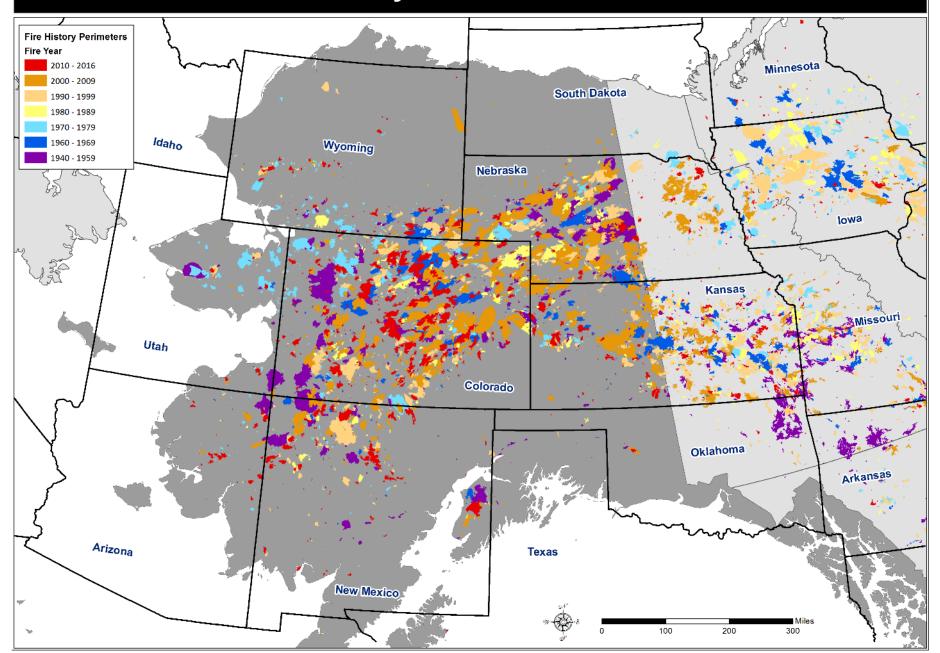


# Remotely Sensed Data for Alaska Current Uses of Remote Sensing for Wildland Fire in High Latitudes



#### Alaska / Canada Fire History 1940-2016 and U.S. Mainland



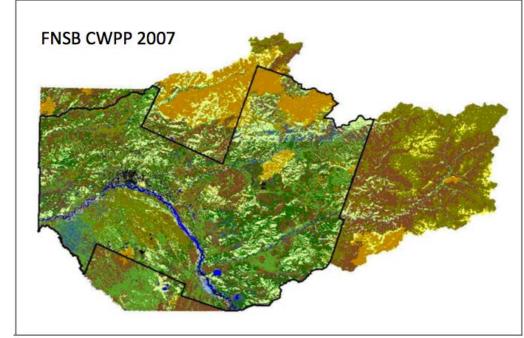
## Land Cover Classifications

A moving target that will benefit from higher frequency updates and more accurate data.

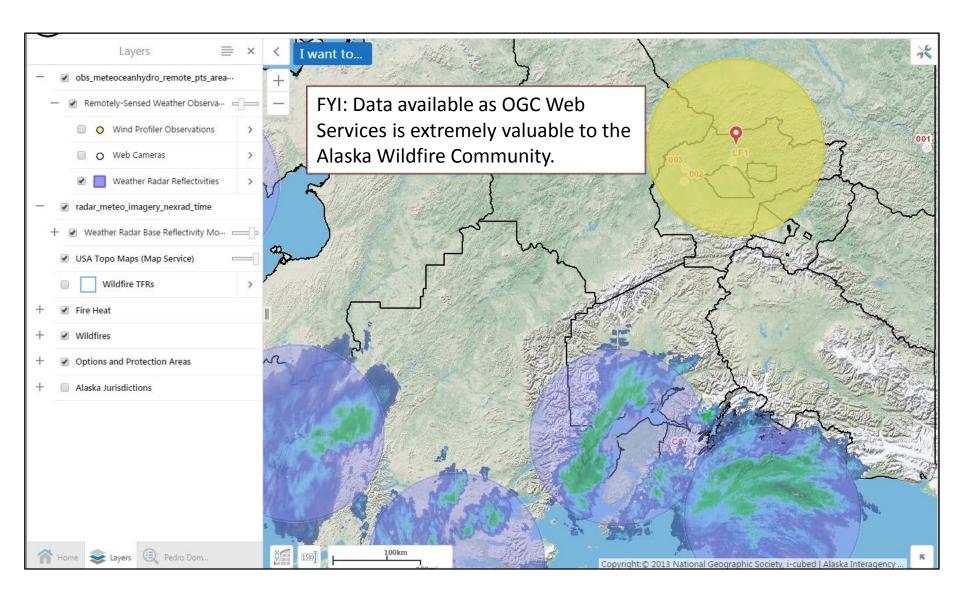
#### Fairbanks North Star Borough Community Wildfire Protection Plan

- Fuels Mapping with SPOT (inside black line) and Landsat
- corresponding LANDFIRE classification

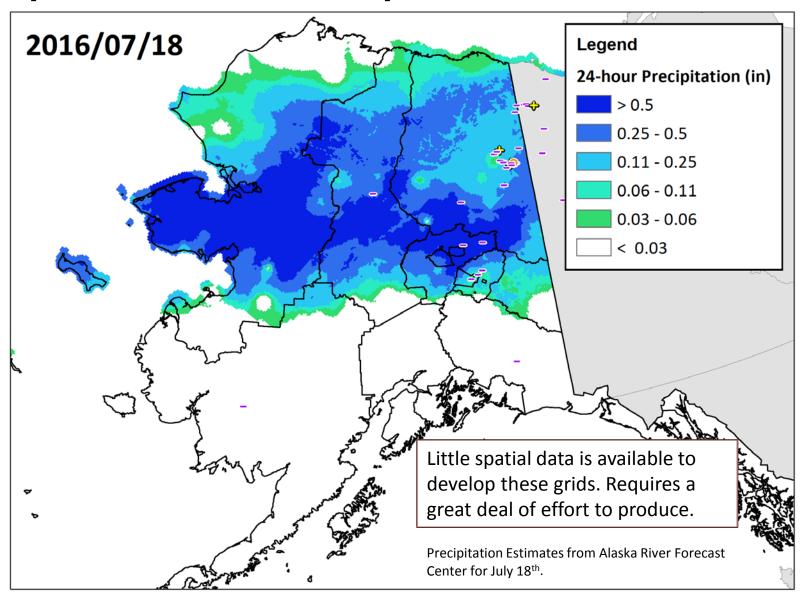




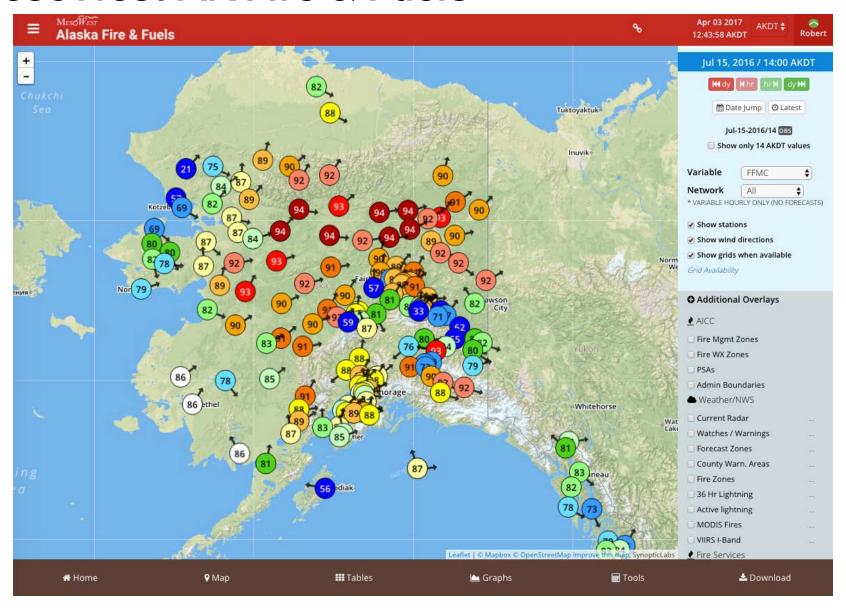
## Remotely-sensed Weather Data



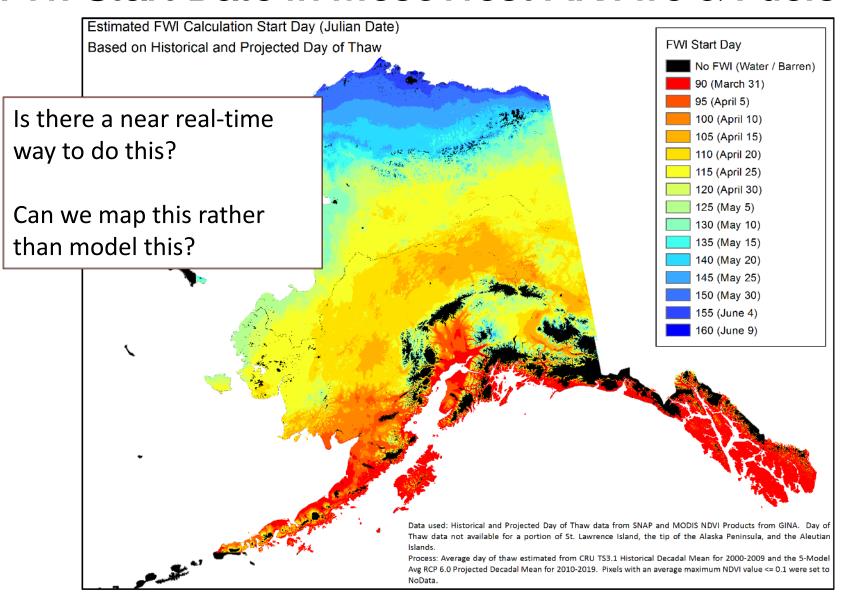
## Temperature and Precipitation Data



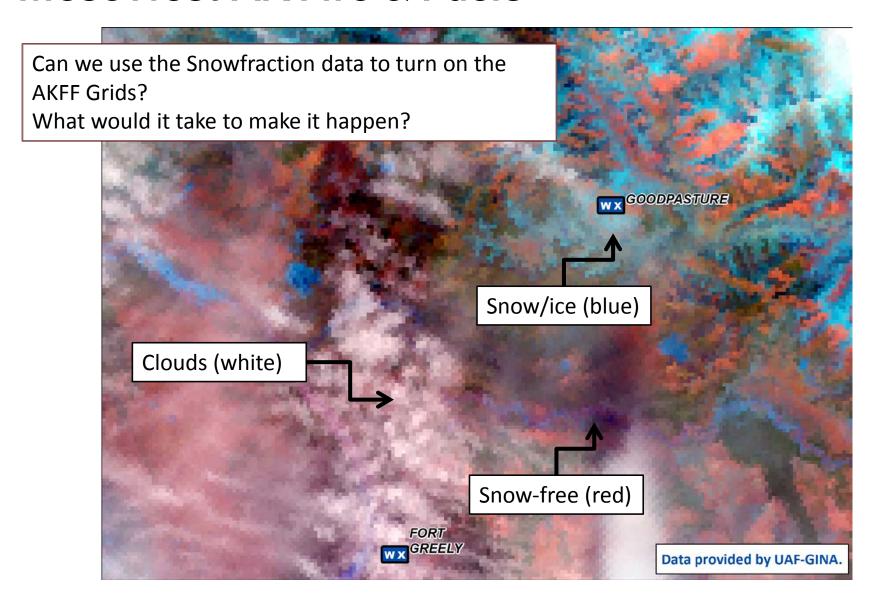
#### MesoWest AK Fire & Fuels



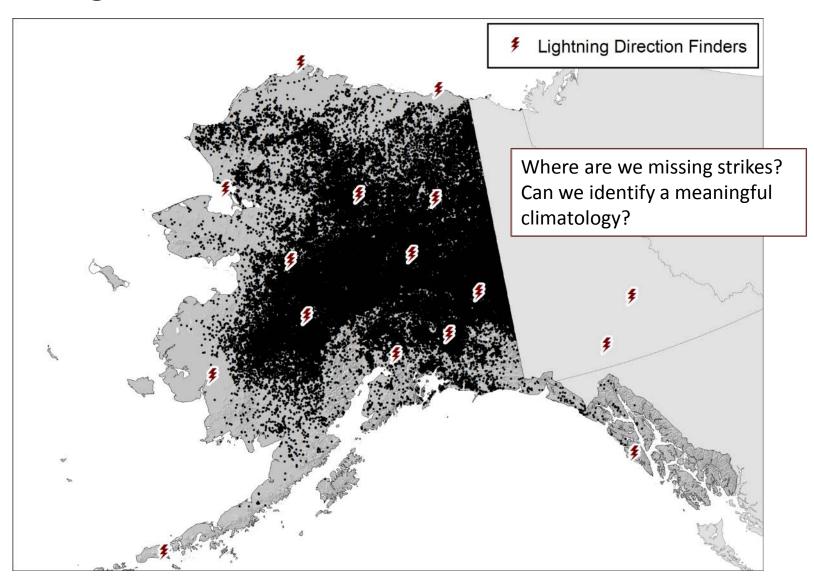
#### FWI Start Date in MesoWest AK Fire & Fuels



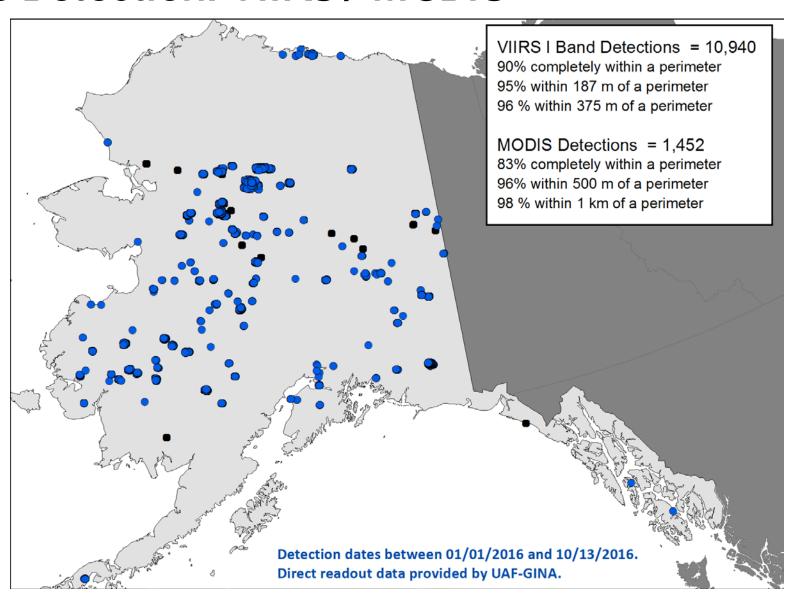
#### MesoWest AK Fire & Fuels



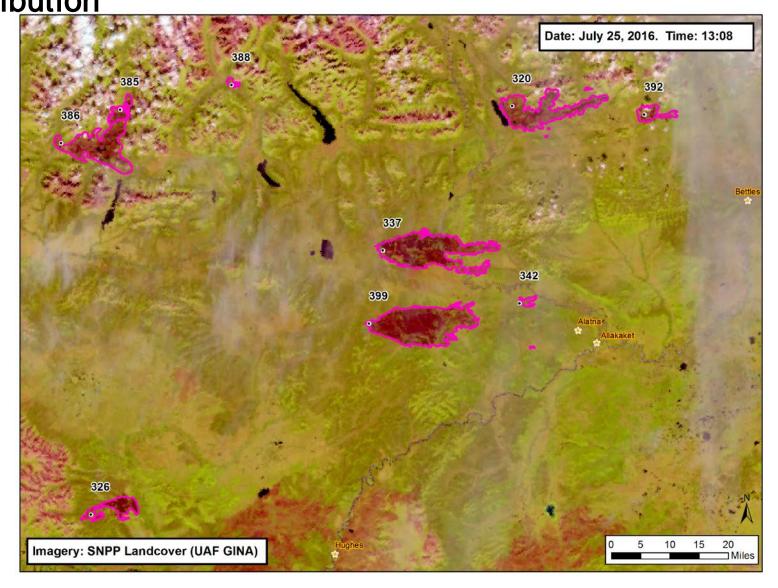
## Lightning Detection Network



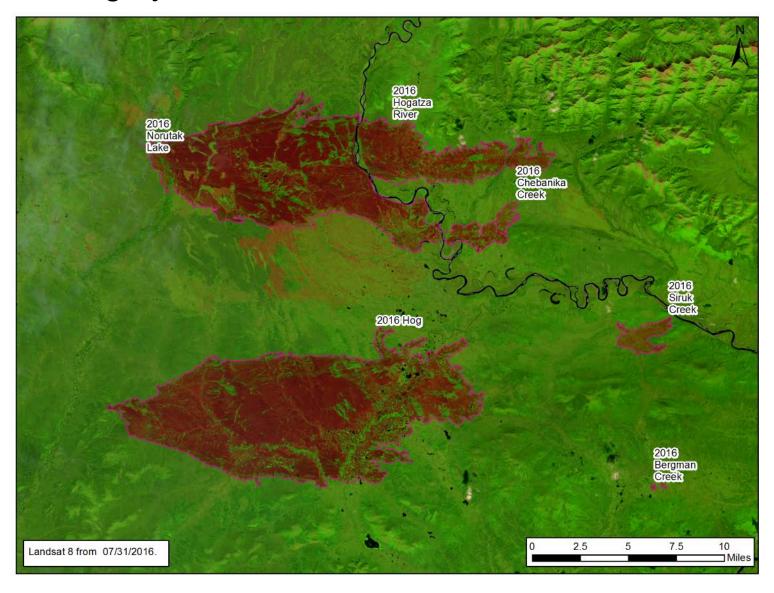
### Fire Detection: VIIRS / MODIS



VIIRS Imagery for Near Real-time Fire Activity and Smoke Distribution



#### Landsat imagery



## **Contact Information**

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