



The Astronomical
Society of Edinburgh

The ASE 24 Tour in Stellarium

User Guide v2.00 by Neil Martin

Credit: NASA, ESA, and STScI

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Introduction to Stellarium

- Stellarium is planetarium software
- It is “open source”, and is freely available
- It runs on Windows, MacOS, Linux
- The source code is also freely available
- There is an online, browser-based version
- There are mobile paid apps, named Standard and Plus
- See: stellarium.org



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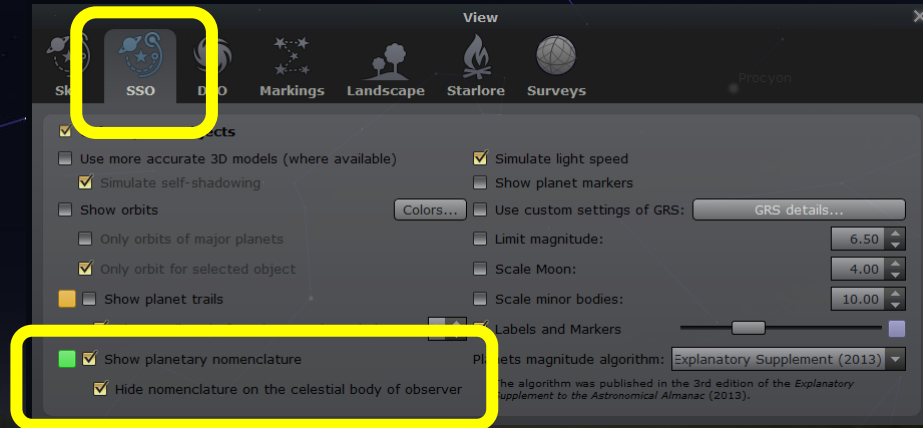
Stellarium Setup – part 1



- Download the version for your system – v0.20 minimum
- Run the installer, then start Stellarium
- Hit F4 to open ‘Sky/Viewing Options’
- Go to the ‘SSO’ tab

Enable ‘Show planetary nomenclature’

Close the ‘View’ window



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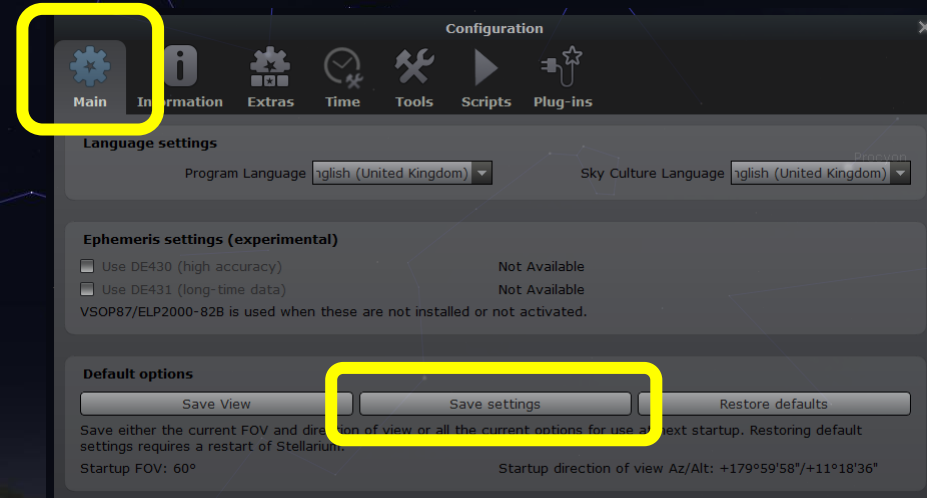
Stellarium Setup – part 2

- Hit F2 to open 'Configuration'

- Go to the 'Main' tab

Click the 'Save settings' button

Close the 'Configuration' window



The ASE 24 Observing List for Beginners



- A simple list of observable objects
- Numbered for the founding year of 1924
- Provides a starting point in astronomy
- Contains interesting/easy to observe objects
- Split into 6 parts, containing similar objects
- See: astronomyedinburgh.org/ase-24

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The ASE 24 Tour in Stellarium



- Stellarium provides a scripting engine
- It is possible to navigate through space and time by running a script!
- The ASE have created the 'ASE 24 Tour' using Stellarium scripts to enable you to take a guided virtual tour of this observing list!

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ASE 24 Tour Setup – part 1

- The ZIP file contains 2 folders
- Documentation – contains this User Guide
- Scripts – contains the script files

- Unzip to any folder location on your system



Name	Status	Date modified	Type	Size
ase24.ssc	✓	04/05/2020 00:35	Stellarium Script	1 KB
ase24_common_functions.inc	✓	02/05/2020 23:48	INC File	10 KB
ase24_part1.ssc	✓	02/05/2020 22:48	Stellarium Script	1 KB
ase24_part1_objects.inc	✓	02/05/2020 22:48	INC File	4 KB
ase24_part2.ssc	✓	02/05/2020 22:41	Stellarium Script	1 KB
ase24_part2_objects.inc	✓	02/05/2020 22:41	INC File	2 KB
ase24_part3.ssc	✓	02/05/2020 22:33	Stellarium Script	1 KB
ase24_part3_objects.inc	✓	02/05/2020 22:33	INC File	2 KB
ase24_part4.ssc	✓	02/05/2020 18:11	Stellarium Script	1 KB
ase24_part4_objects.inc	✓	02/05/2020 18:14	INC File	2 KB
ase24_part5.ssc	✓	02/05/2020 18:03	Stellarium Script	1 KB
ase24_part5_objects.inc	✓	02/05/2020 18:03	INC File	2 KB
ase24_part6.ssc	✓	02/05/2020 17:56	Stellarium Script	1 KB
ase24_part6_objects.inc	✓	02/05/2020 17:48	INC File	2 KB

ASE 24 Tour Setup – part 2



- Optional:

Copy all of the script files to the Stellarium scripts folder
Usually at: ... \Program Files \Stellarium \scripts

Name	Status	Date modified	Type	Size
ase24.ssc	✓	04/05/2020 00:35	Stellarium Script	1 KB
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ase24_part2.ssc	✓	02/05/2020 22:41	Stellarium Script	1 KB
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ase24_part3.ssc	✓	02/05/2020 22:33	Stellarium Script	1 KB
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ase24_part4.ssc	✓	02/05/2020 18:11	Stellarium Script	1 KB
ase24_part4_objects.inc	✓	02/05/2020 18:14	INC File	2 KB
ase24_part5.ssc	✓	02/05/2020 18:03	Stellarium Script	1 KB
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ase24_part6.ssc	✓	02/05/2020 17:56	Stellarium Script	1 KB
ase24_part6_objects.inc	✓	02/05/2020 17:48	INC File	2 KB

Name	Date modified	Type	Size
tests	02/05/2020 15:45	File folder	
analemma.ssc	03/03/2019 18:44	Stellarium Script	2 KB
bennett.ssc	20/01/2019 15:25	Stellarium Script	6 KB
best_ngc.ssc	31/03/2019 22:27	Stellarium Script	3 KB
binocular_highlights.ssc	02/02/2019 14:37	Stellarium Script	11 KB
binosky.ssc	20/01/2019 15:25	Stellarium Script	2 KB
common_objects.inc	20/01/2018 16:35	INC File	5 KB
constellations_tour.ssc	17/02/2019 15:14	Stellarium Script	2 KB
double_stars.ssc	20/01/2019 15:25	Stellarium Script	6 KB
earth_1.ssc	20/01/2018 16:35	Stellarium Script	9 KB
earth_2.ssc	20/01/2018 16:35	Stellarium Script	993 KB
earth_3.ssc	20/01/2018 16:35	Stellarium Script	1,636 KB



Taking the Tour – Option 1

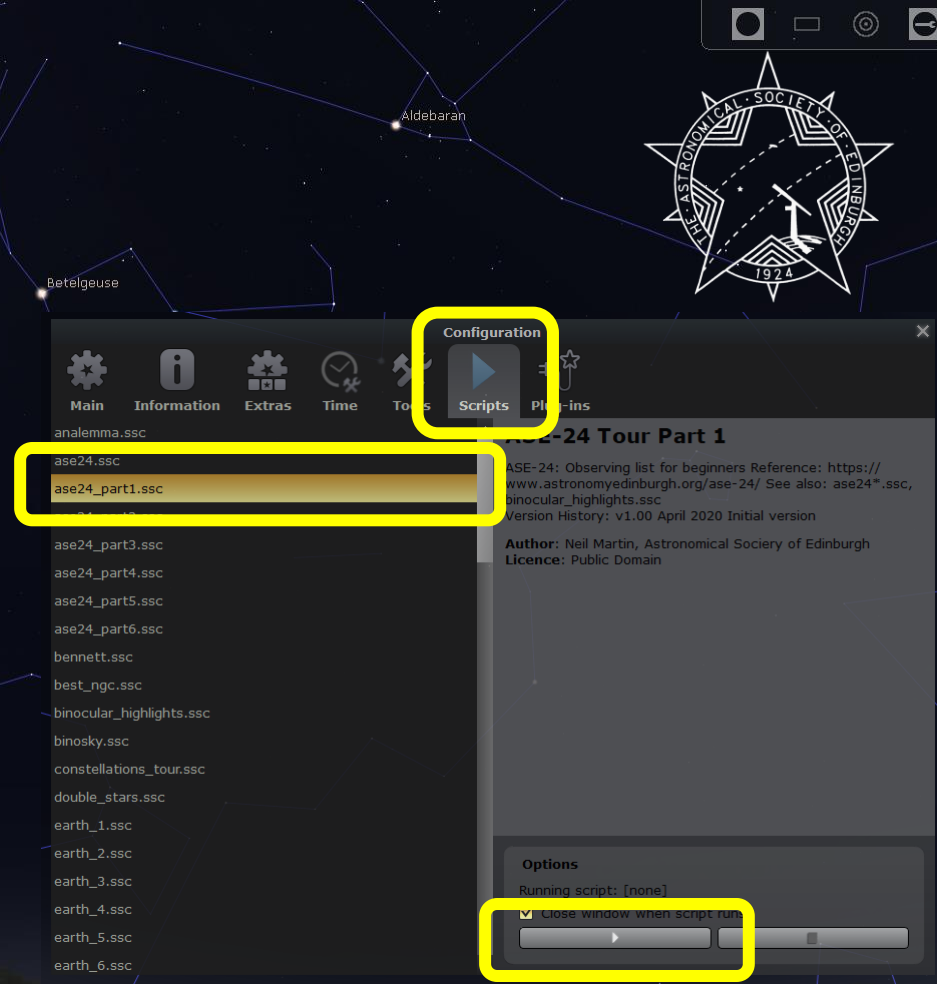
- Run a script file on your system
- Navigate to the scripts folder you created earlier
- Double click any one of the script files (with a file extension of .ssc – Stellarium Script)
- Stellarium will launch and run the script
- You can run the 'trailer' script, the entire tour script, or any one of the 6 script parts in isolation



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ase24_part6_objects.inc	✓	02/05/2020 17:48	INC File	2 KB

Taking the Tour – Option 2

- Play a script in Stellarium
IF you copied the files to the scripts folder in Stellarium
- Run Stellarium
Hit F2 to open 'Configuration'
Go to the Scripts tab
Select any 'ase24' file
Click the 'Play' button
- You can run the 'trailer' script, the entire tour script, or any one of the 6 script parts in isolation



Enjoy and Get in Touch!

- Hope you enjoy the tour!
- Please submit your feedback and questions via the ASE website using the 'Get in touch' page
- See: astronomyedinburgh.org/get-in-touch



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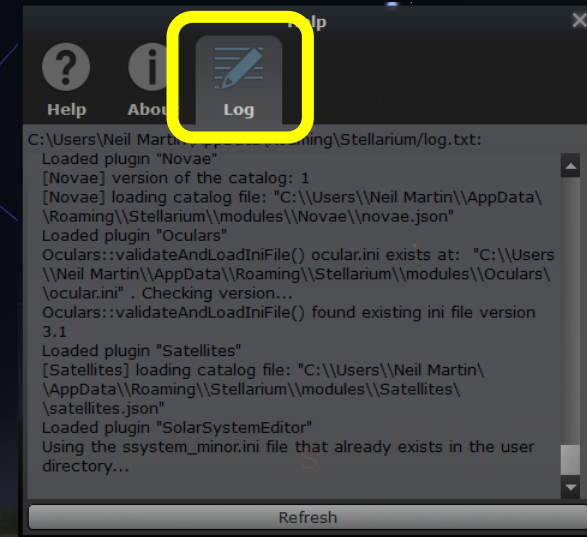
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Troubleshooting – Step 1

- Using either method, the script should 'run' immediately and start to display four messages
- If not, help is at hand
- Keep Stellarium open
Hit F1 to open 'Help'
Go to the Log tab
- Review any error messages which may help you to diagnose the problem

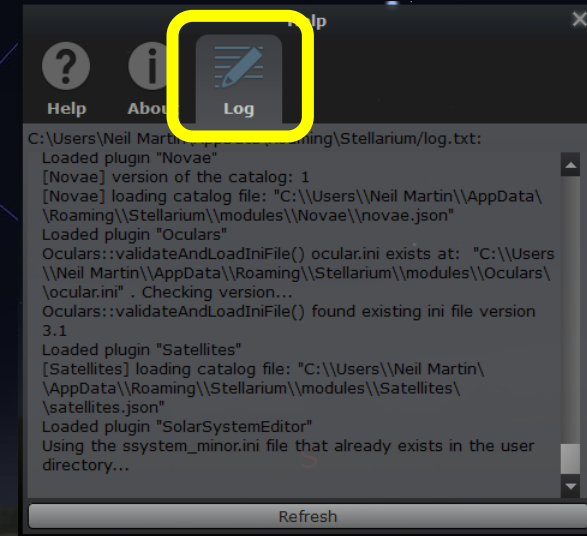


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Troubleshooting – Step 2

- If this information does not help you, then please do get in touch with us
- We'll ask you to send the Log text, as follows:
- Click anywhere in the text area
- Hit Ctrl-A to select all of the text
Hit Ctrl-C to copy it
- In the 'Get in touch' form, hit Ctrl-V to paste the text into the 'Your Message' area on the form



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