

Winter 2012-2013

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Pima County LDIG Meeting
March 13, 2013



Winter Season Highlights

- * 40th Coldest and 39th Wettest
- * 2.78" Precipitation (+0.05")
- * Average Monthly Temp 51.4°F (-1.8°F)



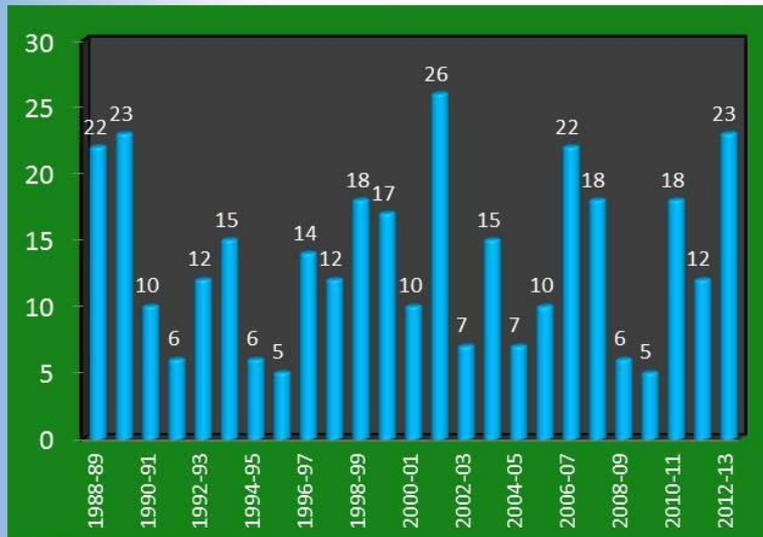
NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Freezing Temperatures Past 25 Years in Tucson

23 days

Minimum Temperatures
(32°F or Less)
So Far This Season

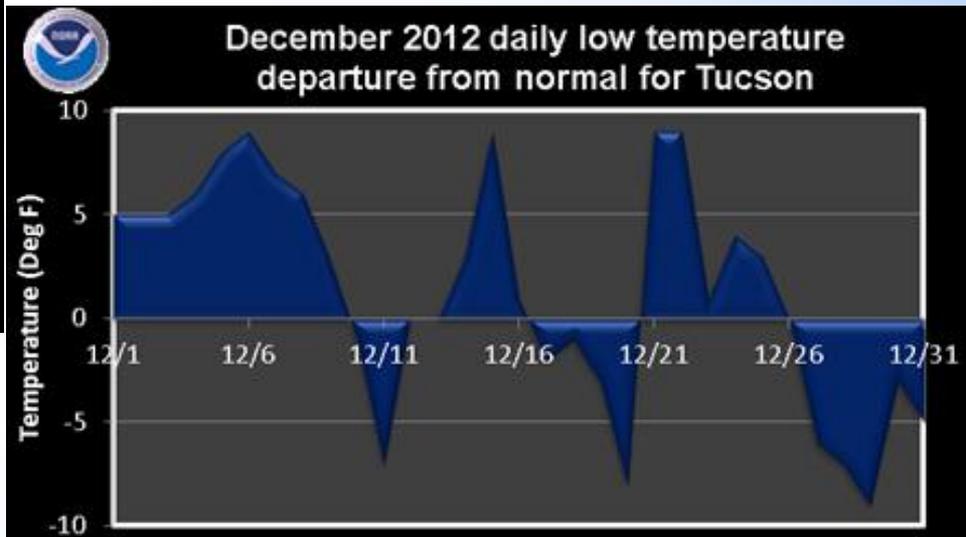
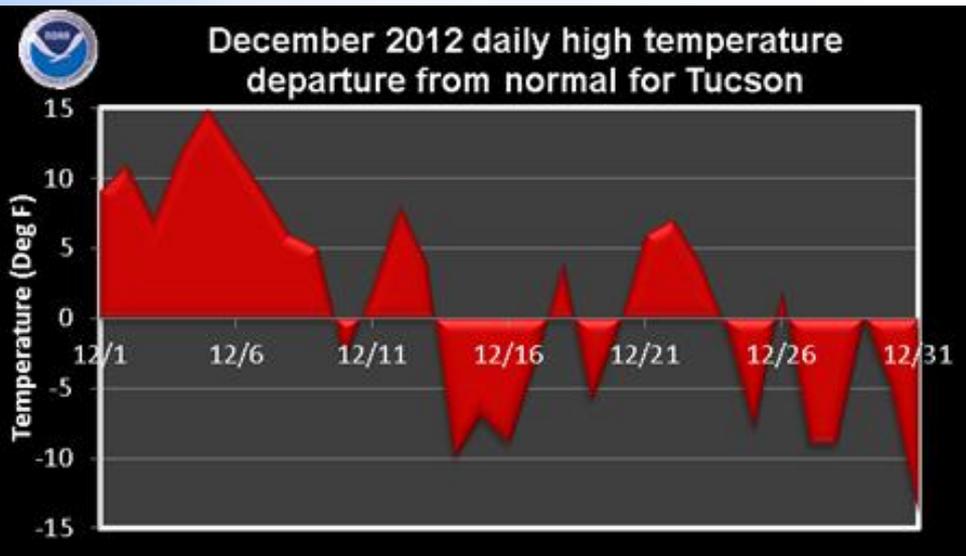
Rank	Days	Year
1	26	2001-02
2	23	2012-13
3	23	1989-90
4	22	2006-07
5	22	1988-89
6	18	2010-11
7	18	2007-08
8	18	1998-99
9	17	1999-00
10	15	1993-94



All Time Record
75 days (1916-17)

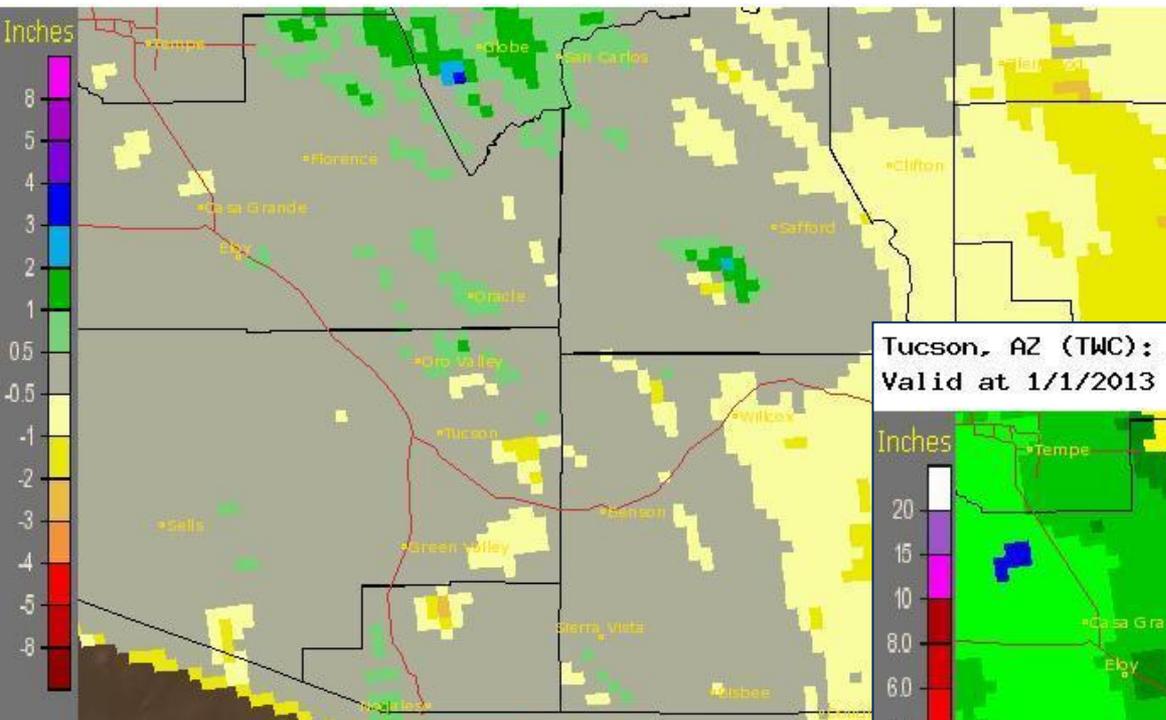
DECEMBER 2012

- * 28th Warmest and 35th Wettest
- * December 1-9 were 5th warmest days on record
- * First freeze Dec. 11
- * Average Monthly Temp 53.4°F (+1.5°F)
- * 1.18" Rainfall (+0.25")

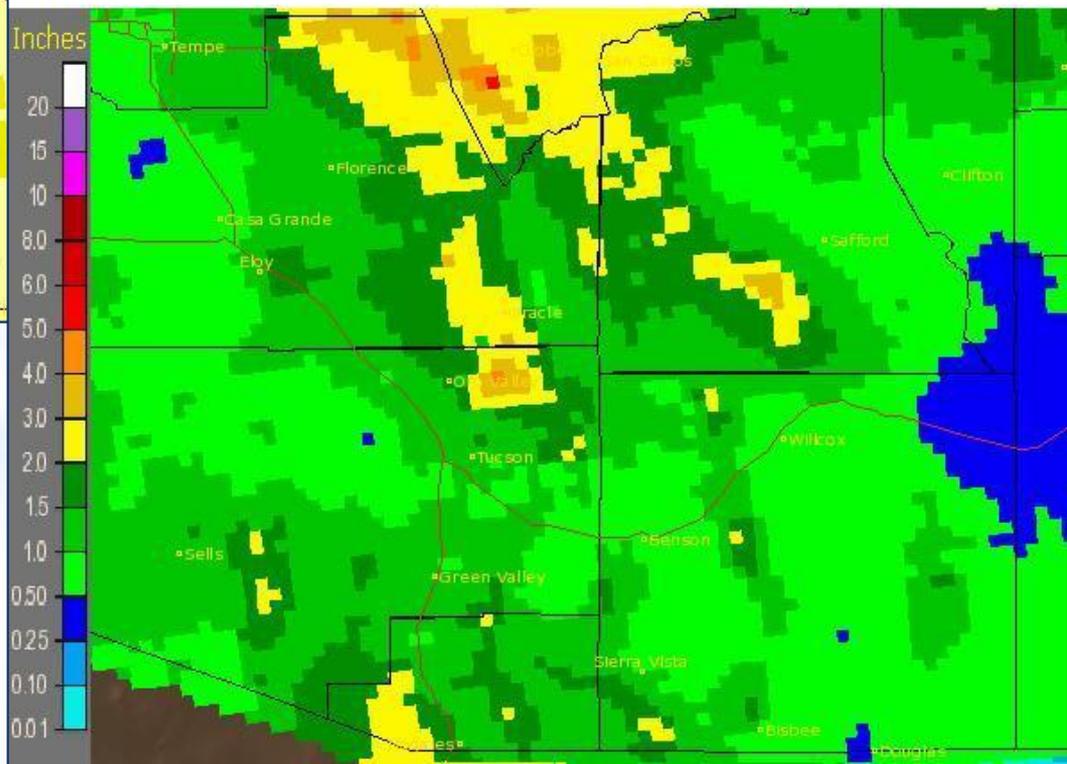


DECEMBER 2012

Tucson, AZ (TWC): December, 2012 Monthly Departure from Normal Precipitation
Valid at 1/1/2013 1200 UTC- Created 1/3/13 21:41 UTC

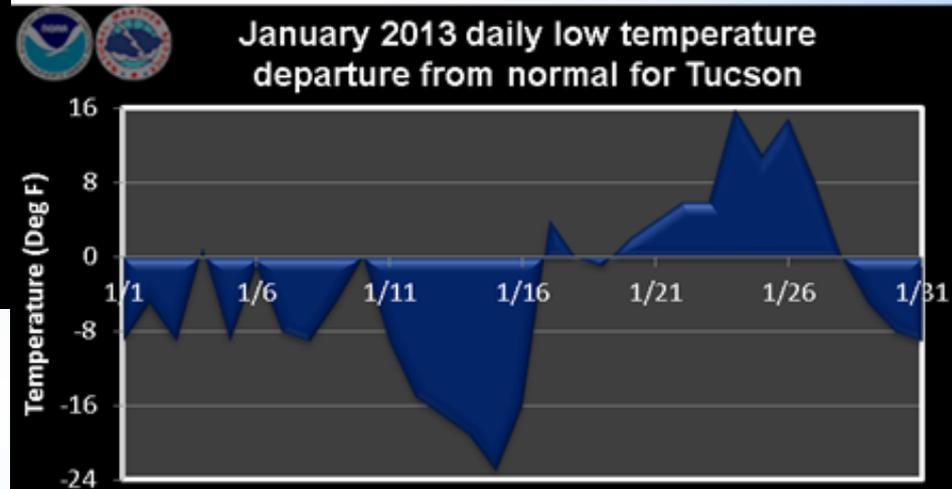
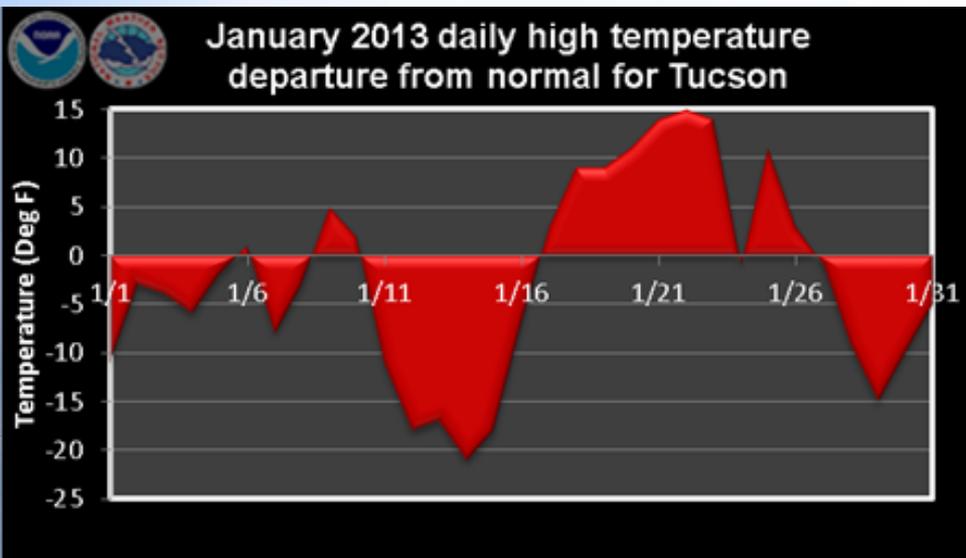


Tucson, AZ (TWC): December, 2012 Monthly Observed Precipitation
Valid at 1/1/2013 1200 UTC- Created 1/3/13 21:38 UTC



JANUARY 2013

- * 36th Coldest and 48th Wettest
- * 0.81" Rainfall (-0.13")
- * Average Monthly Temp 49.8°F (-2.8°F)
- * 4 days with high temp below 50°F - most since 1971
- * 12 days with lows 32°F or colder - most since 1964



JANUARY 2013



Significant Period of Cold Weather for Tucson

If we get down to forecast low tonight of 23°F
Current (4 days) Rank Tied for 11th

Rank	Consecutive Days Minimum Temp 25°F or Colder	Date (Month/Year)
1	8	12/1916
2	8	1/1904
3	7	12/1911
4	6	1/1971
4	6	1/1937
5	6	1/1936
6	6	1/1925
7	6	1/1925
8*	5*	1/2013*
9	5	2/1955
10	5	12/1901

17°F

Low Temperature in Tucson Tuesday Morning

Ranks as the 16th coldest temperature on record and the coldest temperature since 12/24/1974 (38 years)

Tucson Period of Record
1894-2013

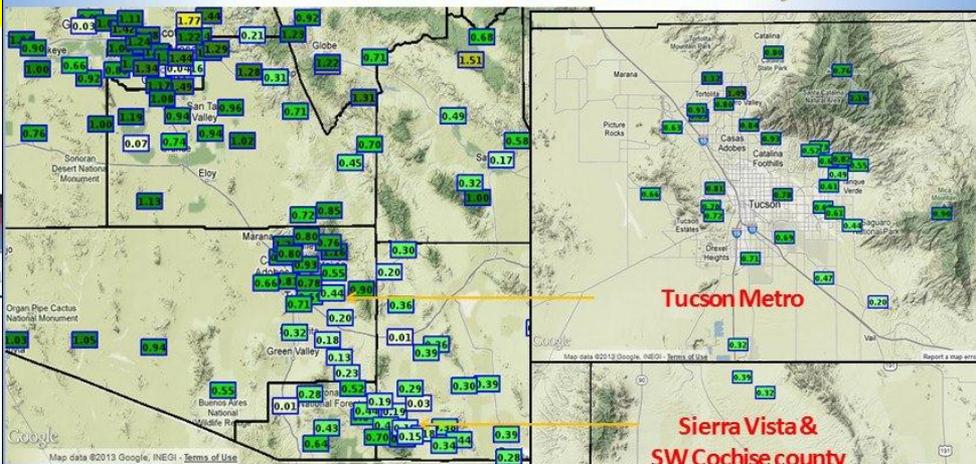
Consecutive Days Calculated thru Tuesday
(Unlikely to stay below 50°F Wed)

Rank	Consecutive Days Maximum Temp Colder than 50°F	Date (Month/Year)
1	5	1/1971
2	5	1/1949
3	5	1/1949
4	4	12/1946
5	4	1/2013
6	4	12/1960
7	4	1/1949
8	4	1/1937
9	4	1/1910
10	3	1/1997
10	3	12/1990

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Rainfall totals across southeast Arizona for January 26th

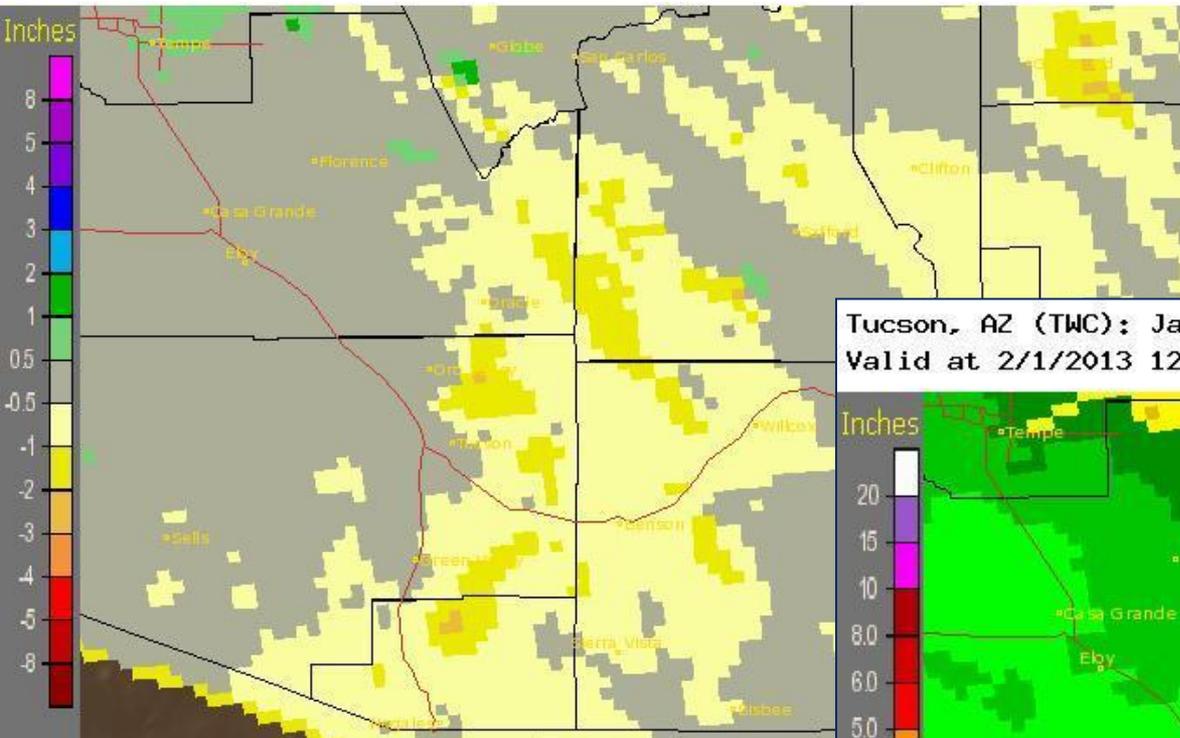


Rainfall records set on January 26th

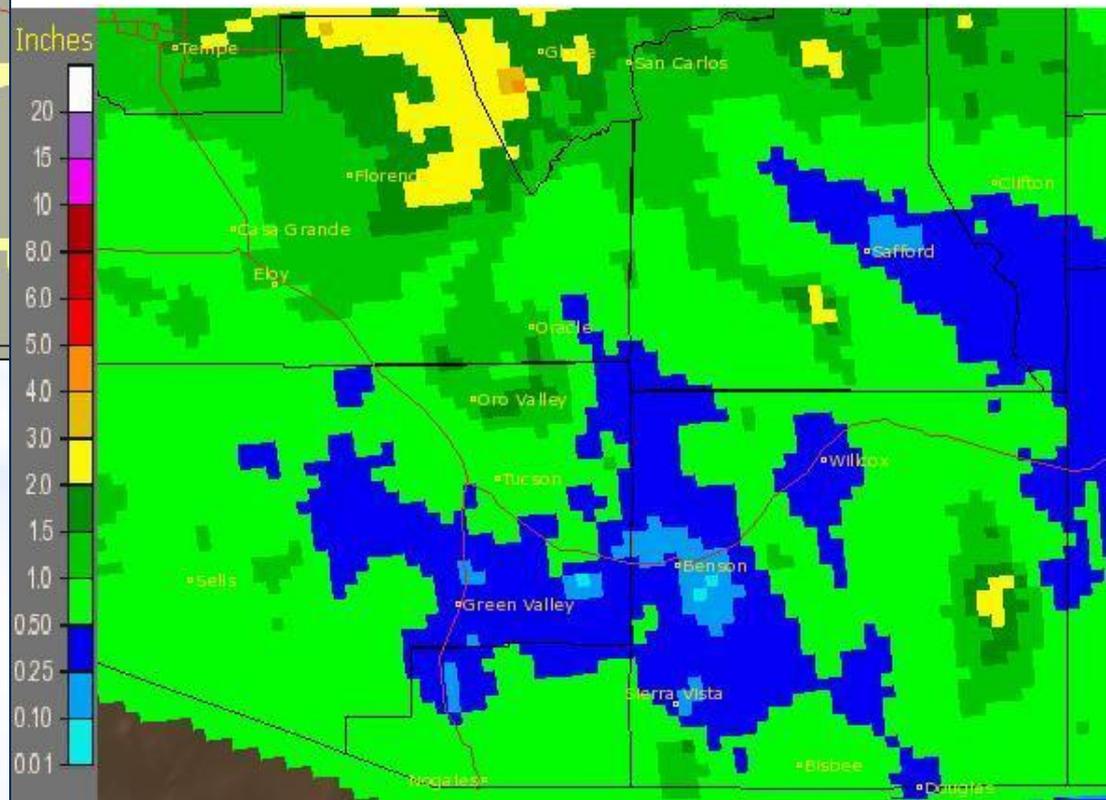
- Tucson Intn'l Airport – 0.71" (old record 0.67" in 1985)
- Organ Pipe Nat'l Mon. – 1.13" (old record 0.20" in 1979)
- Picacho Peak – 0.97" (old record 0.37" in 2005)
- Bisbee – 0.45" (old record 0.33" in 2005)

JANUARY 2013

Tucson, AZ (TWC): January, 2013 Monthly Departure from Normal Precipitation
Valid at 2/1/2013 1200 UTC- Created 2/3/13 21:40 UTC

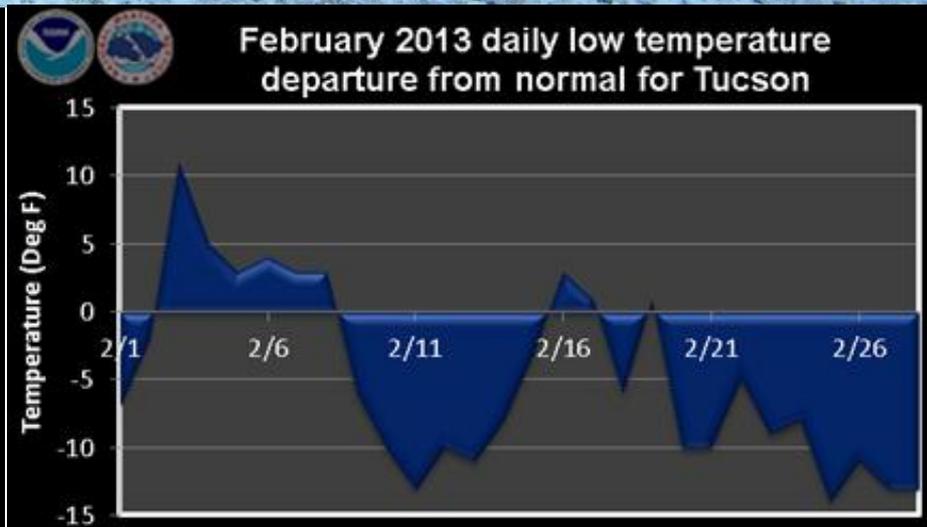
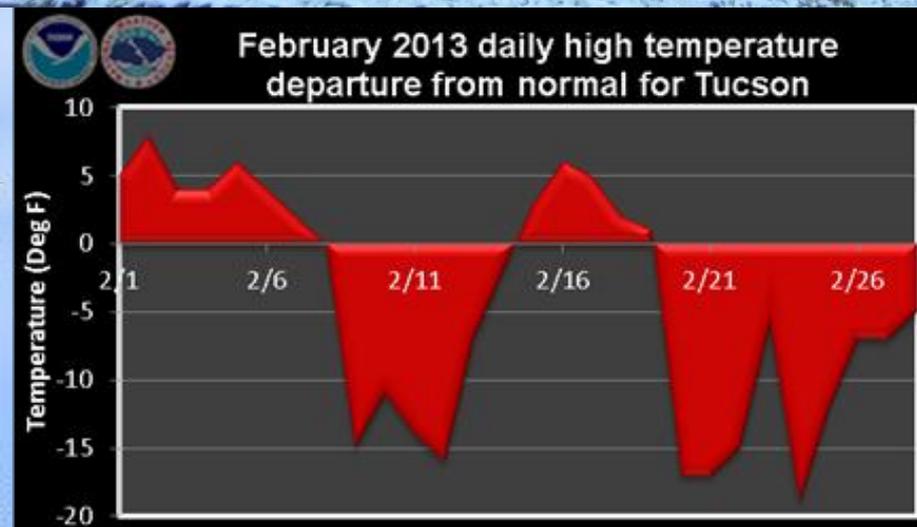
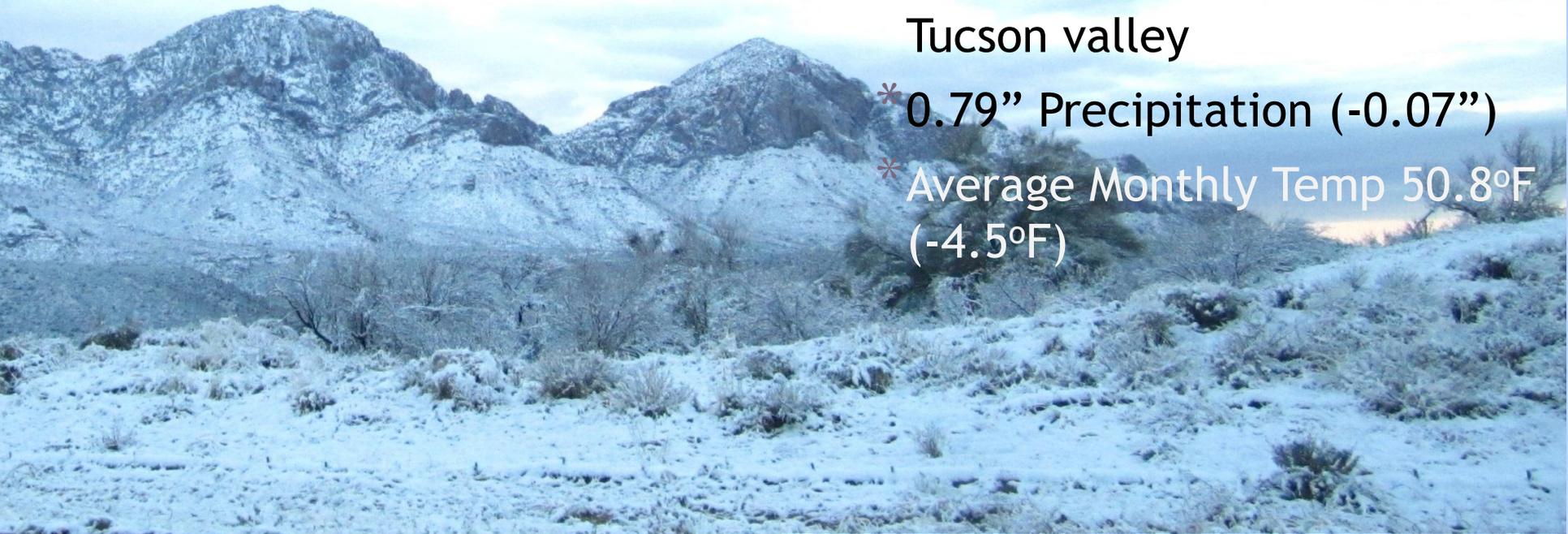


Tucson, AZ (TWC): January, 2013 Monthly Observed Precipitation
Valid at 2/1/2013 1200 UTC- Created 2/3/13 21:38 UTC



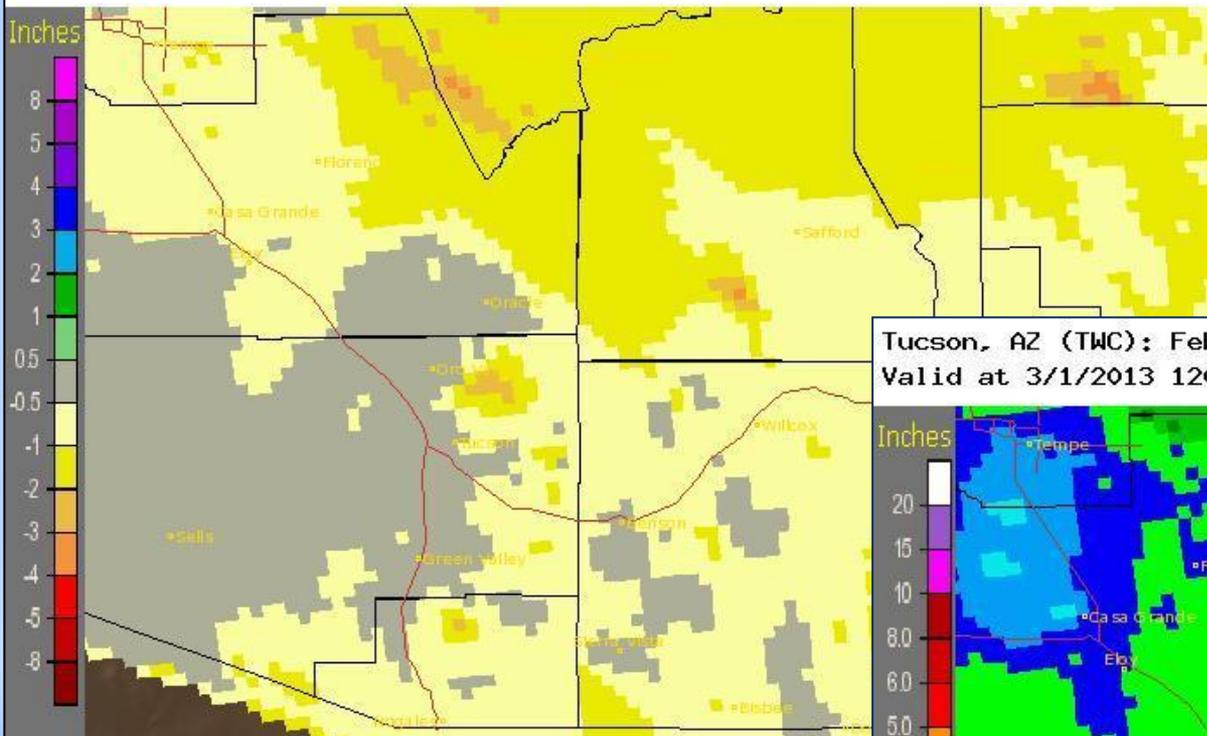
FEBRUARY 2013

- * 21st Coldest and 49th Wettest
- * 3 Winter Storms and snow in Tucson valley
- * 0.79" Precipitation (-0.07")
- * Average Monthly Temp 50.8°F (-4.5°F)

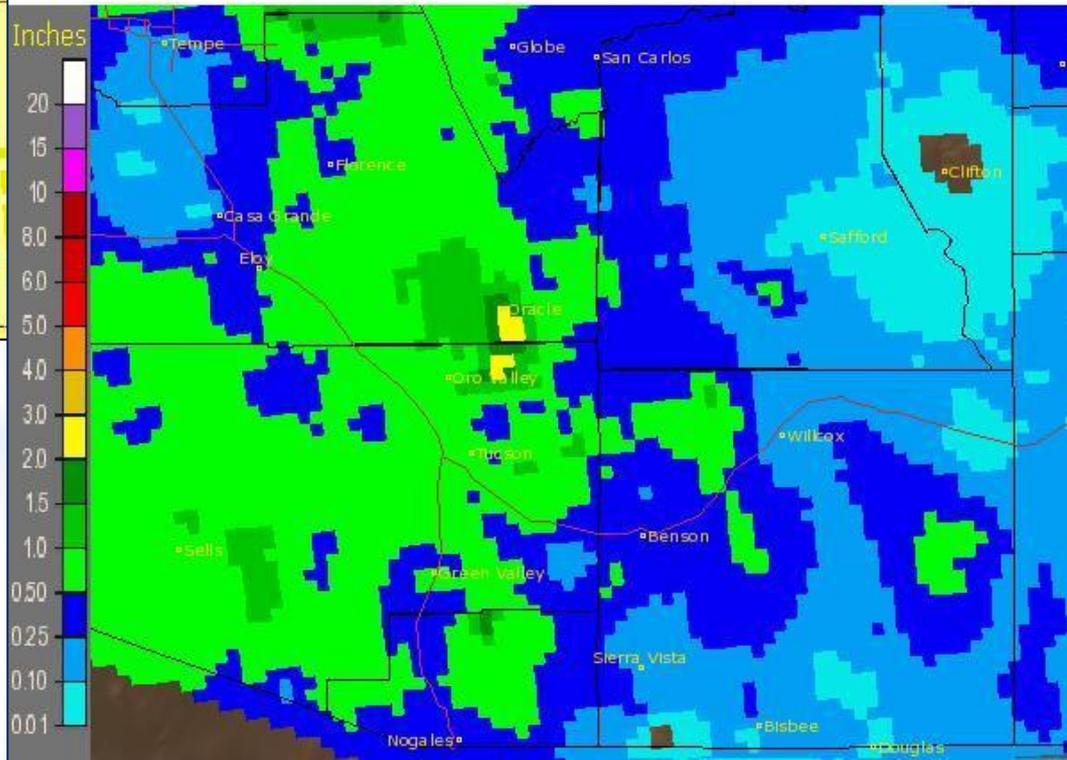


FEBRUARY 2013

Tucson, AZ (TWC): February, 2013 Monthly Departure from Normal Precipitation
Valid at 3/1/2013 1200 UTC- Created 3/3/13 21:40 UTC



Tucson, AZ (TWC): February, 2013 Monthly Observed Precipitation
Valid at 3/1/2013 1200 UTC- Created 3/3/13 21:37 UTC



Drought Conditions

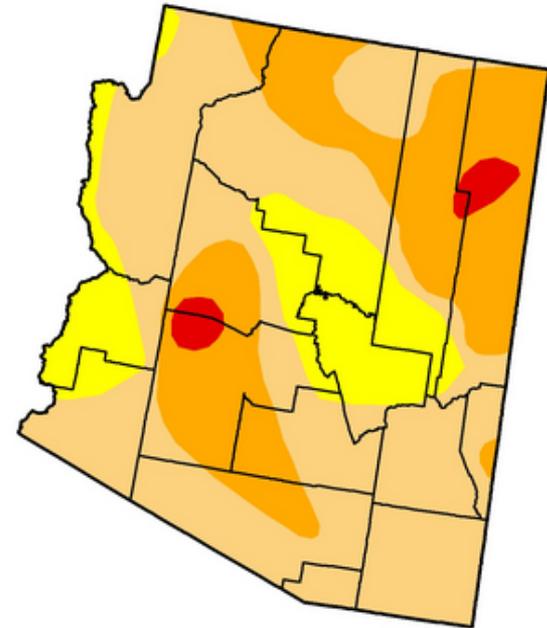
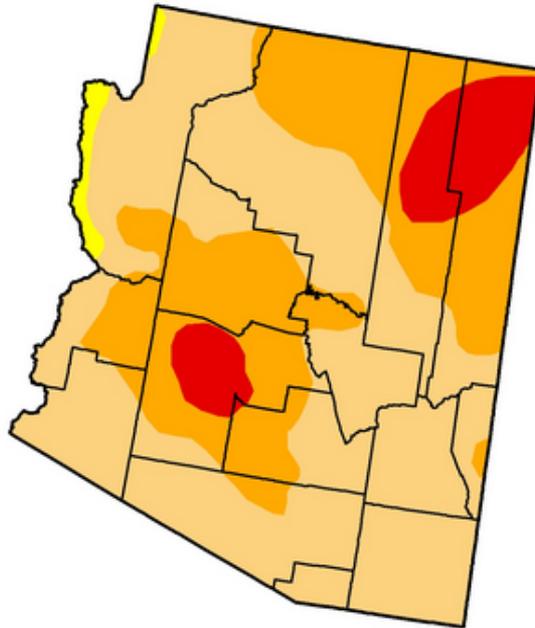
Arizona

Drought Severity

D0 - Abnormally Dry
 D1 Drought - Moderate

D2 Drought - Severe
 D3 Drought - Extreme

D4 Drought - Exceptional



December 4, 2012

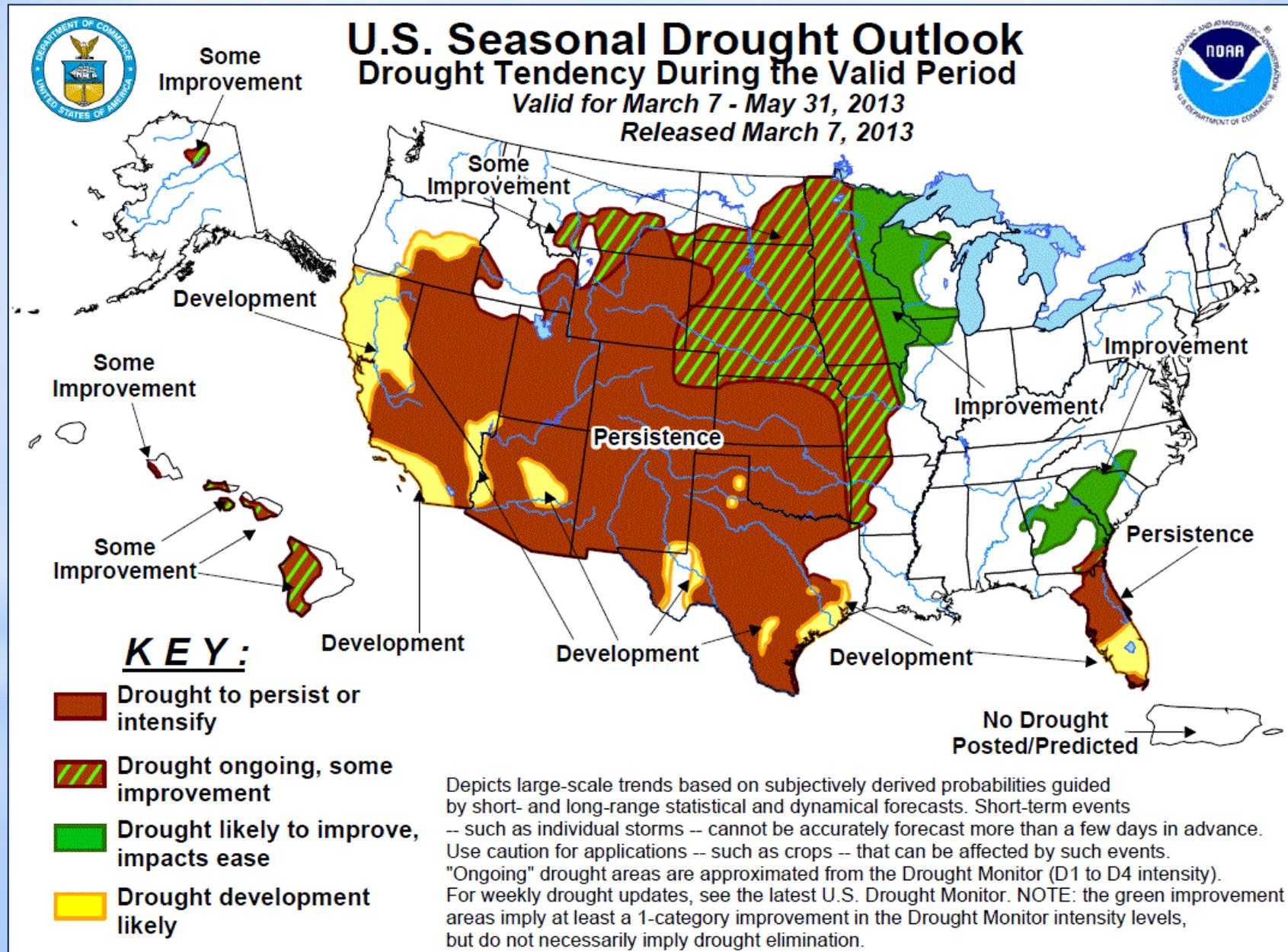


March 5, 2013



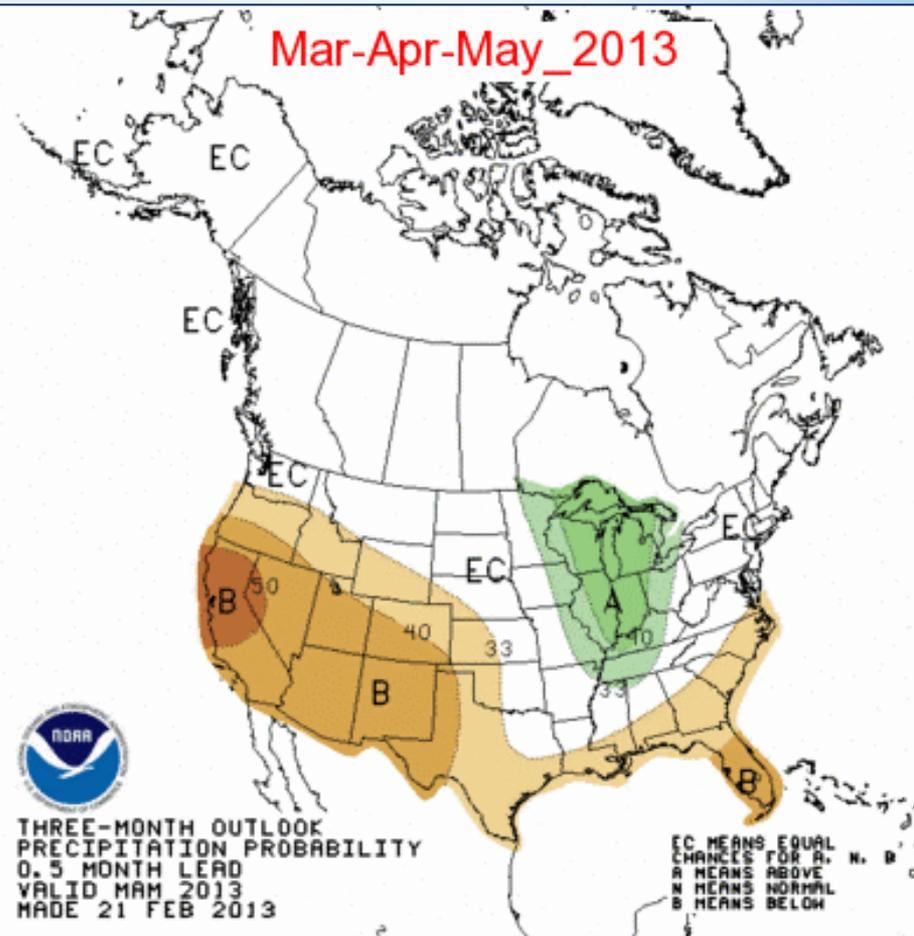
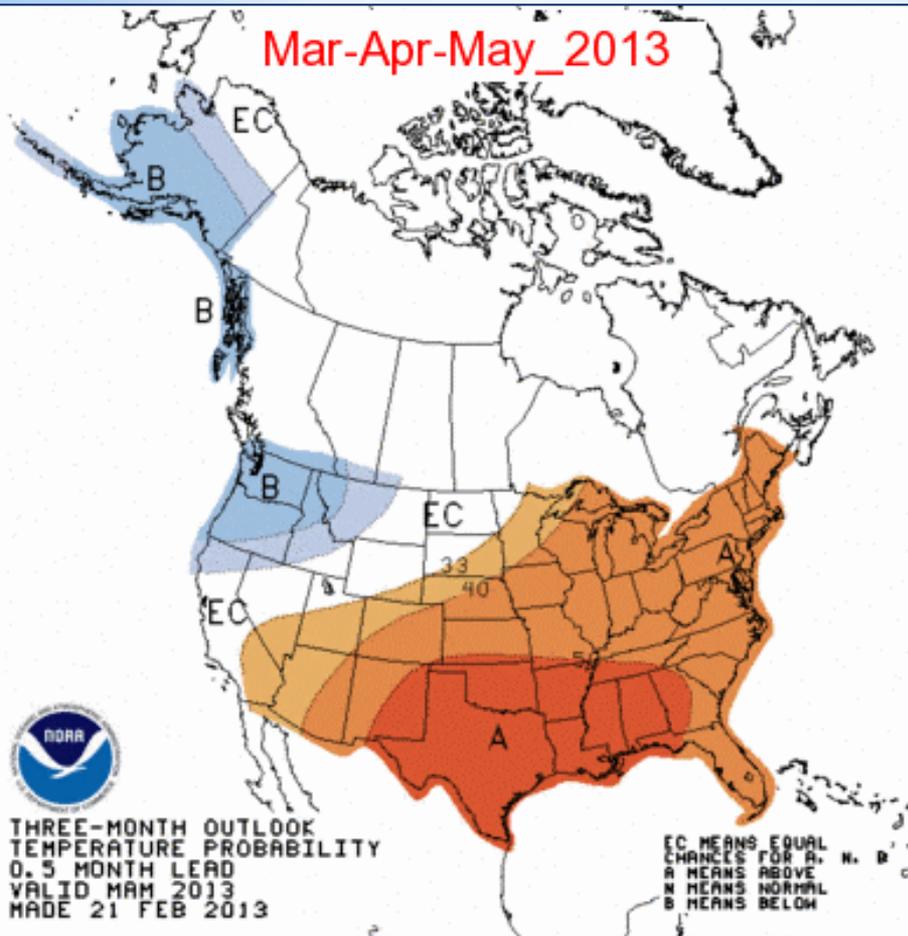
Week	Nothing	D0-D4	D1-D4	D2-D4	D3-D4	D4
December 4, 2012	0.00	100.00	98.62	41.43	8.50	0.00
March 5, 2013	0.00	100.00	83.17	29.87	2.03	0.00

Drought Conditions



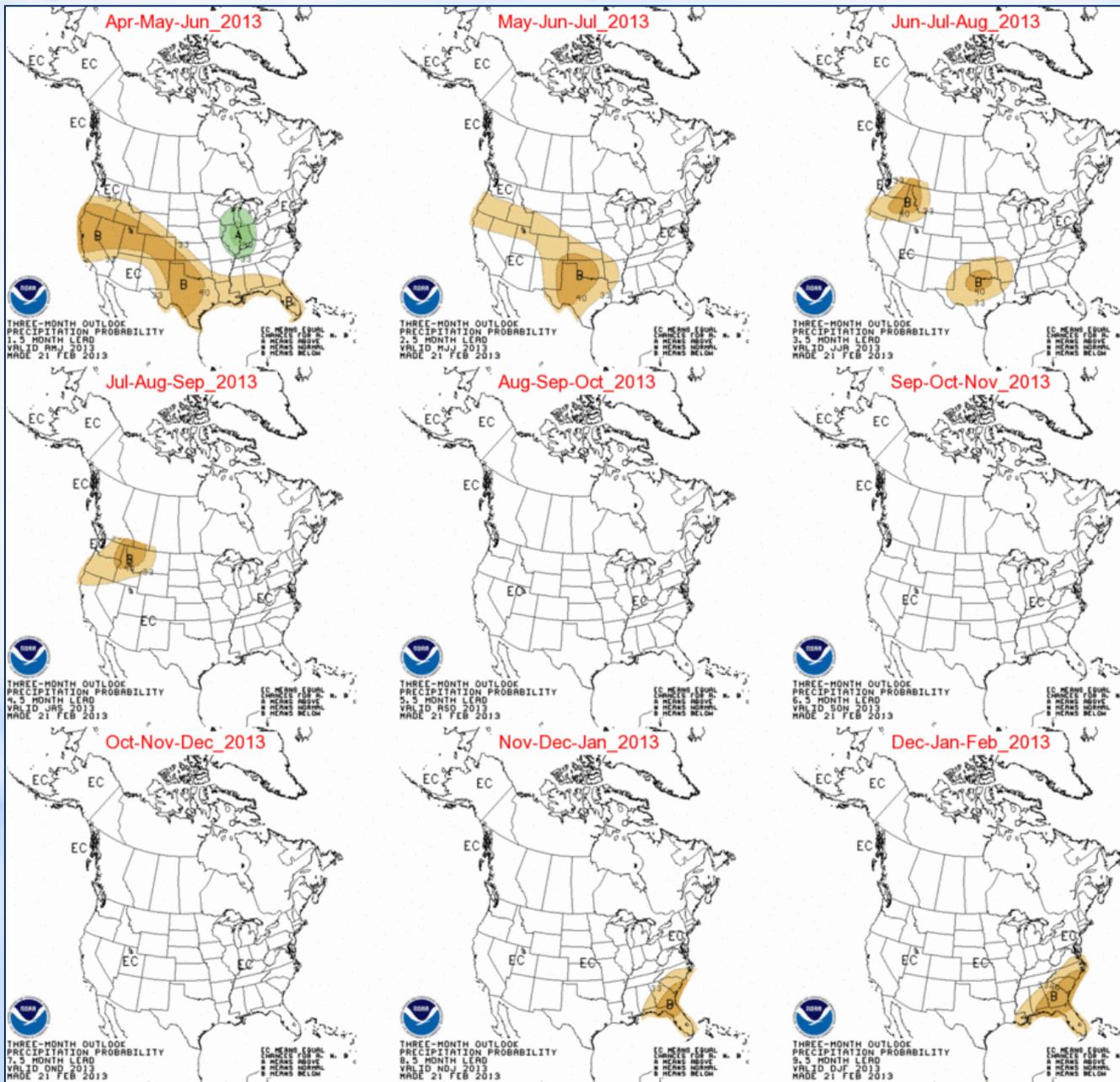
Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events -- such as individual storms -- cannot be accurately forecast more than a few days in advance. Use caution for applications -- such as crops -- that can be affected by such events. "Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest U.S. Drought Monitor. NOTE: the green improvement areas imply at least a 1-category improvement in the Drought Monitor intensity levels, but do not necessarily imply drought elimination.

3 Month Outlook



*Climate Prediction Center - El Niño/Southern Oscillation neutral is favored through Summer 2013 for the Northern Hemisphere

Long Term Precipitation Outlook





Tucson, AZ

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Weather Story



Southern Arizona Weather

Click on the map below for the latest forecast.



Last map update: Mar, 13th 2013 at 11:08:09 am MST

Map FAQs | Glossary

[Read watches, warnings & advisories](#)

There are no watches, warnings, or advisories at this time.

Latest Conditions at Tucson, AZ

Mar 13

10:53 am MST

(16 minutes old)

Wind: ENE 5 MPH



Fair

81 °F

(27 °C)

RH: 10%

DewPt: 19 °F

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1,445

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Tucson, AZ - <http://weather.gov/tucson>

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NWS Tucson @NWS Tucson 3 hrs
Warmer today with highs mostly in the 80s across SE AZ. Warmer yet on Thu & Fri with record near record highs. [on Twitter](#) [on Facebook](#)

NWS Tucson @NWS Tucson Mar 13
The warmup for Southeast Tucson continues with highs today expected in the lower 80s for Tucson. 90 degrees possible by Thu & Fri. [on Twitter](#) [on Facebook](#)

NWS Tucson @NWS Tucson Mar 11
The morning Tucson upper air sounding confirms highs nearly 10 deg warmer today. 70s across lower elevations & 50-55 atop Mt Lemmon. [on Twitter](#) [on Facebook](#)

Dunya Trends Change
#TucsonAZInfo@atlanta

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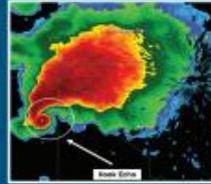
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Weather Spotter Training

Weather Spotter's Field Guide



- * **April 15** from 6:30-8:00pm
U of A Environmental and Natural Resource Bldg, Room 253
- * **April 29** from 6:30-8:00pm
Oro Valley Town Hall Complex, Council Chambers
- * **May 4** from 2:00-3:30pm
U of A Environmental and Natural Resource Bldg, Room 253
- * **June 1** from 2:00-3:30pm
Oro Valley Public Library

A Guide to Being a SKYWARN® Spotter

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service
June 2011

