

# ***OCTOBER 2019 WEATHER SUMMARY***

*RIVERSIDE FIRE WEATHER CENTER*

*PREDICTIVE SERVICES UNIT*

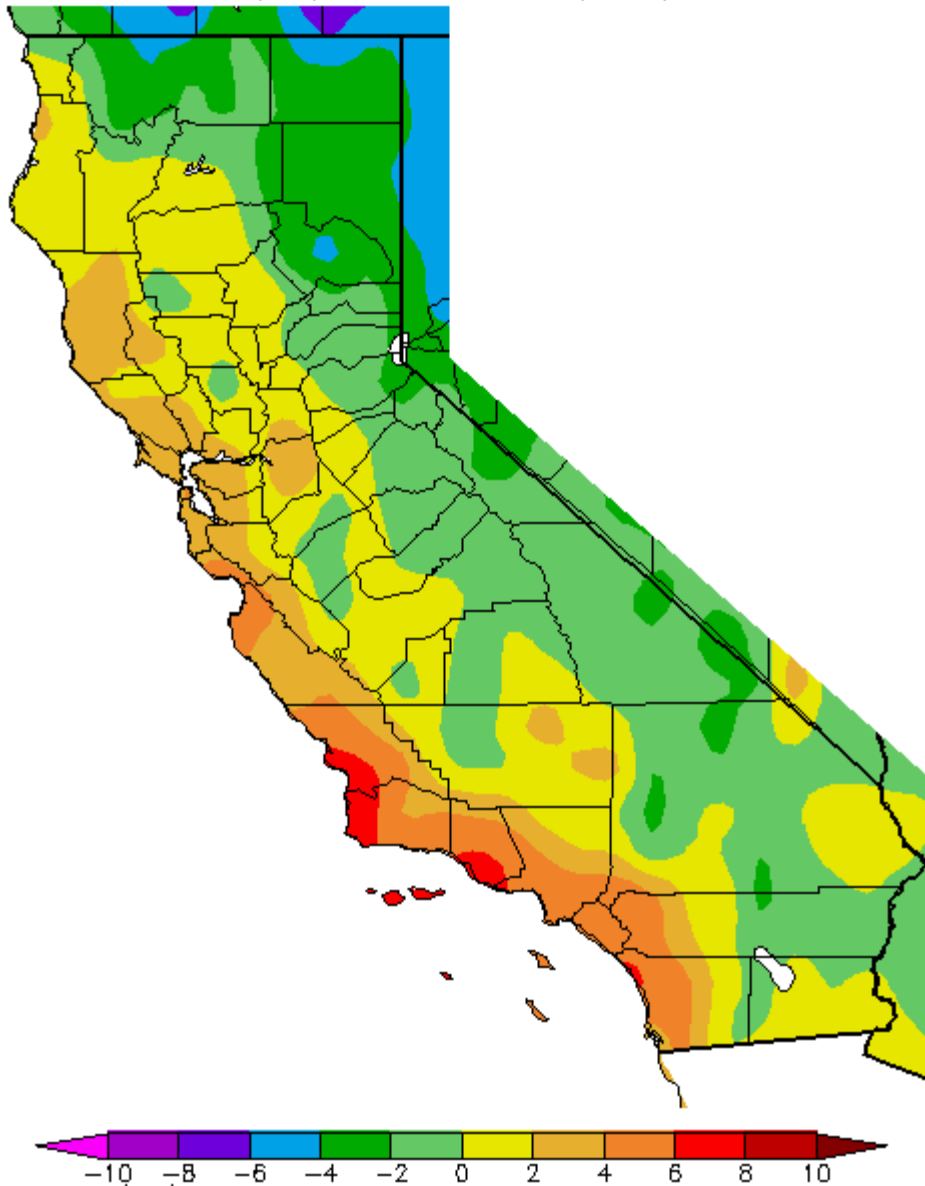
## ***INTRODUCTION***

A series of Pacific troughs and ridges of high pressure brought big temperature swings to the region in October. There were no weather disturbances that brought widespread rainfall to the region this month. General winds were mainly south to west ahead of and with the Pacific troughs and north to east behind the Pacific troughs and with the ridges of high pressure. There were five moderate to strong Santa Ana wind events during the month. They occurred from October 10<sup>th</sup> – October 11<sup>th</sup>, October 18<sup>th</sup> – October 20<sup>th</sup>, October 24<sup>th</sup> – October 25<sup>th</sup>, October 27<sup>th</sup> – October 28<sup>th</sup>, and October 30<sup>th</sup> through the end of the month.

## ***TEMPERATURES***

A series of Pacific troughs brought near to below normal temperatures to most of the region October 1<sup>st</sup> – October 4<sup>th</sup>, October 9<sup>th</sup> – October 11<sup>th</sup>, October 13<sup>th</sup> – October 14<sup>th</sup>, October 17<sup>th</sup> – October 19<sup>th</sup>, and October 27<sup>th</sup> through the end of the month. High pressure off the California Coast brought above normal temperatures October 5<sup>th</sup> – October 8<sup>th</sup>, October 12<sup>th</sup>, October 15<sup>th</sup> – October 16<sup>th</sup>, and October 20<sup>th</sup> – October 26<sup>th</sup>. Temperatures in the valleys were mainly in the mid 80s to upper 90s with the ridges of high pressure and upper 60s to low 80s with the Pacific troughs. For the month, maximum temperatures averaged out to 1 to 3 degrees above normal. However, maximum temperatures ranged from 2 to 4 degrees below normal over some desert locations in Inyo County to 6 to 8 degrees above normal over some coastal locations in Santa Barbara and Ventura Counties. For the most part, coastal locations received well above normal temperatures while inland locations received near to a little below normal temperatures.

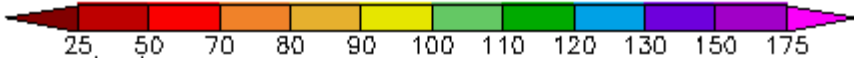
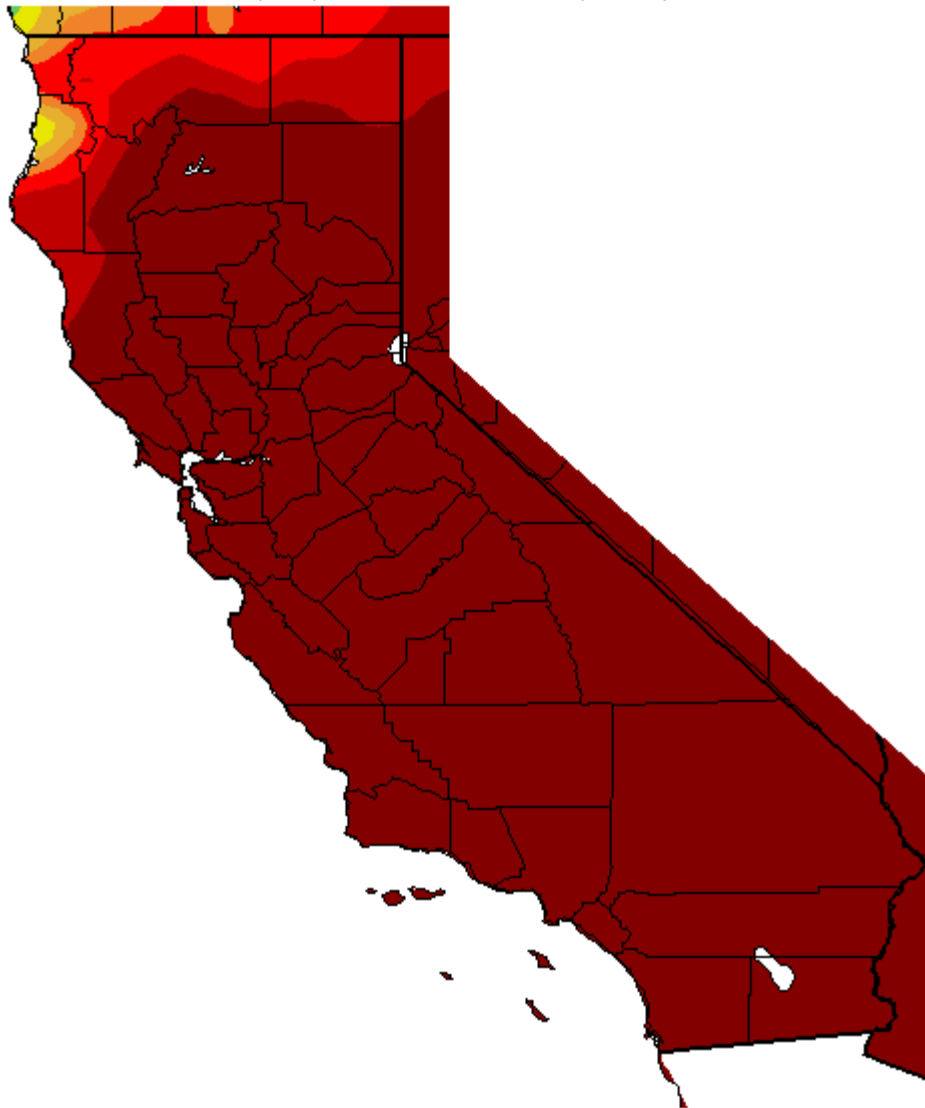
Av. Max. Temperature dep from Ave (deg F)  
10/1/2019 – 10/29/2019



### ***PRECIPITATION***

There was no weather disturbance that brought widespread rainfall to the region during October. The entire region received little or no rainfall. For the most part, the entire region received well below normal rainfall for the month.

Percent of Average Precipitation (%)  
10/1/2019 – 10/29/2019



Generated 10/30/2019 at WRCC using provisional data.  
NOAA Regional Climate Centers

***WINDS***

General winds were mainly south to west ahead of and with the Pacific troughs and north to east behind the Pacific troughs and with the ridges of high pressure most of October. South to west winds with the troughs were mainly 10 to 20 mph and north to east winds with the ridges of high pressure were mainly 5 to 15 mph. However, with the stronger troughs south to west winds over

some mountain and desert locations increased to 20 to 40 mph with gusts to 60 mph. There were five moderate to strong Santa Ana wind events during the month. They occurred from October 10<sup>th</sup> – October 11<sup>th</sup>, October 18<sup>th</sup> – October 20<sup>th</sup>, October 24<sup>th</sup> – October 25<sup>th</sup>, October 27<sup>th</sup> – October 28<sup>th</sup>, and October 30<sup>th</sup> through the end of the month. With the stronger events, winds over the mountains and below the canyons and passes of Southern California were mainly 20 to 40 mph with gusts to 60 mph. However, over the windiest locations, there were gusts to 75 mph.

## ***FIRES***

For October, according to the ICS-209, there were eleven fires for a total of 31,759 acres. Ten of the eleven fires were considered large. There were 5 fires over 1,000 acres. The largest fire was called the Maria Fire and it has burned 9,412 acres so far. It occurred near the city of Santa Paula in Ventura County in the South Coast PSA. It occurred on October 31<sup>st</sup> at the end of a Santa Ana wind event.

## ***CONCLUSION***

Overall for much of the region, most coastal areas received well above normal temperatures and most inland locations received near to a little below normal temperatures for October. The entire area received well below normal rainfall. Winds were mostly south to west ahead of and with the Pacific troughs and north to east behind the troughs and with the ridges of high pressure. There were five moderate to strong Santa Ana wind events during the month.