# Objects

Use ⌘ in place of Ctrl on macOS

| | |
|---|---|
| Stars: | s |
| Star Labels: | Alt-s |
| Planets: | p |
| Planet Labels: | Alt-p |
| Milky Way: | m |
| Deep Sky Objects: | d, n |
| Exoplanets: | Ctrl – Alt - e |
| Pulsars: | Ctrl – Alt - p |
| Meteor Shower: | Ctrl- ⇧M |
| Radiant Labels: | ⇧M |

# Constellations & Asterisms

| | |
|---|---|
| Constellation Lines: | c |
| Constellation Names: | v |
| Constellation Art: | r |
| Constellation Boundary: | b |
| Wipe selection of Constellations: | w |
| Show all constellations: | Alt-w |
| Asterism Lines: | Alt-a |
| Asterism Labels: | Alt-v |

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# Function Keys

| | |
|---|---|
| F1: | Help menu |
| F2: | Configuration menu |
| F3: | Search Window |
| F4: | View menu |
| F5: | Date and Time menu |
| F6: | Location menu |
| F7: | Keyboard shortcuts |
| F10: | Astronomical calcs |
| F11: | Toggle Full Screen |

# Field of View

You must enable the *Field of View* Plug-in and restart.
Ctrl-Alt is ⌘-alt on macOS.

| | |
|---|---|
| Ctrl-Alt-1 / ⌘ -alt-1: | 180° |
| Ctrl-Alt-2 / ⌘ -alt-2: | 90° |
| Ctrl-Alt-3 / ⌘ -alt-3: | 60° |
| Ctrl-Alt-4 / ⌘ -alt-4: | 45° |
| Ctrl-Alt-5 / ⌘ -alt-5: | 20° |
| Ctrl-Alt-6 / ⌘ -alt-6: | 10° |
| Ctrl-Alt-7 / ⌘ -alt-7: | 5° |
| Ctrl-Alt-8 / ⌘ -alt-8: | 2° |
| Ctrl-Alt-9 / ⌘ -alt-9: | 1° |
| Ctrl-Alt-0 / ⌘ -alt-0: | 0.5° |

# Pan, Tilt, Zoom

| | |
|---|---|
| Pan & Tilt: | Left mouse drag |
| Zoom in/out: | Scroll Wheel |
| Select Obj: | Left mouse click |
| Space Bar: | Center on Obj |
| Zoom in: | Page-Up / ⌘-↑ |
| Zoom out: | Pg-down / ⌘-↓ |
| Zoom in on selected: | / |
| Zoom out default FOV: | \ |

**Lower Left corner menus**

| | |
|---|---|
| Left side: | configuration |
| Bottom: | display and time |

# Time

| | |
|---|---|
| Decrease time rate: | j |
| Normal time rate: | k |
| Increase time rate: | l (*ell*) |
| Slightly faster/slower: | ⇧L / ⇧J |
| Reverse time rate: | 0 (*zero*) |
| Stop all motion: | 7 |
| Go to NOW: | 8 |
| Add one solar day: | = |
| Back one solar day: | – |
| Add 7 solar days: | ] |
| Back 7 solar days: | [ |
| Add 1 solar hour: | Ctrl+ / ⌘+ |
| Back 1 solar hour: | Ctrl- / ⌘– |

# View

| | |
|---|---|
| Atmosphere: | a |
| Ground: | g |
| Fog: | f |
| DSO images: | i |
| Pan around: | Arrow keys |
| Jump to: | ⇧N, ⇧S, ⇧E, ⇧W, ⇧Z |
| Toggle full screen: | F11 |
| GUI on/off: | Ctrl-t / ⌘-t |
| Screenshot: | Ctrl-s / ⌘-s |
| Home (Reset ALL): | Ctrl-h / ⌘-h |
| Exit/Quit: | Ctrl-q / ⌘-q |

# Stellarium

*Vade Mecum*

(for Stellarium 24.3)
29 October 2024

*Downloads and documentation at www.stellarium.org*

Notes

Upper and lower case are different!
⇧ means hold down the SHIFT key

On macOS, "alt" is "option" (or ⌥).
On macOS, use ⌘ instead of Ctrl

Mountain fold

Mountain fold

Mountain fold

>>>

# Grids & Curves

| | |
|---|---|
| Celestial Grid: | e |
| Azimuthal Grid: | z |
| Planetary Orbits: | o |
| Cardinal Points: | q |
| Compass Markers: | ⇧Q |
| Horizon: | h |
| Ecliptic: | , (*comma*) |
| Equator: | . (*period*) |
| Meridian line: | ; (*semicolon*) |

# Comet & Asteroids

To load the latest orbital elements of comets and asteroids::

1. "Configuration" [F2]
   ➔ "Plugins" tab
   ➔ Solar System Editor
   ➔ press "Configure"
2. Select "Solar System" then "Import orbital elements in MPC format…"
3. Select type and source, and press "Get orbital elements"
4. Select, or use "Mark all," then press "Add Objects"

# Mode Settings

| | |
|---|---|
| Night Mode: | Ctrl-n / ⌘-n |
| GUI on/off: | Ctrl-t / ⌘-t |
| Az/Eq mount: | Ctrl-m / ⌘-m |
| Toggle Full Screen: | F11 |
| Exit/Quit: | Ctrl-q / ⌘-q |

# Satellites

You must enable the *Satellites* Plug-in and restart.

| | |
|---|---|
| Satellite hints: | Ctrl-z / ⌘-z |
| Satellite labels: | Alt- ⇧Z |
| Configuration: | Alt - z |

# Landscapes

Visit http://stellarium.org and follow the "landscapes" link to download a ZIP archive (.zip) file.

Open "Sky and Viewing Options" [F4] then select "Landscape" tab.

At the bottom, press "Add/remove landscapes…" then "Install a new landscape from ZIP archive…"

Find the .zip file and press "Open"

| | |
|---|---|
| Landscape Labels: | Ctrl - ⇧G |
| | ⌘ - ⇧G |

>>>

# Ocular View

You must enable the *Ocular View* plug-in and restart.

| | |
|---|---|
| Ocular View: (repeat to exit) | Ctrl - o<br>⌘ - o |
| Pop-up menu: | Alt-o |
| Show crosshairs: | Alt-c |
| Telrad sight: | Ctrl - b<br>⌘ - b |

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# Angular Measure

You must enable the *Angular Measure* plug-in and restart.

Press Ctrl-a / ⌘-a, or click the Angle Measure button on the bottom toolbar, to enable the mode.

To measure the angle between two points, left-click with the mouse on one point and drag to the other point.

Right click to cancel.

Press Ctrl-a / ⌘-a or toolbar button again to disable mode.

# Notes

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## Printing

Print double-sided, with the paper flipped along the long side. On a single-sided printer feed the end with arrows (>>>) first. Do not use "scale to fit paper".

### Folding

Fold in half 3 times, making mountain folds first along line 1 then along line 2, and then along line 3.

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