



Near Record El Niño Transitioning to La Niña

What Will it Mean for Our Warm Season Weather?

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Strong/Record El Niños Transition to La Niña

- El Niño index for Nov-Jan was +2.3, tying 1997/98 for highest.
- Values of 2.2 & 1.9 for Dec-Feb & Jan-Mar were highest on record.
- History and models support quick transitions to La Niña following strong El Niños.

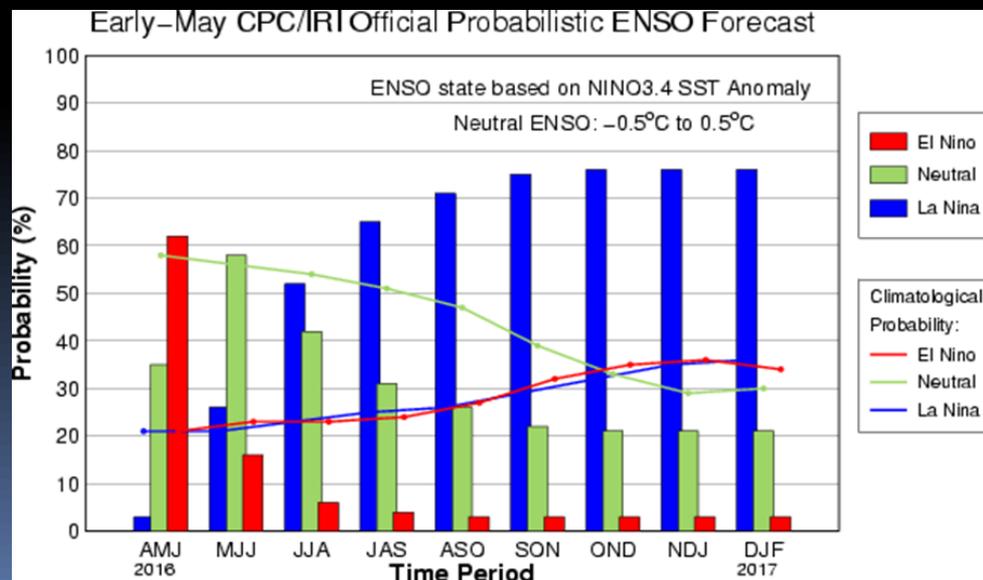
Quick transition to La Niña

Year	DJF	JFM	FMA	MAM	AMJ	MJJ	JJA	JAS	ASO	SON	OND	NDJ
1982	0	0.1	0.2	0.5	0.6	0.7	0.8	1.0	1.5	1.9	2.1	2.1
1983	2.1	1.8	1.5	1.2	1.0	0.7	0.3	0	-0.3	-0.6	-0.8	-0.8
1997	-0.5	-0.4	-0.2	0.1	0.6	1.0	1.4	1.7	2.0	2.2	2.3	<u>2.3</u>
1998	2.1	1.8	1.4	1.0	0.5	-0.1	-0.7	-1.0	-1.0	-1.2	-1.3	-1.4
2015	0.5	0.4	0.5	0.7	0.9	1.0	1.2	1.5	1.8	2.1	2.2	<u>2.3</u>
2016	<u>2.2</u>	1.9	1.6						??????			

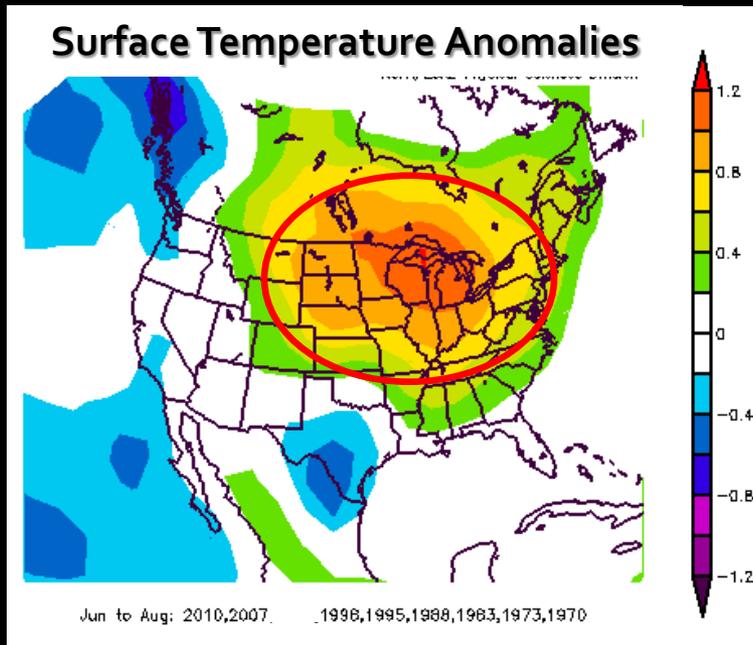
Probabilistic ENSO Outlook

Updated: May 12, 2016

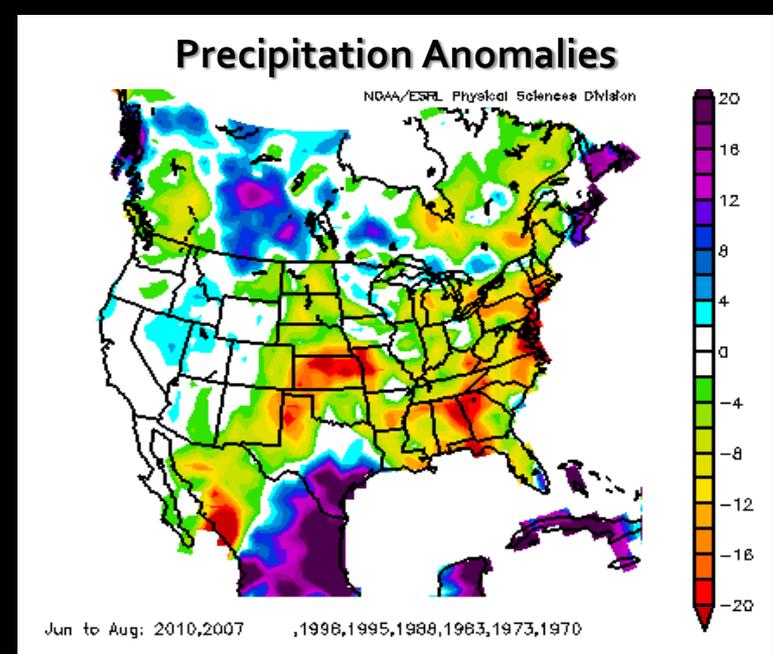
- El Niño continues to weaken.
- Greater than 50% chance of La Niña developing in June-August.
- The chance of La Niña increases to about 65% in July-September.



Past El Niño to La Niña Transitions



Tendency for Warmer Summers .
1995, 1988 and 2010 fit into this category.

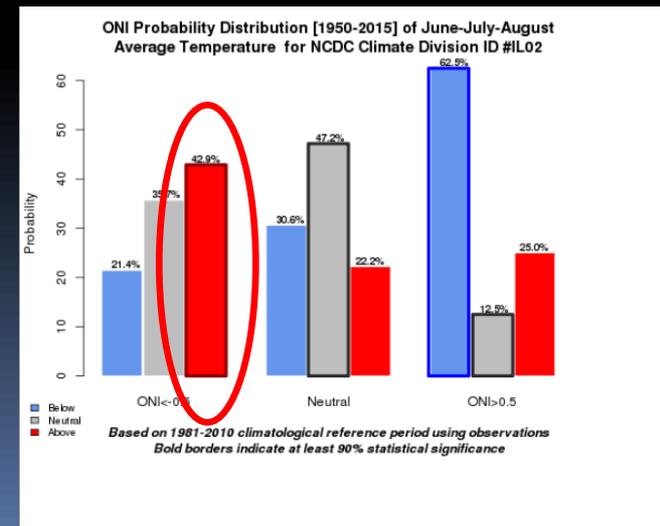


Potential for drier as well, but not a strong signal as several of these summers were wet, including 2010. No strong signal for above or below normal severe weather, but some recent signs for increased activity into June & beyond.

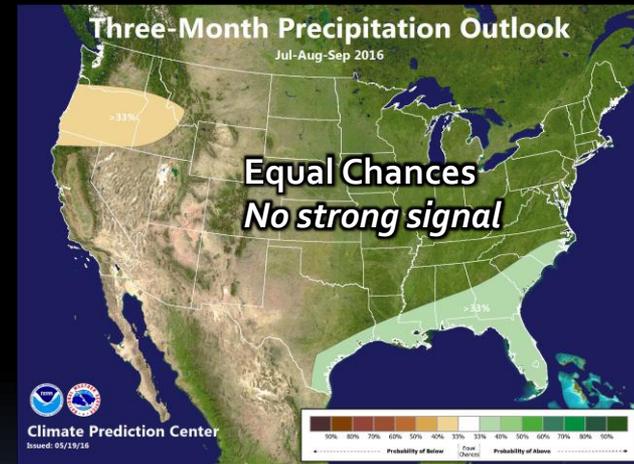
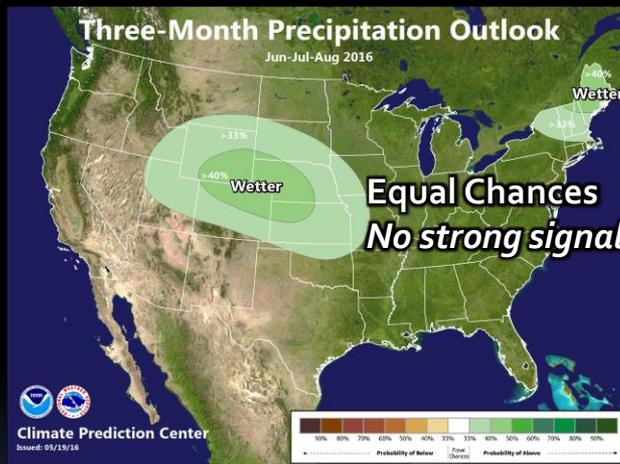
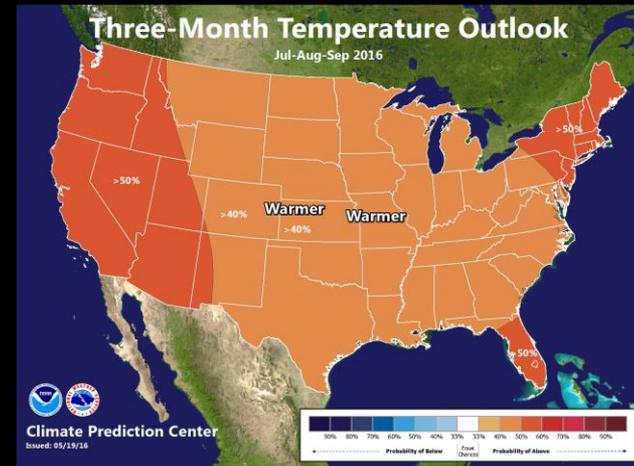
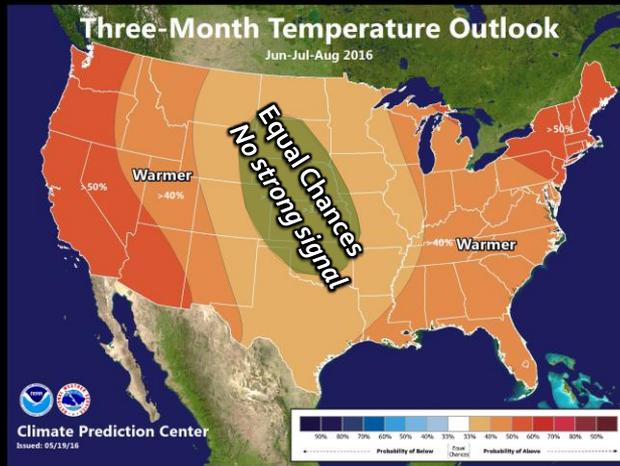
Summers Transitioning to La Niña

Statistically significant tendency for warmer summers (1995 and 1988 fit into this category).

Higher potential for more frequent hot weather (90°+).



Seasonal (3 month outlooks) from CPC: Jun-Aug (left) & Jul-Sep (right)



Summary

- El Niño is very likely transitioning to La Niña.
- History shows that this supports warm summers & models/outlooks do too.
- Therefore, a warmer than normal summer is favored with increased heat potential.
- No strong signal for drier/wetter & active severe weather. Some signs for active severe weather pattern in June & beyond in central U.S. Too early to say if our area will be active.