



# Northern California Smoke Transport and Stability Outlook

Smoke Call Status: **Everyday Mon-Fri @ 1300 hrs. (except holidays)**

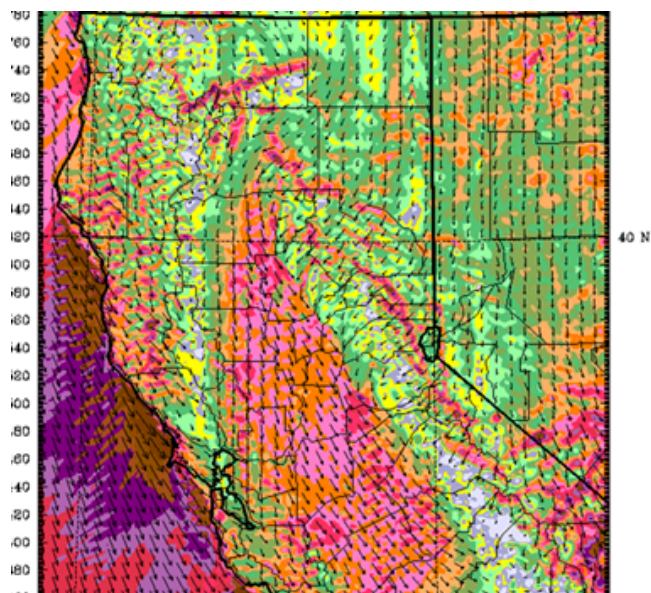
Issued: **12:30 PM Tuesday, March 12, 2024**

## Discussion:

Transition towards more Ridging influences this weekend which means a little more stable airmass including stronger nighttime inversions. Transport winds will also trend weaker overall although some steadier speeds will be found west of the Crest to the Sacramento Valley on Sat. Much lighter speeds on Sun. Ventilation will be a bit more variable across the area on Sat with poor to good values but will be noticeably lower Sun with poor to moderate values.

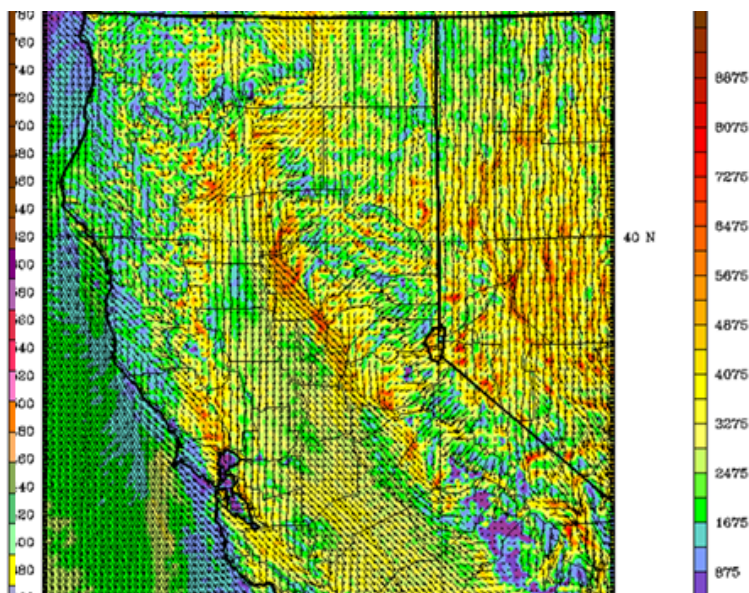
## Transport Winds

(mph)  
Wednesday Afternoon

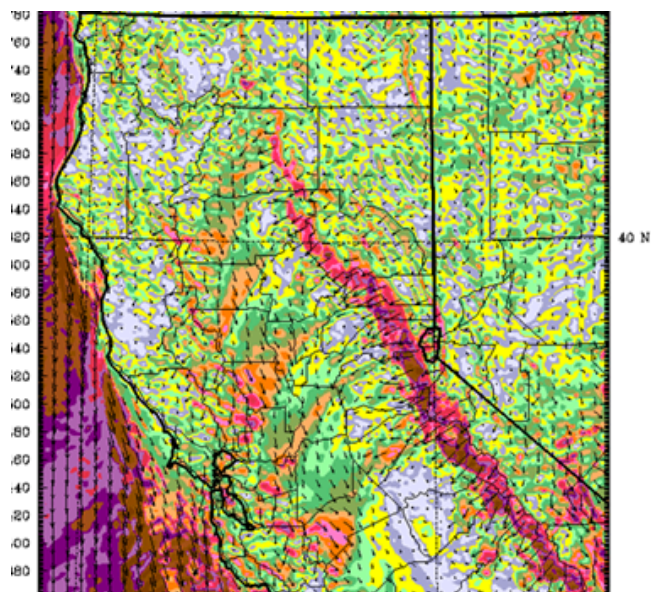


## Mixing Heights

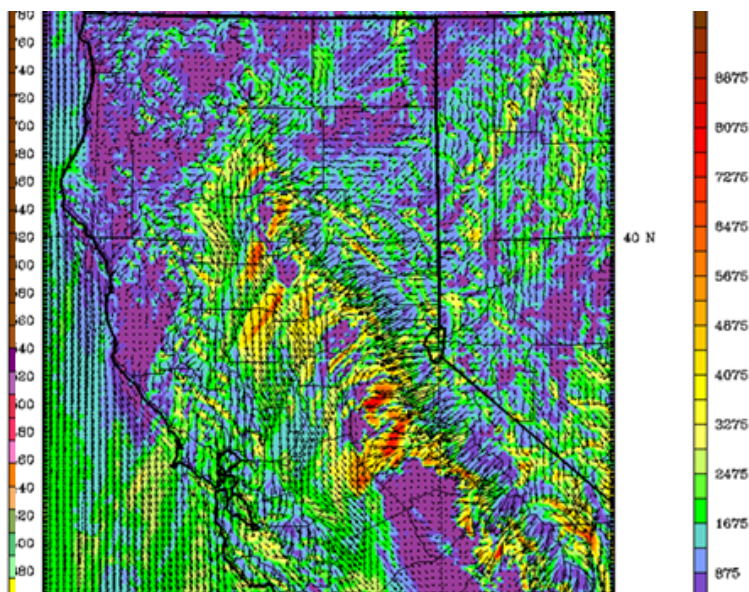
(ft AGL)  
Wednesday Afternoon



Wednesday Night



Wednesday Night

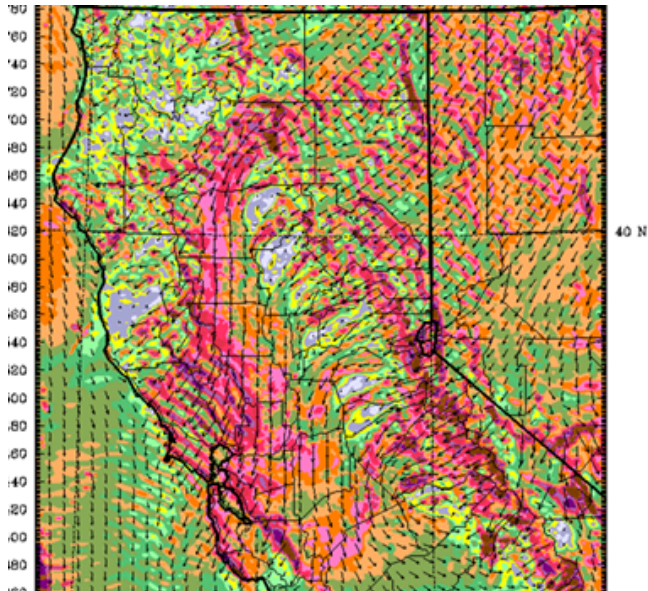


Click on images to enlarge



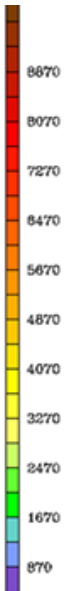
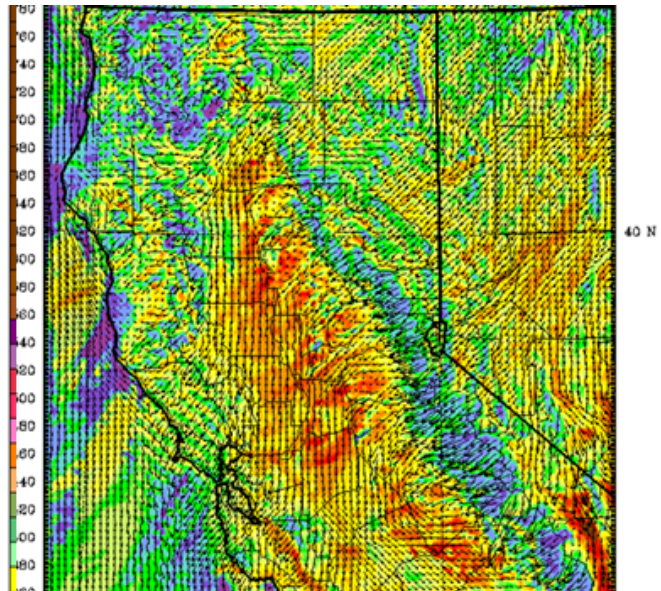
## ***Transport Winds***

***Thursday Afternoon***



## ***Mixing Heights***

***Thursday Afternoon***



### **Extended Outlook: Friday - Sunday**

Disturbances will start to work on the Ridge during the earlier half of next week and parts of the region will be under the influence of both entities. Daytime mixing should gradually increase, especially on Wed but will only be incremental increases. Transport winds should also gradually increase and become a bit more S-SW over time. Worst ventilation will be Mon with transitioning values Tue and becoming moderate to locally good on Wed. Some showers will enter back into the forecast favoring western areas Tue & Wed.

### **Helpful Resources On-Line:**

[Air Resources Board](#)  
[San Joaquin Air Quality](#)  
[North Zone Predictive Services](#)  
[South Zone Predictive Services](#)  
[SPOT Forecast Request North](#)  
[SPOT Forecast Request South](#)



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