

PROPER MOTION OF THE BARNARD'S STAR IN STELLARIUM

Giulia Iafrate

INAF – Astronomical Observatory of Trieste

Start Stellarium

Download Stellarium from
<http://www.stellarium.org/>



The screenshot shows the Stellarium website homepage. At the top left is the Stellarium logo, which consists of a small square icon with a crescent moon and stars, followed by the word "stellarium" in a lowercase, sans-serif font. To the right of the logo is a screenshot of the Stellarium application window, showing a 3D rendering of a landscape with a field of yellow flowers in the foreground and a dark sky with a bright sun or moon on the horizon. Below the logo and screenshot is a text block describing Stellarium as a free open source planetarium. To the right of this text is a vertical list of four buttons: "for Linux (source)" with a Linux penguin icon, "for Mac OS X" with an Apple logo icon, "for Windows" with a Windows logo icon, and "user's guide" with a PDF icon. Below the main text block is a "view screenshots" link. The bottom of the page is divided into three columns: "features", "news", and "Sourceforge". The "features" column lists features for version 0.9.1, including a sky with 600,000 stars, extra catalogues, constellations, and nebulae. The "news" column has a date "06/06/2008" and a headline "A sneak peak at Stellarium 0.10.0 (development version)", followed by a short article snippet and a link. The "Sourceforge" column has a paragraph about Sourceforge and a list of links: "summary", "forum", "get support", "report bugs", and "request features".

 stellarium

Stellarium is a free open source planetarium for your computer. It shows a realistic sky in 3D, just like what you see with the naked eye, binoculars or a telescope. It is being used in planetarium projectors. Just set your coordinates and go.

[view screenshots](#)

[for Linux \(source\)](#)

[for Mac OS X](#)

[for Windows](#)

[user's guide](#)

features

in version 0.9.1

- sky
- default catalogue of over 600,000 stars
- extra catalogues with more than 210 million stars
- asterisms and illustrations of the constellations
- constellations for ten different cultures
- images of nebulae (full Messier catalogue)

news

06/06/2008

A sneak peak at Stellarium 0.10.0 (development version)

In recent weeks, Stellarium development has picked up a fair bit. Follow the link for an article describing some of the new features, and to see some screenshots.

<http://tinyurl.com/5ua84b> (1 comments)

17/01/2008

Sourceforge

Sourceforge is the central website where we collaborate on Stellarium, and where you can be heard too!

- [summary](#)
- [forum](#)
- [get support](#)
- [report bugs](#)
- [request features](#)

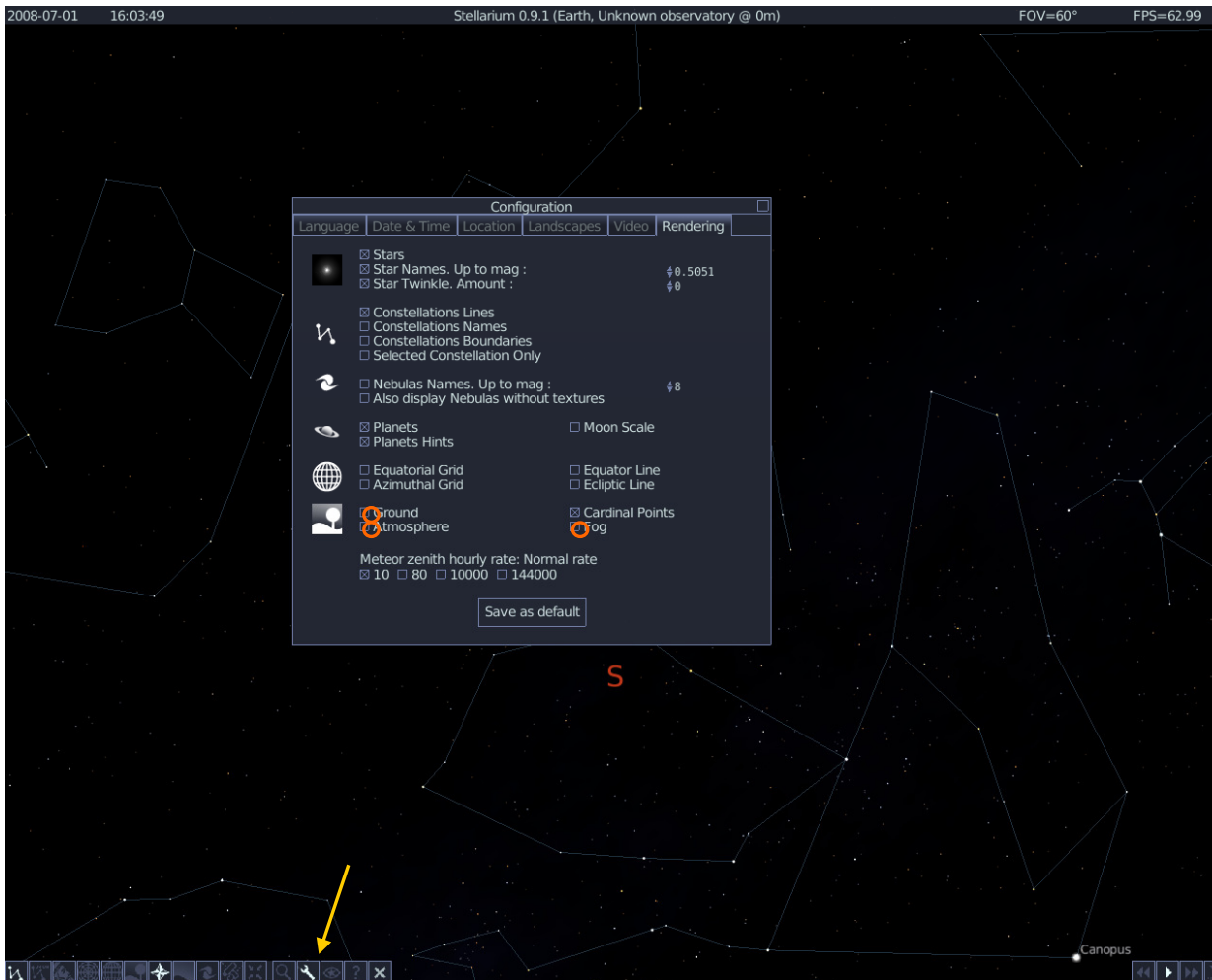
Configuration

Open the configuration window and uncheck:

- atmosphere

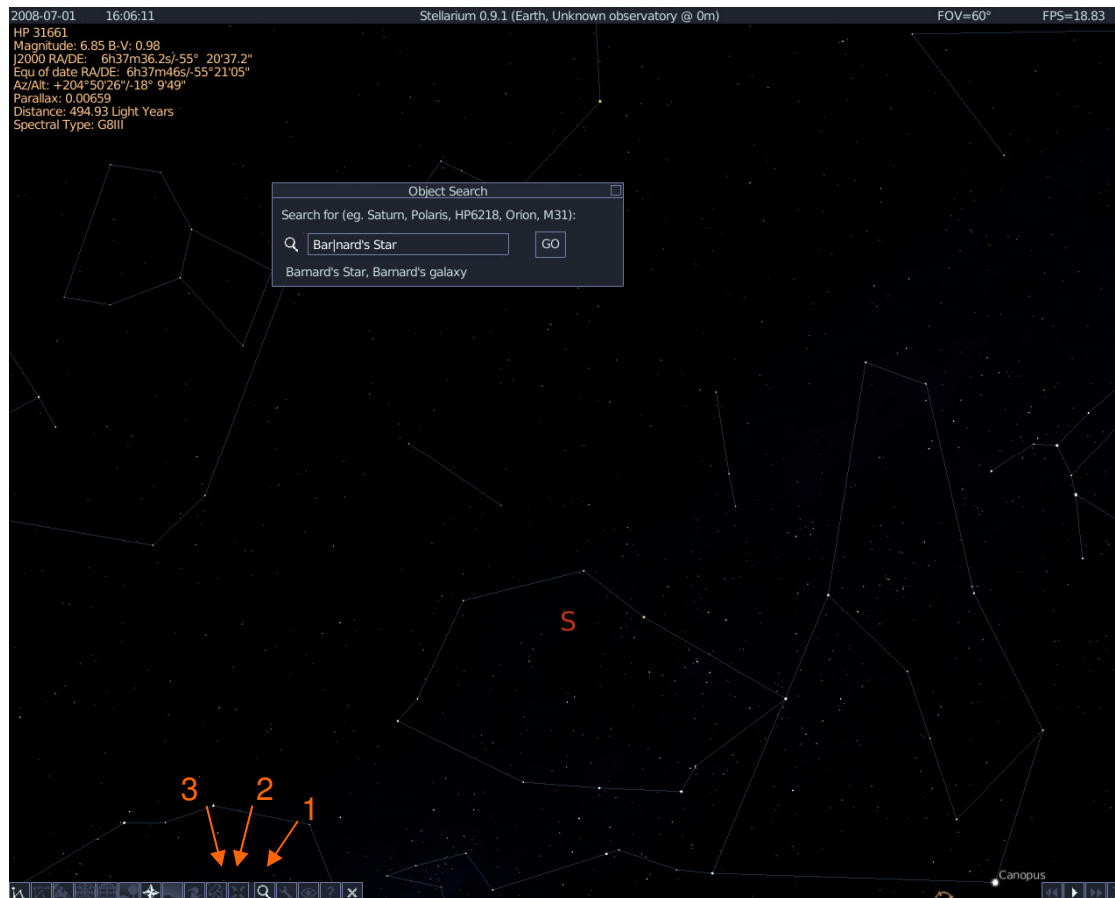
- ground

- fog



Select the Barnard's star

Open the object search window (1),
edit “barnard's star” and click “go”

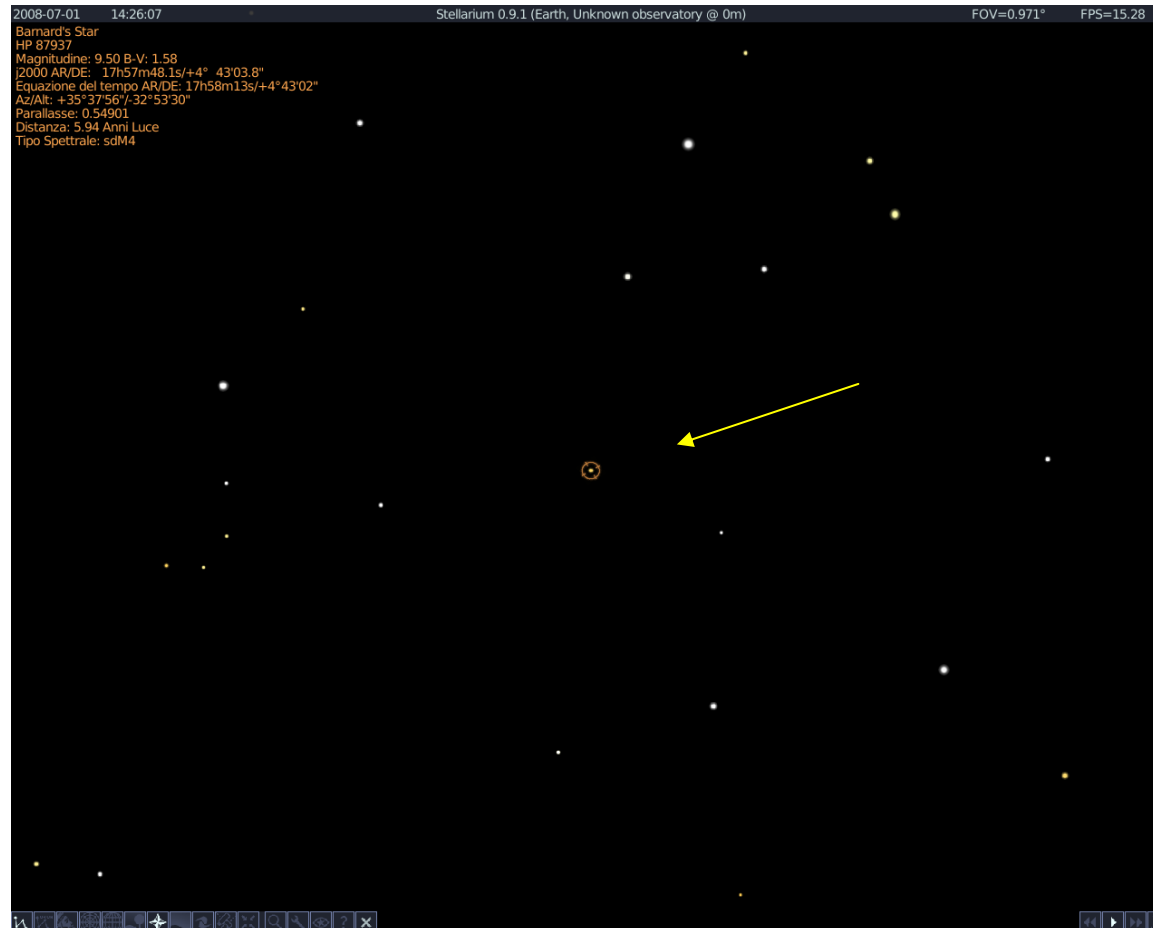


Select “go to
selected object” (2)

Switch to equatorial
mode (3)

Select the Barnard's star

Zoom in (pag up/down) up to see the Barnard's star in the crosshair



View the proper motion

Accelerate the time (click many times “j”) and view the proper motion of the Barnard’s star with respect the other field stars

