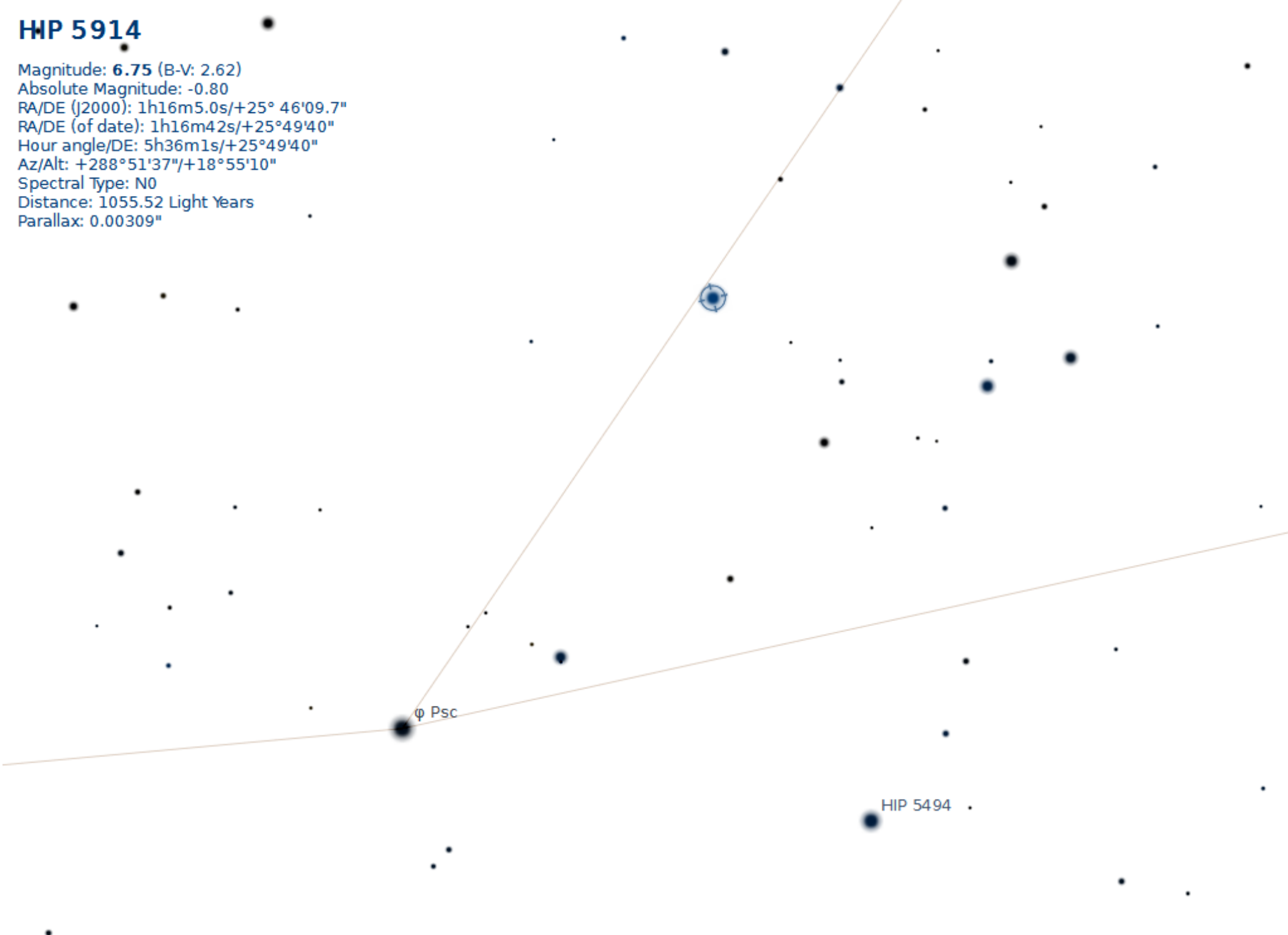
Seeing:

Light Pollution:

Description:



HIP 5914
Magnitude: **6.75** (B-V: 2.62)
Absolute Magnitude: -0.80
RA/DE (J2000): 1h16m5.0s/+25° 46'09.7"
RA/DE (of date): 1h16m42s/+25°49'40"
Hour angle/DE: 5h36m1s/+25°49'40"
Az/Alt: +288°51'37"/+18°55'10"
Spectral Type: N0
Distance: 1055.52 Light Years
Parallax: 0.00309"



Object: Z Piscium

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

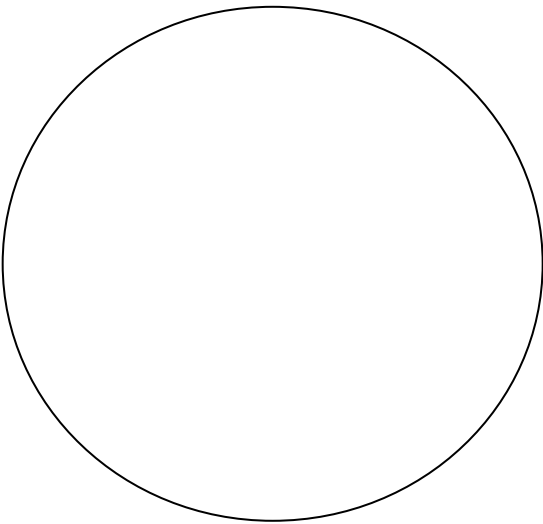
Magnification:

Transparency:

Seeing:

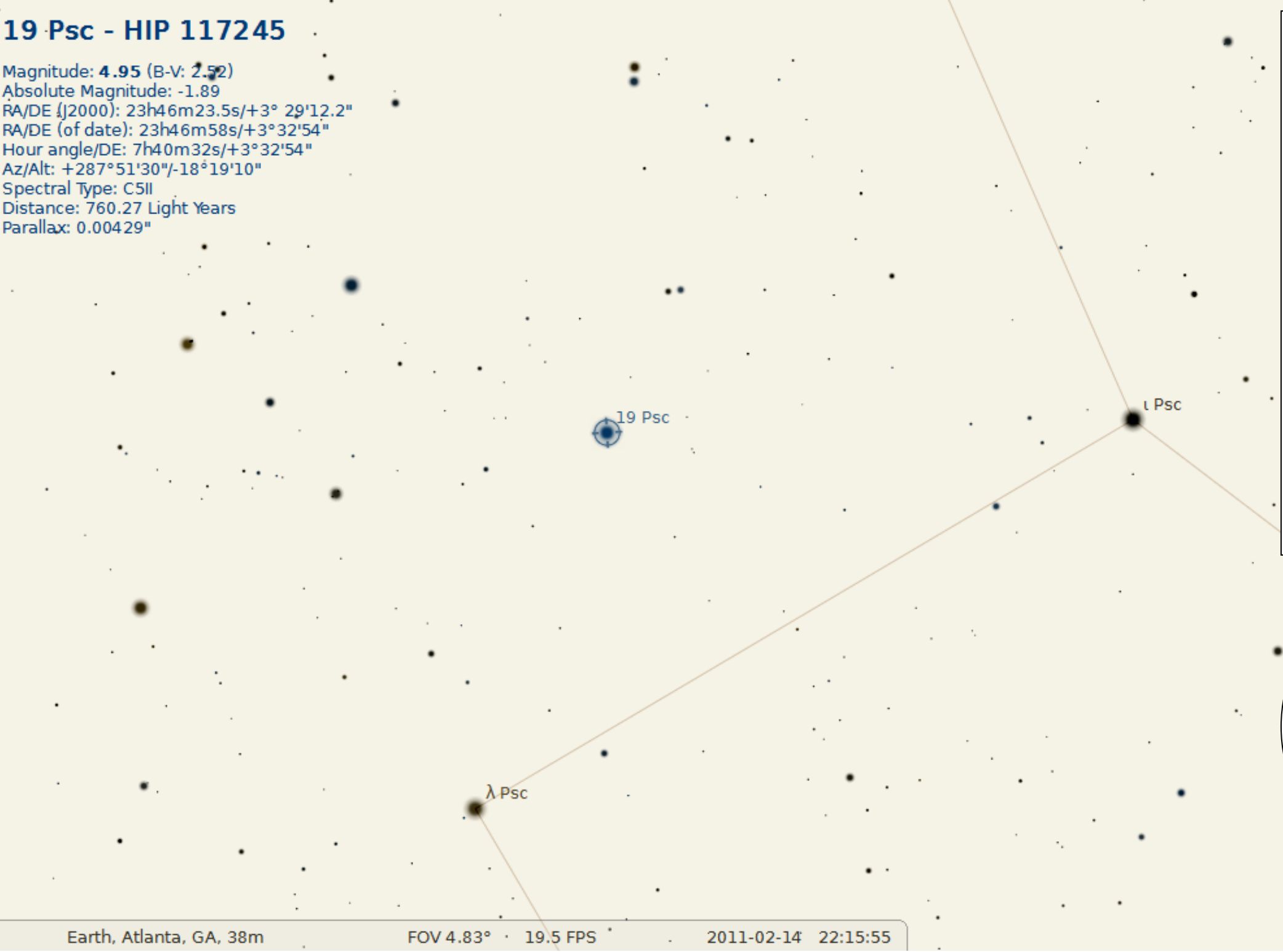
Light Pollution:

Description:



19 Psc - HIP 117245

Magnitude: 4.95 (B-V: 2.52)
Absolute Magnitude: -1.89
RA/DE (J2000): 23h46m23.5s/+3° 29'12.2"
RA/DE (of date): 23h46m58s/+3°32'54"
Hour angle/DE: 7h40m32s/+3°32'54"
Az/Alt: +287°51'30"/-18°19'10"
Spectral Type: C5II
Distance: 760.27 Light Years
Parallax: 0.00429"



Object: TX Piscium

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

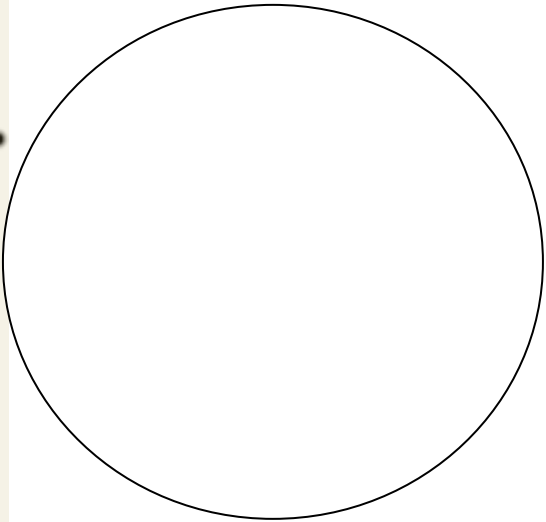
Magnification:

Transparency:

Seeing:

Light Pollution:

Description:

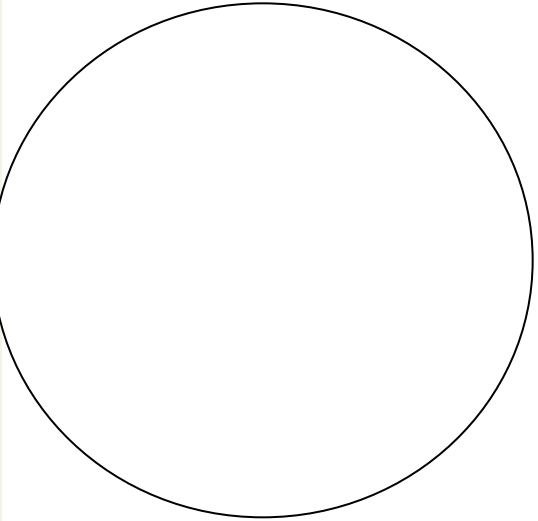
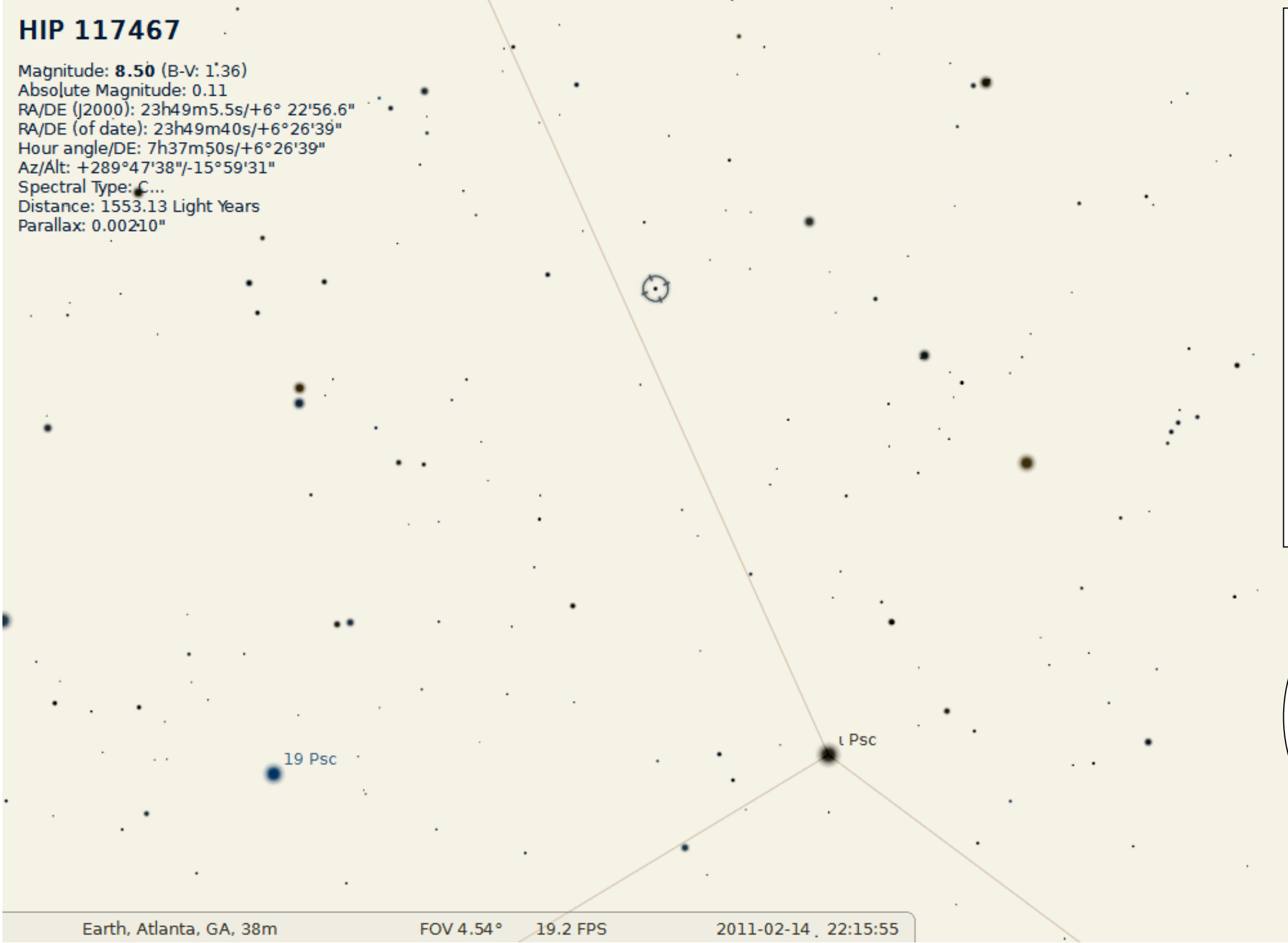


HIP 117467

Magnitude: 8.50 (B-V: 1.36)
Absolute Magnitude: 0.11
RA/DE (J2000): 23h49m5.5s/+6° 22'56.6"
RA/DE (of date): 23h49m40s/+6°26'39"
Hour angle/DE: 7h37m50s/+6°26'39"
Az/Alt: +289°47'38"/-15°59'31"
Spectral Type: C...
Distance: 1553.13 Light Years
Parallax: 0.00210"

Object: SAO 128396 Piscium

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

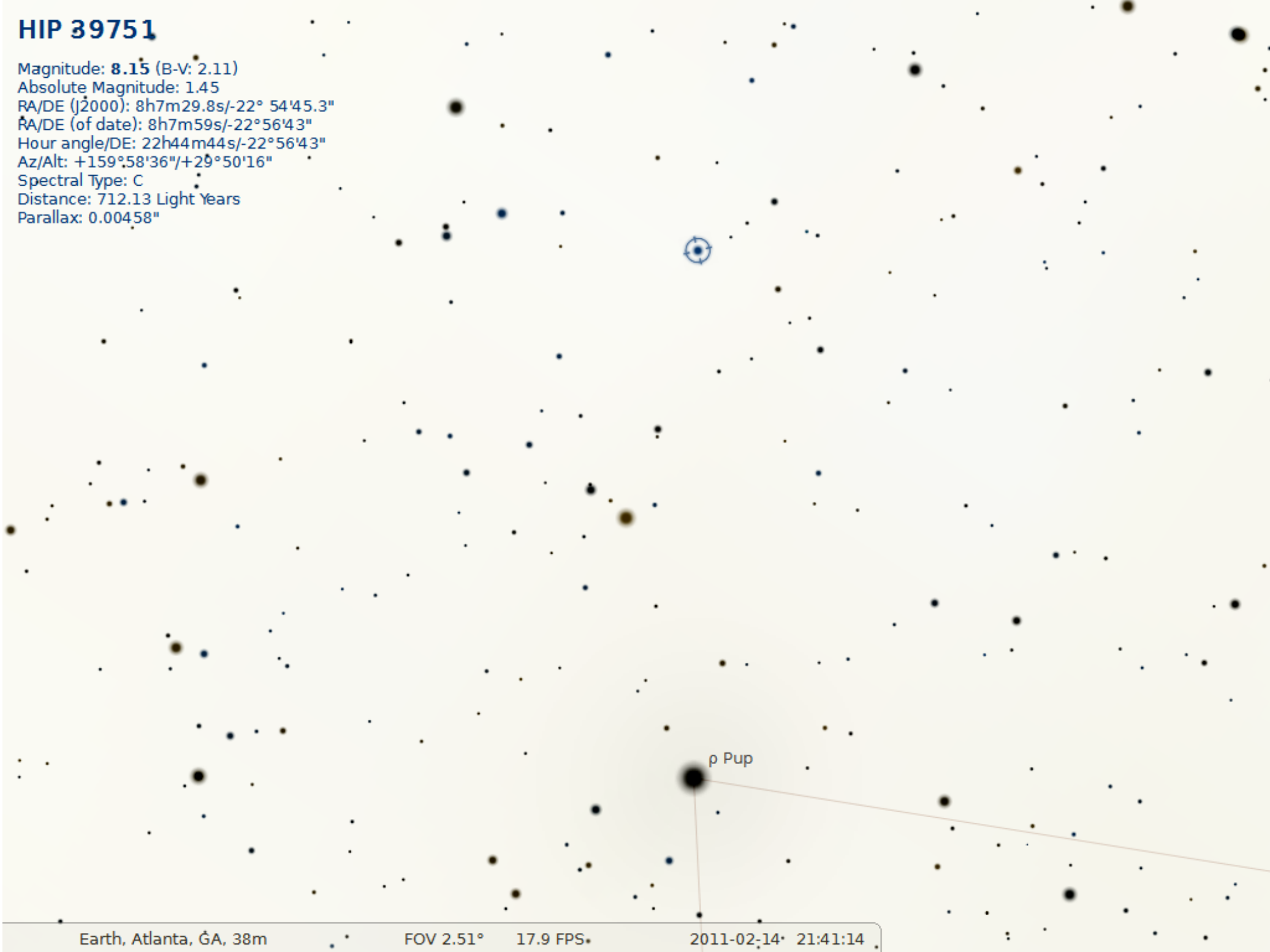
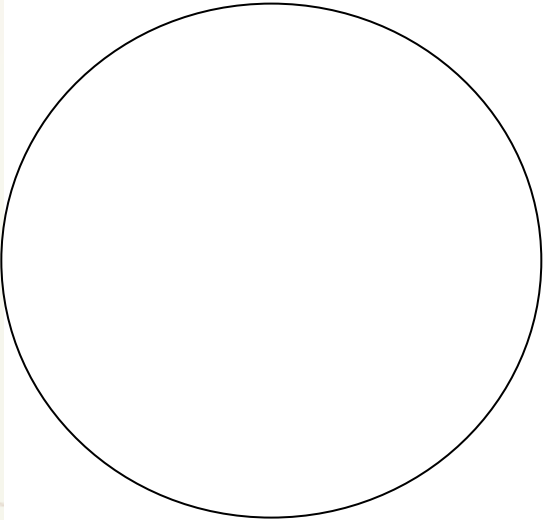


HIP 39751

Magnitude: **8.15** (B-V: 2.11)
Absolute Magnitude: 1.45
RA/DE (J2000): 8h7m29.8s/-22° 54'45.3"
RA/DE (of date): 8h7m59s/-22°56'43"
Hour angle/DE: 22h44m44s/-22°56'43"
Az/Alt: +159°58'36"/+29°50'16"
Spectral Type: C
Distance: 712.13 Light Years
Parallax: 0.00458"

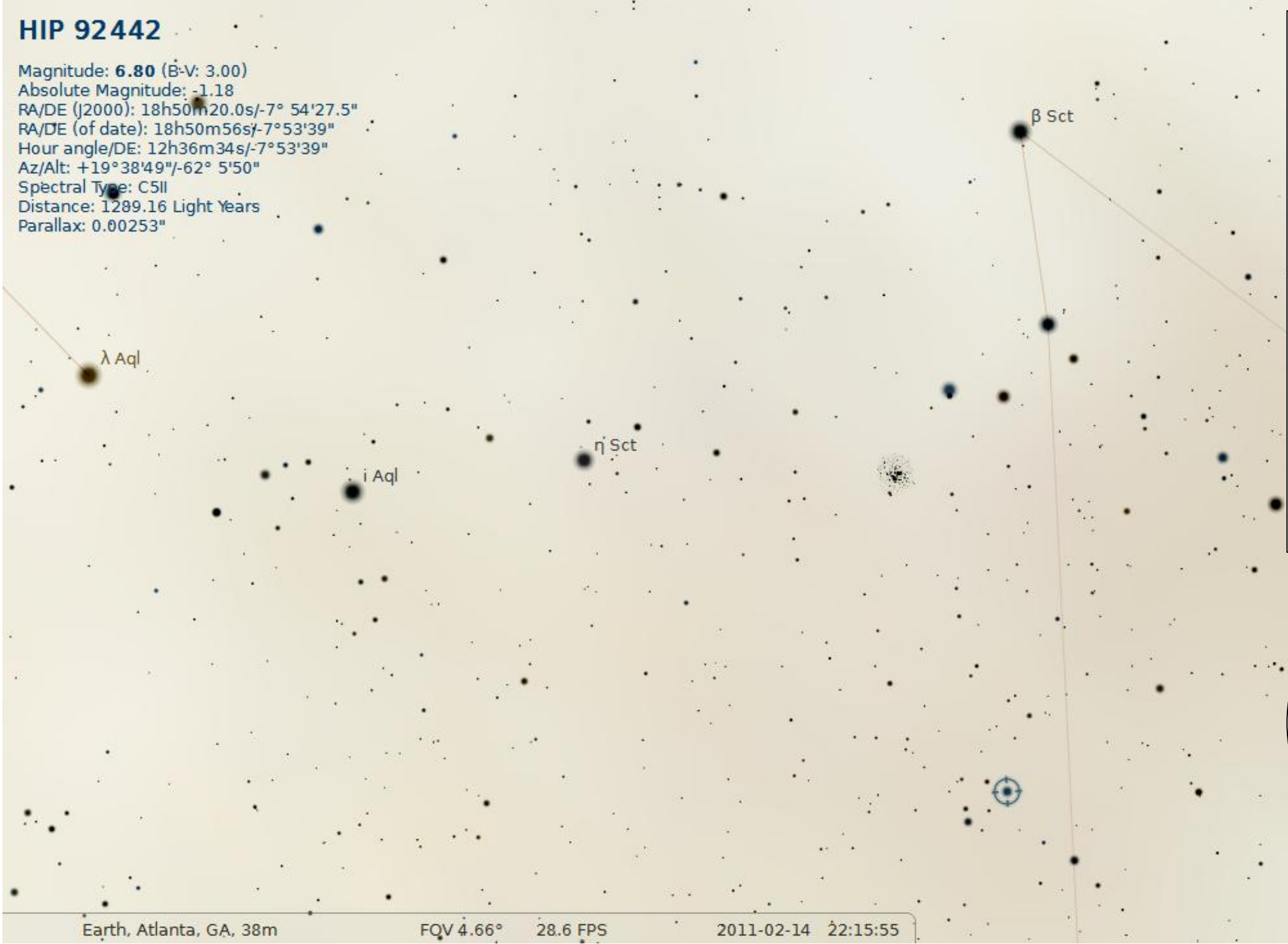
Object: RU Puppis

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



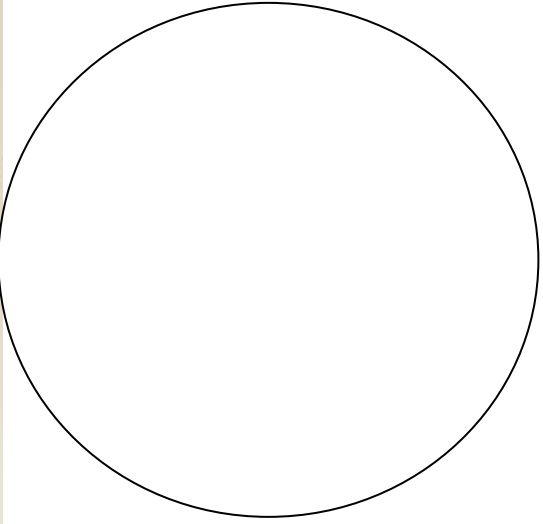
HIP 92442

Magnitude: **6.80** (B-V: 3.00)
Absolute Magnitude: -1.18
RA/DE (J2000): 18h50m20.0s/-7° 54'27.5"
RA/DE (of date): 18h50m56s/-7°53'39"
Hour angle/DE: 12h36m34s/-7°53'39"
Az/Alt: +19°38'49"/-62° 5'50"
Spectral Type: C5II
Distance: 1289.16 Light Years
Parallax: 0.00253"



Object: S Scuti

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



HIP 89783

Magnitude: **8.40** (B-V: 1.88),
Absolute Magnitude: 0.59
RA/DE (J2000): 18h19m21.8s/-15° 36'46.1"
RA/DE (of date): 18h20m0s/-15°36'27"
Hour angle/DE: 12h32m43s/-15°36'27"
Az/Alt: +23°17'29"/-69°43'40"
Spectral Type: C
Distance: 1190.35 Light Years
Parallax: 0.00274"

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HIP 90913

Eagle nebula

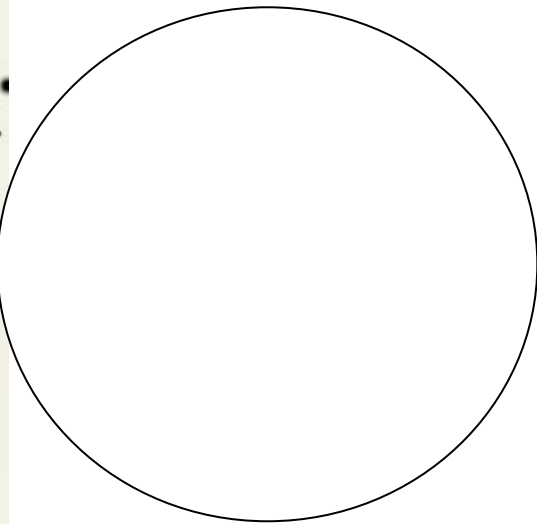
NGC 6605

HIP 89851

Omega nebula

Object: FO Serpentis

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



HIP 98662 A

Magnitude: 9.85 (B-V: 3.41)
RA/DE (J2000): 20h2m23.1s/+21° 5'24.9"
RA/DE (of date): 20h2m52s/+21° 7'18"
Hour angle/DE: 11h24m38s/+21° 7'18"
Az/Alt: +350° 4'06"/-33°44'46"
Spectral Type: C5II

Object: BF Sagittae

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

Magnification:

Transparency:

Seeing:

Light Pollution:

Description:

12 Vul

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γ Sge

HIP 98909

Magnitude: 8.20 (B-V: 2.46)
RA/DE (J2000): 20h5m5.4s/+20° 38'48.5"
RA/DE (of date): 20h5m35s/+20°40'44"
Hour angle/DE: 11h21m55s/+20°40'44"
Az/Alt: +349°13'53"/-34° 4'59"
Spectral Type: C6II

Object: X Sagittae

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

η Sge

γ Sge

HIP 86873 A

Magnitude: 8.55 (B-V: 2.65)
RA/DE (J2000): 17h44m56.5s/-18° 39'26.4"
RA/DE (of date): 17h45m36s/-18° 39'41"
Hour angle/DE: 13h7m7s/-18° 39'41"
Az/Alt: +47° 33'46"/-68° 14'48"
Spectral Type: C

ξ Ser

Object: SZ Sagittarii

Date:

Time:

Location (GPS):

Focal Length:

Eyepiece:

Magnification:

Transparency:

Seeing:

Light Pollution:

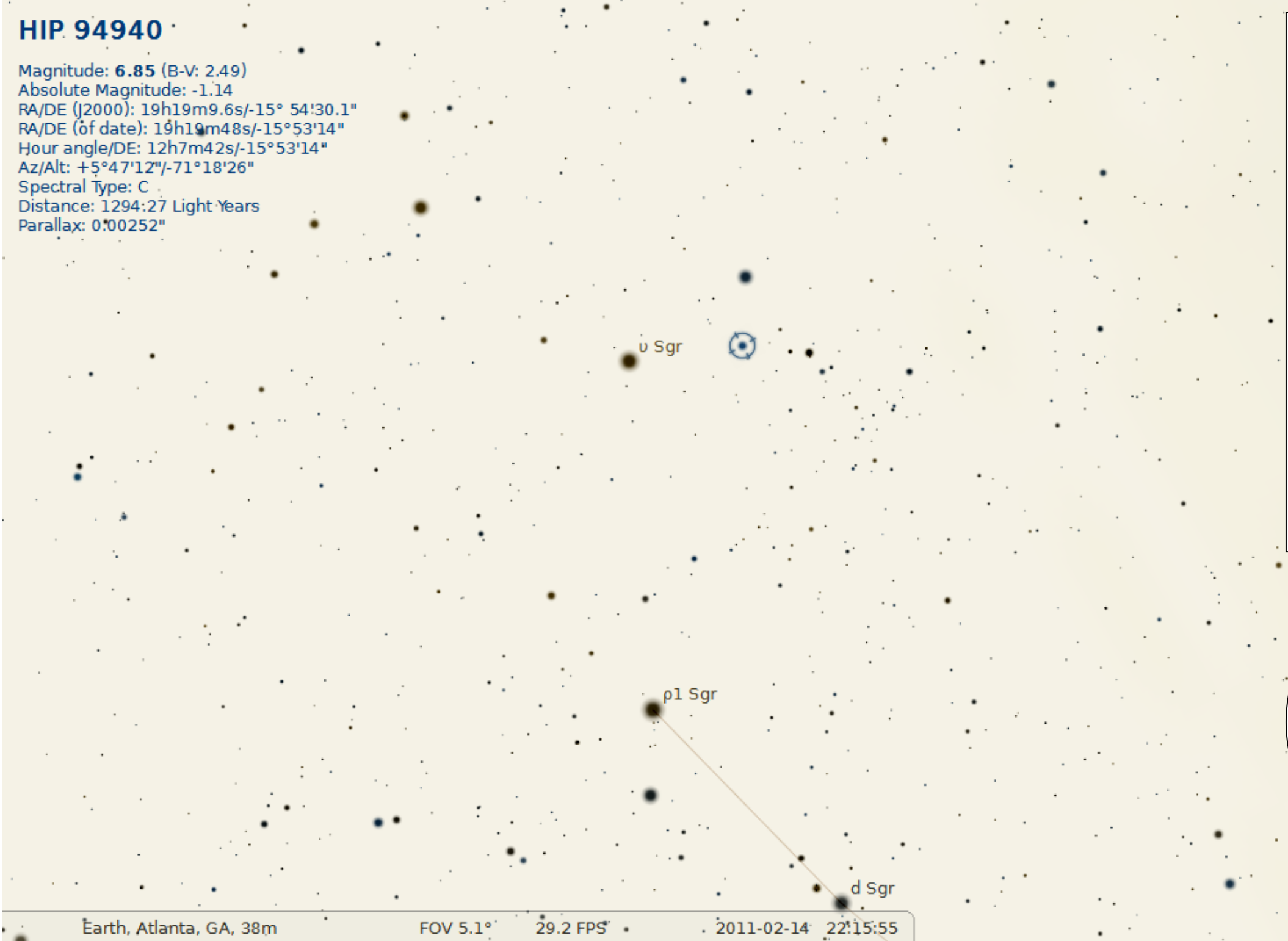
Description:

07'

M23

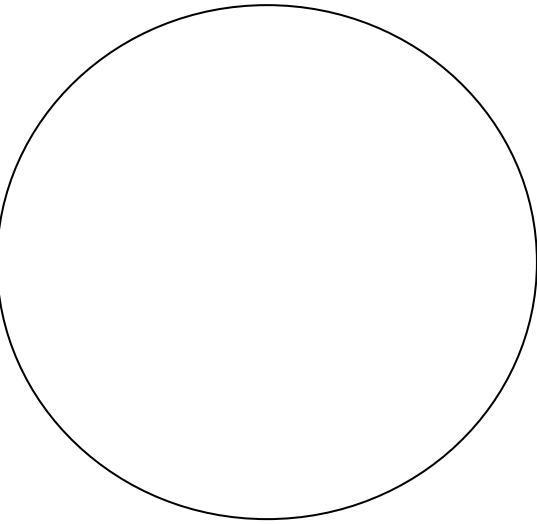
HIP 94940

Magnitude: 6.85 (B-V: 2.49)
Absolute Magnitude: -1.14
RA/DE (J2000): 19h19m9.6s/-15° 54'30.1"
RA/DE (of date): 19h19m48s/-15°53'14"
Hour angle/DE: 12h7m42s/-15°53'14"
Az/Alt: +5°47'12"/-71°18'26"
Spectral Type: C
Distance: 1294.27 Light Years
Parallax: 0.00252"



Object: V1942 Sagittarii

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

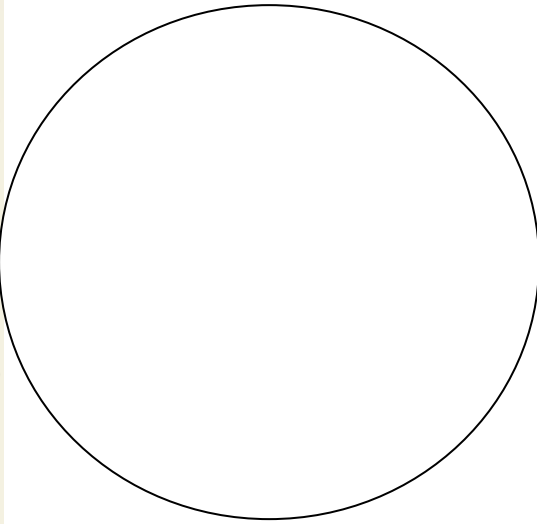
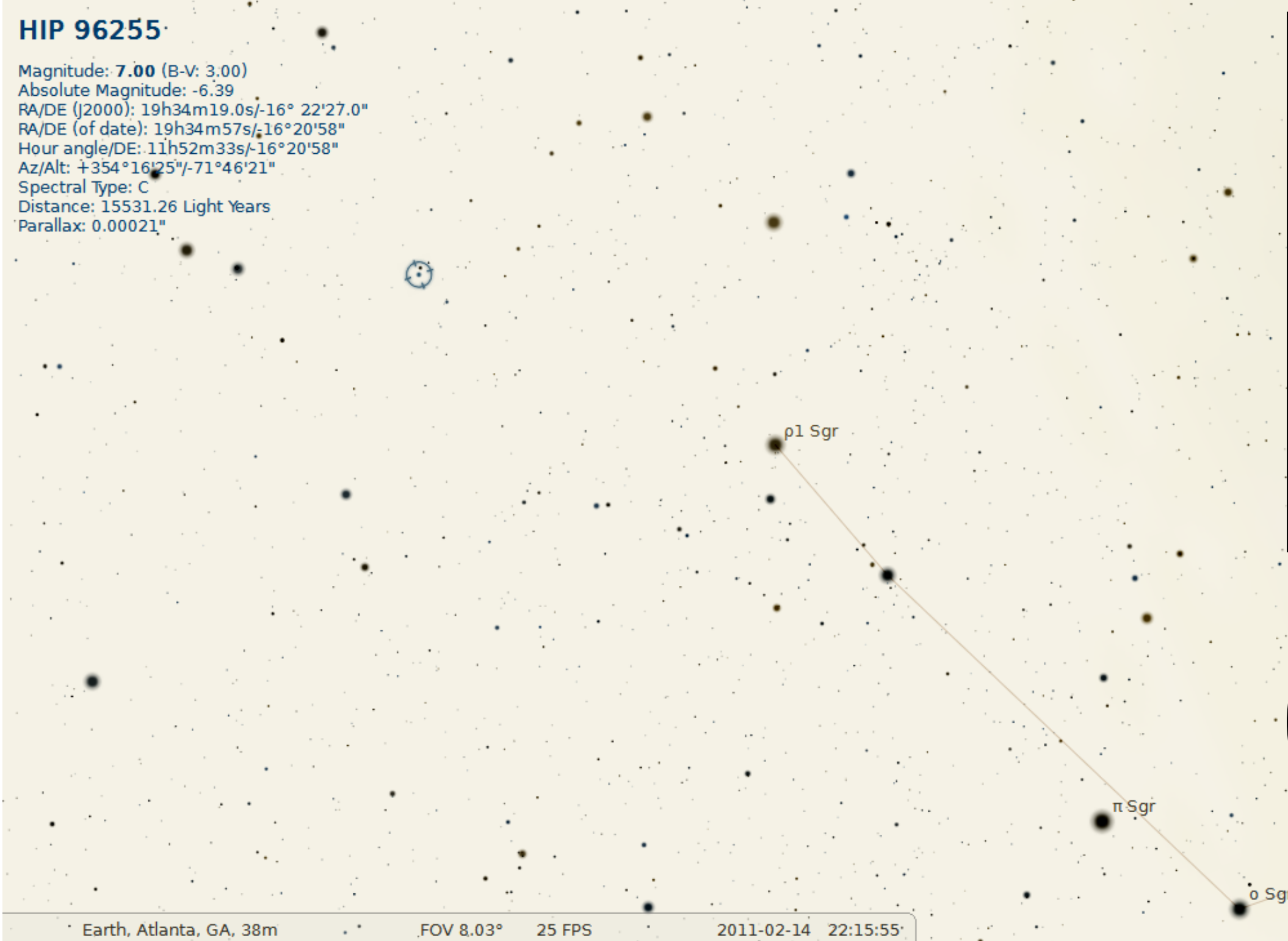


HIP 96255

Magnitude: 7.00 (B-V: 3.00)
Absolute Magnitude: -6.39
RA/DE (J2000): 19h34m19.0s/-16° 22'27.0"
RA/DE (of date): 19h34m57s/-16°20'58"
Hour angle/DE: 11h52m33s/-16°20'58"
Az/Alt: +354°16'25"/-71°46'21"
Spectral Type: C
Distance: 15531.26 Light Years
Parallax: 0.00021"

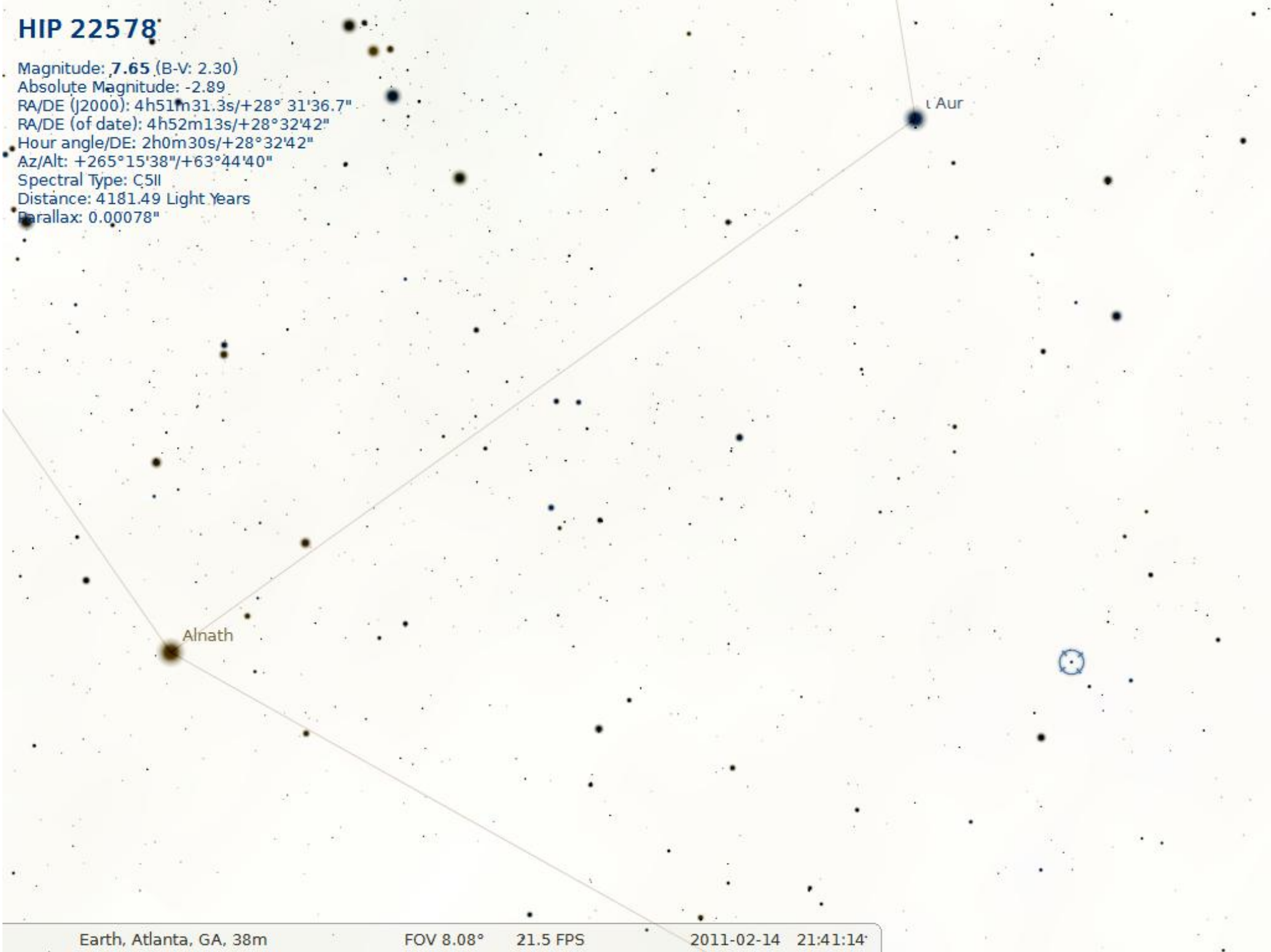
Object: AQ Sagittarii

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



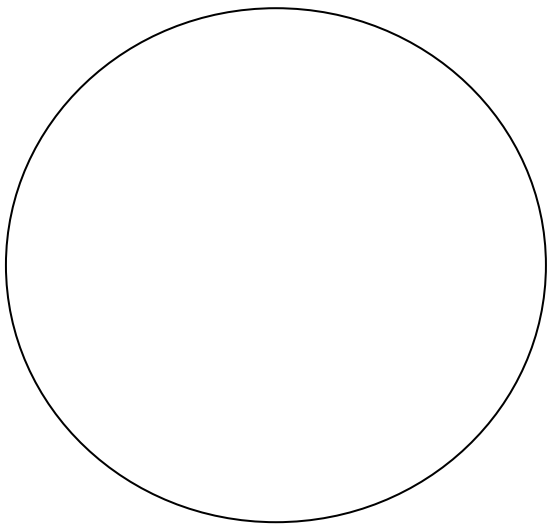
HIP 22578

Magnitude: 7.65 (B-V: 2.30)
Absolute Magnitude: -2.89
RA/DE (J2000): 4h51m31.3s/+28° 31'36.7"
RA/DE (of date): 4h52m13s/+28°32'42"
Hour angle/DE: 2h0m30s/+28°32'42"
Az/Alt: +265°15'38"/+63°44'40"
Spectral Type: C5II
Distance: 4181.49 Light Years
Parallax: 0.00078"



Object: TT Tau

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



HIP 27135 A

Magnitude: **8.90** (B-V: 3.41)
Absolute Magnitude: -0.85
RA/DE (J2000): 5h45m13.7s/+24° 25'12.4"
RA/DE (of date): 5h45m55s/+24°25'26"
Hour angle/DE: 1h6m48s/+24°25'26"
Az/Alt: +239°39'03"/+72°20'59"
Spectral Type: C5II
Distance: 2912.11 Light Years.
Parallax: 0.00112"

Object: TU Tau

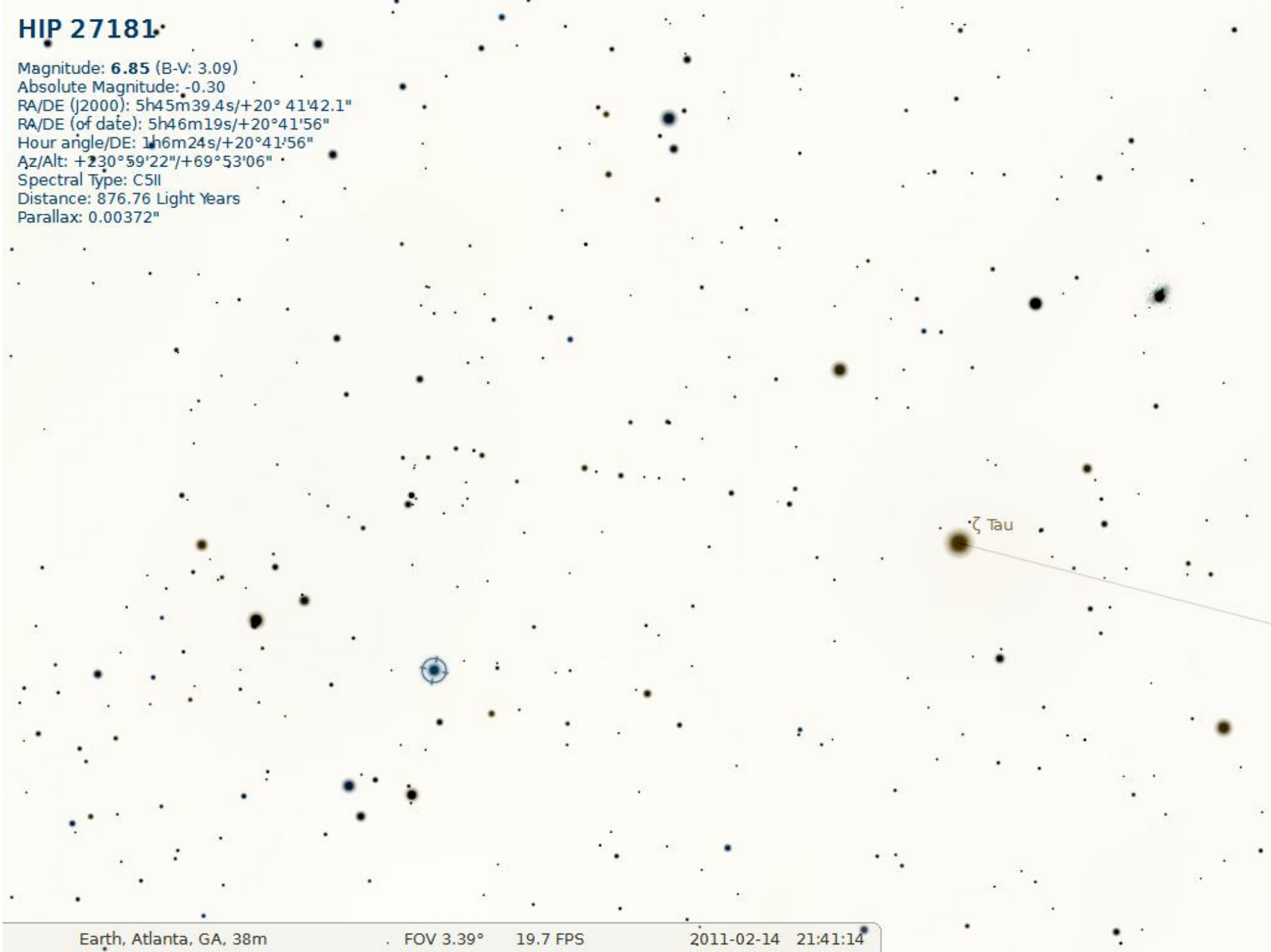
Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

132 Tau

ζ Tau

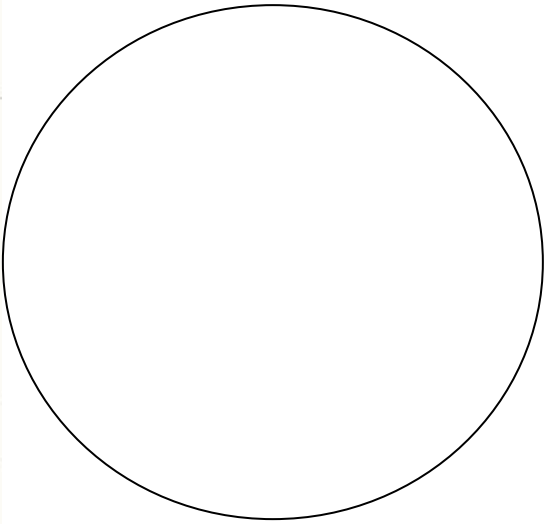
HIP 27181

Magnitude: 6.85 (B-V: 3.09)
Absolute Magnitude: -0.30
RA/DE (J2000): 5h45m39.4s/+20° 41'42.1"
RA/DE (of date): 5h46m19s/+20°41'56"
Hour angle/DE: 1h6m24s/+20°41'56"
Az/Alt: +230°59'22"/+69°53'06"
Spectral Type: C5II
Distance: 876.76 Light Years
Parallax: 0.00372"

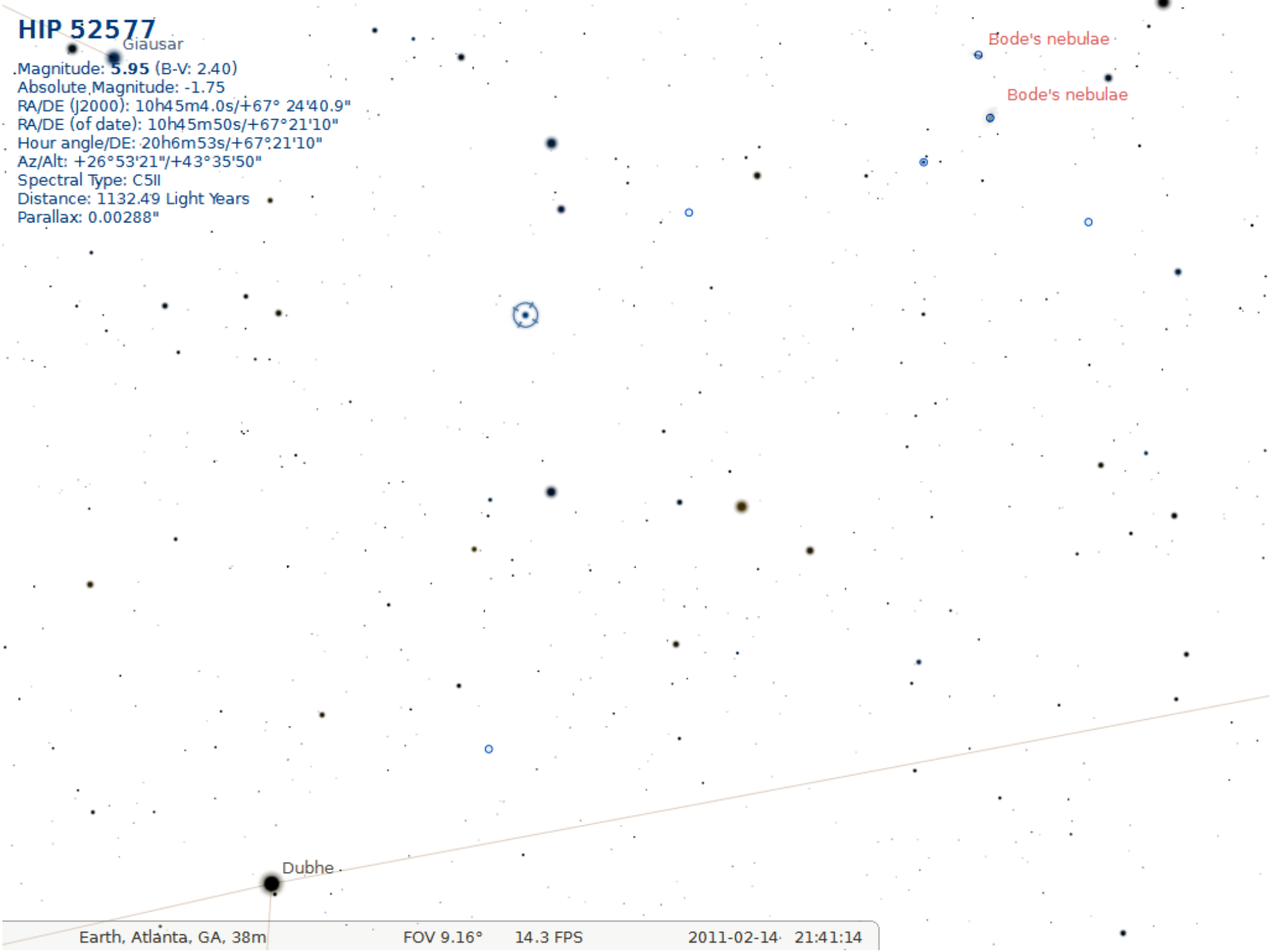


Object: Y Tau

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

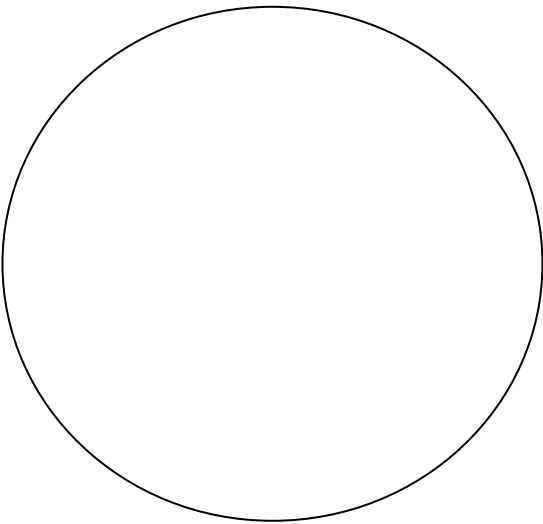


HIP 52577
Giasar
Magnitude: **5.95** (B-V: 2.40)
Absolute Magnitude: -1.75
RA/DE (J2000): 10h45m4.0s/+67° 24'40.9"
RA/DE (of date): 10h45m50s/+67°21'10"
Hour angle/DE: 20h6m53s/+67°21'10"
Az/Alt: +26°53'21"/+43°35'50"
Spectral Type: C5II
Distance: 1132.49 Light Years
Parallax: 0.00288"

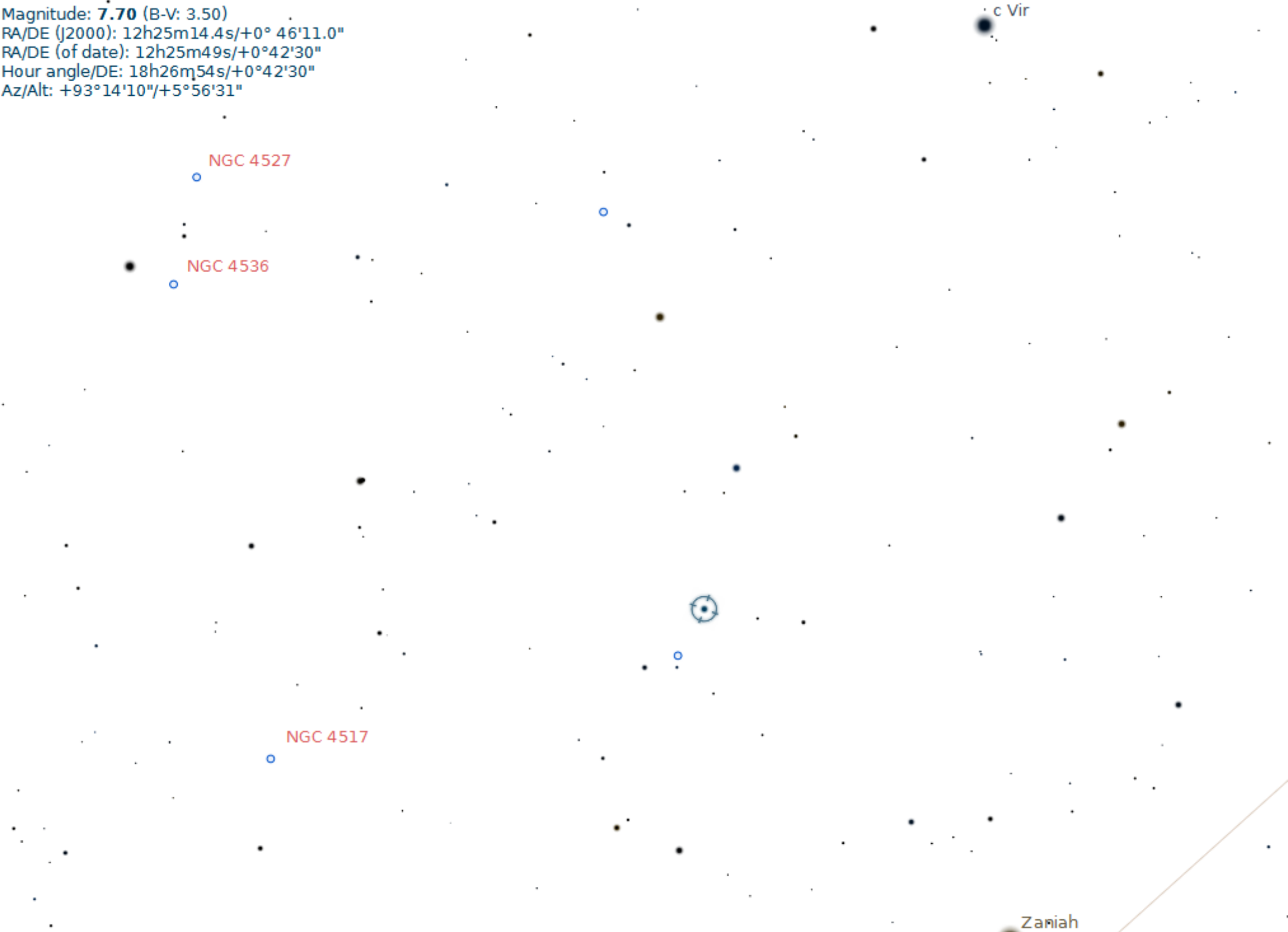


Object: VY Ursae Majoris

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

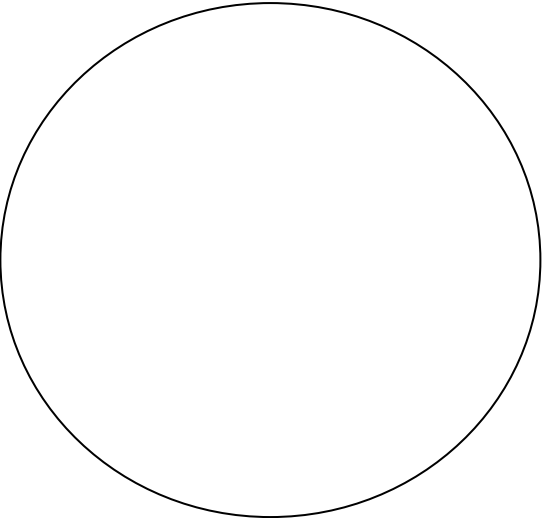


Magnitude: **7.70** (B-V: 3.50)
RA/DE (J2000): 12h25m14.4s/+0° 46'11.0"
RA/DE (of date): 12h25m49s/+0°42'30"
Hour angle/DE: 18h26m54s/+0°42'30"
Az/Alt: +93°14'10"/+5°56'31"



Object: SS Virginis

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:

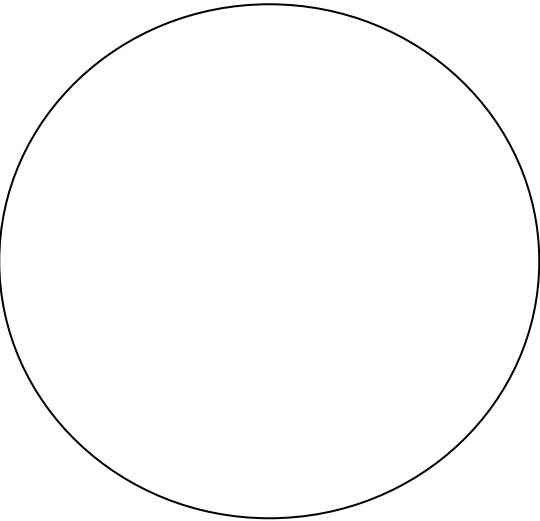
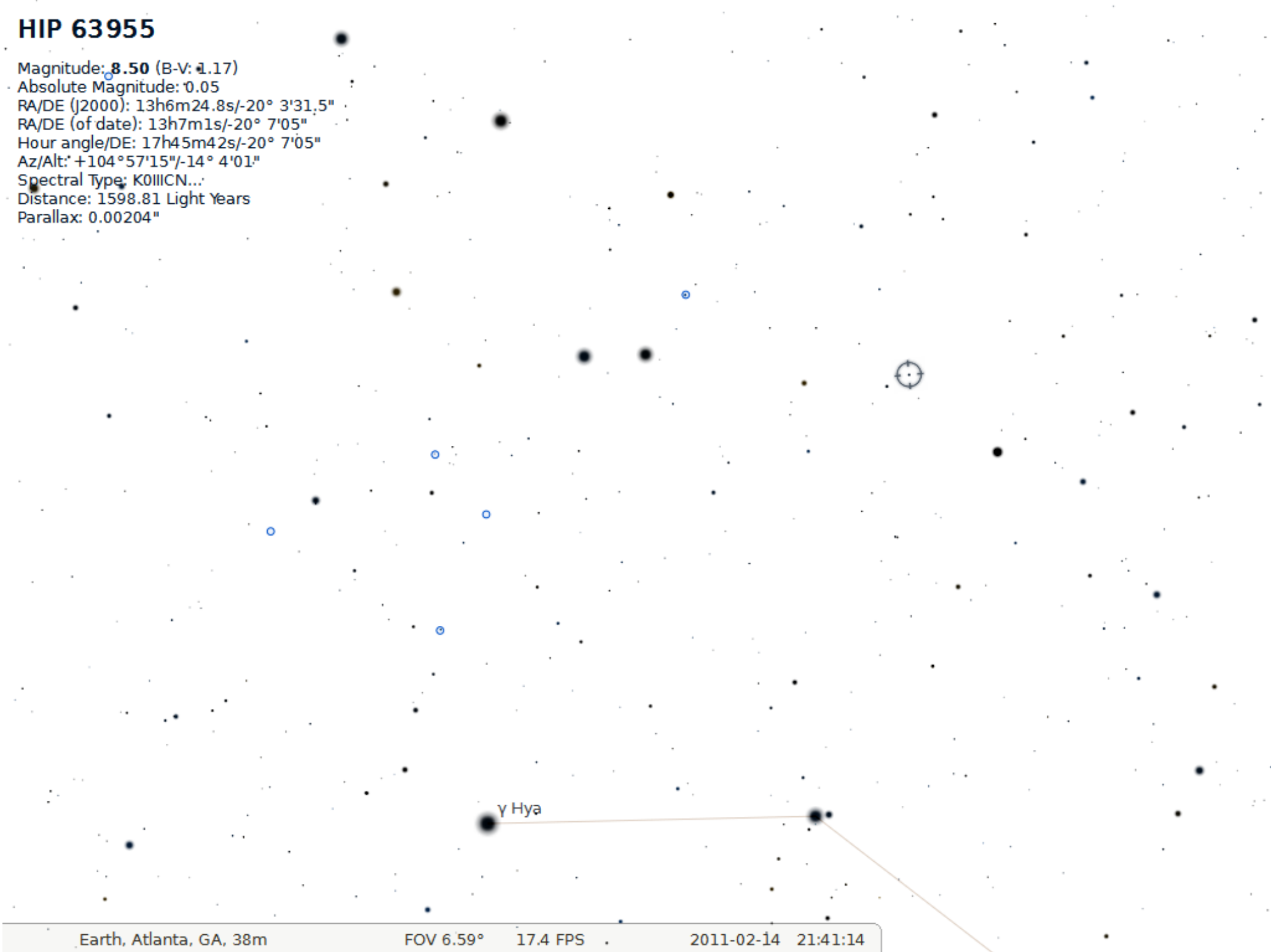


HIP 63955

Magnitude: 8.50 (B-V: 1.17)
Absolute Magnitude: 0.05
RA/DE (J2000): 13h6m24.8s/-20° 3'31.5"
RA/DE (of date): 13h7m1s/-20° 7'05"
Hour angle/DE: 17h45m42s/-20° 7'05"
Az/Alt: +104°57'15"/-14° 4'01"
Spectral Type: K0IIICN...
Distance: 1598.81 Light Years
Parallax: 0.00204"

Object: SAO 157721 Virgo

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



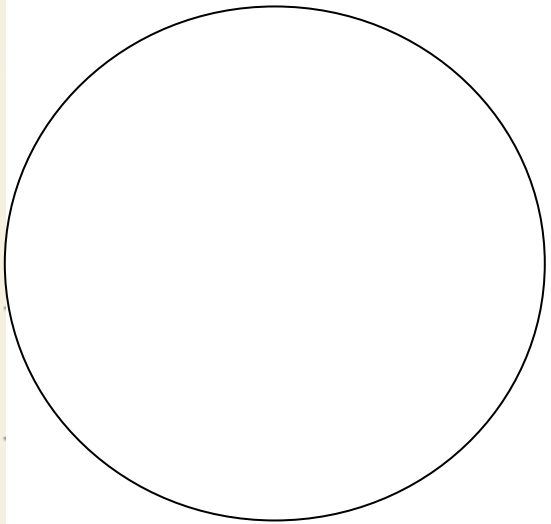
HIP 104486

Magnitude: 8.10 (B-V: 1.11)
Absolute Magnitude: 1.56
RA/DE (J2000): 21h9m59.2s/+26° 36'55.3"
RA/DE (of date): 21h10m28s/+26°39'39"
Hour angle/DE: 10h17m1s/+26°39'39"
Az/Alt: +334°49'20"/-24° 9'27"
Spectral Type: G9p
Distance: 661.57 Light Years
Parallax: 0.00493"

ζ Cyg

Object: NSV 13571 Vulpecula

Date:
Time:
Location (GPS):
Focal Length:
Eyepiece:
Magnification:
Transparency:
Seeing:
Light Pollution:
Description:



31 Vul