PhotoPills



Topics Covered

- ✓ Getting Started
- ✓ Planner Time Bar
- ✓ Planner Panels
- ✓ Planner Map Types
- ✓ Planner Map Tools
- ✓ Planner Tool Bar
- **✓** Find Tool
- √ PhotoPills Plans

Basic Navigation

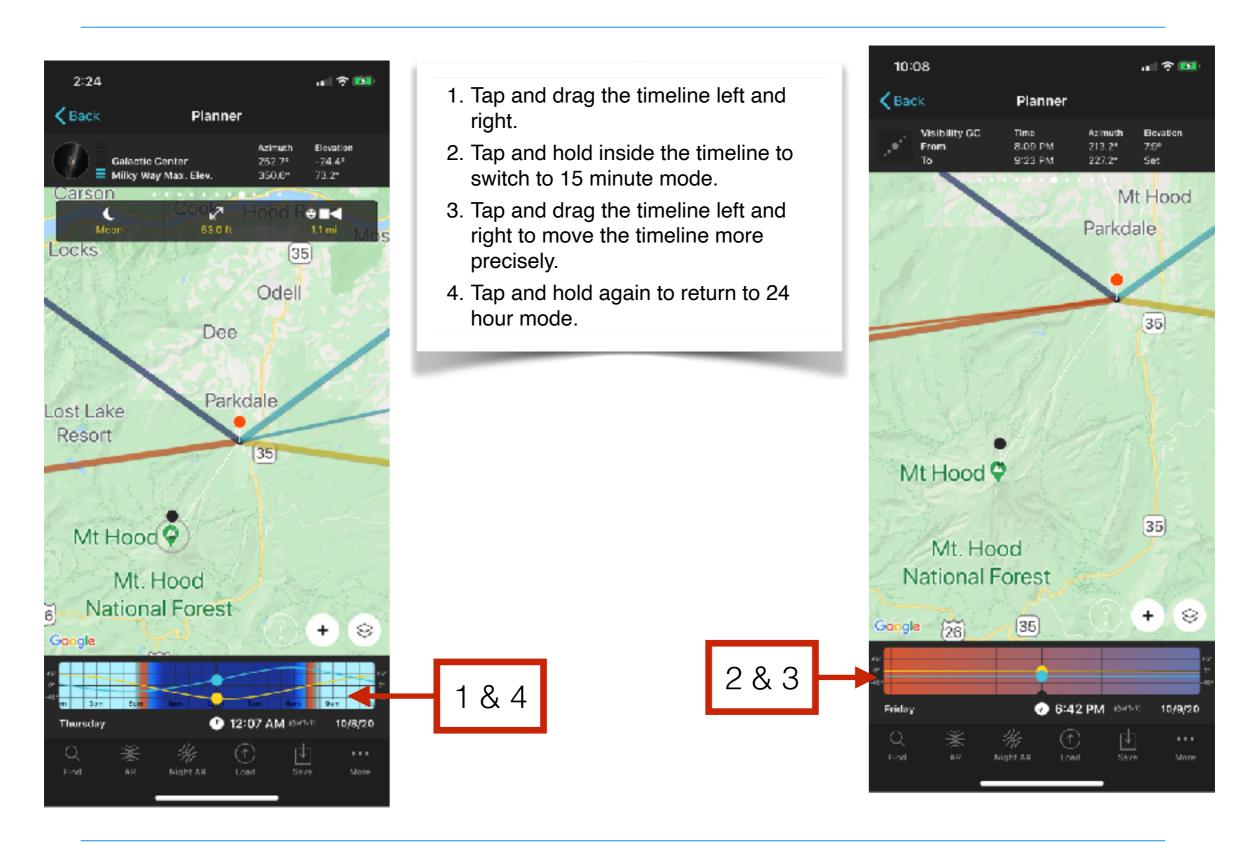
- 1. "Pills" menu.
- 2. Tap one of the options (i.e., Planner).

NOTE: Tap "Back" to return to the "Pills" page.

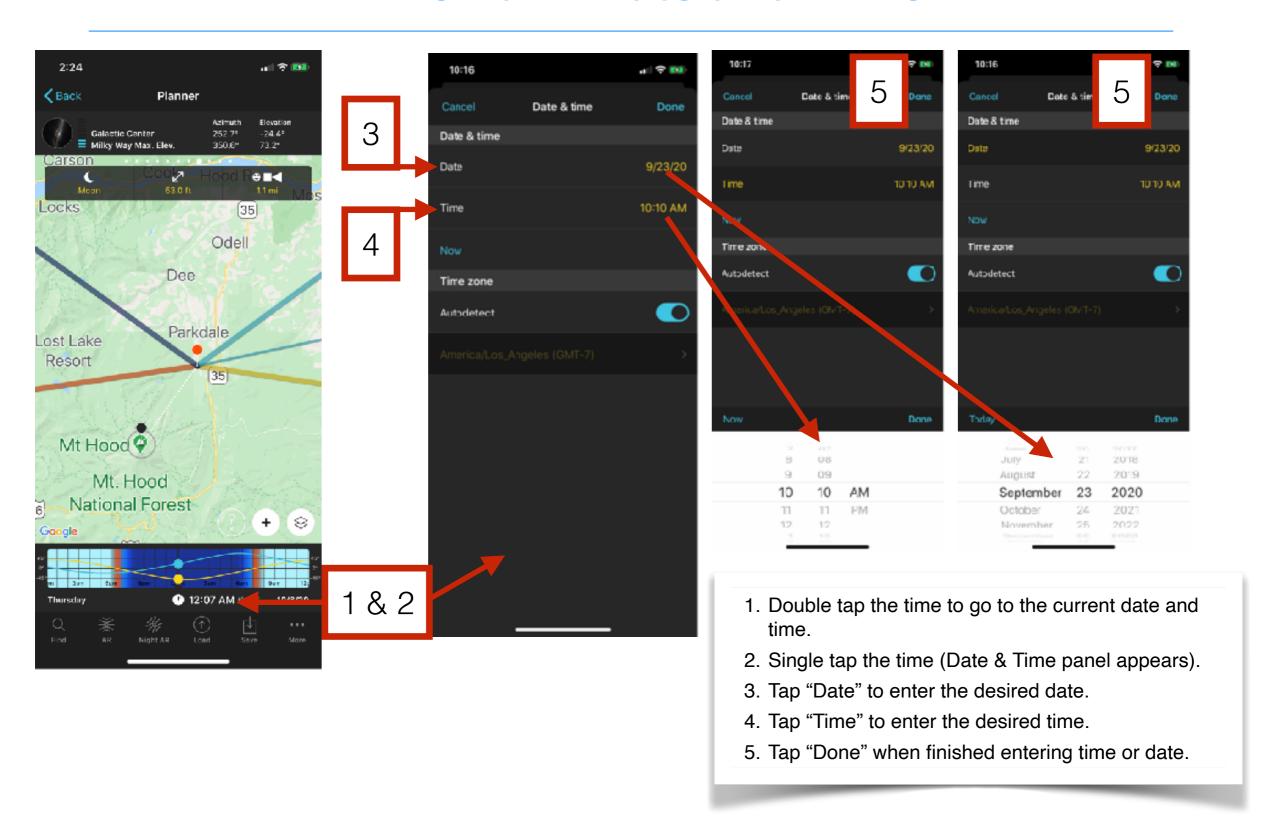




Time Bar



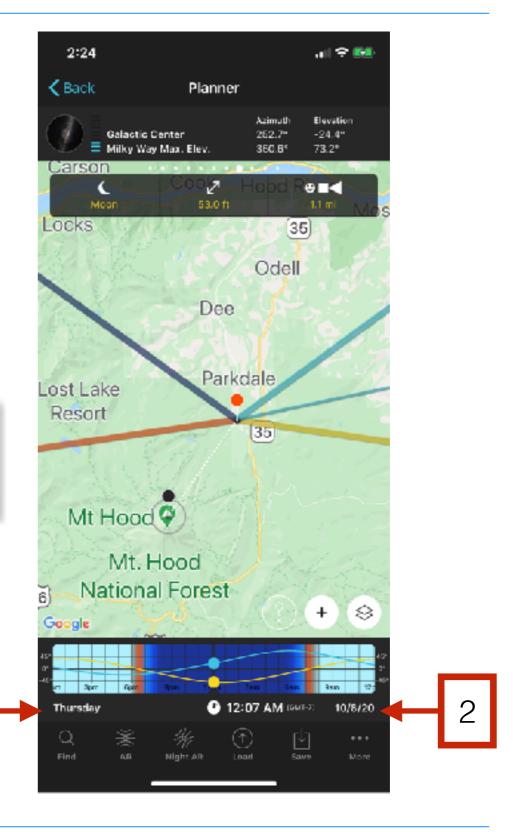
Time Bar - Date and Time



Time Bar - Events

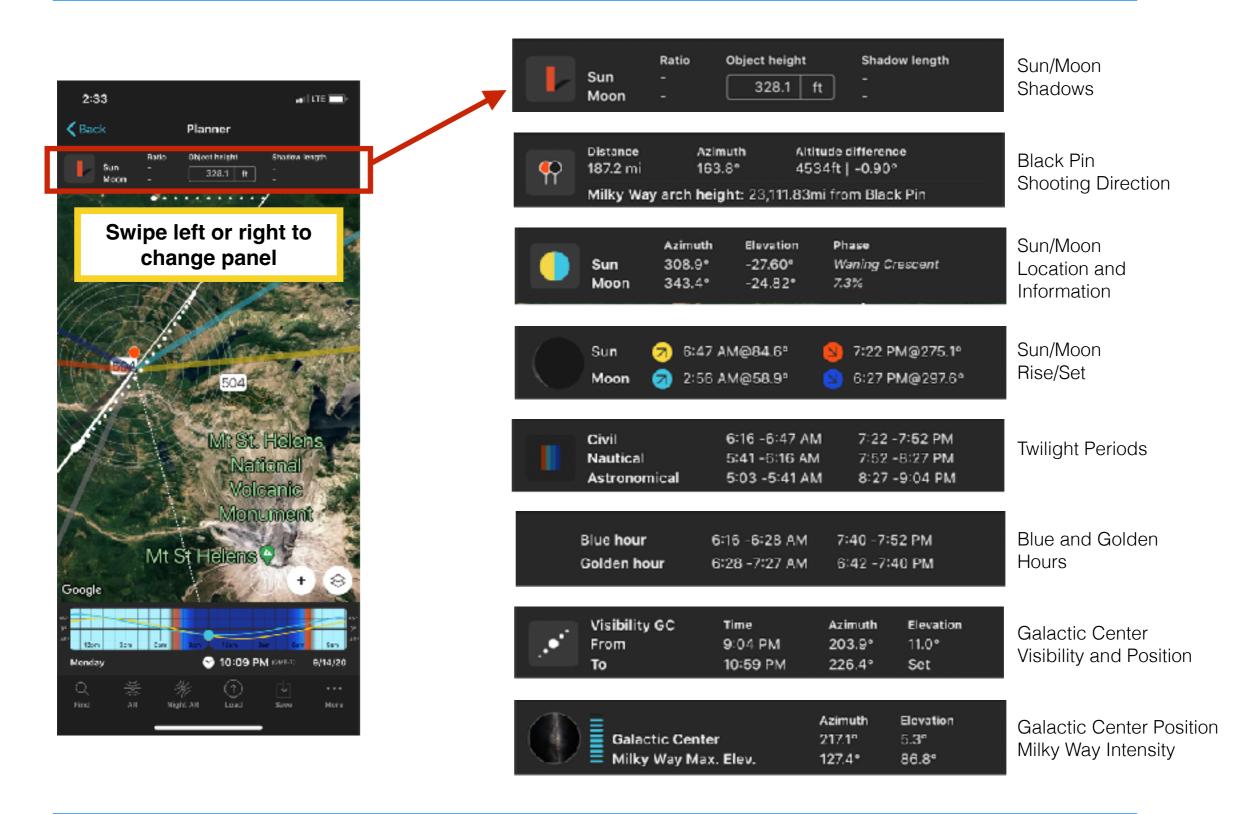
Events:

- Sunset
- Golden hour
- Blue hour
- Twilight periods
- Sunrise
- Moonrise
- 1. Tap the day text to go to previous event.
- 2. Tap the date to go to the next event.

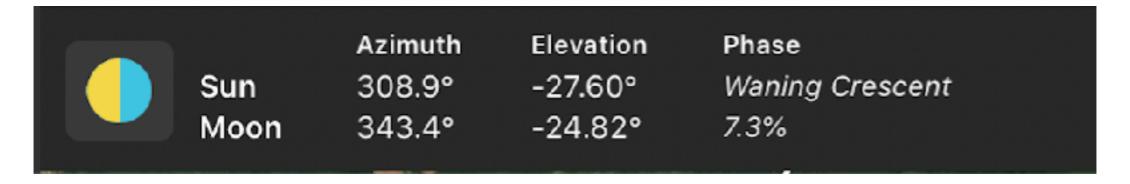


6

Planner - Top Panels



Planner - Top Panel Information



Panel icon and name

Panel information for selected date/time

NOTE: Tapping the panel icon displays different information depending on the panel

Sun and Moon Shadows



9



- 1. Tap panel icon to turn ON calculator (icon is bright).
- 2. Move timeline to a time during daylight to show sun shadows.
- 3. Enter *Object height*.
- 4. Ratio and Shadow length are displayed.
- 5. Shadow length is displayed on the map as a black line.
- 6. Tap panel icon to turn OFF calculator (icon is dim).

NOTE: Move timeline to a dark period when the moon is visible to show moon shadow information.

Black Pin

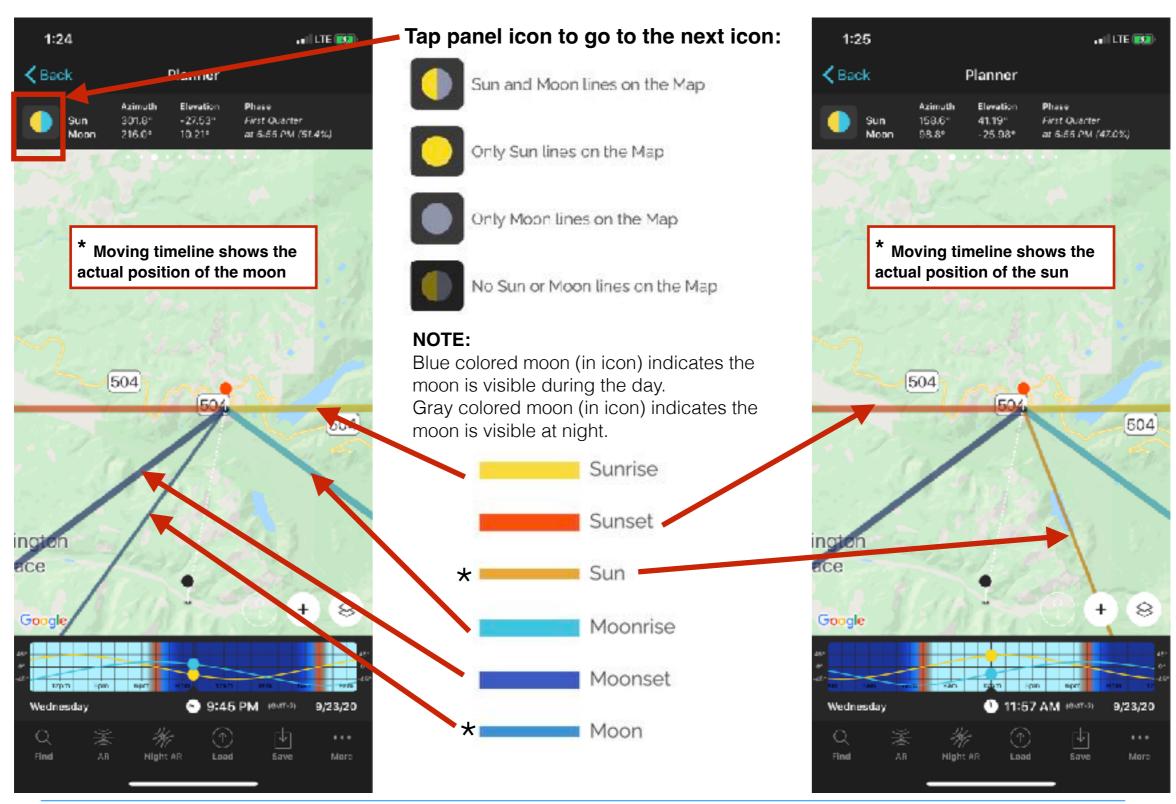




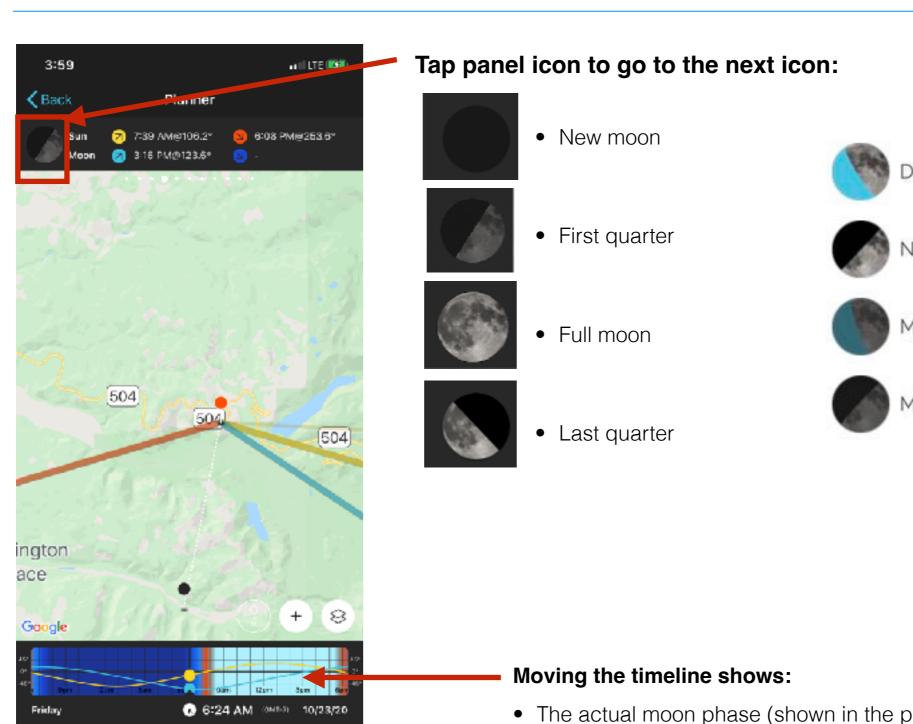
NOTES:

- Red pin is where you are located.
- Black pin is a point where you want information regarding shooting direction and/or information relative to the red pin.
- 1. Tap panel icon to turn black pin ON (icon is bright).
- 2. Black pin is displayed (with dashed line from red pin).
- 3. Black pin information box is displayed (coordinates, altitude, and elevation difference between red and black pin).
- 4. Tap pin information box to turn OFF.
- 5. Tap and drag black pin to move to desired location.
- 6. Tap panel icon to turn black pin OFF (icon is dim).

Sun and Moon Location and Information



Moon Rise and Set



Daytime







- The actual moon phase (shown in the panel icon)
- Moon phase is based on date, time, and red pin location

Twilight Periods

Planner

7:54

≺ Back

Saturday



Tap panel icon to turn information ON or OFF



Civil: The period after sunset of before sunrise (a.k.a. Blue Hour)

Nautical: The period after Civil where there's still some light in the sky and the brightest stars are visible.

Astronomical: The period after Nautical where more stars are visible

When this panel is turned on, the twilight colors will be displayed on the map.

13

DISCOVER THE LIGHT PHOTOGRAPHY

10:36 PM (647-7)

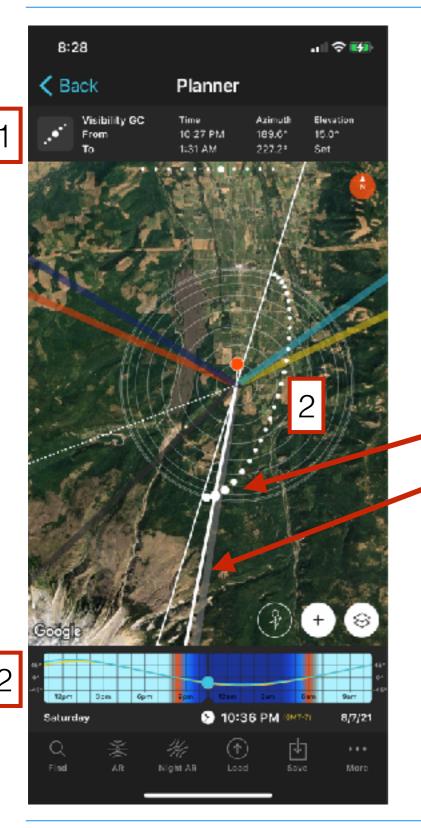
8/7/21

Blue and Golden Hour

Blue hour 6:16 -6:28 AM 7:40 -7:52 PM Golden hour 6:28 -7:27 AM 6:42 -7:40 PM

This panel has no icon and displays information only

Galactic Center Visibility and Position



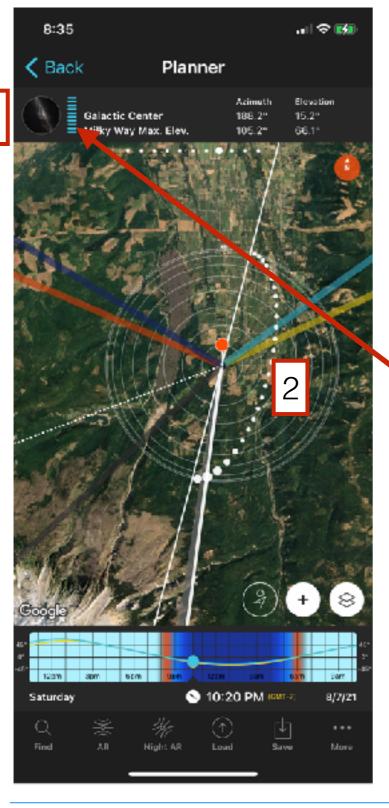
- 1. Tap panel icon to turn information and display ON (icon is bright).
- 2. Move timeline to dark period to display the Milky Way.
- 3. Tap panel icon to turn information and display OFF (icon is dim).

NOTES:

- The angle of Milky Way is displayed (changes throughout the year and time of day).
- The Galactic Core is represented by the large orbs.
- The center of the Galactic Core is represented by the thick white line.

15

Galactic Center Position/Milky Way Intensity



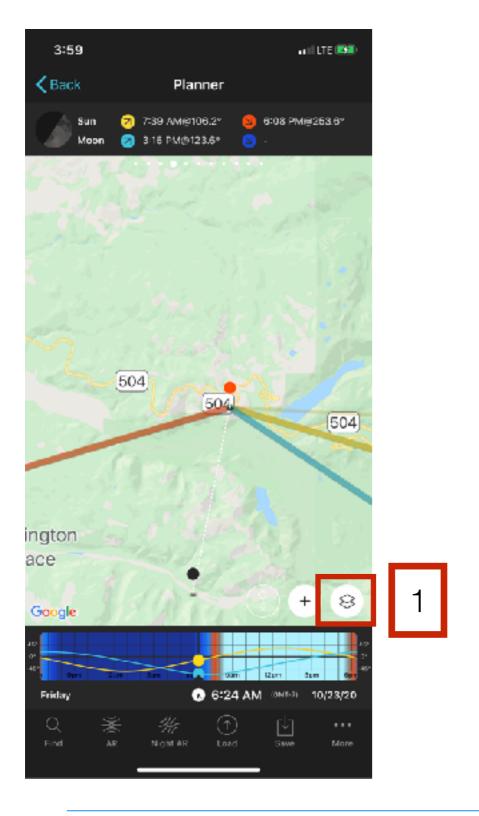
- 1. Single tap the panel icon to move to the next new moon.
- 2. Double tap the panel icon to move to the previous new moon.

NOTES:

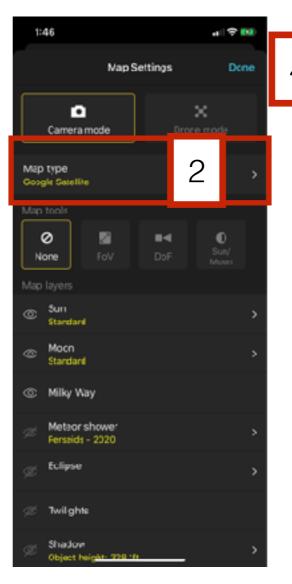
- The Milky Way intensity is displayed by the light blue vertical bar (the higher the bar, the more intense the Milky Way is for the date/time selected).
- Prime Milky Way intensity is from 3 to 5 days before and after the new moon (depending on the time of year).

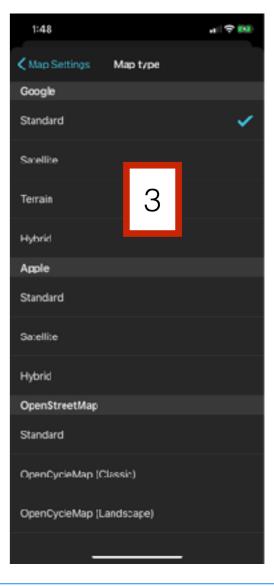
16

Map Types

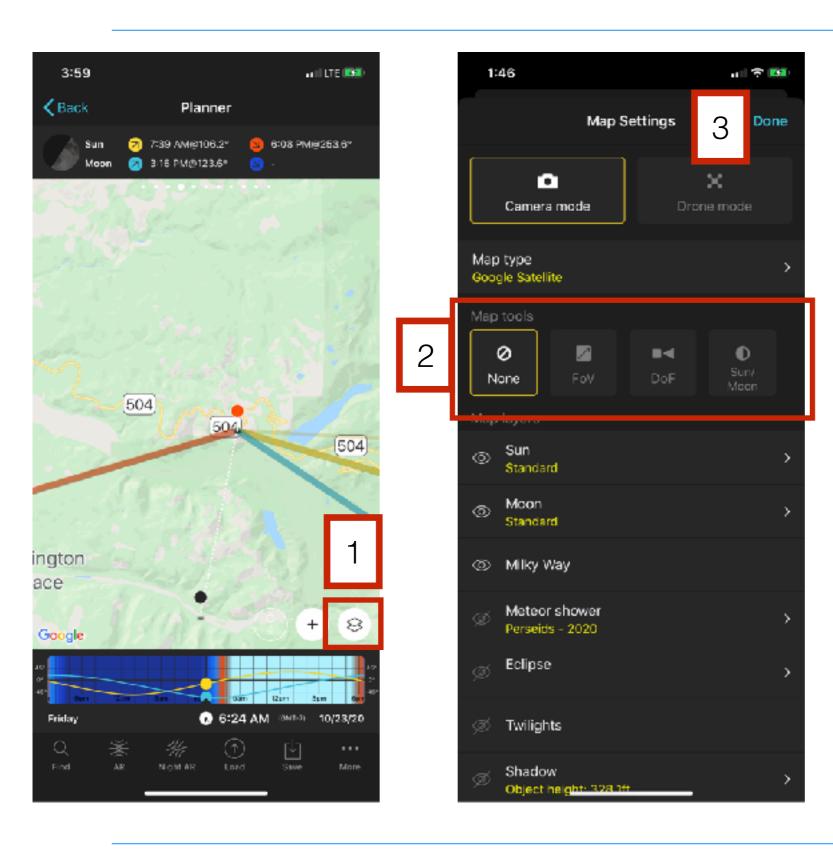


Tap the Map Settings icon.
Tap Map type.
Tap desired map.
Tap Done.





Map Tools

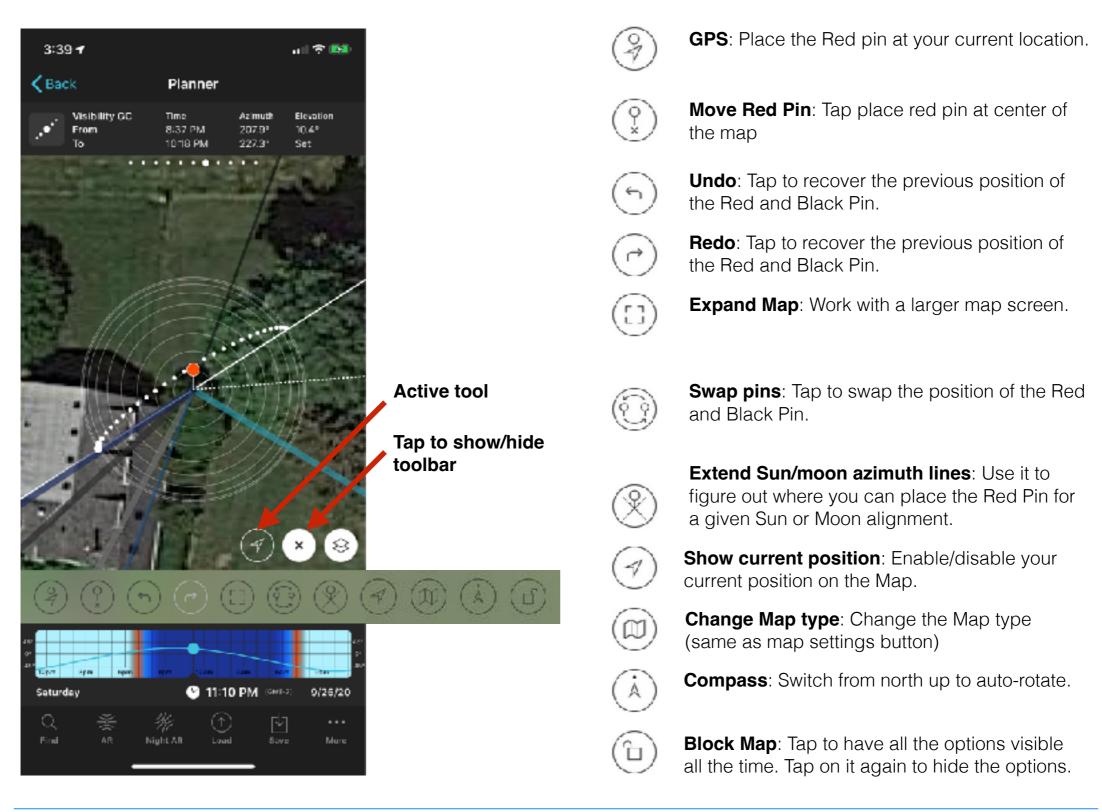


- 1. Tap the Map Settings icon.
- 2. Tap desired Map Tool
 - None No map tool displayed

18

- FoV Field of View
- DoF Depth of Field
- · Sun/Moon
- 3. Tap Done.

Planner Tool Bar



Find Tool



WHAT DOES THE FIND TOOL DO?

- Finds sun and moon positions based on red and black pin positions.
- Parameter settings allow precise results.