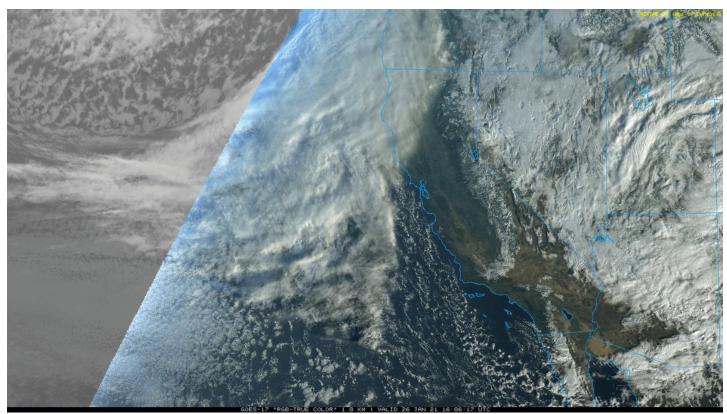
Twitter Thread by Daniel Swain

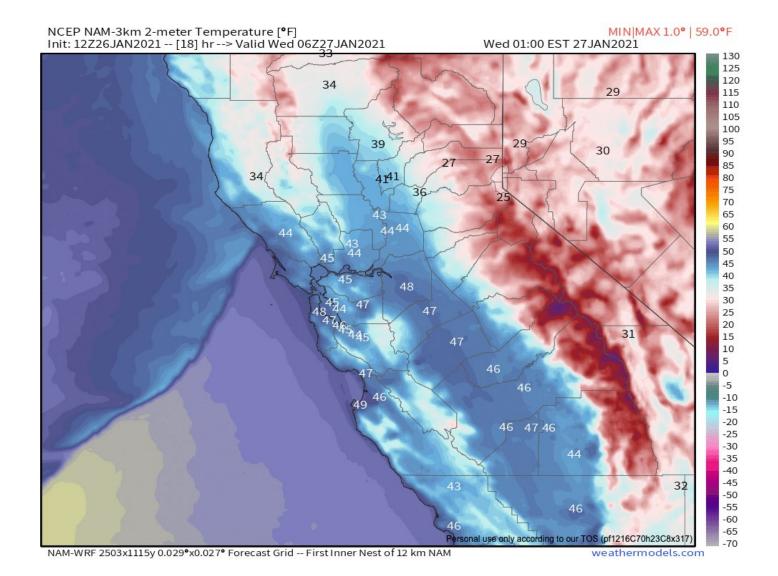




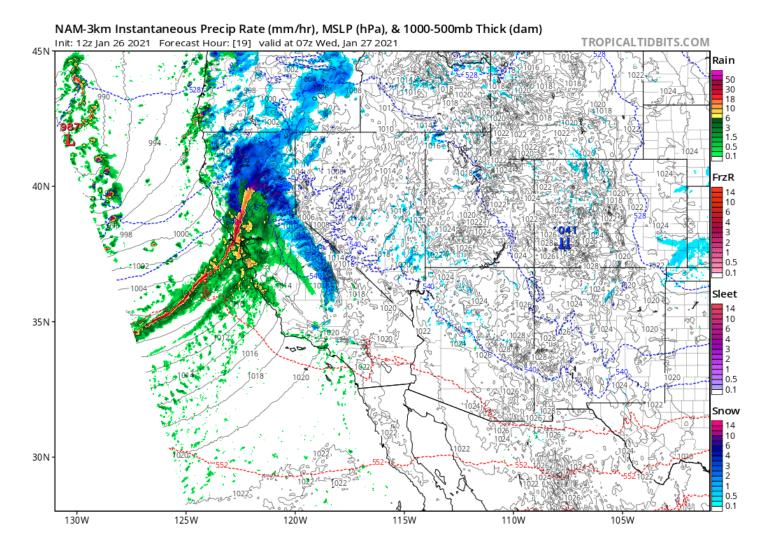
Thread on very strong inbound CA storm. A cold & clear morning will quickly give way to increasing clouds, NorCal valley rain & snow down to 1,500-2,000 ft (locally lower) later this PM. Current satellite imagery shows this strengthening system off the coast. (1/10) #CAwx



Tonight, a rapidly intensifying cold front will sweep across NorCal. This front will be unusually well defined, for a CA winter storm, and will replace an already cold airmass with...another cold airmass! (2/10) #CAwx



The cold frontal passage is expected to be quite dramatic across NorCal in the overnight hours. A convective "narrow cold frontal rainband" (NCFR) will likely develop, which could bring a period of torrential rain or snow to many areas, as well as possible lightning. (3/10) #CAwx



Extremely heavy precipitation is possible for a 30-60+ minute period when this NCFR feature moves ashore. Over an inch of rain could fall per hour in some spots. This portion of the event poses a high threat of debris flows in/near recently burned areas. (4/10) #CAwx

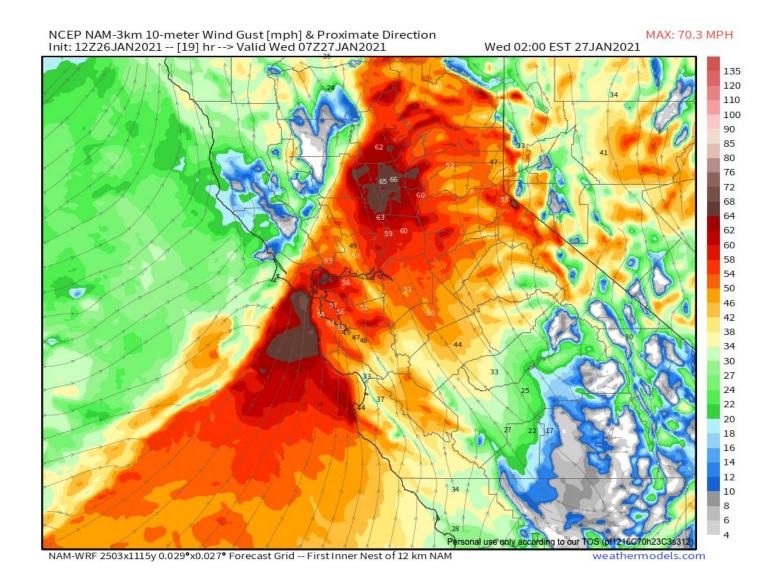
In addition to torrential rainfall, the cold front/NCFR will be accompanied by very strong wind gusts across much of NorCal. In fact, high-res models are suggesting potential for gusts of 60-70 mph even in lower elevation places. Widespread power outages possible. (5/10) #CAwx

NAM-WRF 2503x1115y 0.029°x0.027° Forecast Grid -- First Inner Nest of 12 km NAM

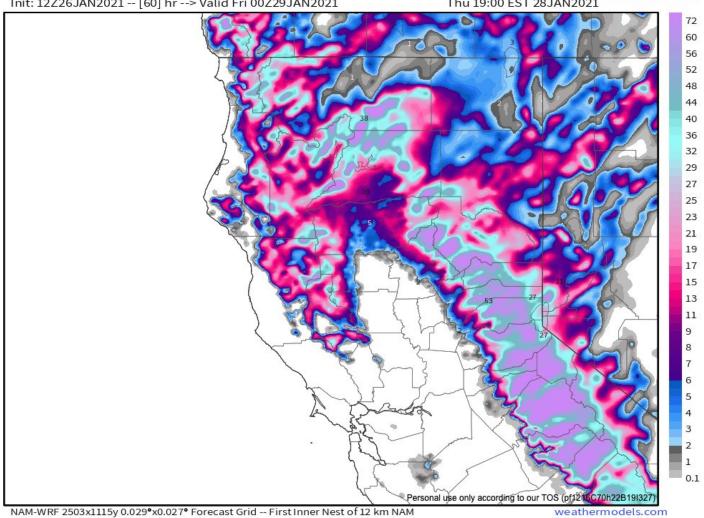
0.05 0.02 0.01

Personal use only according to our TOS (pf1216C70h23C0p309)

weathermodels.com



Meanwhile across the northern and central Sacramento Valley, a very rare heavy snowfall event will unfold. Some places near the Valley floor (near Redding and even Red Bluff) could see a foot or more of accumulation (!). Some lighter snow possible even south of that. (6/10) #CAwx



That very rare, heavy & wet snowfall in the North Valley could lead to widespread disruption and power outages. Meanwhile, extremely heavy snowfall (multiple feet) is likely at slightly higher elevations above 2,000ft. Mountain travel may become impossible. (7/10) #CAwx

0.1

weathermodels.com

Then, on Wednesday, the #AtmosphericRiver/associated cold frontal rainband will likely stall along Central Coast (near border of Monterey/SLO counties). High-res models are suggesting potential for *extreme* 48hr rainfall accums, & very high flood/mudslide risk there. (8/10)#CAwx

NAM-WRF 2503x1115y 0.029°x0.027° Forecast Grid -- First Inner Nest of 12 km NAM

Personal use only according to our TOS (pf12)

The Hwy corridor and Big Sur, as well as the Dolan/River Fire footprints, appear to be at very high risk in this scenario. Other models aren't quite as aggressive with rainfall totals here, but still suggest a high likelihood of 10-15 inches. (9/10) #CAwx

weathermodels.com

NAM-WRF 2503x1115y 0.029°x0.027° Forecast Grid -- First Inner Nest of 12 km NAM

Finally, on Thurs, the cold front/AR will shift southward down the coast. Impacts will be less severe in SoCal than across northern¢ral CA, but this will still be a pretty robust system as it brings a briefer period of heavy rain/snow to SoCal. (10/10) #CAwx

