

Lab Exercise - Access satellite images for assigned fires, and give team presentations to another group.

1. Learn Worldview by watching tutorial video
2. Use the events tab to find a (large) fire of interest to analyze. Or, feel free to analyze that fire you know.
3. Read and find additional information on the fire (incident command report linked in worldview or google and find a report)
 - a. Look over report and make brief set of notes
4. Use MODIS and VIIRS to find the first day of fire detection.
 - a. Did it align with the report? Why or why not?
5. Assess the fire through time and identify a period of high fire activity.
 - a. Play around with the animation tool
6. Compare thermal hot spots between both MODIS and VIIRS
 - a. Assess differences between the two products
 - i. How are they similar or different

- ii. Why would they be similar or different
- iii. Look at FIRMS FAQ to learn difference between the two products and make note of them
(<https://www.earthdata.nasa.gov/faq/firms-faq>)

7. Make an assessment of the final size of the fire using the measuring tool and try differing products to map the fire's size (ie different spectral bands and satellites).

8. Save information of the fire

- a. URL
- b. IC report
- c. Screen grab of the fire with Lat/Lon bounds.
- d. Animation
- e. Anything else you find interesting

9. Pair with another group and share your case study