



# Northern California Smoke Transport and Stability Outlook

Smoke Call Status: **Daily @ 1300 hrs PDT Mon-Fri except Holidays**

Issued: **12:30 PM Friday, October 11, 2024**

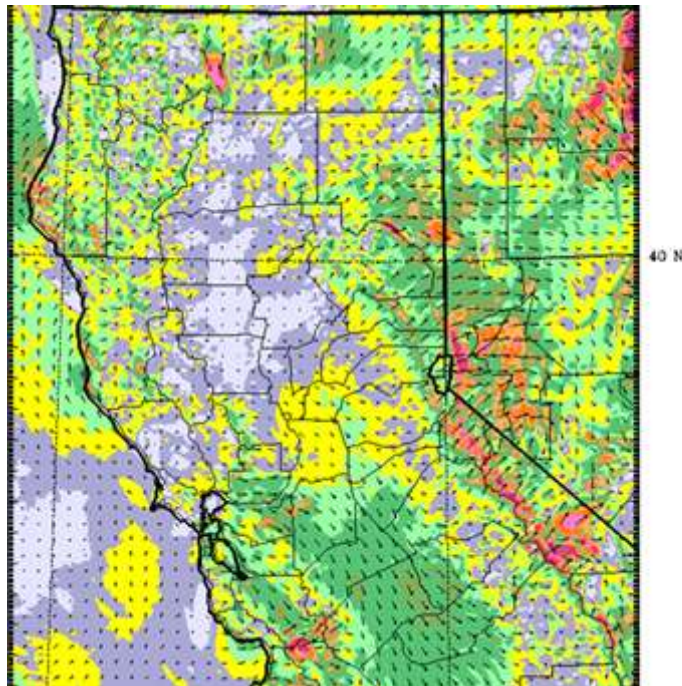
## Discussion - Saturday & Sunday

Pacific Low-Pressure system will cross over the area Sat and be to the east of the area on Sun as it weakens. Mixing heights should be at near to above normal levels across most of the area although shower activity on Sat will hold back some of that for a period of time. Afternoon transport winds will generally be of the onshore kind with NW-W-SW-S directions. Overnight winds will be variable with a more distinct northerly flow across central areas during the morning of Sun. Larger pockets of lesser horizontal flow is likely to occur Sun thus delaying the onset of inversion breaking in areas.

## Transport Winds

(mph)

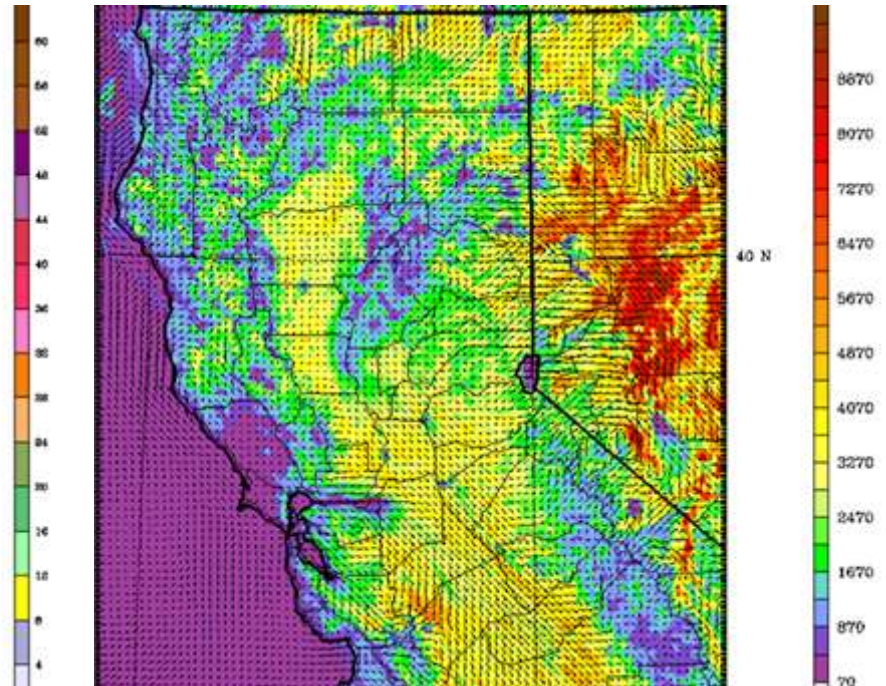
Saturday Afternoon



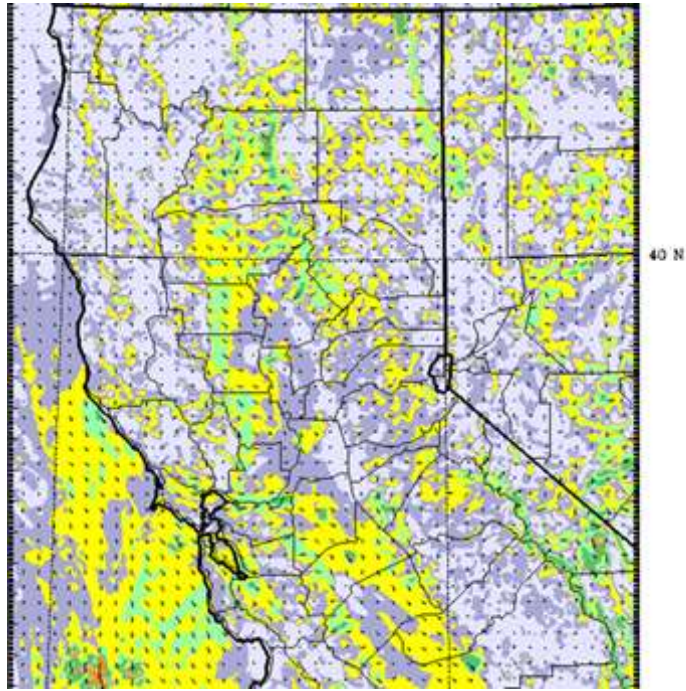
## Mixing Heights

(ft AGL)

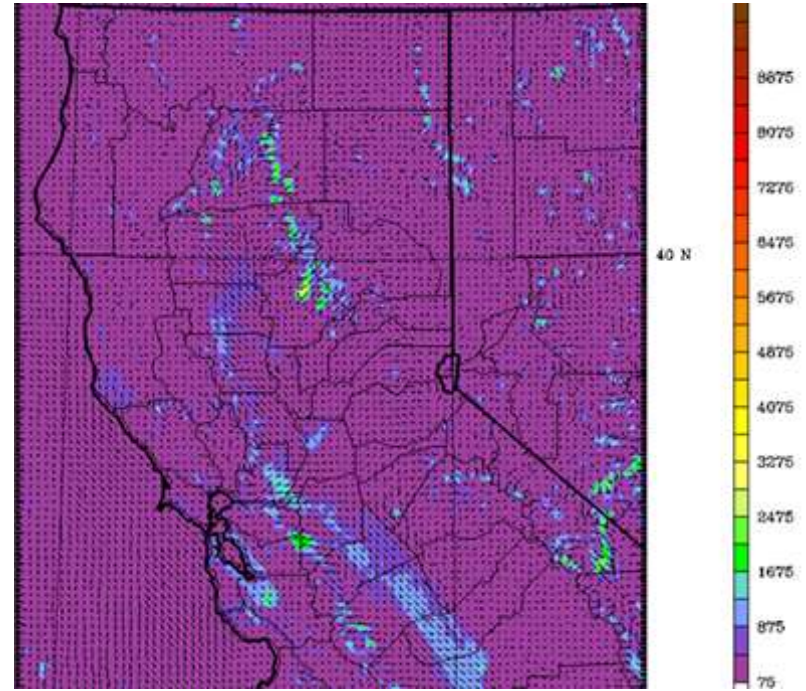
Saturday Afternoon



*Saturday Night*



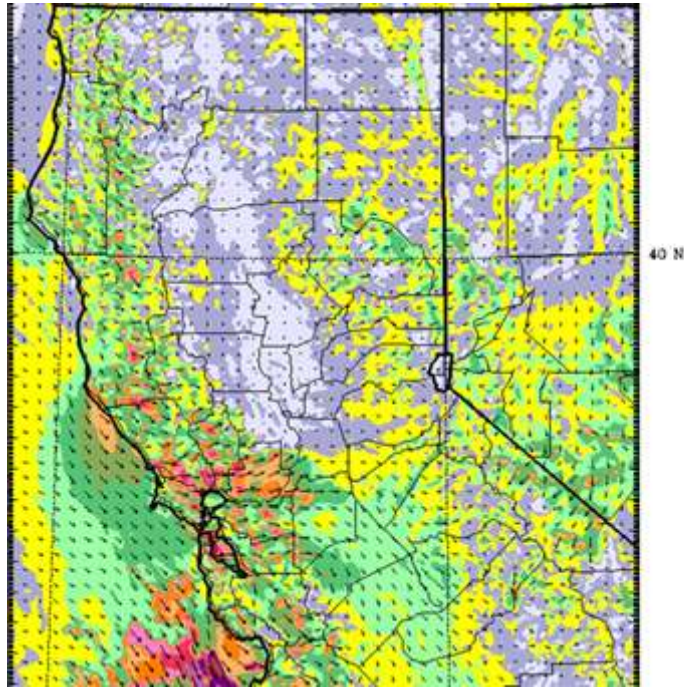
*Saturday Night*



Click on images to enlarge

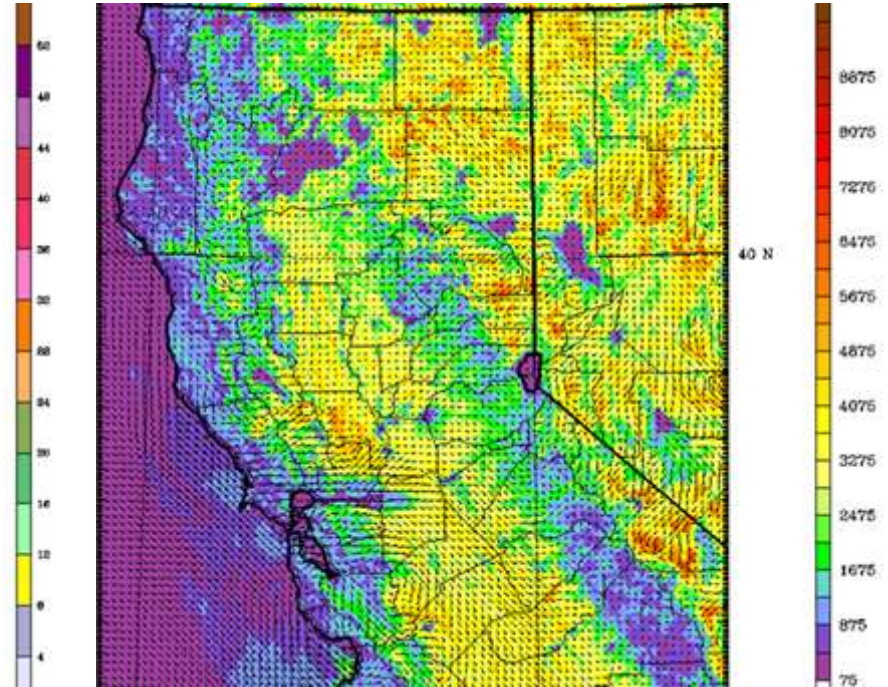
## *Transport Winds*

*Sunday Afternoon*



## *Mixing Heights*

*Sunday Afternoon*



### **Extended Outlook: Monday - Wednesday**

Initial Ridging impacts and lower ventilation likely Mon before improving conditions, both mixing heights and transport winds, Tue & Wed due to a 2nd Pacific system. A possible partial to full clean-out period could occur Tue-Wed with more dominant onshore flow. Can't rule out some shower activity on Wed with the passing Trough.

### **Helpful Resources:**

[Air Resources Board](#)

[San Joaquin Air Quality](#)

[AirNow Fire and Smoke Map](#)

[North Zone Predictive Services Weather Page](#)

[South Zone Predictive Services Weather Page](#)

[NWS California Fire Weather Page](#)

[NWS Spot Forecast Request](#)



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*This Product was developed by the Predictive Services group, located at the North Zone Coordination Center in Redding, California*

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