

Using Stellarium to Find and Image Deep-Sky Objects



STARTING YOUR RESEARCH!

The Las Cumbres Observatory (LCO) network of telescopes located at sites all around the world enable us to take images of deep-sky objects like Messier objects. Messier objects are a collection of 110 astronomical objects cataloged by the 18th Century French astronomer Charles Messier while he was searching for comets. One of those objects is Messier 16, also known as “The Eagle Nebula”.

To learn more about your object, open your Internet Browser and search for Messier 16 (M16).

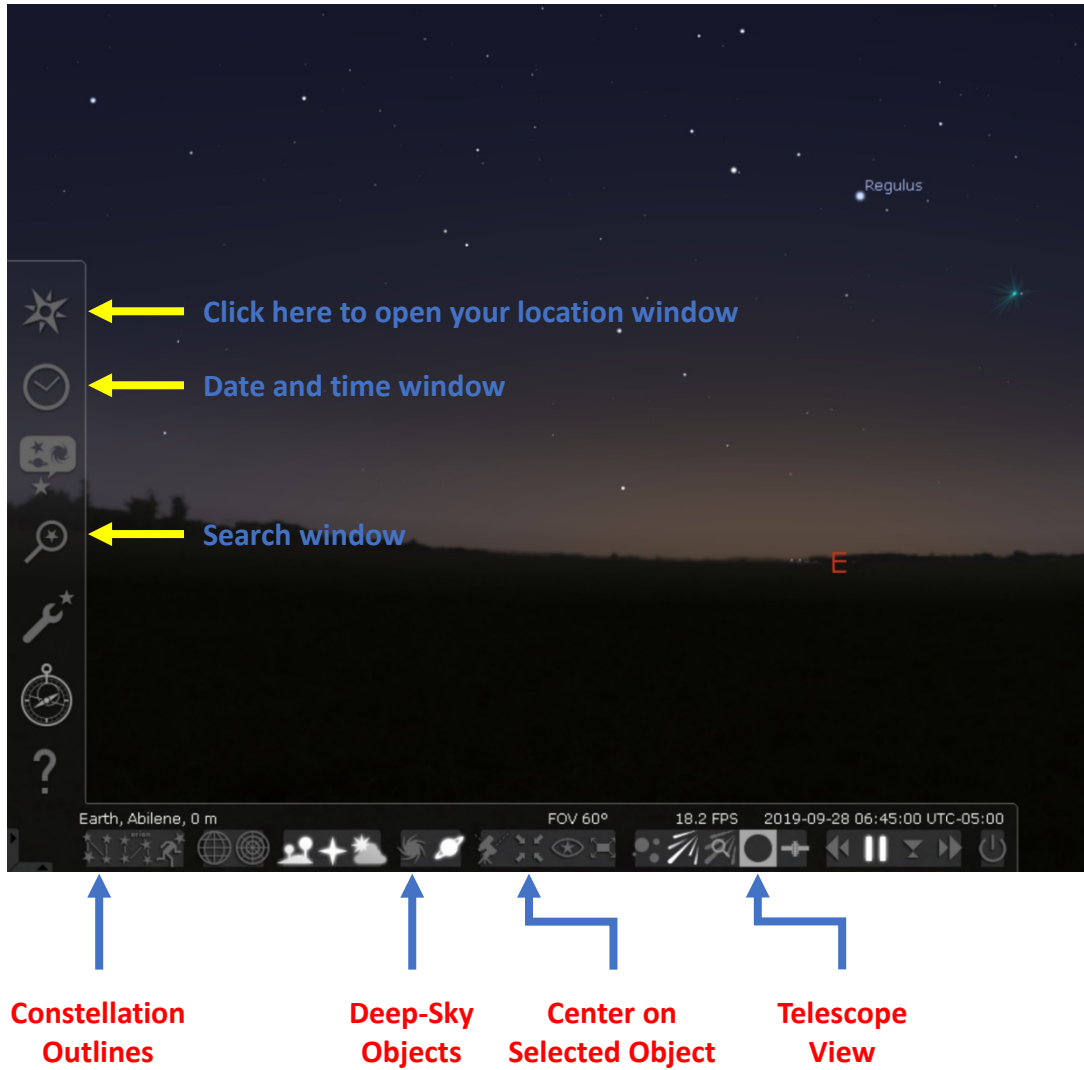


Wikipedia (<https://www.wikipedia.org/>) is a good source for information. Open the Wikipedia page and begin reading about this object, find out what this object is and what constellation it is located in.

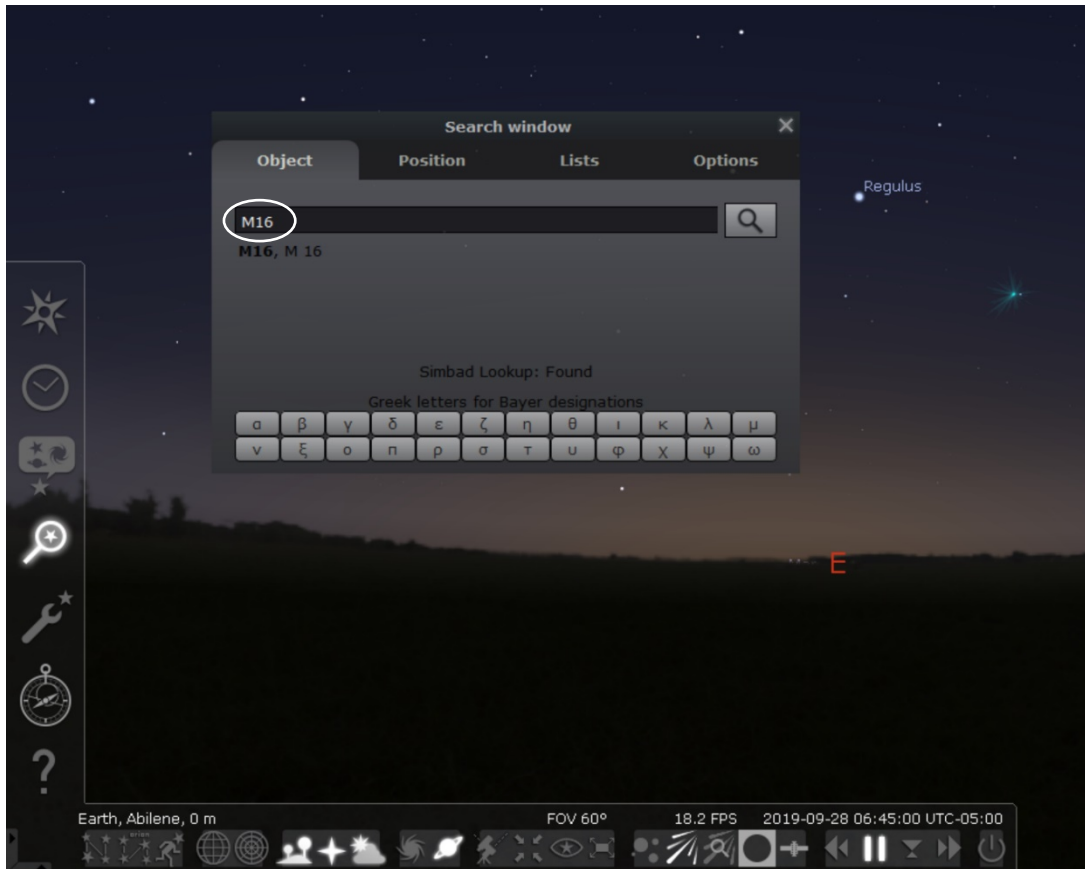
Then go to the IASC website <http://iasc.cosmosearch.org/LCO.html> to download the necessary instruction guide (Our Solar Siblings guide on taking an image) and Stellarium.

1. Open Stellarium and familiarize yourself with the Icons.

Stellarium



2. Type M16 in the search window as shown in the image then press Enter.



3. Depending on your local time, you may have to move the sky and zoom in to see M16 above the horizon.



4. Go to the IASC website <http://iasc.cosmosearch.org/LCO.html> and request an image of M16 by following the “How to take Images through Our Solar Siblings” guide.

I A S C

International Astronomical Search Collaboration

Welcome to the 100 Hours for 100 Schools Project!

Visit the link below to acquire images through the 100-for-100 LCO Collaboration program. You will be emailed when your images are ready to be collected.

If you are interested in participating in the 100-for-100 project, please contact IASC at: iascsearch@lsu.tx.edu.



Our Solar Siblings

Fill out the form to take your images.
Take Images



Google Drive

Click the Drive Link provided by email to access your images.

OR



LCO Login

Login to collect your images.
Collect Images

100-for-100 Instructions

Download these files for step-by-step instructions on how to take and retrieve images.



[How to Take Images Through Our Solar Siblings](#)

[How to Retrieve Images From Google Drive](#)

[How to Retrieve Images From the LCO Portal](#)

Additional Programs

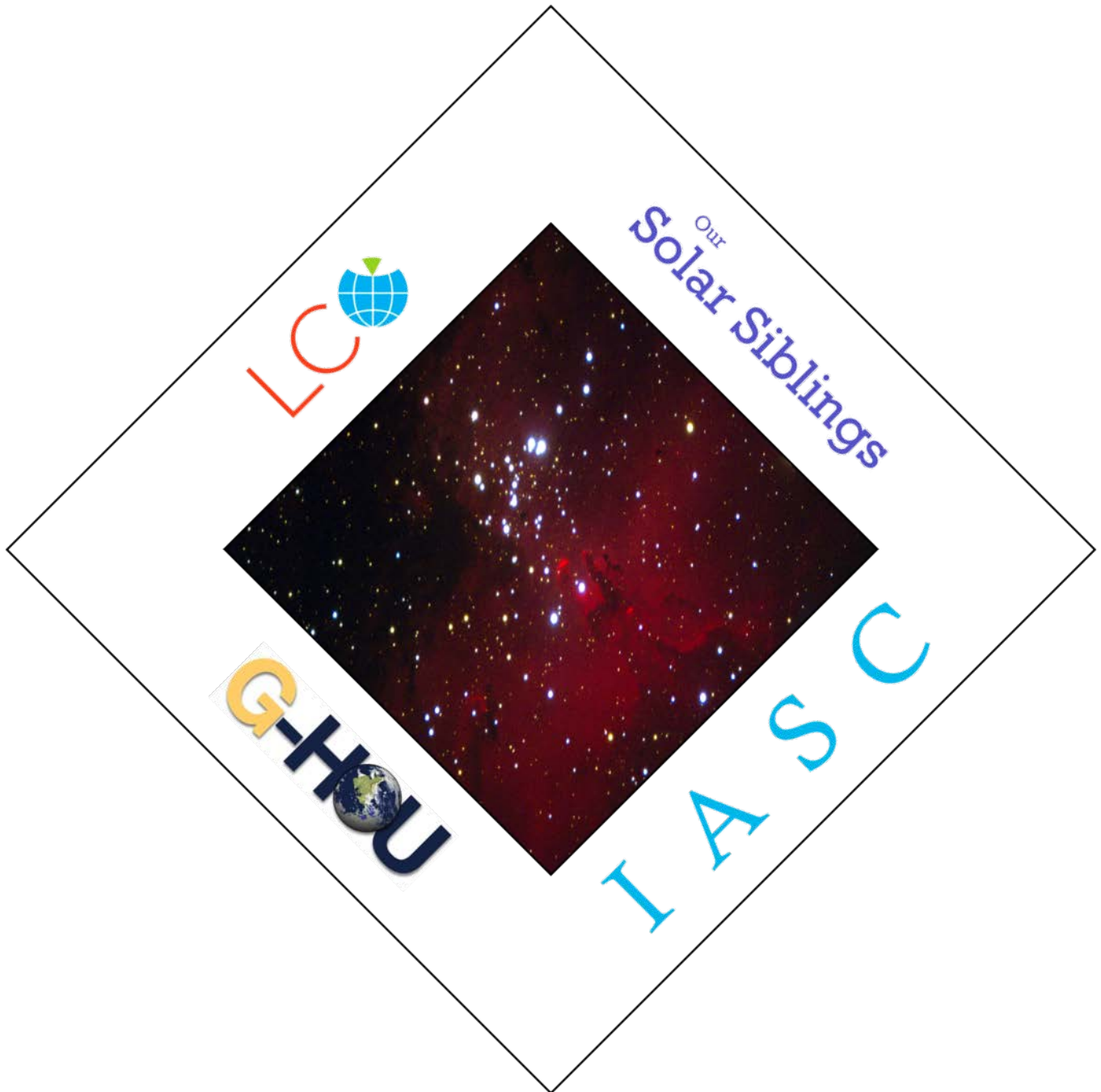
The following programs are available for use in this project.

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- ▶ Home
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**Click here to
Take your Image**

Go Discover



LCO Image of M16, "The Eagle Nebula"