

Figure S1: Nested WRF domains with 36, 12 and 4 km horizontal resolutions for domain 1 to 3, respectively.

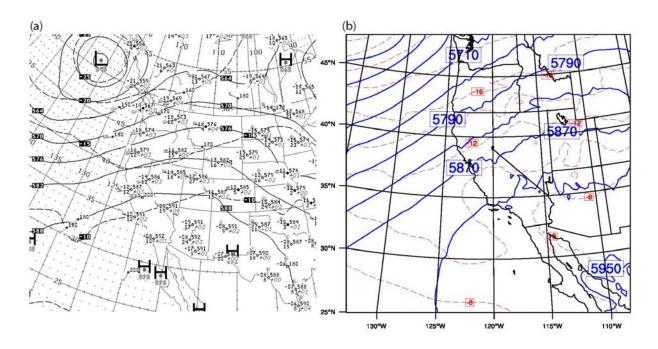


Figure S2: (a) 500 mb weather map with height (solid lines; units in m/10) and temperature (dashed lines; units in °C); (b) WRF simulated 500 mb height (blue contours; units in m) and temperature (red dashed contours; units in °C from the outermost domain (with a 36 km resolution) on June 20 2008 00 UTC.