

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](#)

Downloads



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



[for Mac OS X](#)



[for Windows](#)



[user's guide](#)

features

in version 0.11.1

sky

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

- very realistic atmosphere, sunrise and sunset
- the planets and their satellites

interface

- a powerful zoom
- time control
- multilingual interface
- fisheye projection for planetarium domes
- spheric mirror projection for your own low-cost dome
- all new graphical interface and extensive keyboard control
- telescope control

visualisation

- equatorial and azimuthal grids
- star twinkling
- shooting stars
- eclipse simulation
- skinnable landscapes, now with spheric panorama projection

customizability

- plugin system adding artificial satellites, ocular simulation, telescope configuration and more
- ability to add new solar system objects from online resources...
- add your own deep sky objects, landscapes, constellation images, scripts...

wiki

The wiki is the place where stellarium users maintain all the knowledge about the program, and where you can contribute as well.

- [main page](#)
- [quickstart](#)
- [FAQ](#)
- [user's guide](#)
- [scripts](#)

news

2011/11/11

Stellarium 0.11.1 available for Ubuntu

Stellarium 0.11.1 is now available via a Launchpad PPA (Personal Package Archive) for all five currently supported versions of Ubuntu: from 10.04 LTS Lucid Lynx to the still-in-development 12.04

LTS Precise Pangolin.

Stellarium's Ubuntu Releases PPA can be found at Launchpad:

<https://launchpad.net/~stellarium/+archive/stellarium-releases>

To get the updated Stellarium packages, you need to add the following line to your system's Software Sources:

```
ppa:stellarium/stellarium-releases
```

This can be done either in the Software Center, the Synaptic package manager or the command line. After that, install or update Stellarium as you do normally.

To add the repository via the command line, open a terminal and run the following commands:

```
sudo add-apt-repository ppa:stellarium/stellarium-releases
```

```
sudo apt-get update
```

2011/11/11

Stellarium Daily Builds for Ubuntu

If you are an Ubuntu user and you wish to test the very latest development code, Stellarium now provides a Daily Builds PPA:

<https://code.launchpad.net/~stellarium/+archive/daily>

The packages are built directly from the latest version of the development code. They are updated once per day or less often, if there are no changes to the code.

WARNING! These packages are UNSTABLE! Use them at your own risk. At the very least, don't use them if you don't know how to downgrade Stellarium's package to a previous version.

2011/11/04

Stellarium 0.11.1 has been released!

The Stellarium team is proud to announce the release of version 0.11.1. This is an important bug fix release closing more than 20 bugs in the main application and in the plug-ins. It also brings small GUI usability improvements. A huge thanks to all community bug reporters who helped us a lot finding bugs! You can find the full list of changes the change log.

We have updated the configuration file and the Solar System file, so if you have an existing Stellarium installation, you need to reset the settings after you install the new version.

2011/07/22

Stellarium in SOCIS 2011

Are you a student looking for an exciting summer job? Get paid this summer to work on Stellarium!

We were selected to be a mentoring organization for the ESA Summer of Code in Space 2011: a program funding european students for working on astronomy open source projects. Please review our ideas page and submit your application on <http://sophia.estec.esa.int/socis2011/?q=node/13>

Hurry up! The application deadline is on July 27th at 11am UTC

2011/05/05

Discover the SVMT Plugin

SVMT standing for "Survey Visualization and Monitoring Tool" is a plugin for Stellarium which allows astronomers at ESO to monitor the progression and completion of large sky surveys.

Fabien posted a description of this plugin with videos on his blog at <http://goo.gl/LIuj3>

collaborate

You can learn more about Stellarium, get support and help the project from these links:

- [summary](#)
- [forum](#)
- [get support](#)
- [report bugs, request new features](#)
- [older releases](#)
 - [for Linux \(source\)](#)
 - [for Mac OSX](#)
 - [for Windows](#)

bzr

The latest development snapshot of Stellarium is kept in Bazaar, a distributed revision control system. If you want to compile development versions of Stellarium, this is the place to get the source code.

- [browse Bazaar](#)
- [instructions \(wiki\)](#)

irc

Real time chat about Stellarium can be had in the [#stellarium](#) IRC channel on the [freenode](#) IRC network. Use your favorite IRC client to connect to chat.freenode.net or try the [web-based interface](#).

supporters and friends

Stellarium is produced by the efforts of the developer team, with the help and support of the [following](#)

[people and organisations](#)

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