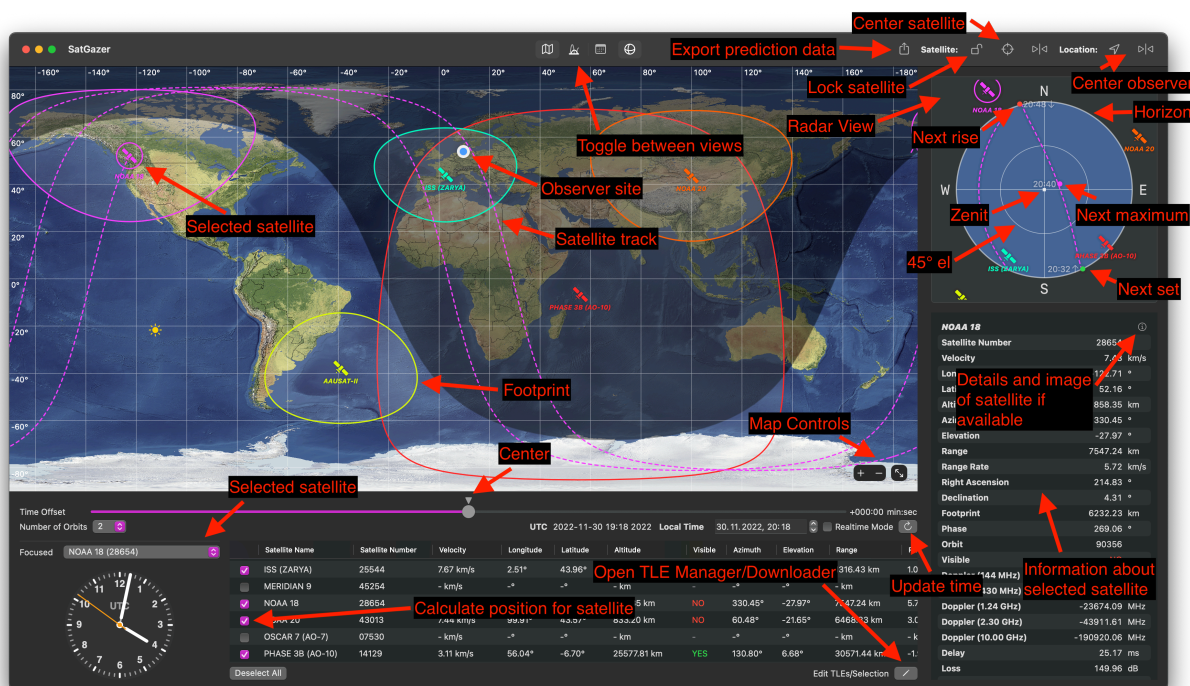


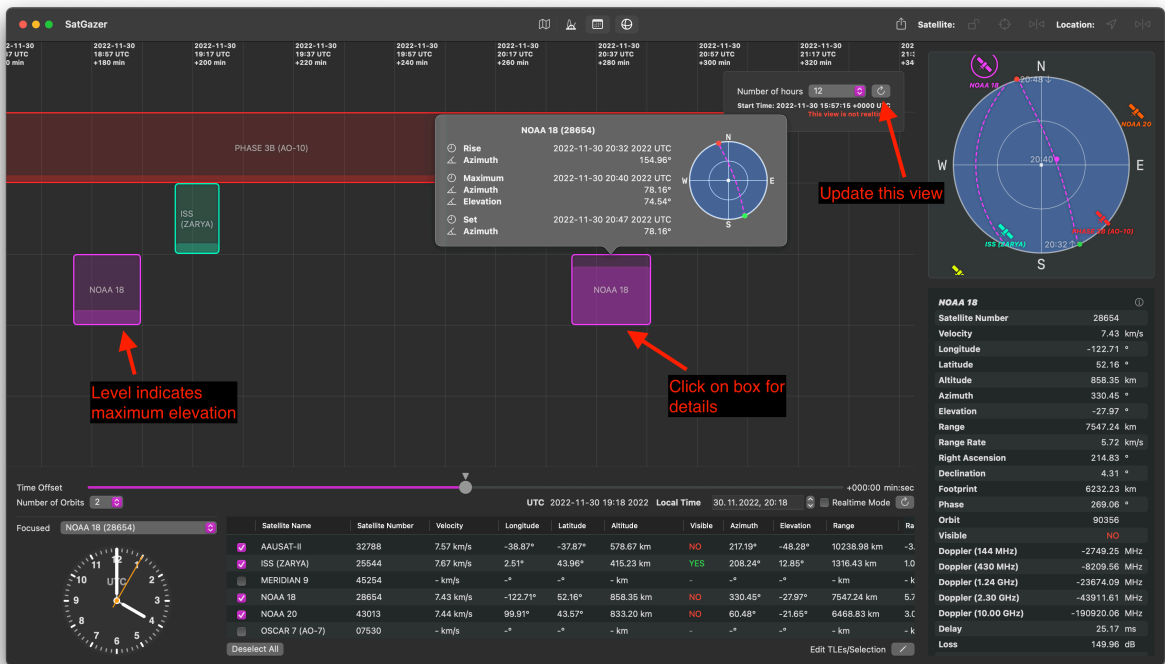
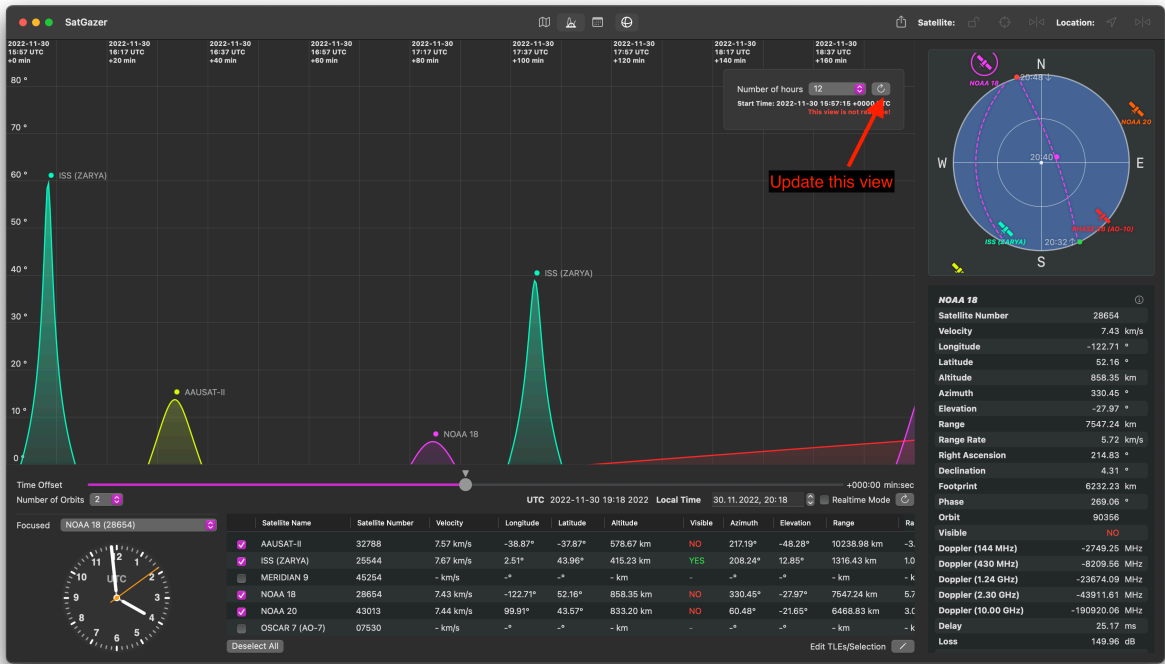
SatGazer - Documentation

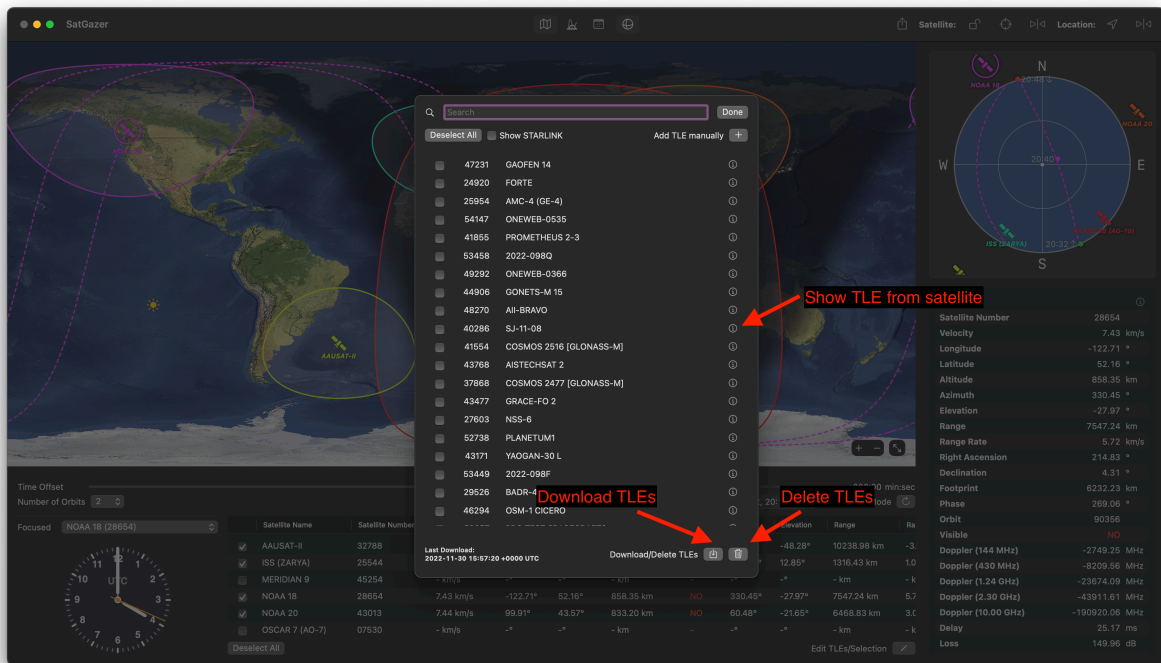
General

SatGazer works with the following concept. Select a satellite either by clicking on it in the map, the radar view or the popup button in the controls. For this satellite you will see the track in the map and the radar view if the number of orbits is greater than 0. In the detailed information view on the right, **SatGazer** shows detailed information about the selected satellite. You can click on the information symbol and further detailed information is shown if available.

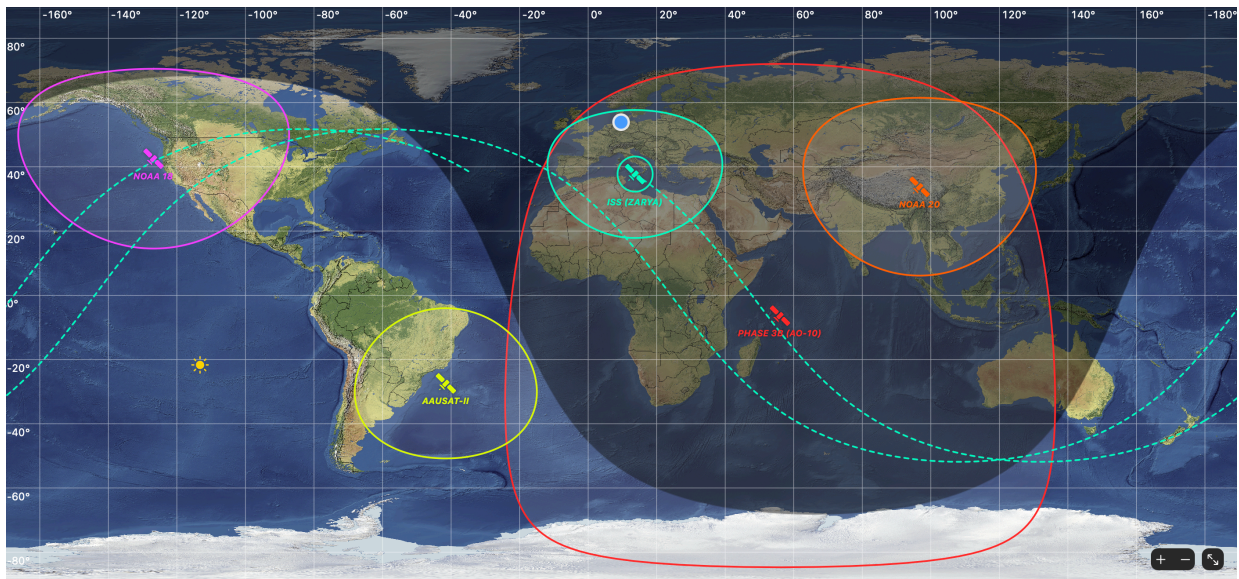
You toggle between the map, the predictions and the timetable with the segmented control in the toolbar. The **predictions and the timetable are independent of the selected satellite and the selected date.**







Map



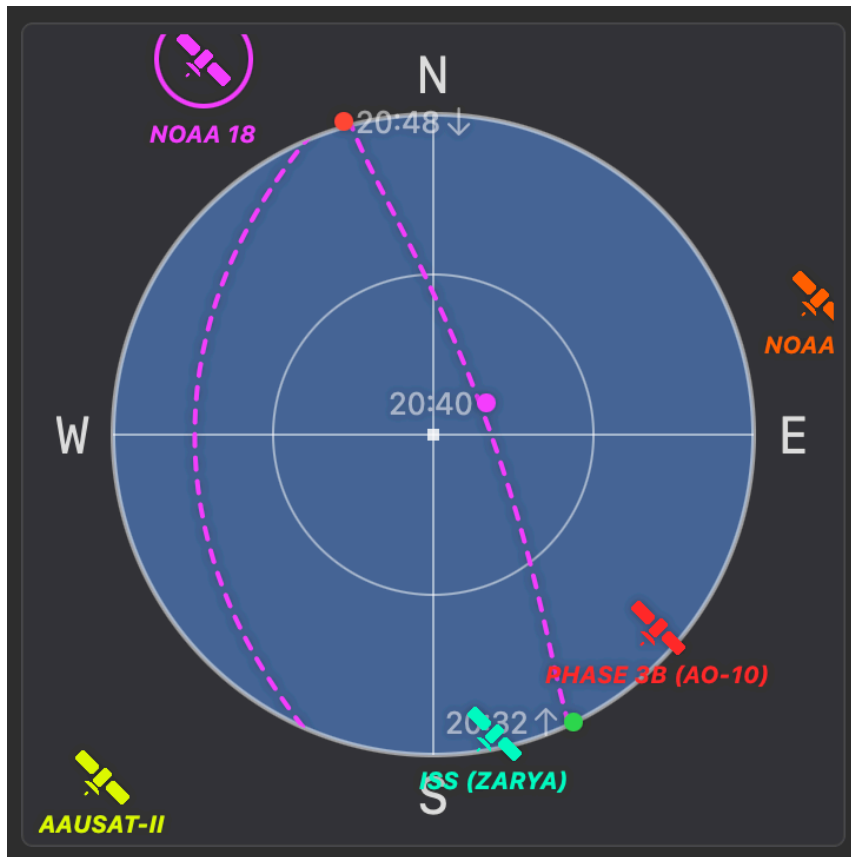
The map is very interactive. You can click on satellites to select them, move the map around by dragging it and zoom in and out. You can also center the observer location or the selected satellite, either zoomed in or at minimum zoom. By clicking the lock symbol you can lock a satellite and it will always be centered in the map.

You can hide or show the footprints as well as the coordinate grid in the settings. There you can also select one of the map styles.

Functions

- **Zooming** (Zoom in with the button in the lower left corner)
- **Dragging** (Move the map to view the part of the earth you are interested in)
- **Fullscreen** (Enter fullscreen with the button on the lower left corner)
- **Selecting a satellite** (Click on any satellite on the map and it will be selected)

Radar View

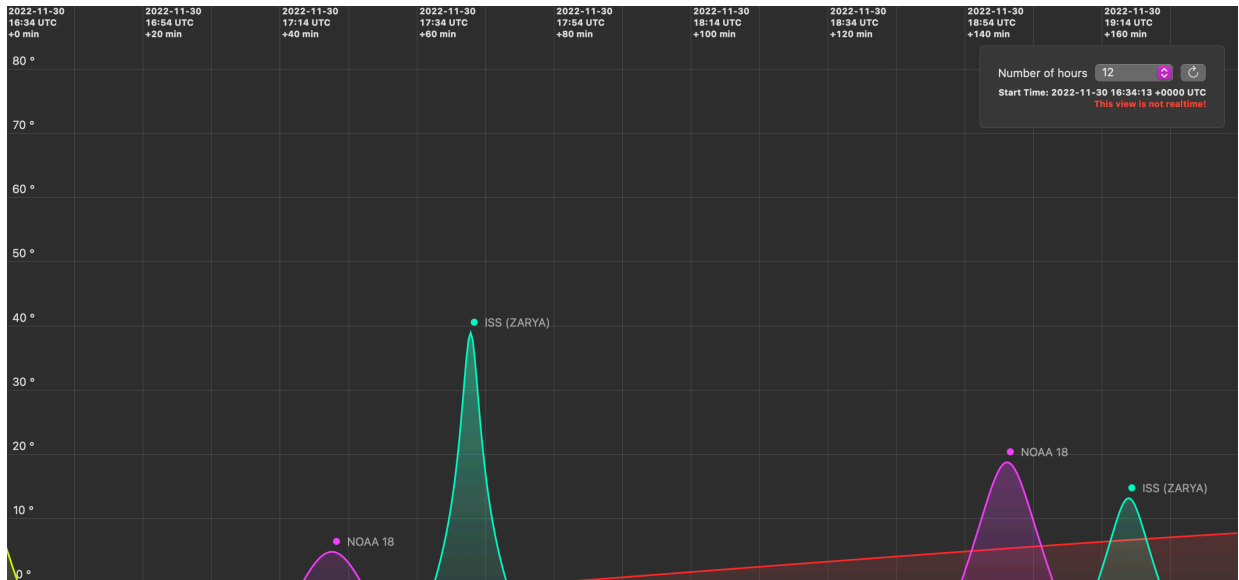


The radar view shows the view of the sky based on the location of the observer site. The center of this view represents the zenith (elevation 90°) and the inner circle represents an elevation of 45° . The border of the view is the horizon. You can click on a satellite to select it. For the next pass, the rise time, maximum time and set time are shown.

Functions

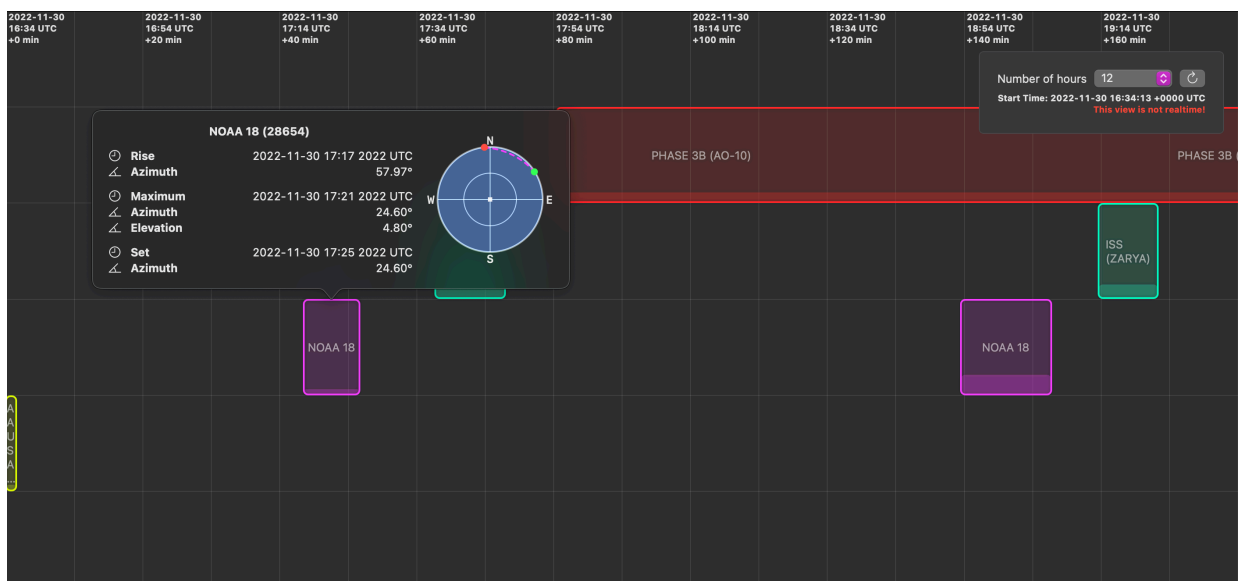
- **Selecting a satellite** (Click on any satellite on the map and it will be selected)

Predictions View



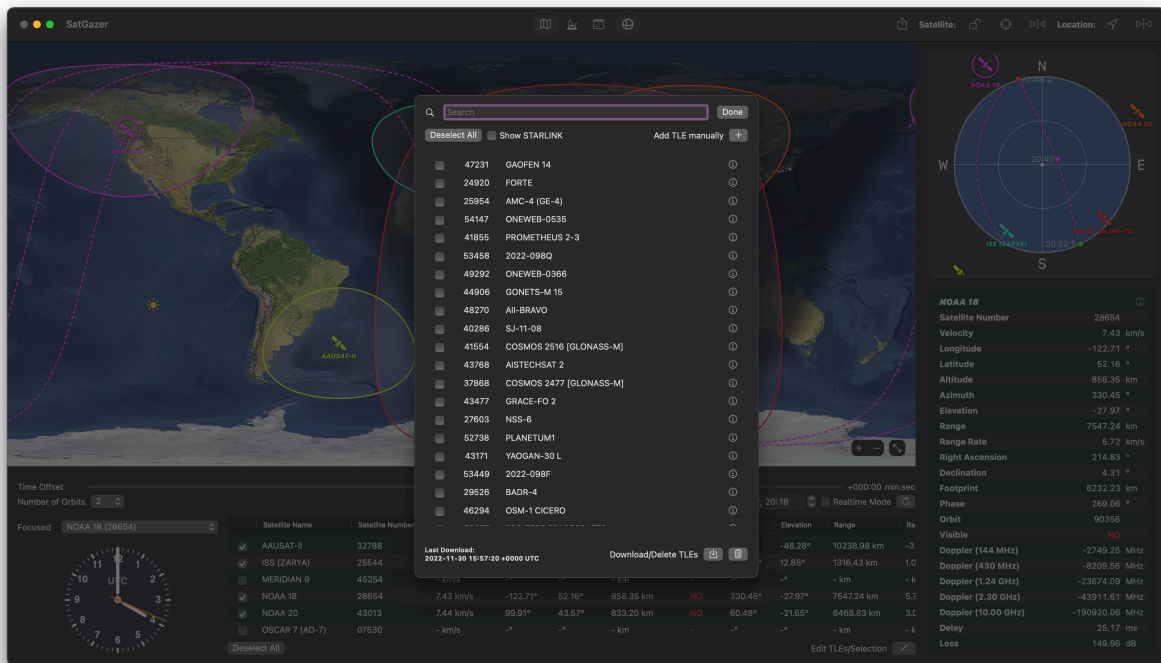
The predictions view displays the elevation of all observed satellites for the selected time interval. The view is not realtime. You will have to refresh the view if you change the selection of satellites. The start date of this view is the date at which the predictions have been calculated/refreshed.

Timetable



The timetable displays the times at which the satellites are visible. The level indicated the maximum elevation for the pass. You can click on the boxes to more information about the pass. The view is not realtime. You will have to refresh the view if you change the selection of satellites. The start date of this view is the date at which the predictions have been calculated/refreshed.

TLE Manager/Downloader



To open the TLE Manager/Downloader, click on the button with the pen below the table view with all satellites.

You can select the satellites that will show up in the table view. You can also add TLE data manually, by clicking on the plus button. Then you can select a correctly formatted text file with TLE data. For the format check the TLE data format on the default websites.