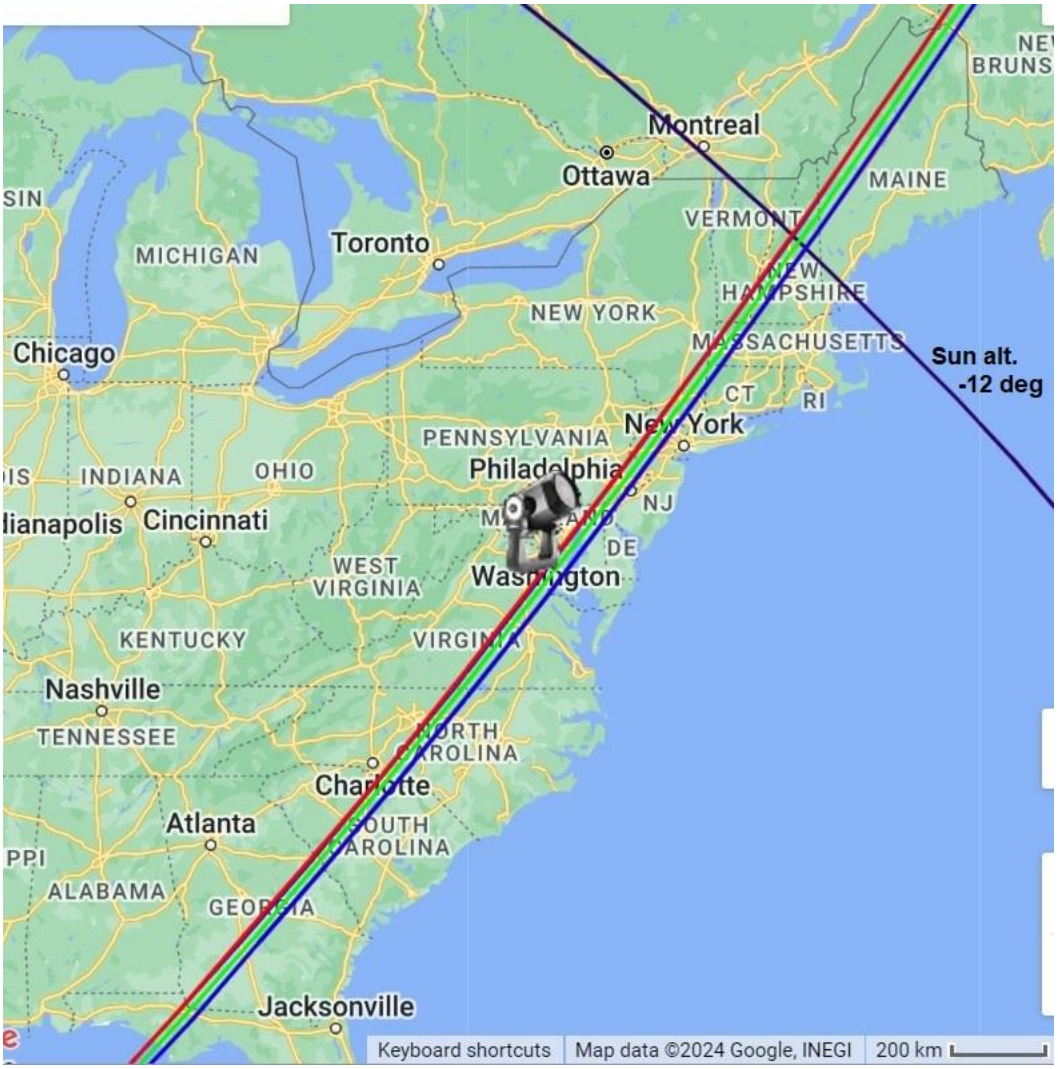
2024 Campaign Event – (5361) Goncharov Occultation of TYC 6374-00593-1

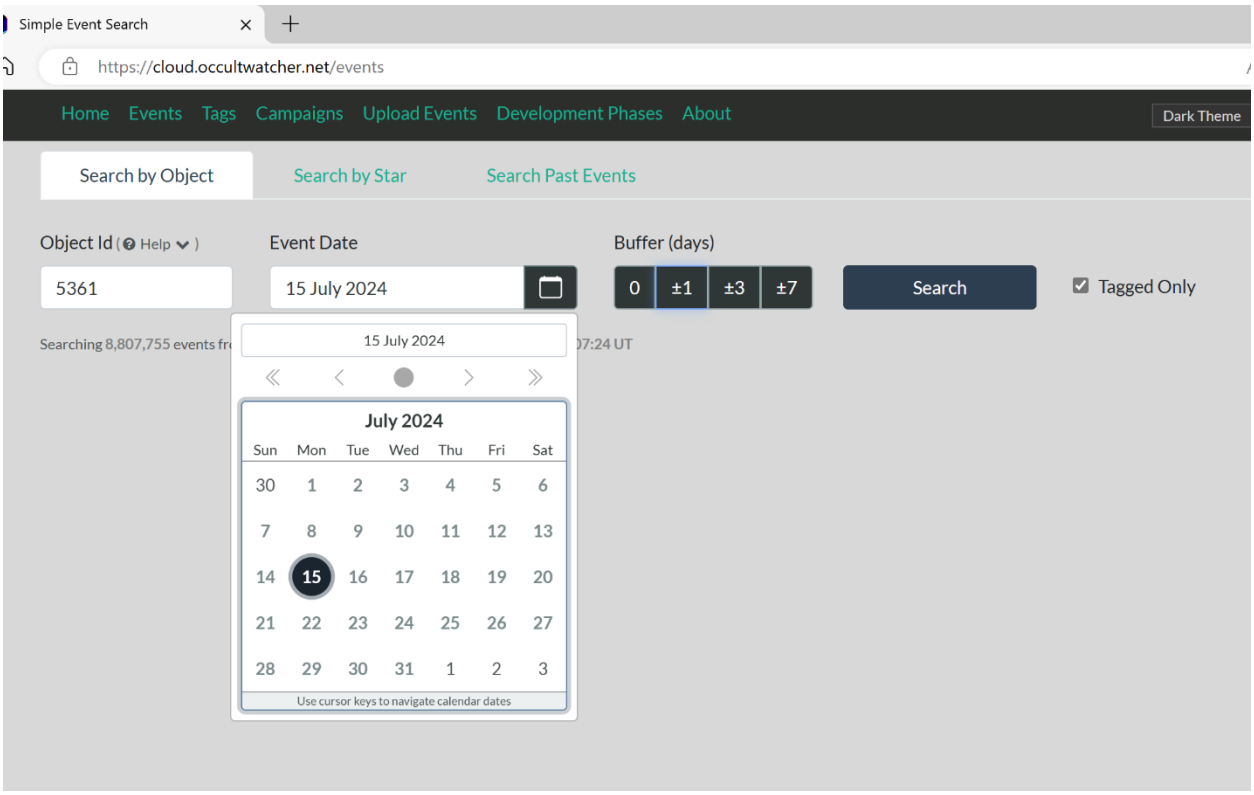
The occultation of 9.2 magnitude TYC 6374-00593-1 (SAO 190545) by (5361) Goncharov is the first of the three IOTA Campaign 2024 events. The track for this event begins in Maine just ahead of sunrise and travels down the Eastern coastal states through the Florida panhandle.



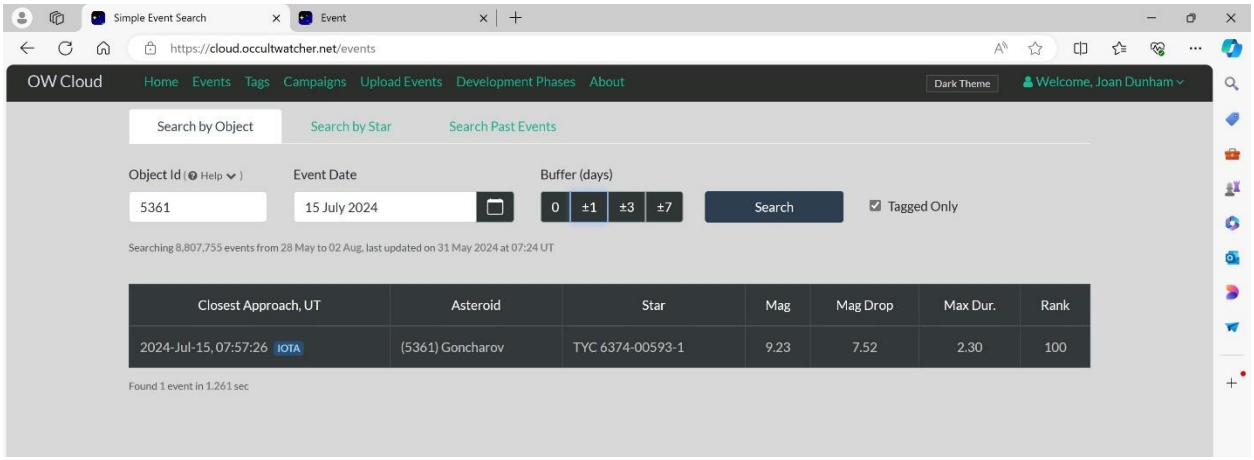
There will be observers, singly and in groups, along this occultation track, coordinating their locations to produce an outline of the asteroid at the moment of the occultation. The 9.2 magnitude star can be observed with relatively modest scopes so this event should be accessible by many along the event path.

If you want to participate, be sure to use Occult Watcher to select your site. Best practice is for observers to select sites so that observer lines are evenly spaced across the path but do still observe even if you are unable to move to a non-conflicting site.

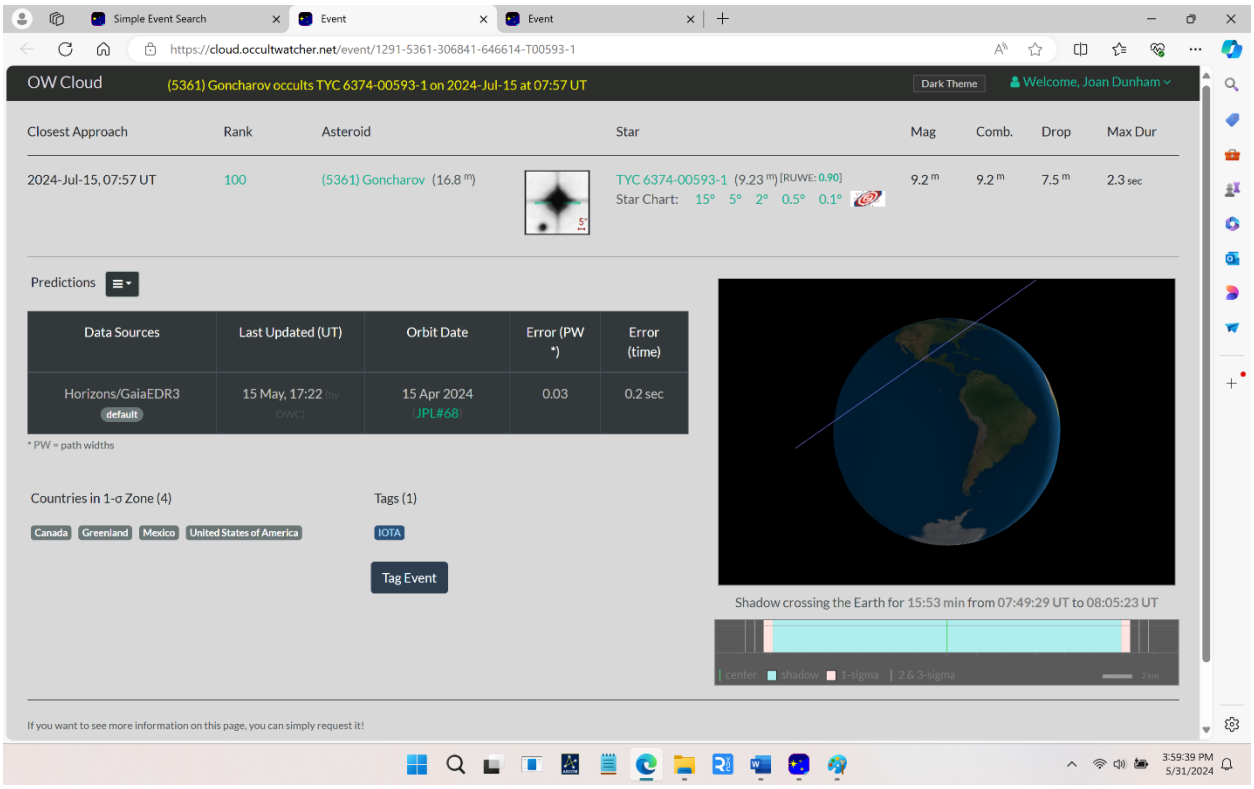
If you do not see the Goncharov event in your OW feed, go to https://cloud.occultwatcher.net/events and do a simple event search as shown in the figure below:



This will generate

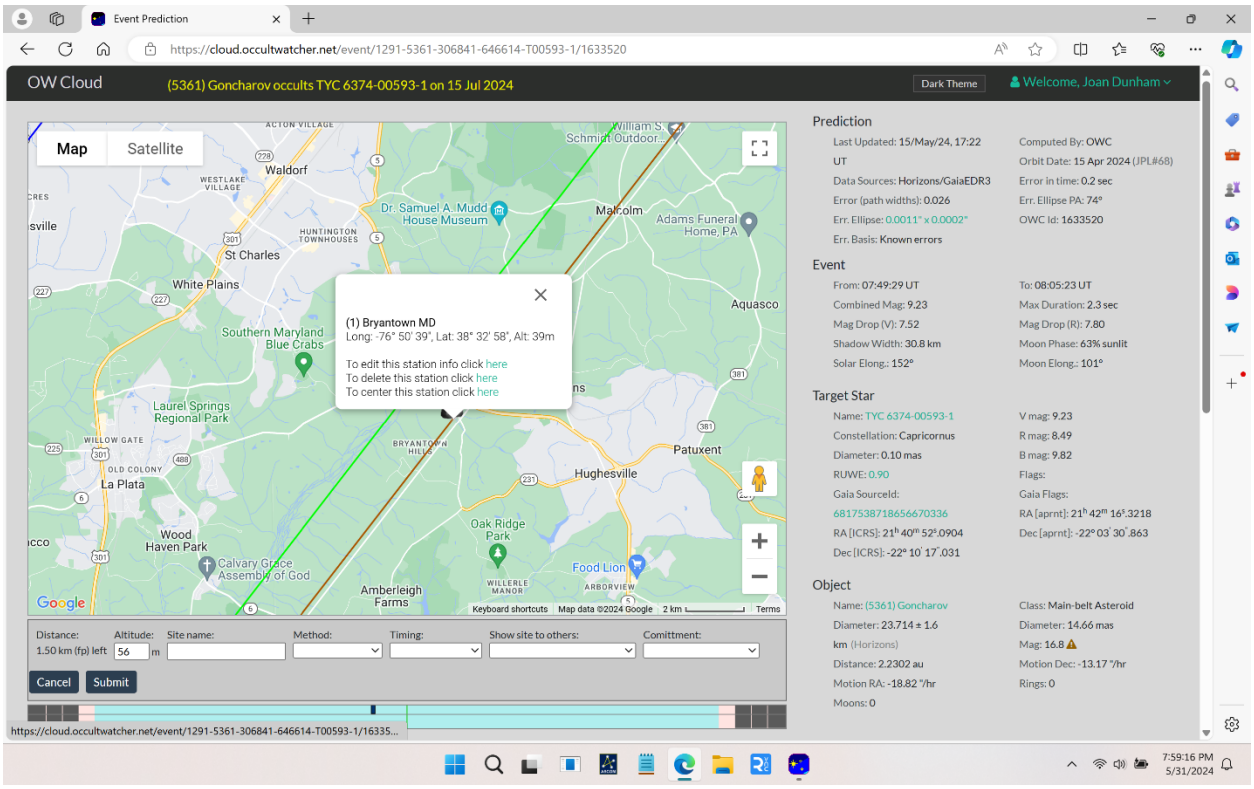


Then click on the event to bring up the prediction



Clicking on the Earth will produce a display of the track across the Earth's surface. Zoom in and navigate to locations near you to find a location accessible to you. Enter the coordinates of a good location into your OW configuration as a new site. You can select that as your observing site. Then use OW to find the local circumstances for the event at that site as well as how that location fits in with others' chosen observing sites.

Here is an example of selecting a site near Bryantown, MD for observing the Goncharov event.



Selecting events from OW Cloud can take longer to replicate onto the OW desktop display, but doing it with OW Cloud is a quicker way to select sites for mobile or remote stations.