

# Predictive Services Briefing: July 3, 2025

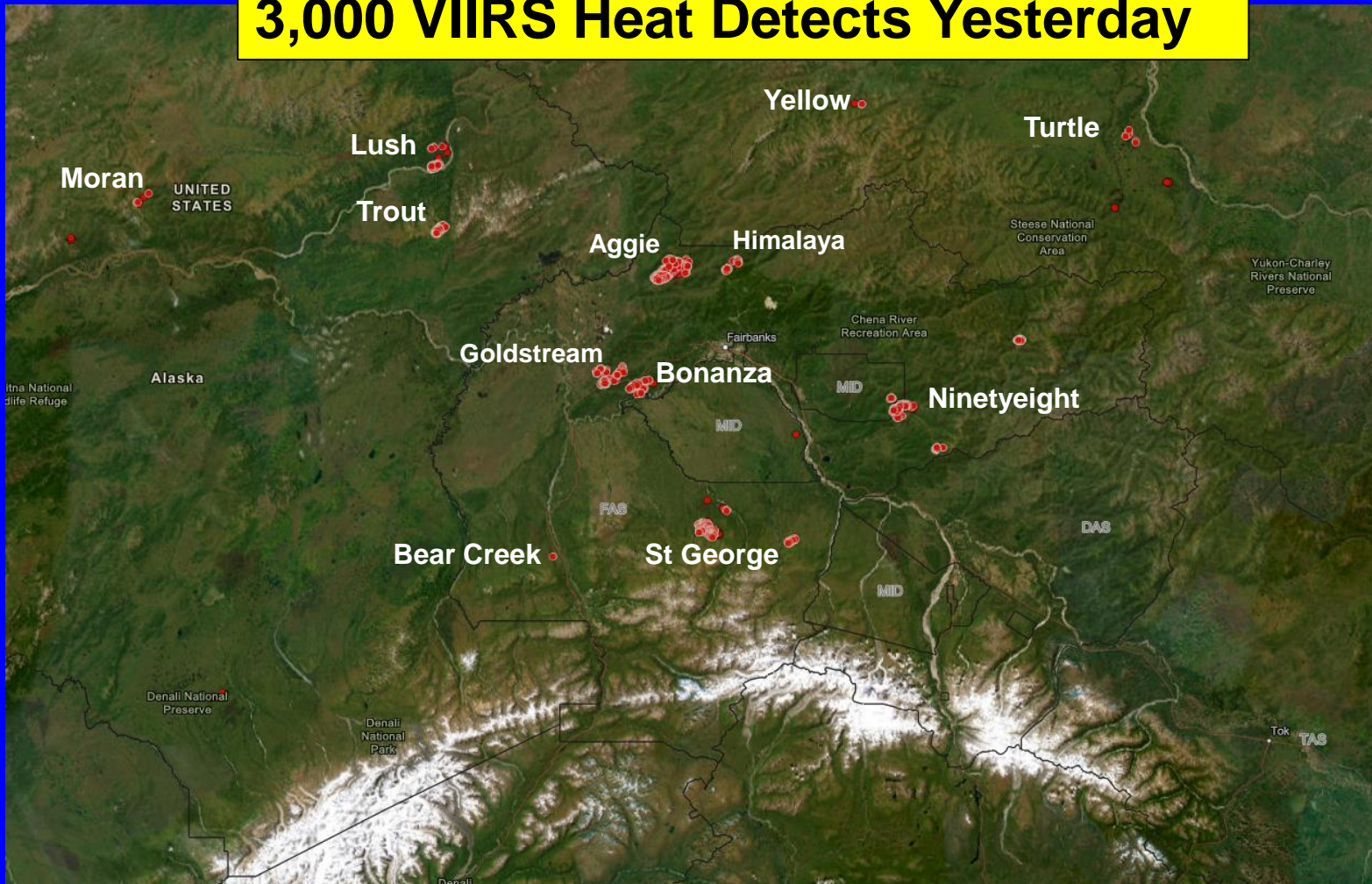
AK Daily Predictive Services Briefing. Join with:

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## 3,000 VIIRS Heat Detects Yesterday



**Alaska PL:**

**4**

**National PL:**

**3**

**New Fires:**

**5**

**Staffed Fires:**

**26**

**Large Fire Growth:**

**N/A**

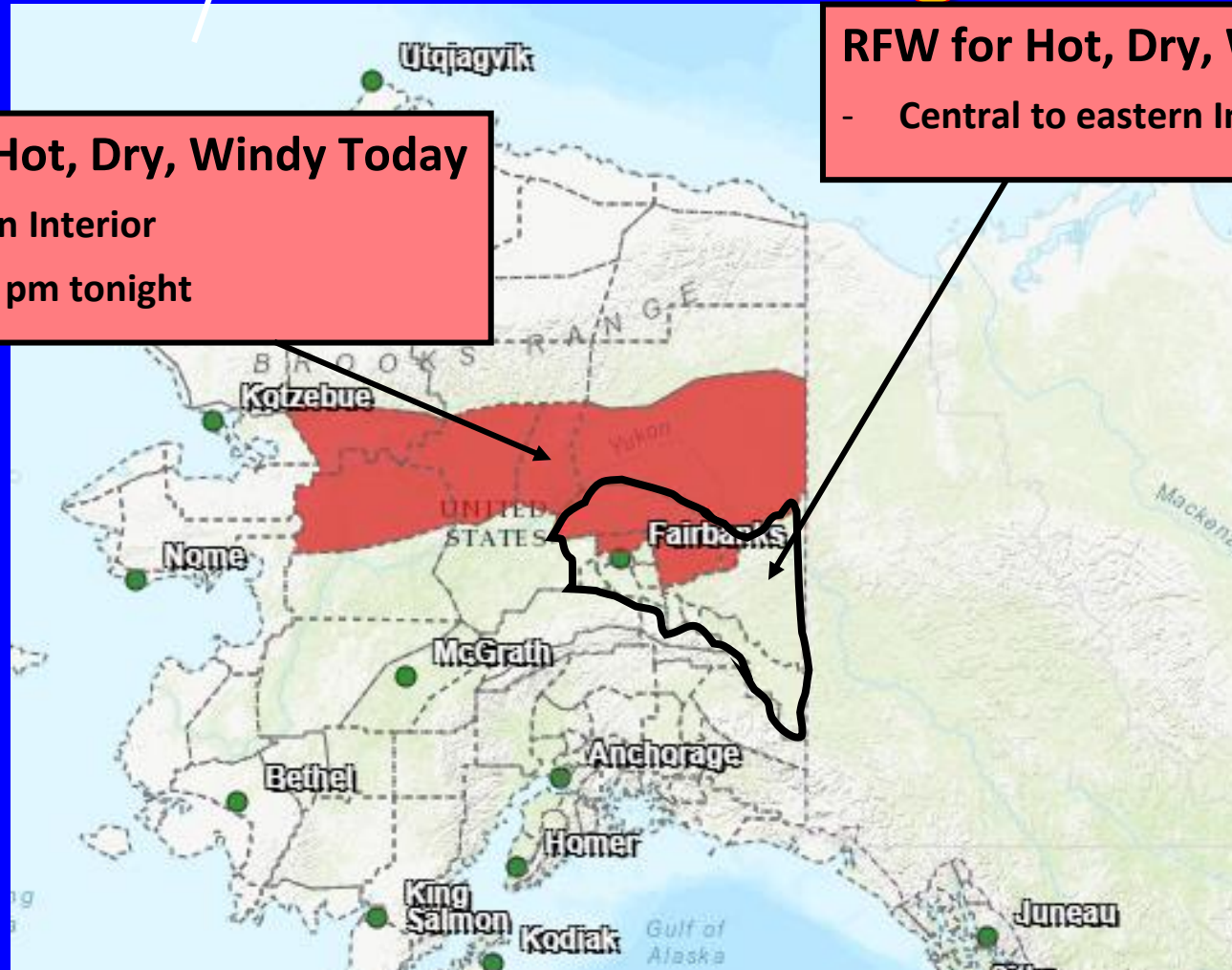
# Red Flag Warning

## RFW for Hot, Dry, Windy Today

- Northern Interior
- Until 10 pm tonight

## RFW for Hot, Dry, Windy Tomorrow

- Central to eastern Interior

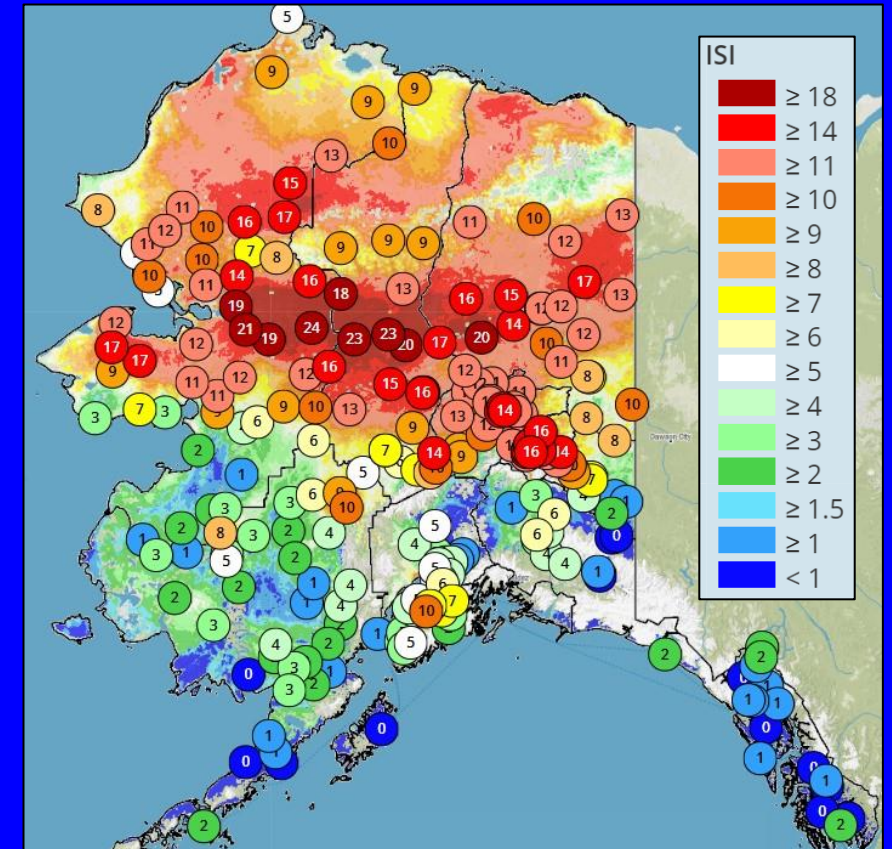


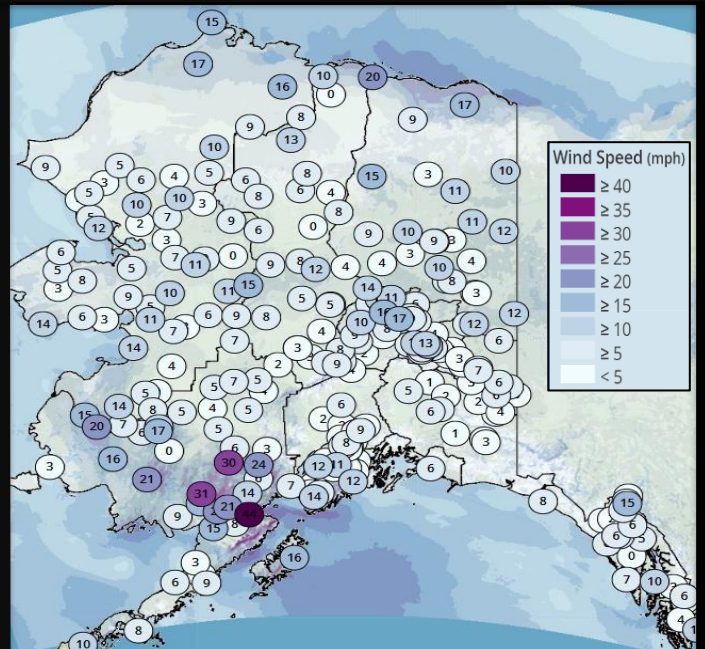
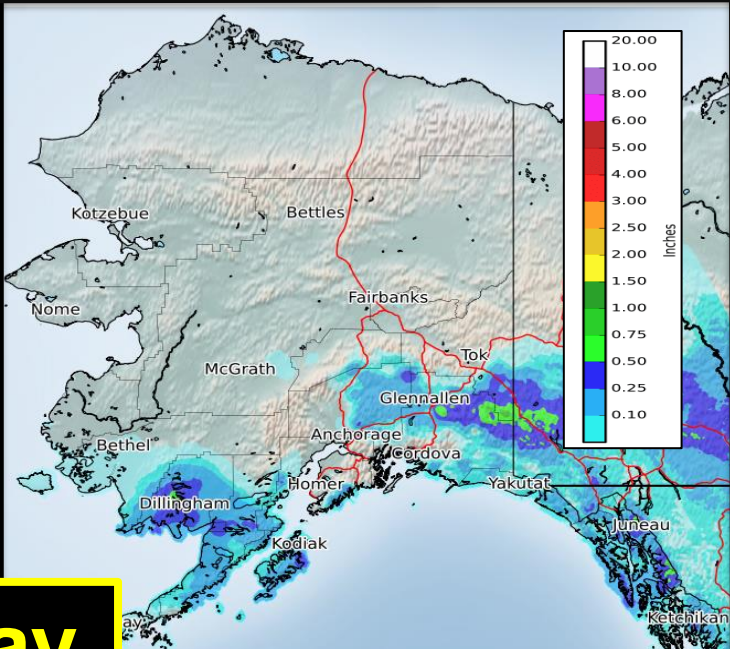
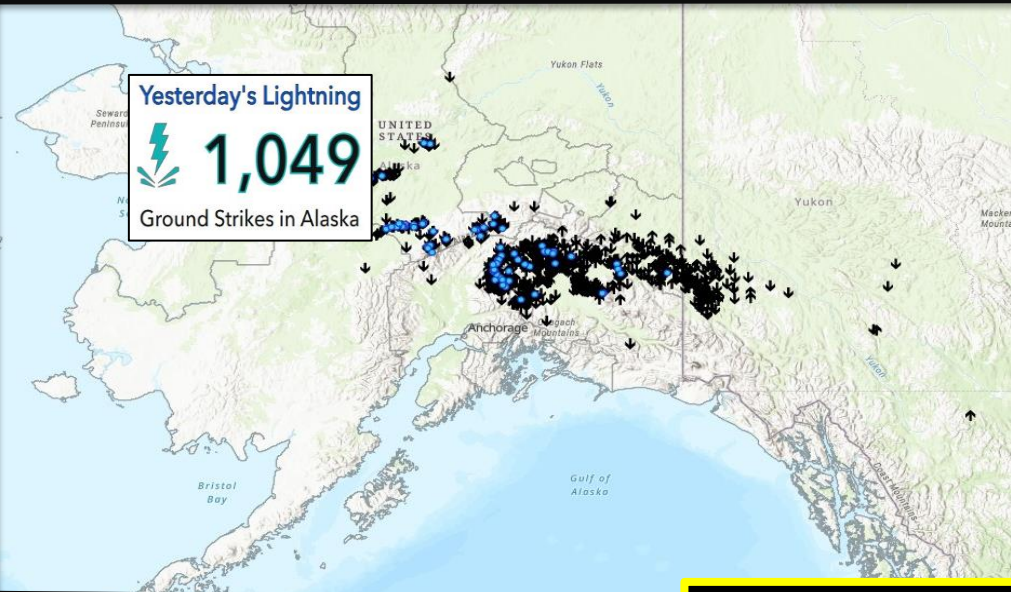
### General non-convective Red Flag Warning Criteria:

Temperature  $\geq 75^{\circ}\text{F}$

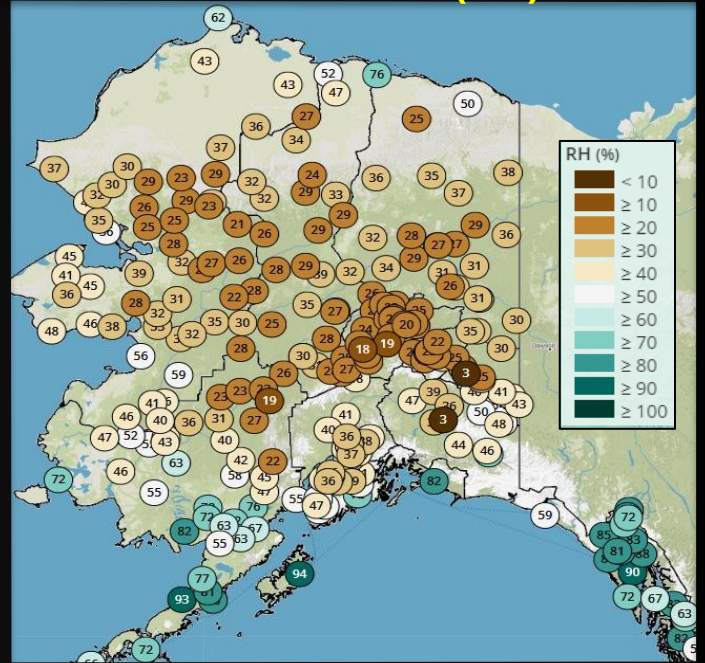
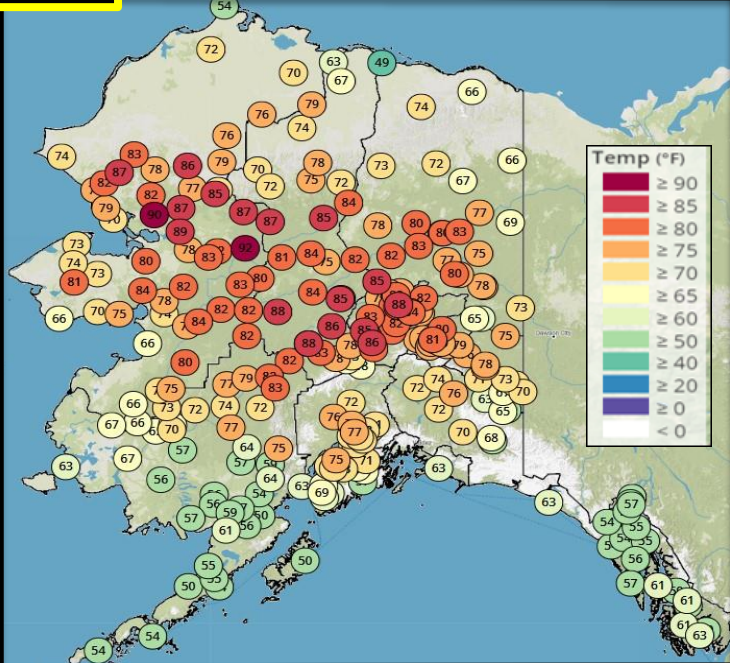
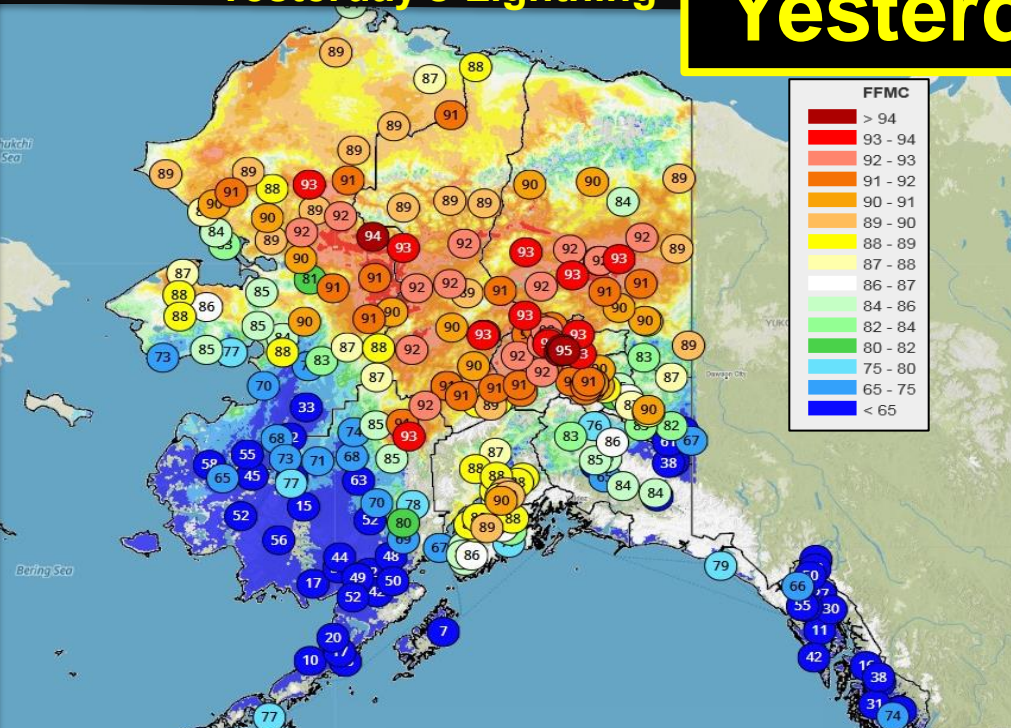
RH  $\leq 25\%$

Wind  $\geq 15$  mph (Sustained)





**Yesterday**

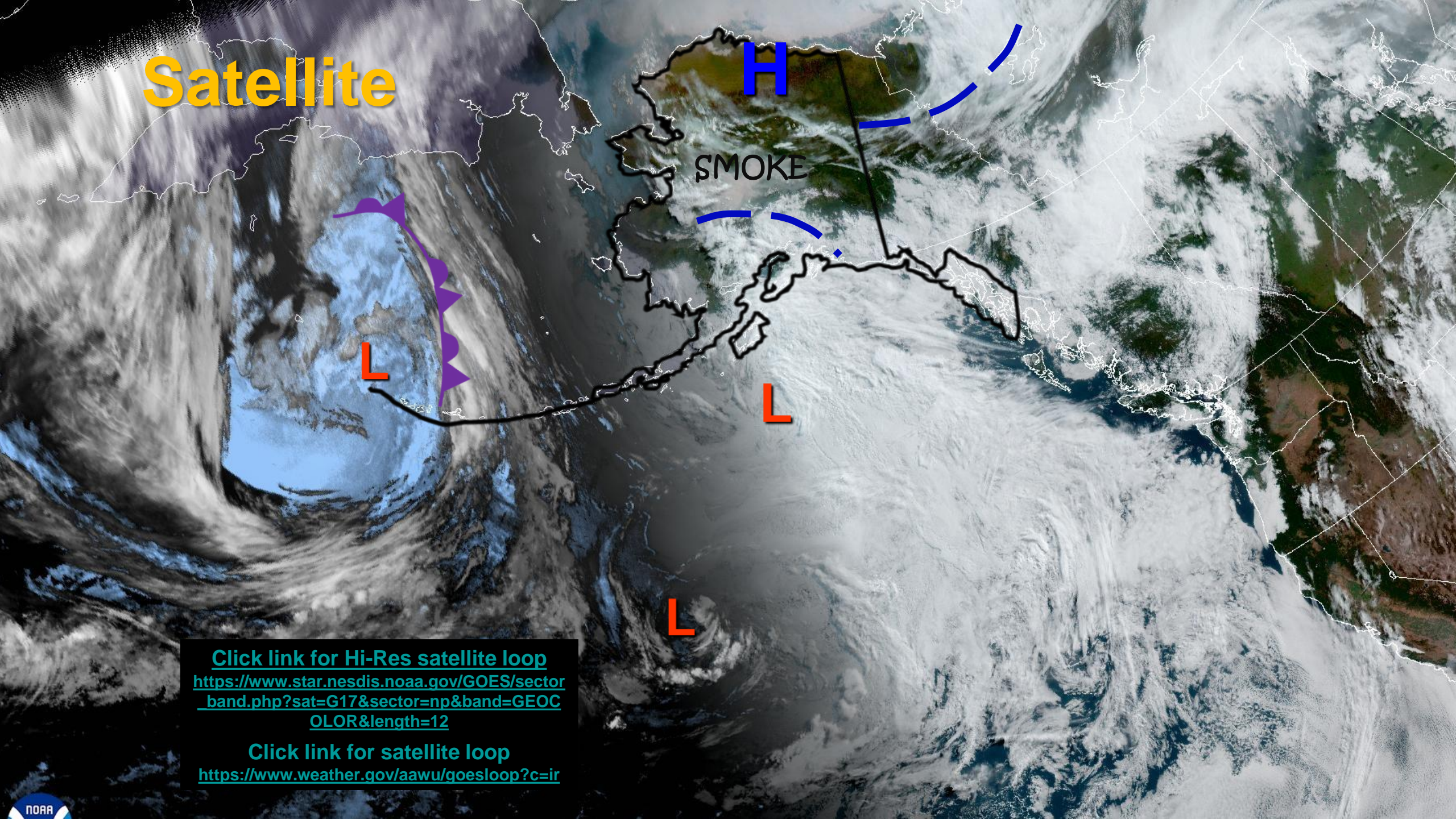


**Yesterday's Observed FFMC**

**Max Temperature (F)**

**Min RH (%)**

# Satellite

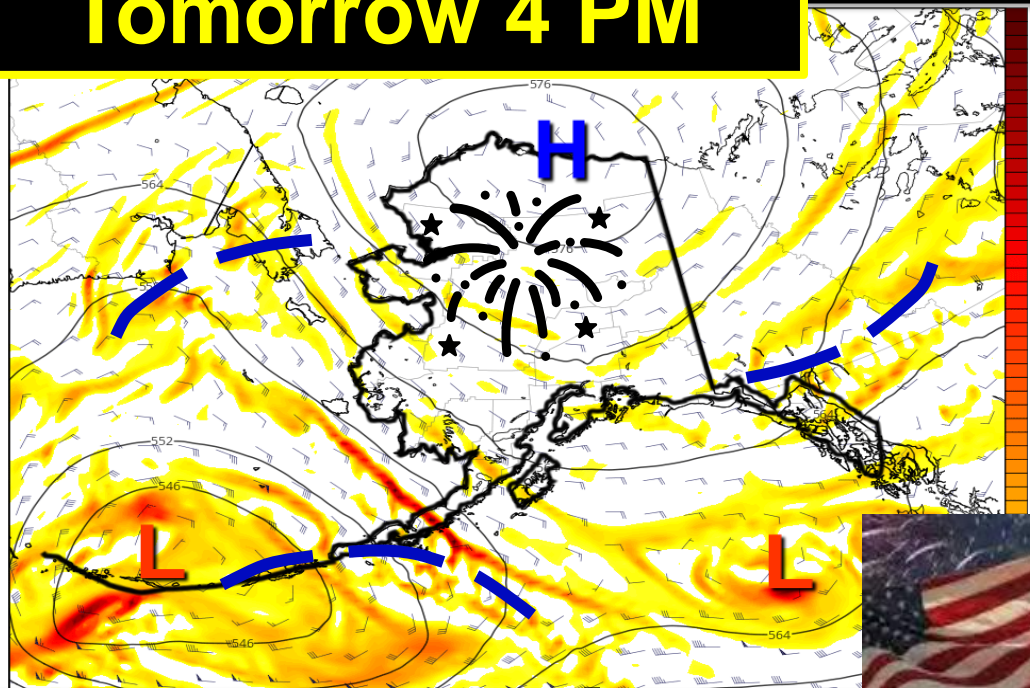


[Click link for Hi-Res satellite loop](https://www.star.nesdis.noaa.gov/GOES/sectorband.php?sat=G17&sector=np&band=GEOCOLOR&length=12)  
[https://www.star.nesdis.noaa.gov/GOES/sector](https://www.star.nesdis.noaa.gov/GOES/sectorband.php?sat=G17&sector=np&band=GEOCOLOR&length=12)  
[band.php?sat=G17&sector=np&band=GEOC](https://www.star.nesdis.noaa.gov/GOES/sectorband.php?sat=G17&sector=np&band=GEOCOLOR&length=12)  
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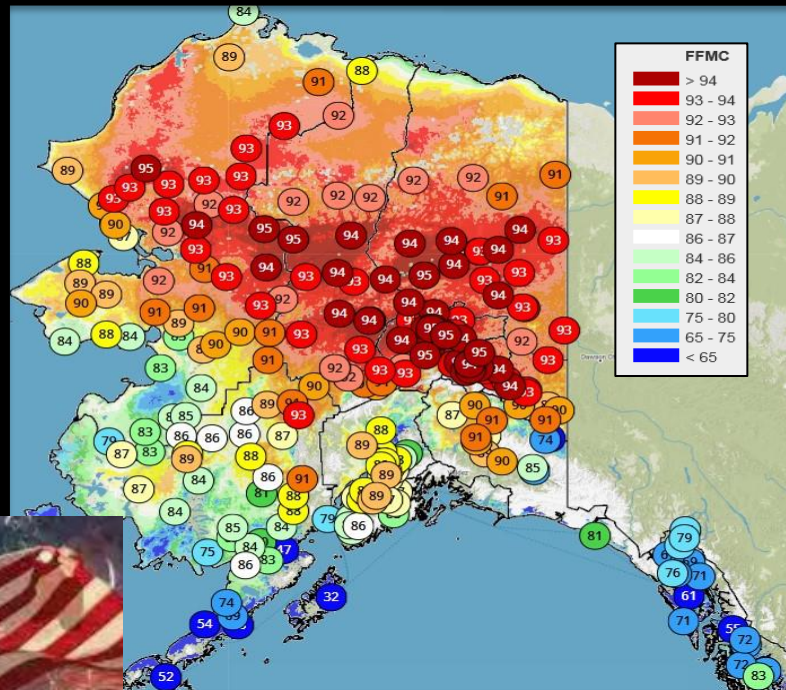
[Click link for satellite loop](https://www.weather.gov/aawu/goesloop?c=ir)  
<https://www.weather.gov/aawu/goesloop?c=ir>



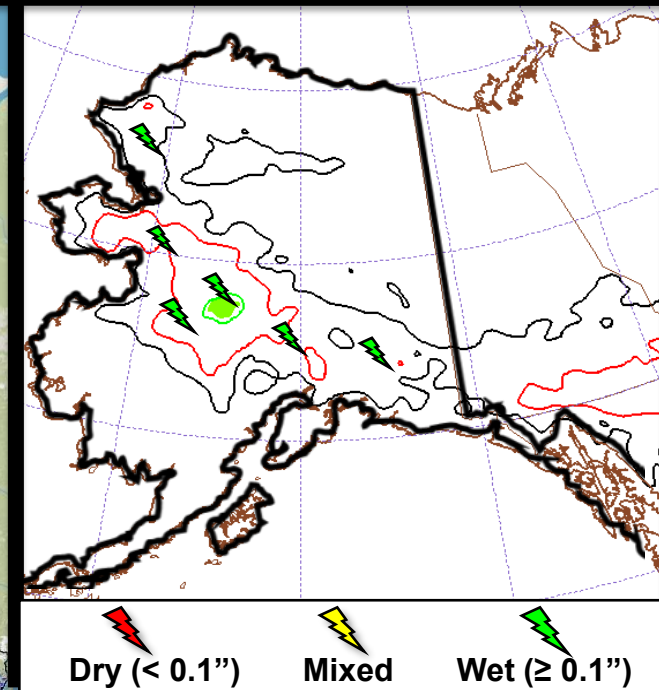
# Tomorrow 4 PM



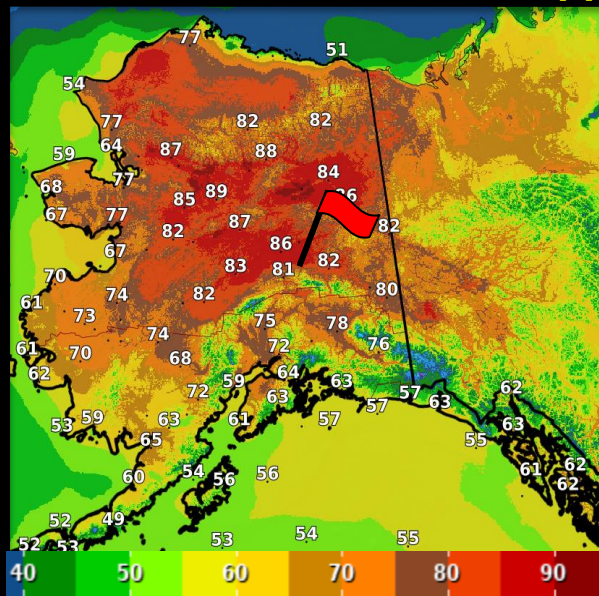
GFS 500 mb Upper Air (dm)



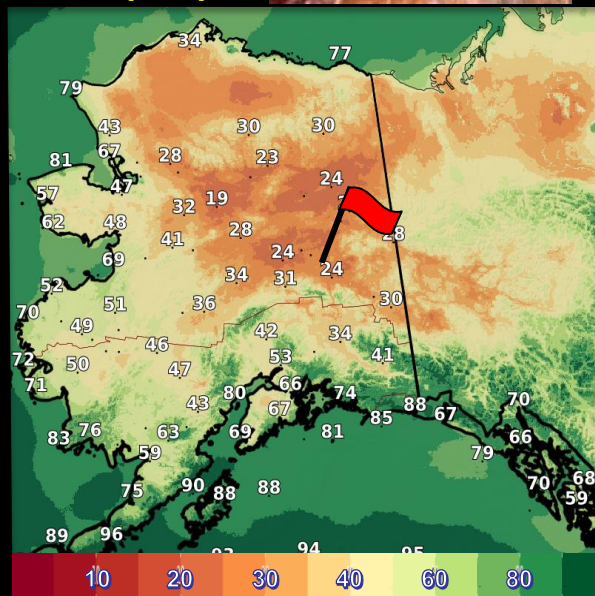
FFMC



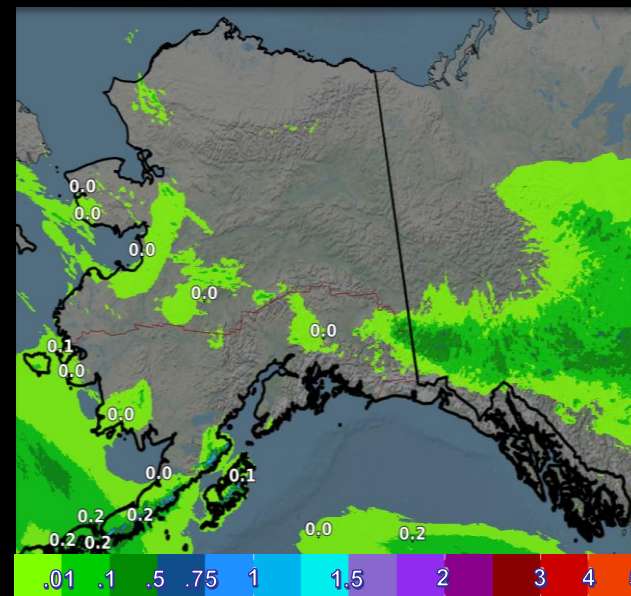
Thunderstorm Coverage



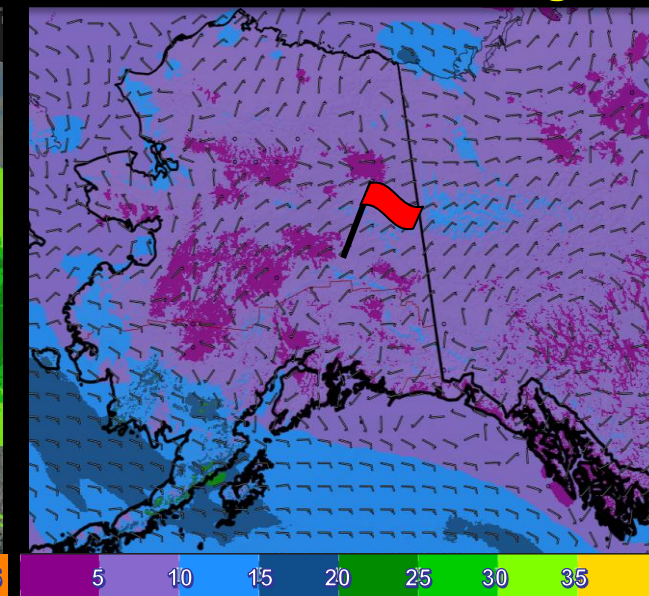
Max Temp (F)



Min RH (%)

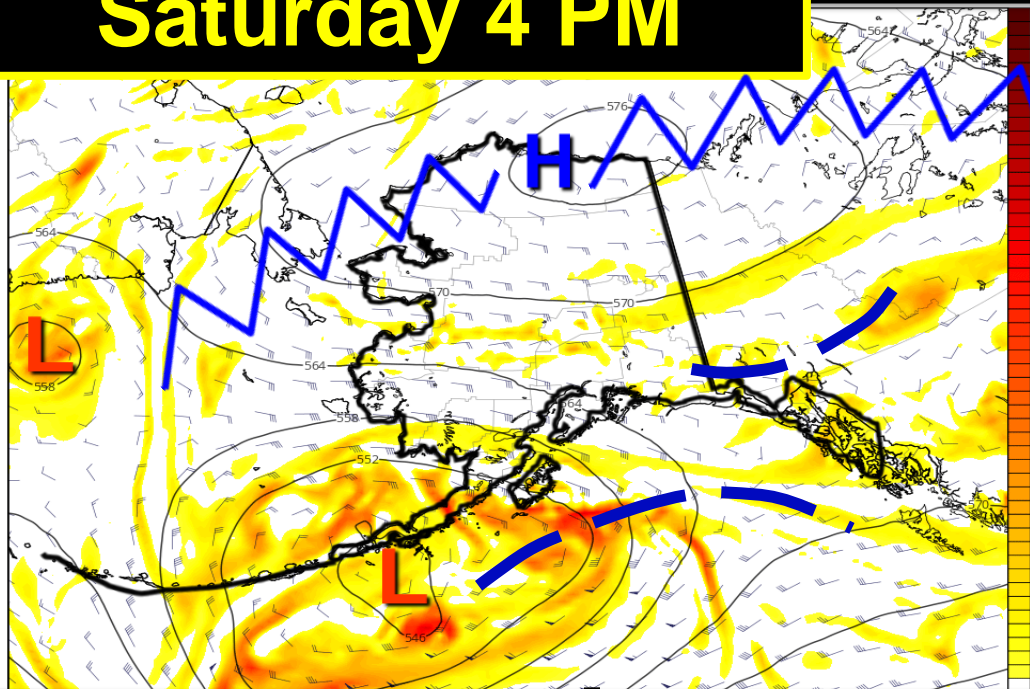


24-Hr Forecast Precip (in)

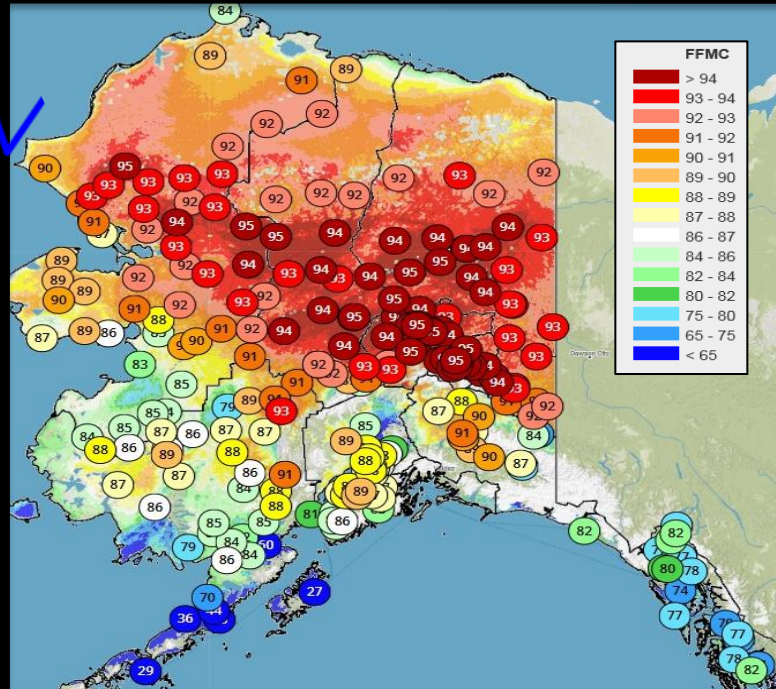


Surface Wind (kts)

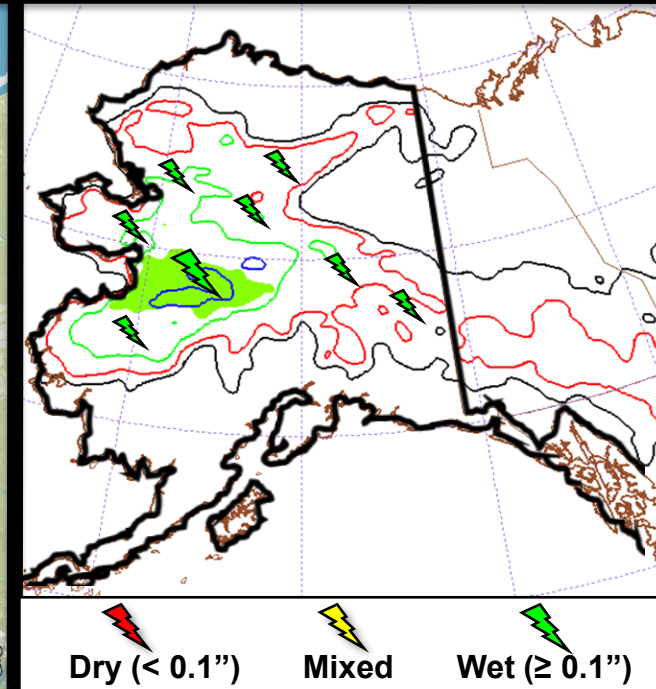
# Saturday 4 PM



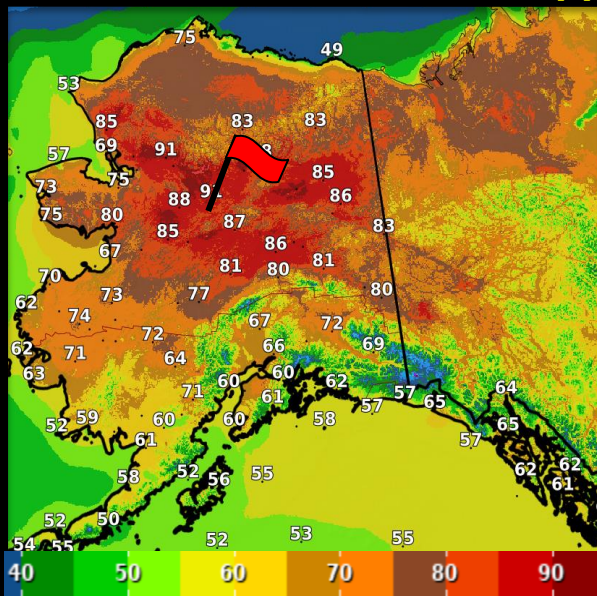
GFS 500 mb Upper Air (dm)



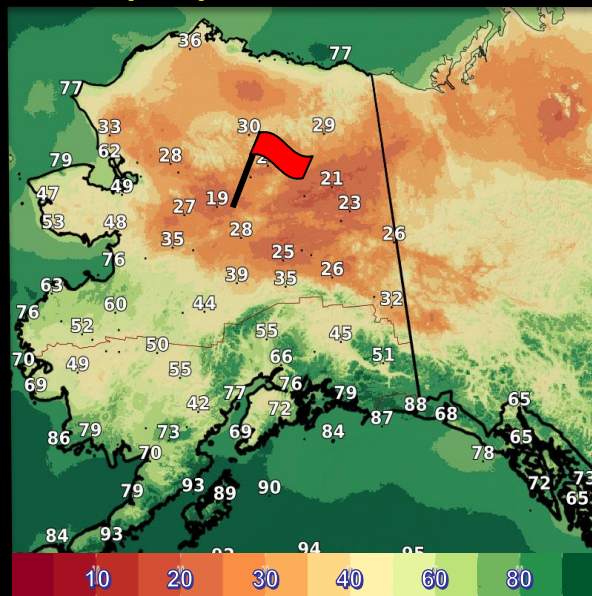
FFMC



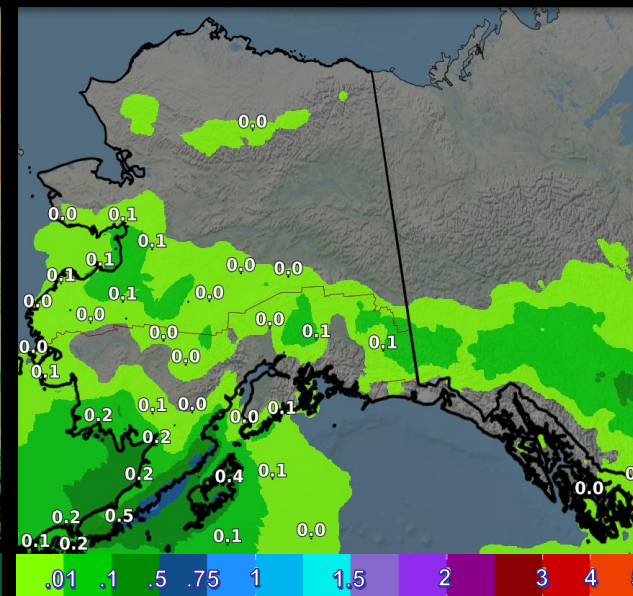
Thunderstorm Coverage



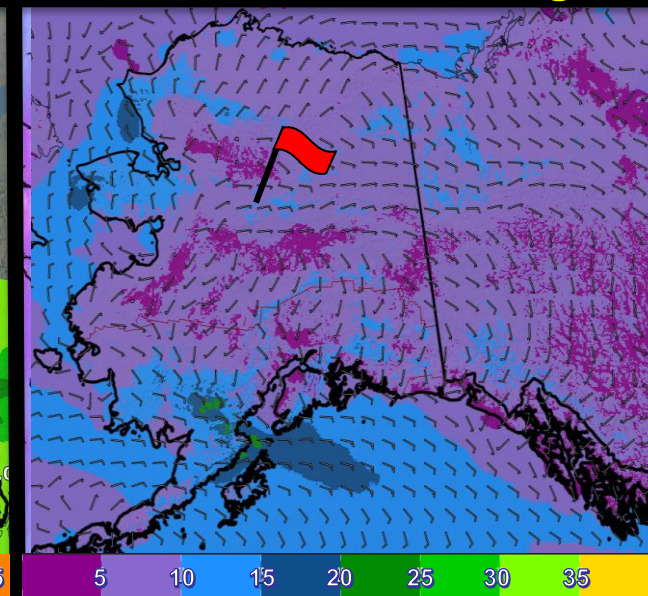
Max Temp (F)



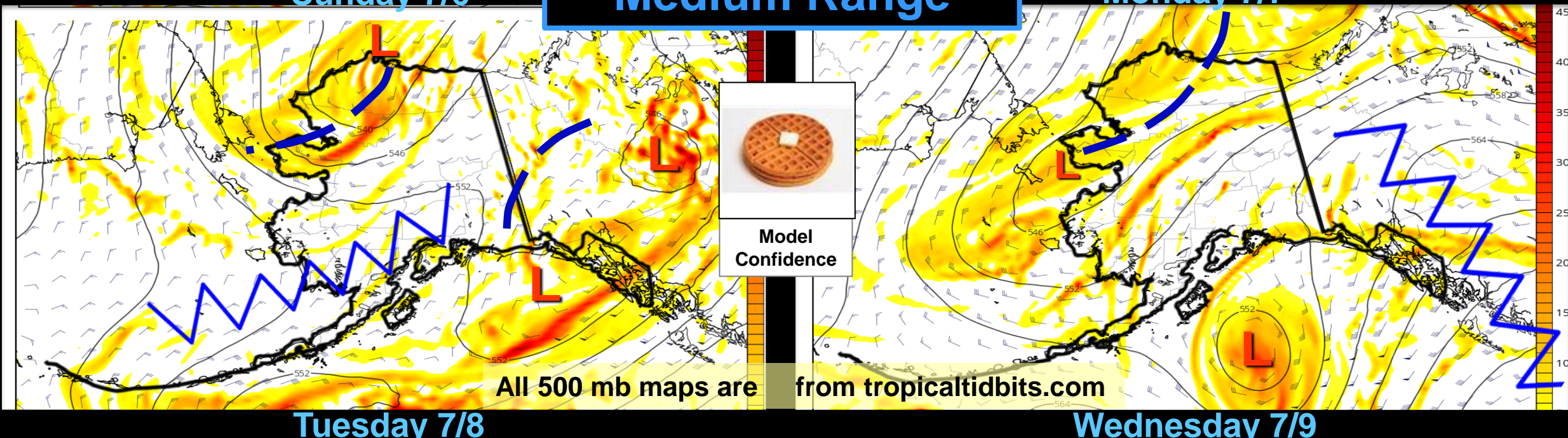
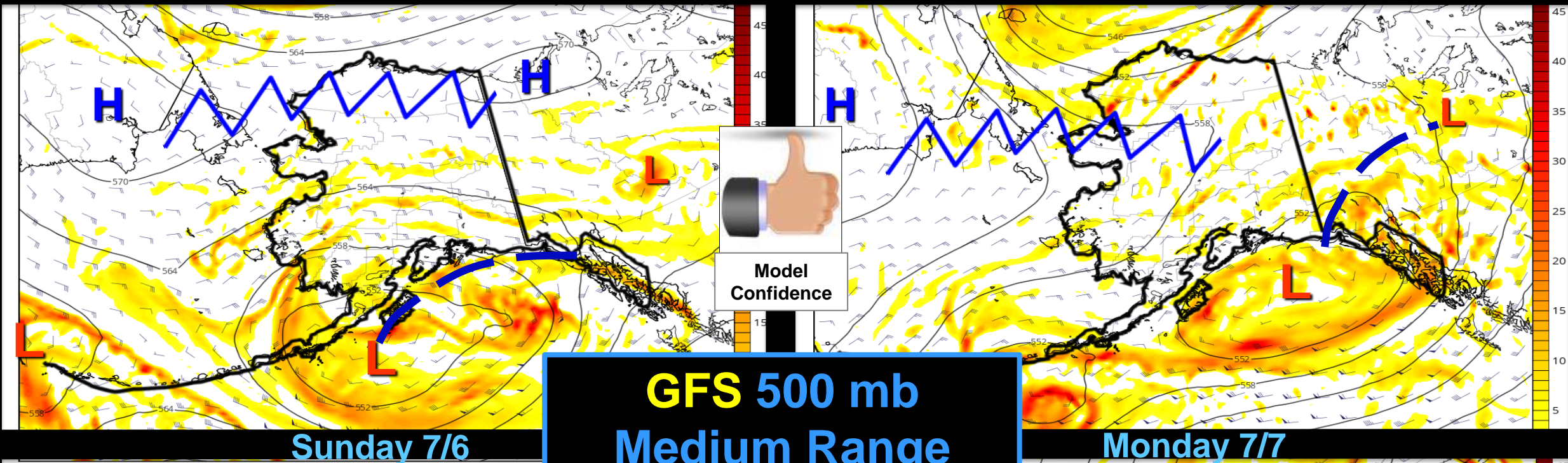
Min RH (%)



24-Hr Forecast Precip (in)

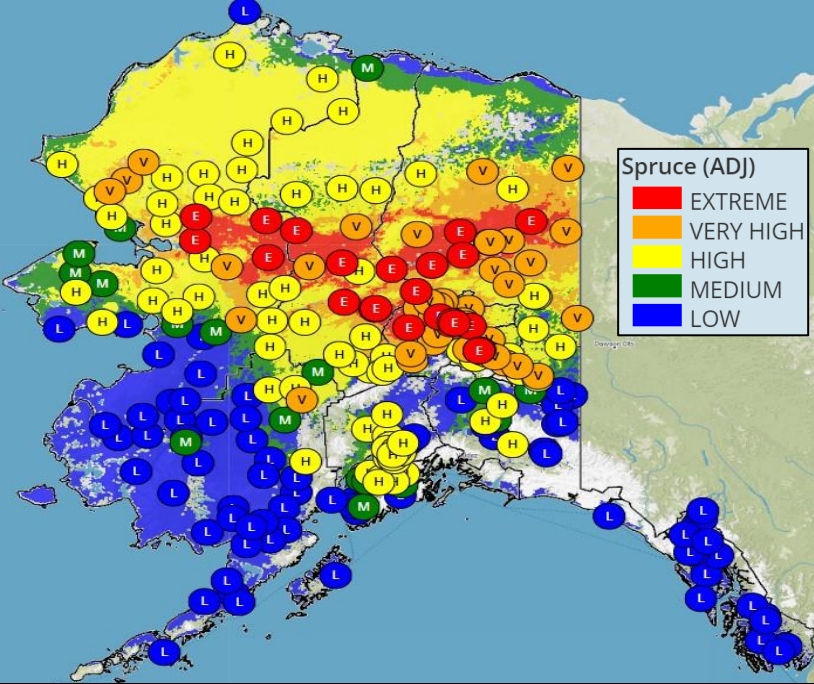


Surface Wind (kts)

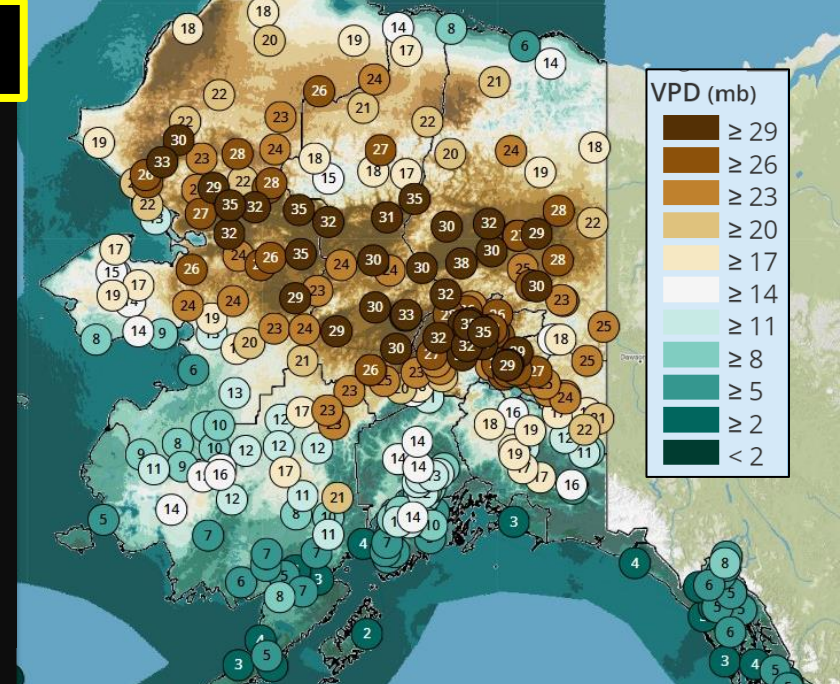


# Fuels & Fire Behavior

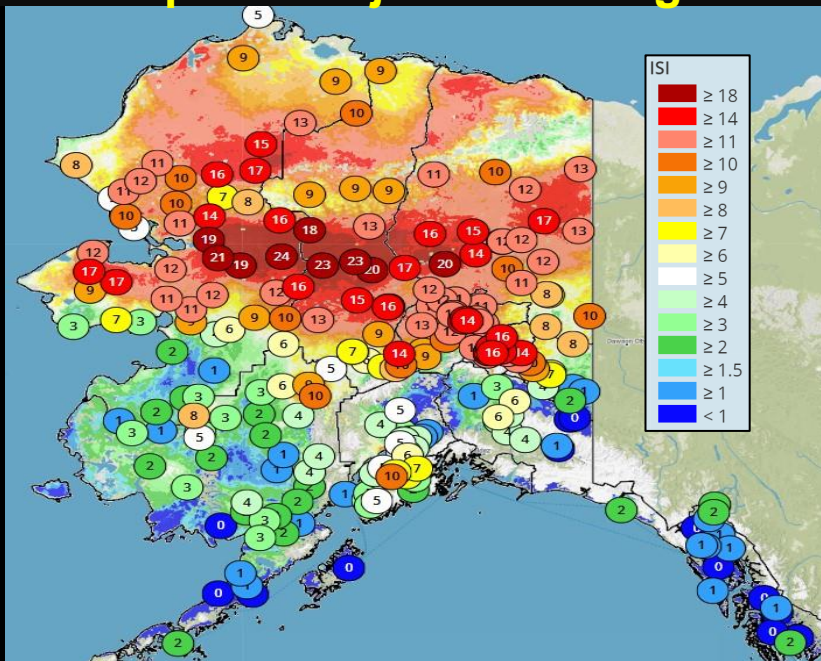
- We're still there! **Explosive Fire Behavior** with critically dry fuels + Hot + Dry + Wind
- Dangerous conditions with prolific crowning, rapid spread up to 2 mph
- Shift in concern to include NW Interior
- Expect extreme resistance to control.
- New lightning ignitions still likely



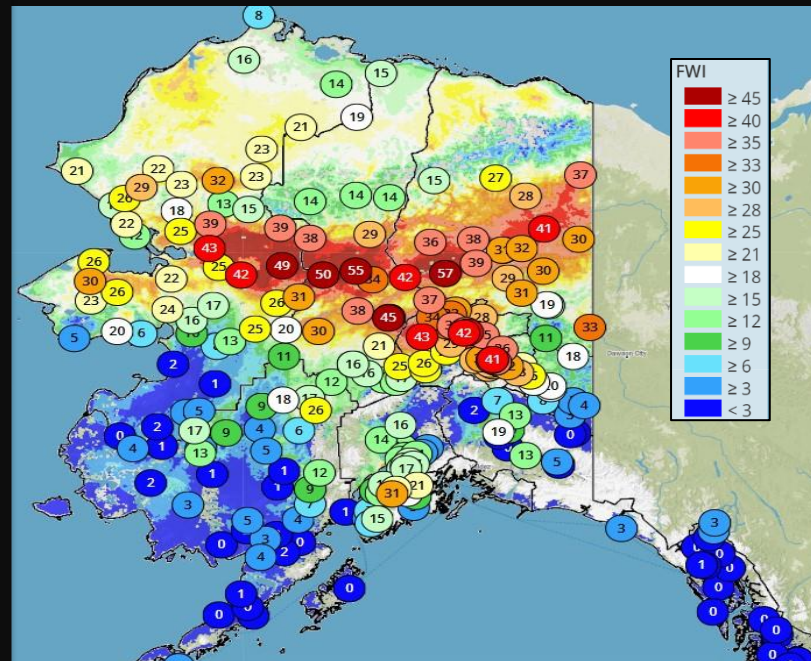
**Spruce Adjective Rating**



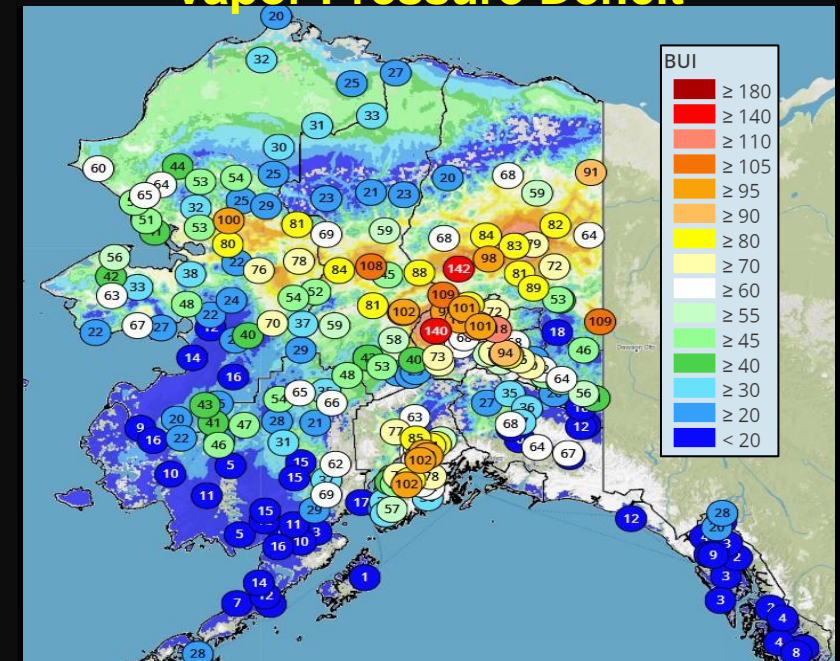
**Vapor Pressure Deficit**



**Initial Spread Index**



**Fire Weather Index**



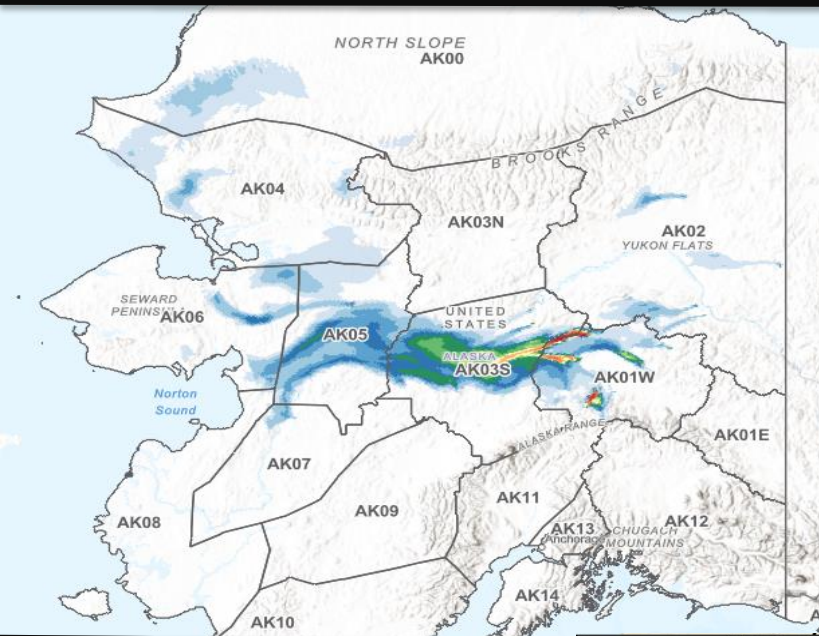
**Buildup Index**

# Air Quality Forecast

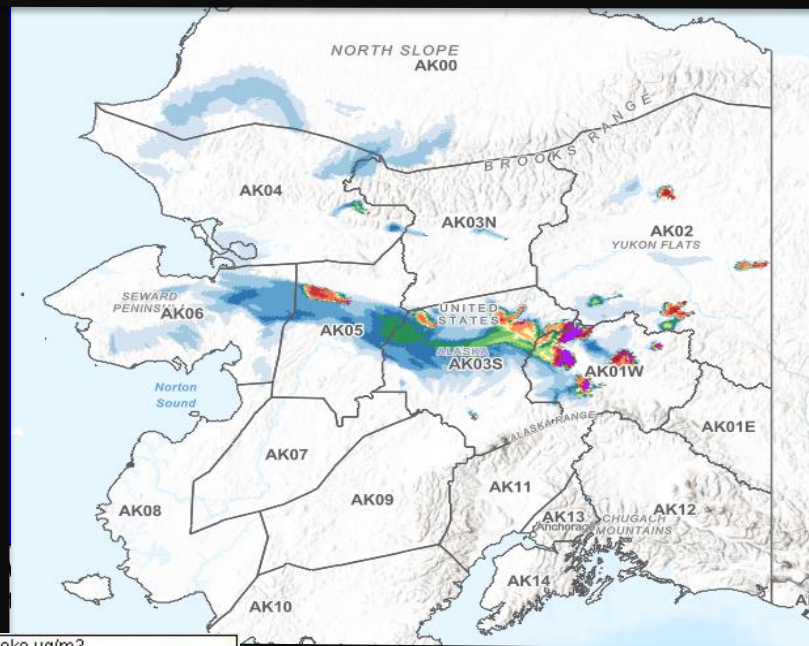
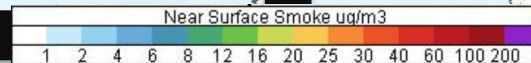
- A lot of smoke yesterday started degrading AQ in central to western Interior
- Western Tanana Valley and Middle Yukon will see worst conditions, generally Unhealthy to Moderate
- Conditions will worsen as smoke output increases

Link to Air Quality Info:

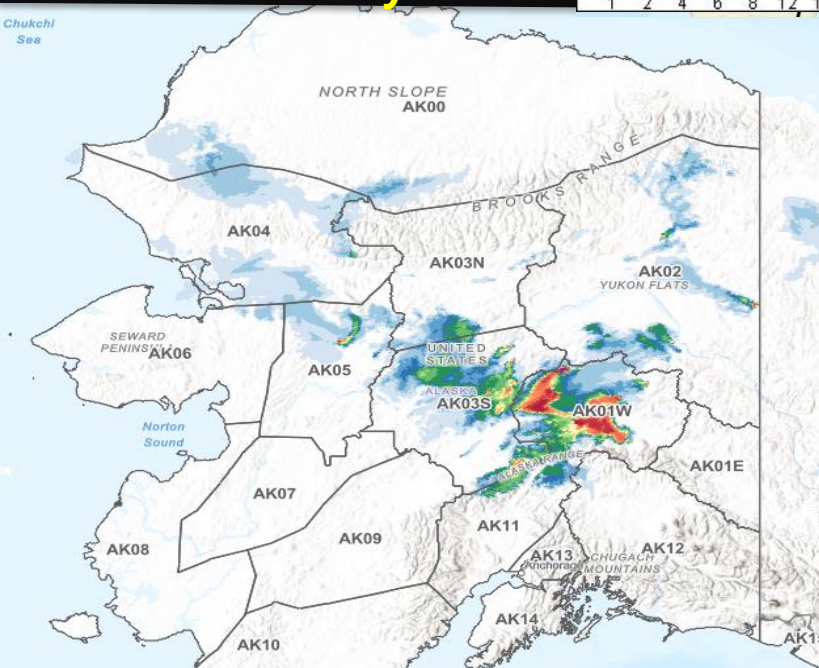
<https://outlooks.wildlandfiresmoke.net/outlook/e16e3fa2>



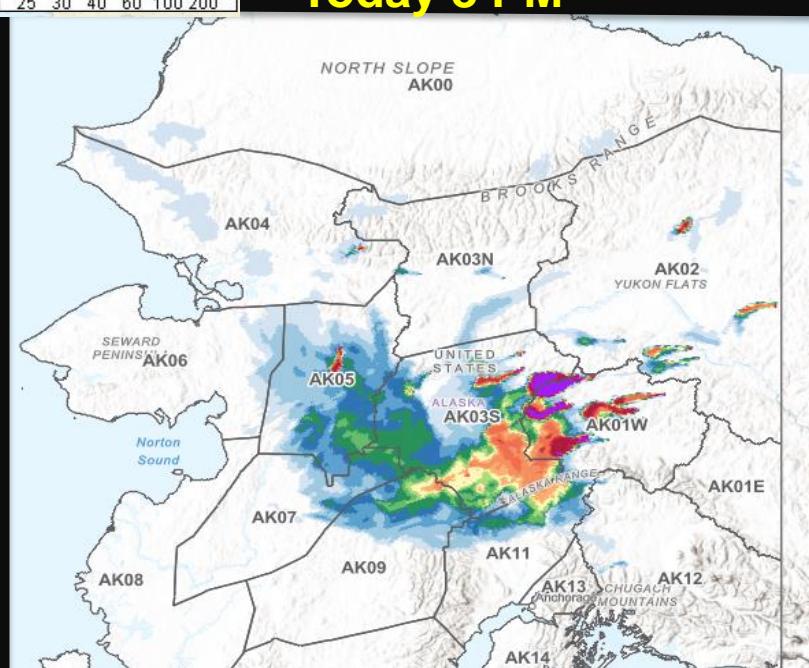
Today 2 PM



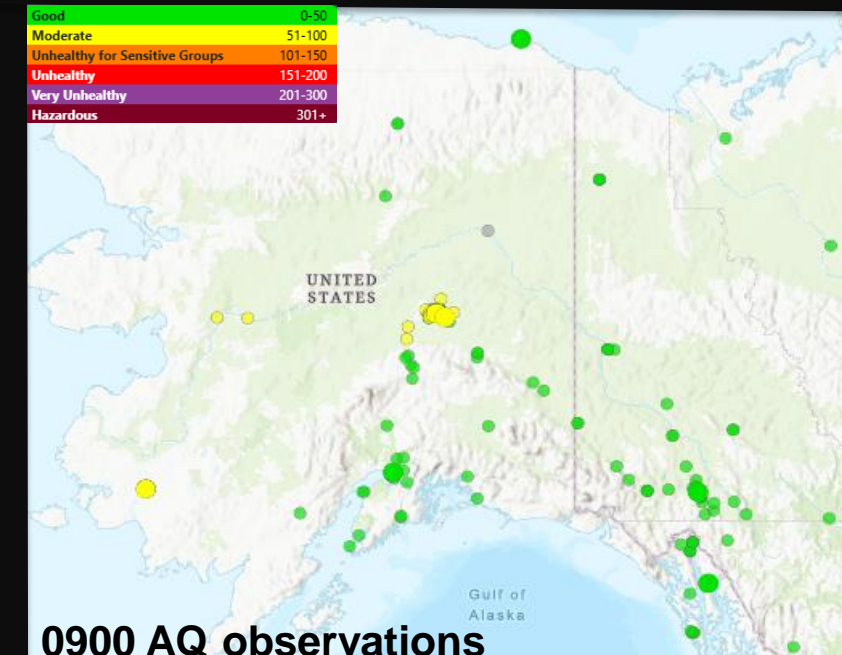
Today 8 PM



Tomorrow 8 AM



Tomorrow 8 PM





0900 AQ observations

Good	0-50
Moderate	51-100
Unhealthy for Sensitive Groups	101-150
Unhealthy	151-200
Very Unhealthy	201-300
Hazardous	301+

# Summary

## • Short-term Concerns

-  Hot & dry with gusty east winds:  
Red Flag Warning for much of  
northern Interior today for **Hot-Dry-Windy**
-  Tomorrow sees the area of RFW  
concern shift to eastern Interior
  - Low RH recoveries across Interior
  - Isolated thunderstorms possible,  
mainly in western Interior today
  - Mostly dry for southern AK  
through Saturday

## • Medium Range Forecast

- High pressure keeps hot & dry in Interior  
with breezy easterly winds at times, and a  
chance of thunderstorms
- Frontal system moves to southern AK  
coast over weekend: wet & windy, but may  
not bring rain inland- Low confidence
- Next week still hazy as models continue to  
argue over possible solutions

