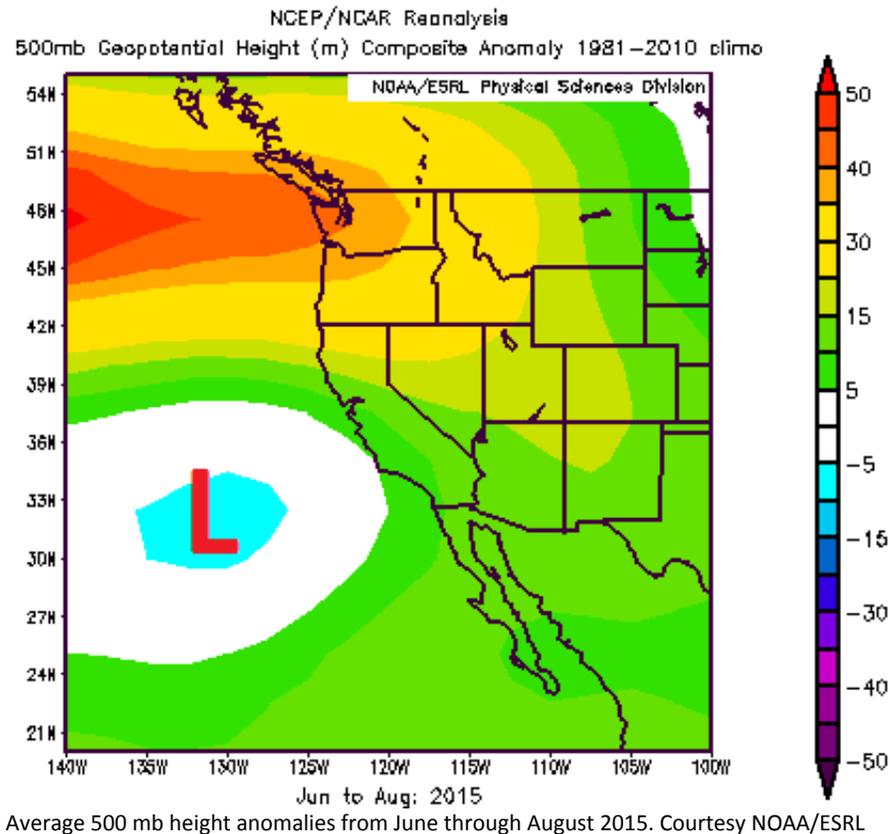


NNSS Climate Summary

Summer 2015



The summer of 2015 was influenced by the strengthening El Niño in the equatorial Pacific. The image above shows 500 mb height anomalies for the season and depicts an area of lower pressure off the southern California coast. This area of lower pressure may represent the atmospheric response to El Niño. Although the summer as a whole was warmer than average, a mid season break in the abnormally warm weather in July can be attributed to this feature.

June started off with an active weather pattern as several Pacific systems traversed the area. Some light precipitation was observed mostly at the higher elevations and temperatures were cooler than average. By the middle of the month, the pattern changed as strong high pressure expanded northward from Mexico. The hottest temperatures of the summer were observed during this time. The clockwise flow around the ridge also brought an early arrival of the monsoon.

July was a wet and “cool” month on the NNSS. The clockwise flow around the ridge was enhanced by several areas of low pressure that were located off the Baja coast. These features combined to funnel in substantial tropical moisture. Several periods of widespread precipitation were recorded and as a result temperatures were held down to below average values for the month.

August began with a continuation of July’s active weather. Some locations received significant precipitation and temperatures remained below average. However, by the middle of the month, high pressure expanded westward establishing a dry southwest flow aloft. This resulted in a break in the monsoon which had been in place since the end of June. Afternoon highs increased to above average values for the second half of the month under sunny skies. No precipitation was recorded after the 13th.

Listed below are temperature and precipitation amounts for the period at some selected stations.

<u>Station</u>	<u>Month</u>	<u>Highest (F)</u>	<u>Date</u>	<u>Lowest (F)</u>	<u>Date</u>	<u>Precipitation (in.)</u>
<u>Mercury (Meda 23)</u>	Jun	105	20	59	5	0.00
	Jul	99	3	65	20	0.87
	Aug	102	18	67	8	0.54
<u>Desert Rock Airport</u>	Jun	109	20	53	5	0.00
	Jul	103	3,5	63	10,19	1.19
	Aug	106	16	59	9	1.19
<u>W5B (Meda 05)</u>	Jun	107	27	46	5	0.01
	Jul	103	29	52	17	1.06
	Aug	106	18	49	9	0.10
<u>Rainer Mesa (Meda 40)</u>	Jun	88	27	43	7	0.13
	Jul	85	1	47	10	1.43
	Aug	86	17	49	8	1.83
<u>Yucca Dry Lake (Meda 43)</u>	Jun	103	26	50	5	0.00
	Jul	98	3,29	52	16	0.54
	Aug	103	18	53	9	0.69

Hazardous Weather Notifications:

- A Lightning Alert was issued for June 10 from 1330 to 2000 PDT
- A Wind Advisory was issued for June 15 from 1330 to 2000 PDT
- A Lightning Alert was issued for July 1 from 1500 to 2200 PDT
- A Lightning Alert was issued for July 2 from 1330 to 2200 PDT
- A Lightning Alert was issued for July 6 from 1315 to 2000 PDT
- A Lightning Alert was issued for July 7 from 1145 to 2200 PDT
- A Lightning Alert was issued for July 8 from 1030 to 1700 PDT
- A Lightning Alert was issued for July 9 from 1245 to 1900 PDT
- A Flash Flood Watch was issued for July 20 from 0800 to 2200 PDT
- A Lightning Alert was issued for July 21 from 1600 to 2100 PDT
- A Lightning Alert was issued for July 30 from 1145 to 2000 PDT
- A Lightning Alert was issued for July 31 from 1200 to 2000 PDT
- A Lightning Alert was issued for August 6 from 1400 to 0000 PDT
- A Lightning Alert was issued for August 7 from 0730 to 1200 PDT
- A Lightning Alert was issued for August 13 from 1115 to 2000 PDT
- A Lightning Alert was issued for August 27 from 1215 to 1900 PDT

James Wood