



The Month In Review

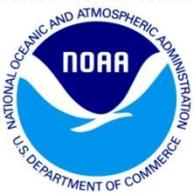
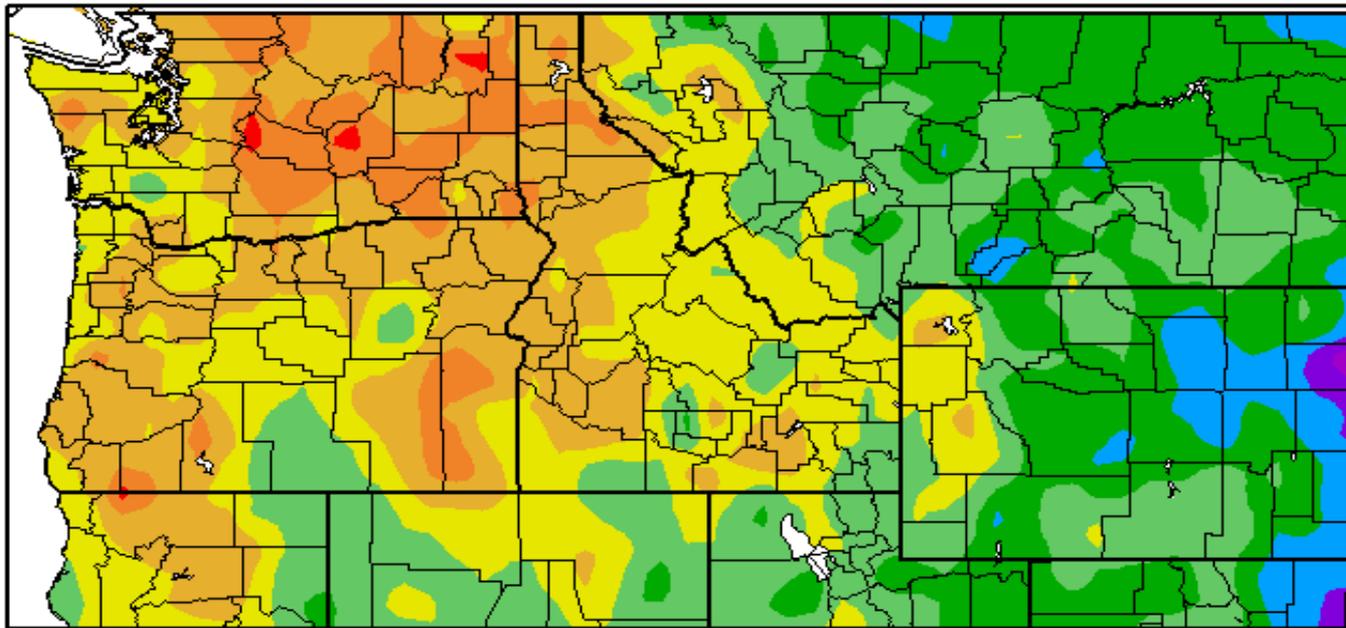
May 2015

National Weather Service
Pendleton, Oregon

Departure from Normal Temperature (F)

5/1/2015 – 5/31/2015

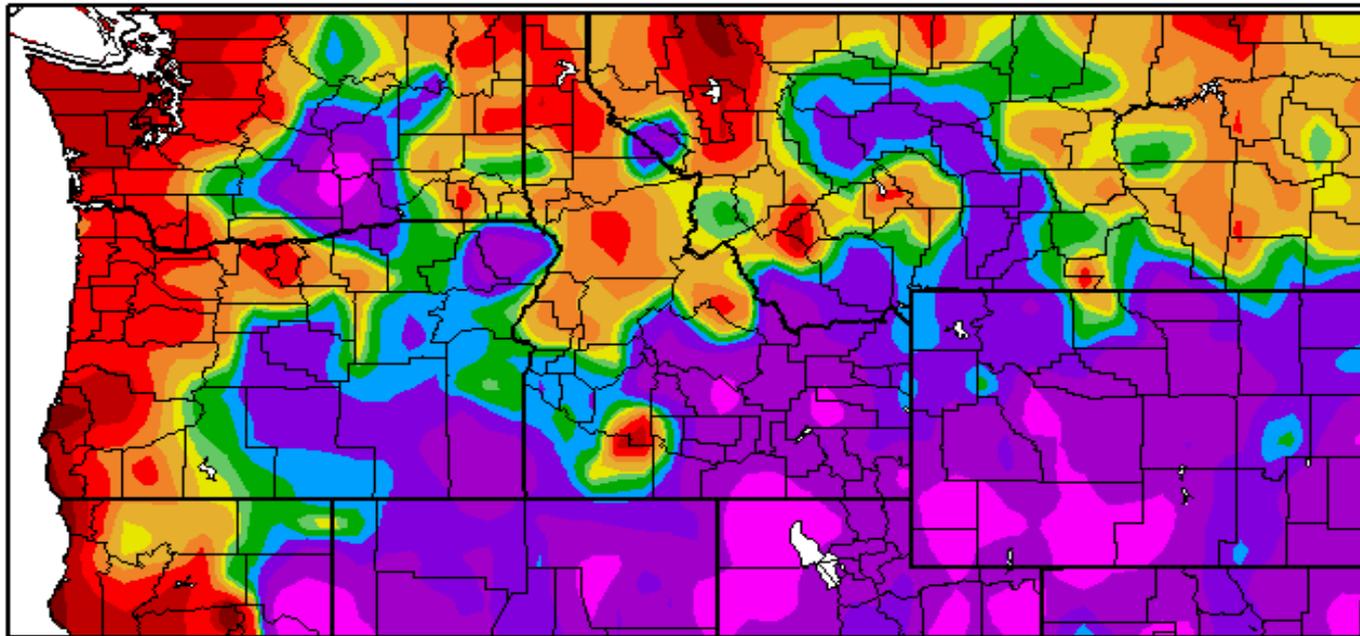
Departure from Normal Temperature (F)
5/1/2015 – 5/31/2015



Percent of Normal Precipitation (%)

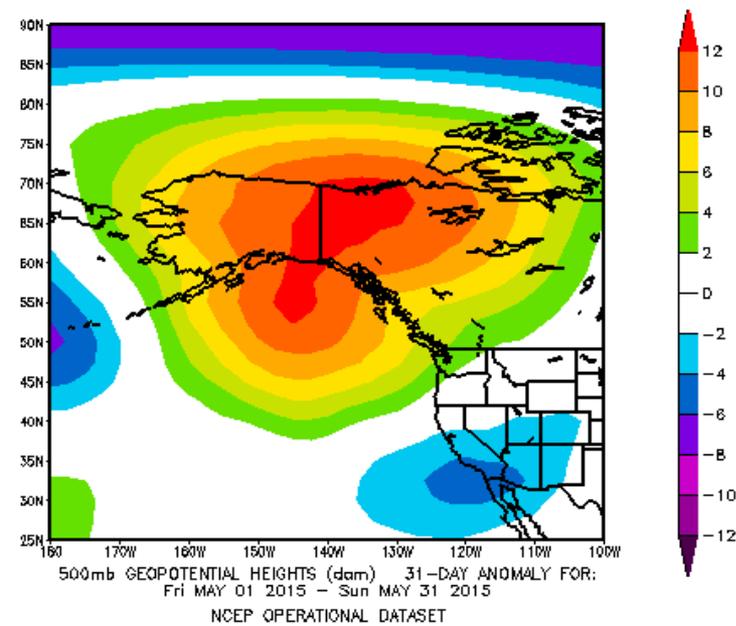
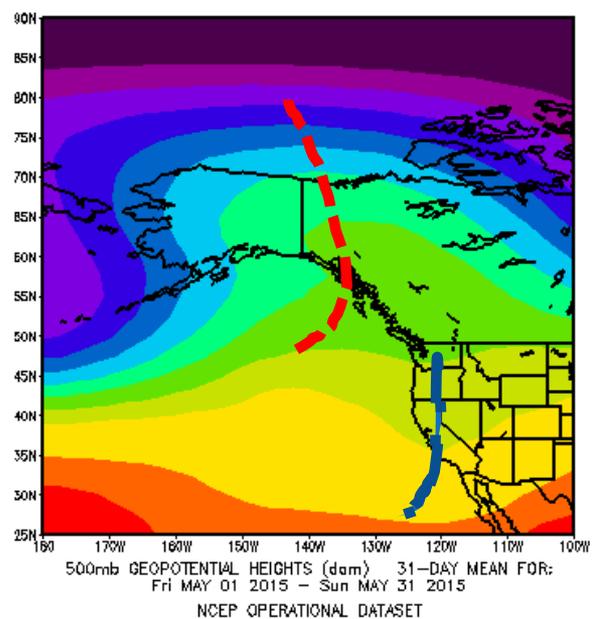
5/1/2015 - 5/31/2015

Percent of Normal Precipitation (%)
5/1/2015 - 5/31/2015



May 2015

Synoptic Weather Pattern



The mean synoptic pattern for the month of May 2015 was characterized by a semi-zonal pattern over the Pacific Northwest. There was a stronger ridge axis up over eastern Alaska and NW Canada with an undercutting trough along the West Coast of the US. This pattern allowed ample moisture transport into our region.



New Record Warm Low Temperatures for the Month of May

City	Rank	May 2015 Min T	May Min T Record
Hermiston, OR	#1	65° on 5/30	64° on 5/18/2008
Dayville, OR	#1	63° on 5/30	62° on 5/18/2006
Pendleton (Dwtn)	#2	63° on 5/30	64° on 5/31/1931
Sisters, OR	#3	54° on 5/31	57° on 5/31/1997
Walla Walla, WA	#3 (T)	67° on 5/30-31	69° on 5/31/1986
Ellensburg, WA	#4	61° on 5/31	66° on 5/18/2006
Bend, OR	#4	58° on 5/30	64° on 5/31/1993
Kennewick, WA	#4	67° on 5/31	73° on 5/29/1934
Prineville, OR	#4	57° on 5/30	60° on 5/24/1941



New Record Warm Average Low Temperatures for the Month of May

City	Rank	May 2015 Avg Min T	May Avg Min T Record
Walla Walla, WA	#1	52.9°	52.4 in 1994
Ellensburg, WA	#1	48.2°	47.3 in 1957
Yakima, WA	#1	49.8°	48.5 in 1957
Hermiston, OR	#2	48.3°	48.7 in 2005
Kennewick, WA	#2	53.5°	53.7 in 1993
Prineville, OR	#2	41.8°	42.5 in 1897
Pelton Dam, OR	#2	45.0°	47.1 in 2005
Cle Elum, WA	#3	43.9°	44.4 in 1993
Heppner, OR	#3	47.2°	47.5 in 1993



Top 5 May Average Max Temperatures

City	Rank	May 2015 Avg Max T	Warmest May Avg Max T
Hermiston, OR	#1	78.4°	78.1° in 2014
Ellensburg, WA	#2	76.8°	77.0° in 1958
Meacham, OR	#3	64.4°	66.3° in 1958
Yakima, WA	#3	80.1°	81.9° in 1947
Walla Walla, WA	#5	75.9°	79.2° in 1992



May Average Temperature Records

City	Rank	May 2015 Avg T	May Avg T Record
Hermiston, OR	#1	63.3°	62.4 in 2005
Ellensburg, WA	#1	62.5°	61.7 in 1958
Yakima, WA	#2	64.9°	65.0 in 1947
Walla Walla, WA	#2	64.4°	65.3 in 1958
Kennewick, WA	#3	66.4°	67.5 in 1958
The Dalles, OR	#4	64.4°	65.7 in 1958
Cle Elum, WA	#4	57.5°	60.0 in 1947
La Grande, OR	#5	57.7°	59.5 in 1992



Top 10 Wettest Mays On Record

City	Rank	May 2015 Precipitation	Highest May Precipitation
Hermiston, OR	#3	1.35 Inches	1.83 inches in 2011
Yakima, WA	#4	1.80 Inches	2.76 Inches in 1948
Redmond, OR	#5	2.39 Inches	4.62 Inches in 1998
Bickleton, WA	#5	2.05 Inches	2.90 Inches in 2010
Richland, WA	#6	1.21 Inches	2.07 Inches in 1945
Long Creek, OR	#10	2.86 inches	7.08 Inches in 1911
Meacham, OR	#10	3.77 inches	6.50 Inches in 2010



Top 10 Daily Precipitation Records in May 2015

City	Rank	May 2015 Daily Precipitation	Highest May Daily Precip
Hermiston, OR	#1	0.82 Inches on 5/13	0.49 on 5/2/2009
Redmond, OR	#1	1.14 Inches on 5/12	1.12 on 5/29/1998
Richland, WA	#1	0.96 Inches on 5/13	0.87 on 5/15/1994
Yakima, WA	#2	1.05 Inches on 5/21	1.06 on 5/14/2011
Kennewick, WA	#2	0.93 Inches on 5/13	1.18 on 5/16/1994
La Grande, OR	#2	1.60 Inches on 5/13	2.30 on 5/20/1991
Pendleton Exp Sta	#2	1.56 Inches on 5/13	1.57 on 5/19/1991
Whitman Mission	#3	1.16 Inches on 5/13	1.52 on 5/31/2000
Ellensburg, WA	#4	0.86 Inches on 5/12	1.34 on 5/15/2011
Pilot Rock, OR	#4	1.10 Inches on 5/13	1.23 on 5/16/2005



May Significant Weather



May 11-12th Heavy Rain Event

The Chart Below Shows Precipitation Totals From This Event:

Pendleton, OR	1.05 Inches
Meacham, OR	1.98 Inches
Redmond, OR	0.43 Inches
Pasco, WA	1.11 Inches
Walla Walla, WA	1.65 Inches
Yakima, WA	0.75 Inches
La Grande, OR	1.76 Inches
Joseph, OR	0.90 Inches
Madras, OR	0.27 Inches
Prineville, OR	0.32 Inches
John Day, OR	0.85 Inches
Hermiston, OR	1.37 Inches
Sunnyside, WA	1.50 Inches
Prosser, WA	1.65 Inches
Hanford, WA	1.37 Inches
Richland, WA	1.34 Inches
Hanford, WA	1.37 Inches
Prosser, WA	1.65 Inches
Sunnyside, WA	1.50 Inches

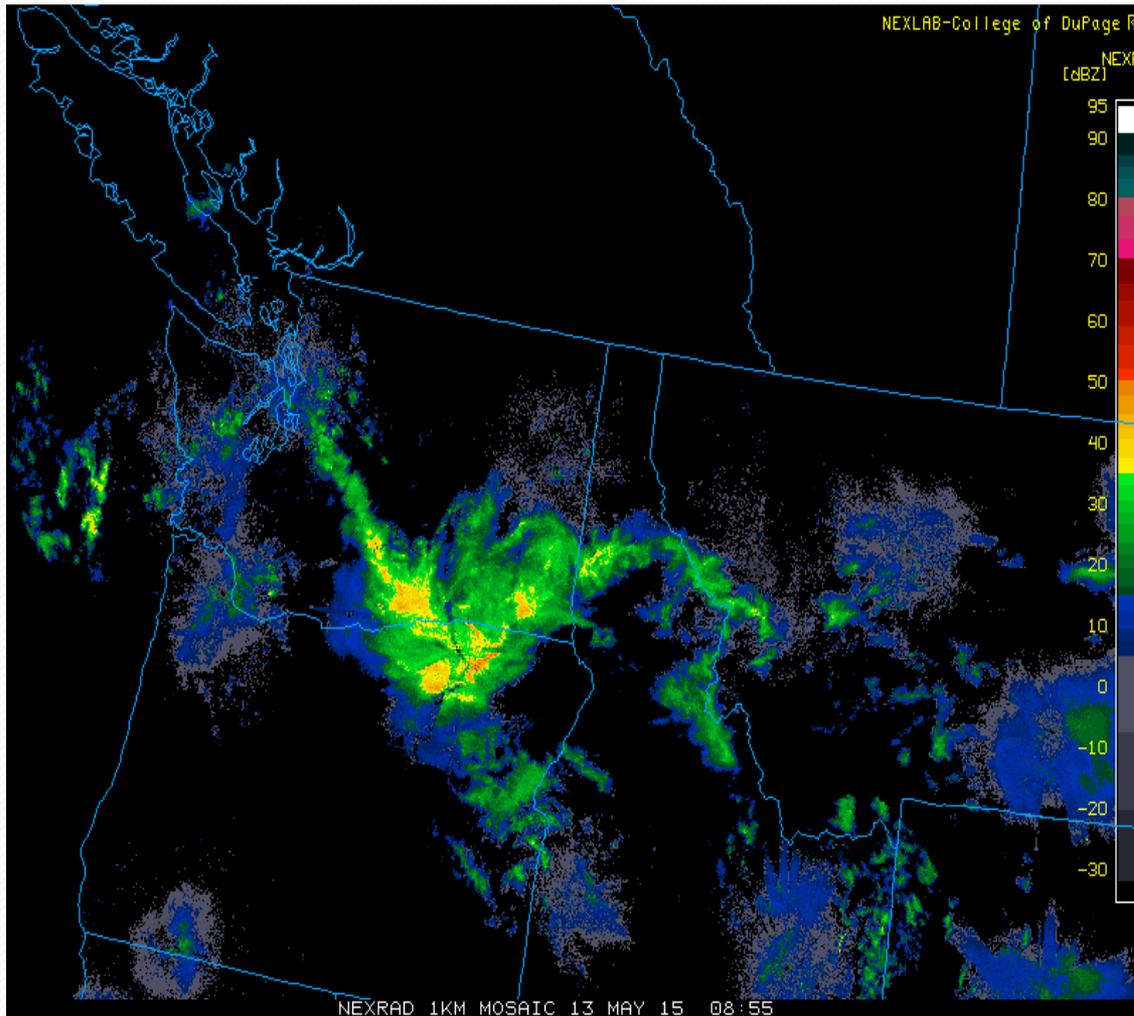


Image Credit: College of Dupage Archived Radar Data

May 21-22nd Flash-Flooding and Severe Weather Event



Above photo Courtesy of Yakima Herald

Storm Reports

- 1) 0.95 inches of rain in Richland in 45 minutes.
- 2) 1.50 inches of rain in S. Bend closed some streets.
- 3) 0.95 inches of rain in Redmond caused standing water on HWY 97
- 4) Portions of Rte 823 completely submerged near Selah, WA.
- 5) Crook County Emergency Manager reported water over HWY 126 near Powell Butte. Est 1.50 inches.

Pendleton, OR	0.07 Inches
Meacham, OR	0.12 Inches
Redmond, OR	1.52 Inches
Bend, OR	0.40 Inches
Pasco, WA	0.05 Inches
Walla Walla, WA	0.14 Inches
Yakima, WA	1.05 Inches
La Grande, OR	0.04 Inches
Joseph, OR	0.40 Inches
Madras, OR	0.25 Inches
Prineville, OR	0.41 Inches
John Day, OR	0.31 Inches
Hermiston, OR	0.37 Inches
Sunnyside, WA	0.13 Inches
Prosser, WA	Trace
Hanford, WA	0.12 Inches
Richland, WA	0.74 Inches
Pendelton (City)	0.68 Inches
Kennewick, WA	0.71 Inches

May 31st Severe Weather Event



The Chart Below Shows Rainfall Totals and Storm Reports From This Event

Pendleton, OR	0.41 Inches
Meacham, OR	0.36 Inches
Redmond, OR	0.00 Inches
Bend, OR	0.00 Inches
Pasco, WA	Trace Inches
Walla Walla, WA	0.18 Inches
Joseph, OR	0.04 Inches
Pendleton (City)	0.13 Inches



Storm Reports

- 1) Golf ball size hail near Summerville, OR (Union County)
- 2) Quarter size hail 1 miles south of La Grande, OR
- 3) Funnel clouds reported 3 miles north of La Grande, OR
- 4) Squall line hits Pendleton airport with 68 mph wind gust, small hail, and blowing dust
- 5) Roof damage and power outages in Walla Walla, WA

Above Images Courtesy of Robert Brooks, NOAA NWS WFO Pendleton, OR

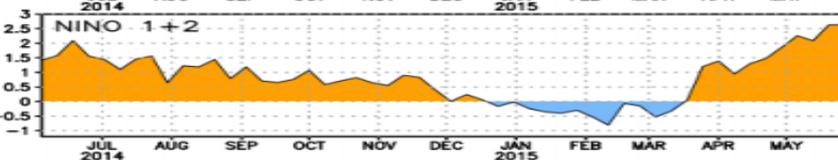
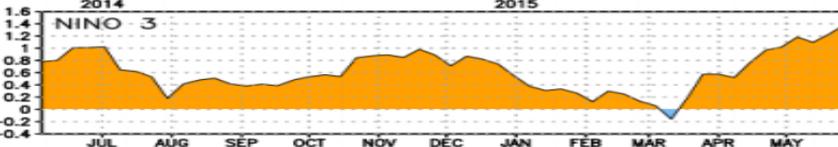
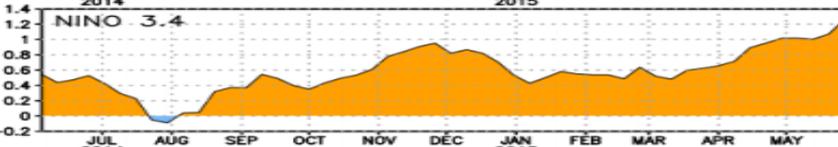
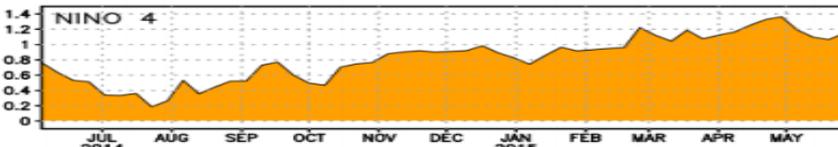
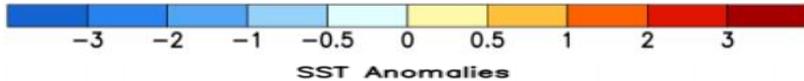
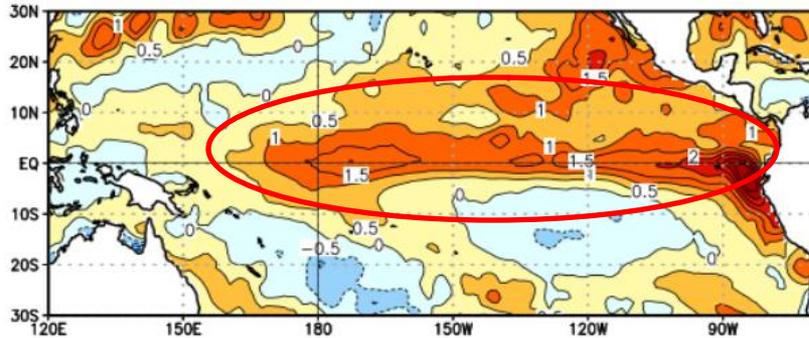


June Outlook

El Niño Advisory Continues

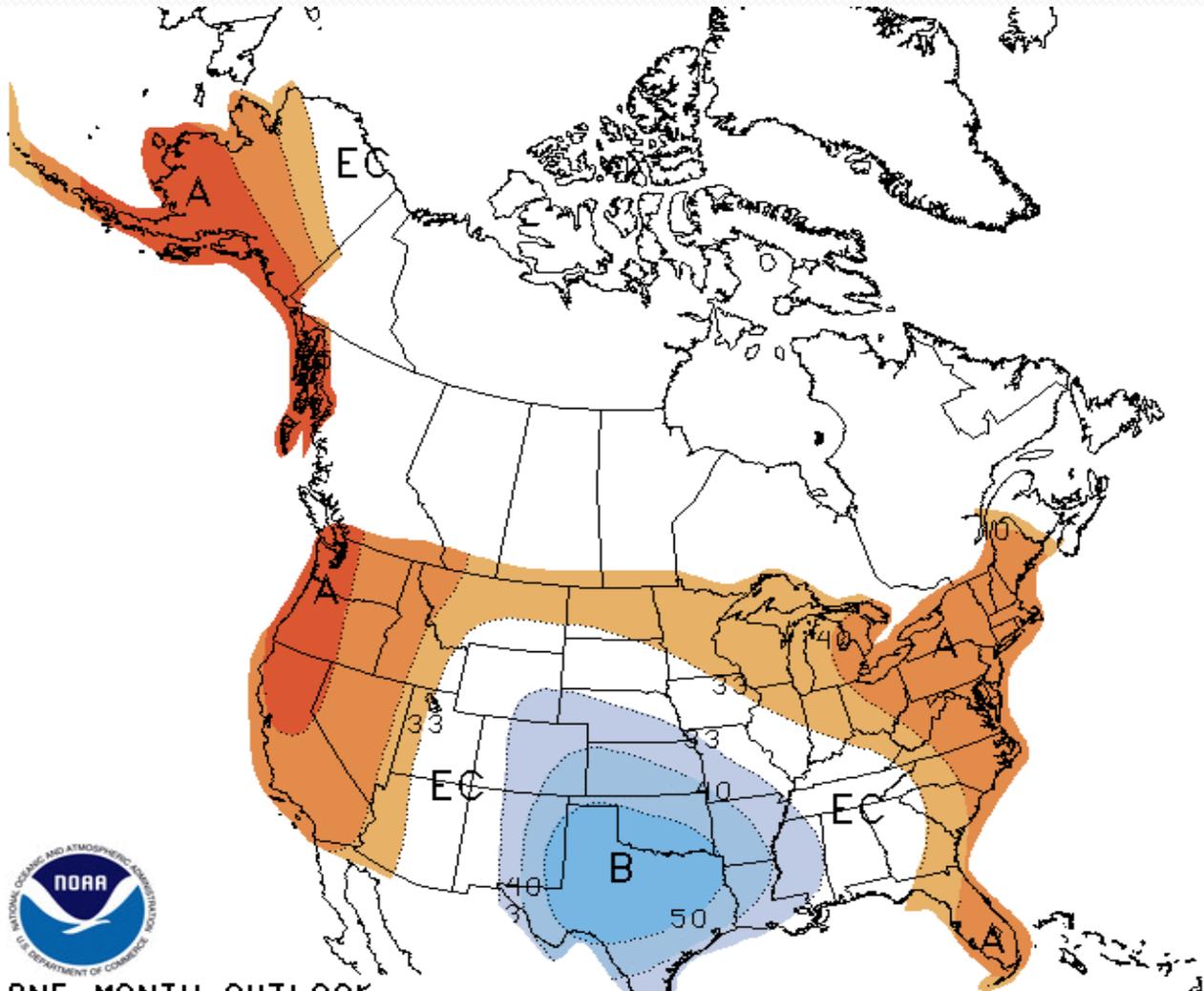
❖ An El Niño Advisory has been issued by the Climate Prediction Center, with the warmest temperatures noted along the central Pacific Ocean.

Average SST Anomalies
3 MAY 2015 – 30 MAY 2015



❖ The Climate Prediction Center has stated that there is approximately 90% chance that El Niño conditions will continue through the Northern Hemisphere summer 2015 and an 80% chance through the end of 2015.

June Temperature Outlook

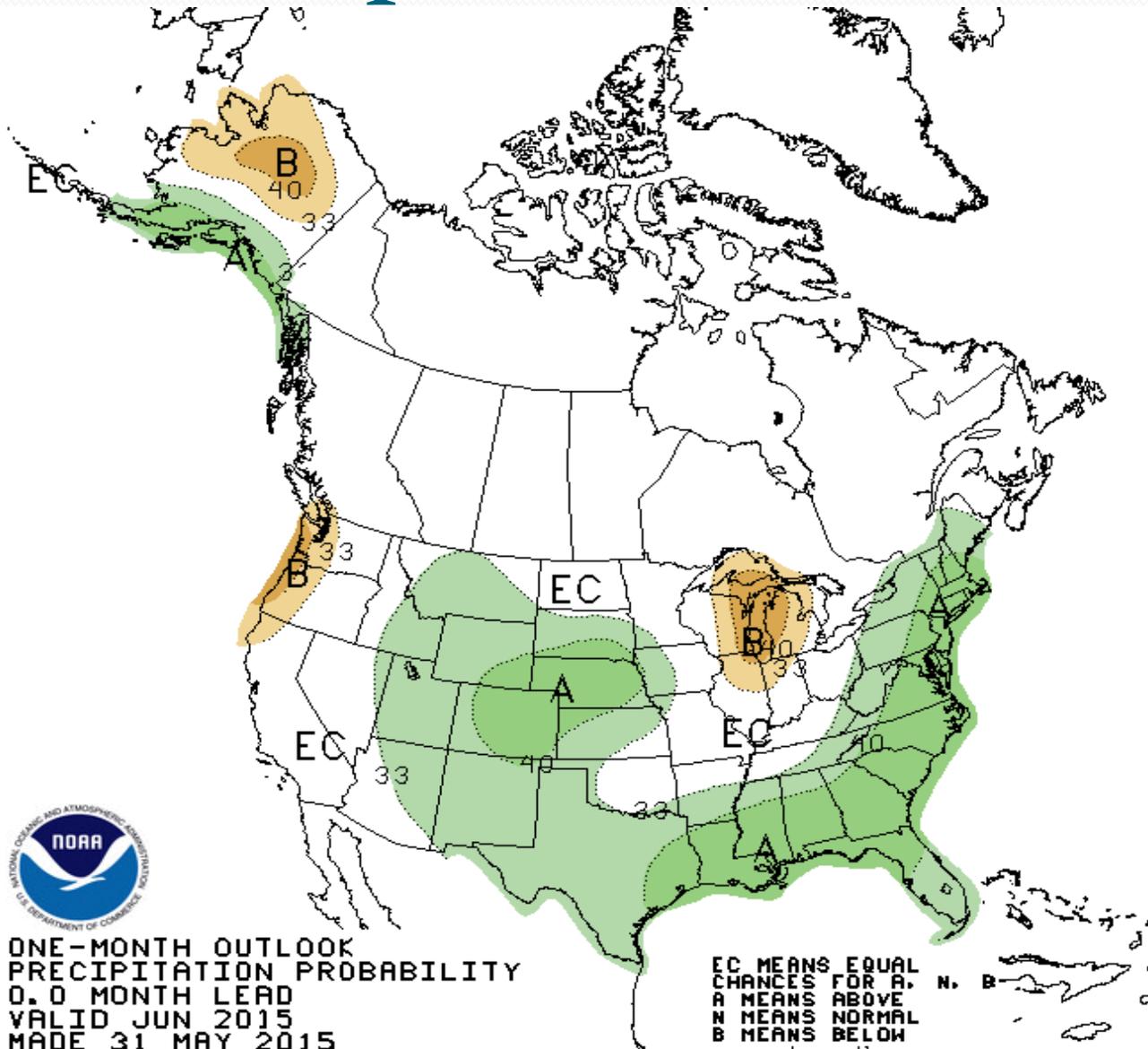


ONE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.0 MONTH LEAD
VALID JUN 2015
MADE 31 MAY 2015

EC MEANS EQUAL
CHANCES FOR A,
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW



June Precipitation Outlook



ONE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0, 0 MONTH LEAD
VALID JUN 2015
MADE 31 MAY 2015

EC MEANS EQUAL
CHANCES FOR A,
N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW





Thank You!