



Northern California Smoke Transport and Stability Outlook

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

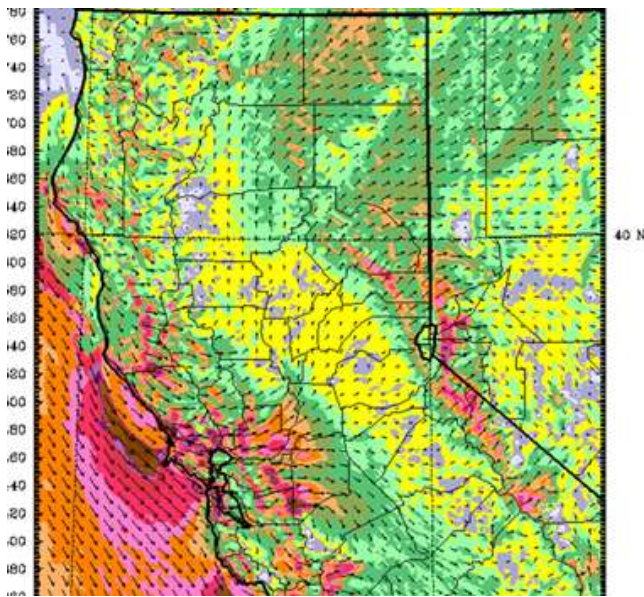
Issued: **12:30 PM Thursday, August 11, 2022**

Discussion:

Gradual weakening of the offshore low with a building ridge during Fri & Sat. Mixing heights should be seasonal if not a little above seasonal levels in areas. Overnight inversions will strengthen. Transport winds will generally be westerly or southerly and lessen Sat compared to Fri. Pockets of lighter transport winds will be found within the Sac Vly, especially on Sat. Overall, moderate to good ventilation expected Fri but lowers on Sat with poor to moderate levels.

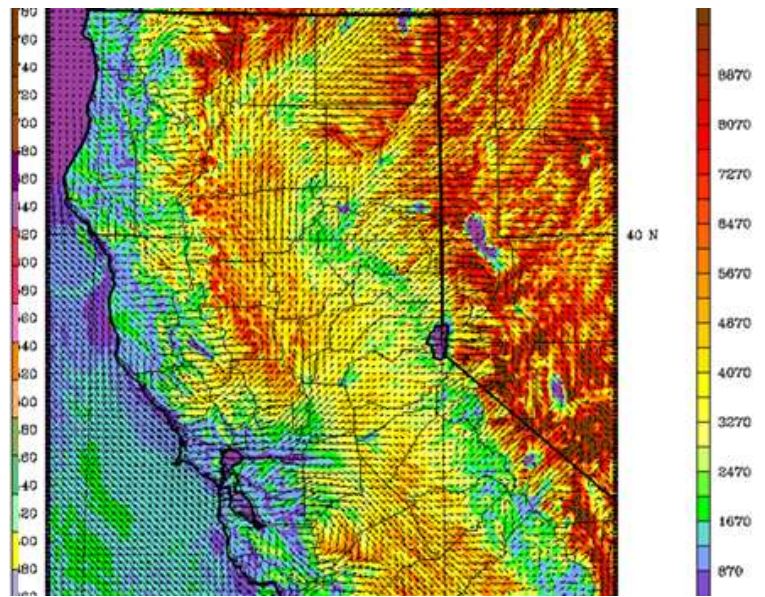
Transport Winds

(mph)
Friday Afternoon

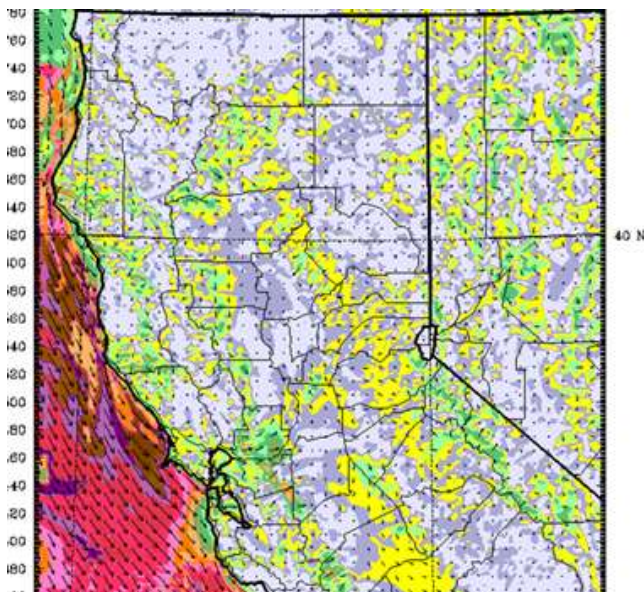


Mixing Heights

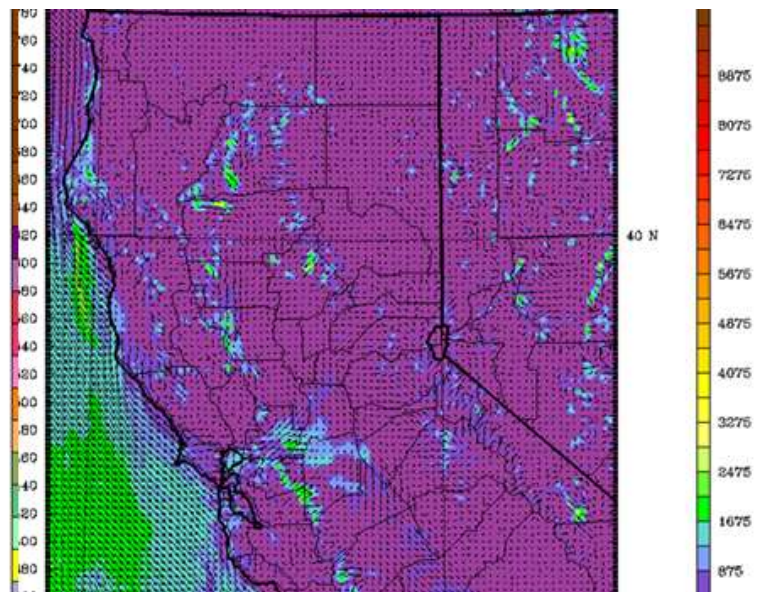
(ft AGL)
Friday Afternoon



Friday Night



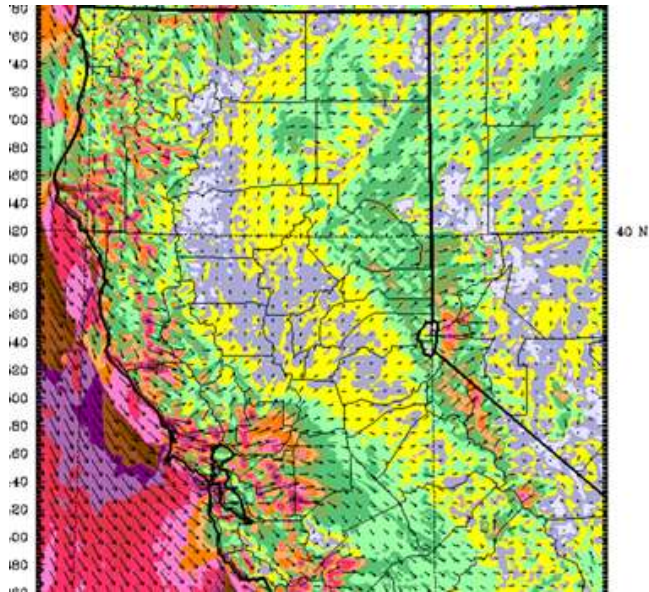
Friday Night



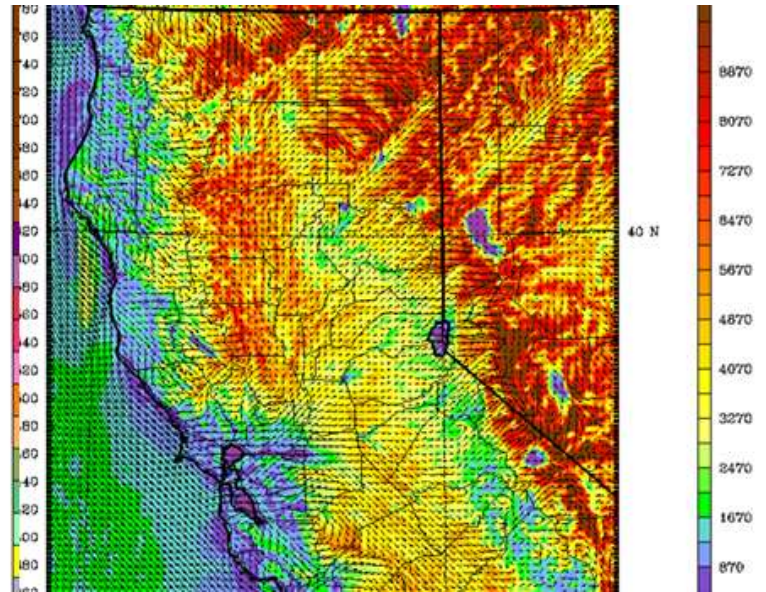
Click on images to enlarge

Transport Winds

Saturday Afternoon

**Mixing Heights**

Saturday Afternoon

**Extended Outlook: Sunday - Tuesday**

Ridge should continue to strengthen with a near offshore Low early next week. This means an increasing unstable weather pattern with an influx of Monsoon moisture perhaps starting as early as Mon but more so Tue. Transport wind flow should be more variable and lighter outside of thunderstorm outflow concerns early next week. Ventilation should improve some early next week.

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