MONTH IN REVIEW FOR NORTHERN ARIZONA FOR FEBRUARY 2013

TEMPERATURE AND PRECIPITATION OVERVIEW...

February temperatures were significantly below normal due to two cold storm systems followed by dry but cold northwest flow to close out the month. Precipitation was also well below normal for most locations, though some higher terrain areas of northeast Yavapai County and the Mogollon Rim were near normal.

FEBRUARY DATA AND DEPARTURES FROM NORMAL FOR SELECTED CITIES:

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>MAX TEMP</th>
<th>DEP TEMP</th>
<th>MIN TEMP</th>
<th>PCPN TEMP</th>
<th>DEP PCPN</th>
<th>PCPN TOTL</th>
<th>DEP NORM</th>
<th>NORM TOTL</th>
<th>%NORM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flagstaff</td>
<td>41.0</td>
<td>-3.8</td>
<td>14.7</td>
<td>-4.6</td>
<td>0.86</td>
<td>-1.30</td>
<td>40%</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Winslow</td>
<td>MM</td>
<td>MM</td>
<td>0.41</td>
<td>-0.05</td>
<td>99%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prescott AP</td>
<td>52.2</td>
<td>-2.7</td>
<td>24.4</td>
<td>-3.9</td>
<td>0.22</td>
<td>-1.17</td>
<td>16%</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Prescott WTP</td>
<td>50.5</td>
<td>-4.1</td>
<td>21.4</td>
<td>-5.0</td>
<td>0.38</td>
<td>-1.41</td>
<td>21%</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>St Johns</td>
<td>48.5</td>
<td>-5.9</td>
<td>19.3</td>
<td>-4.3</td>
<td>0.29</td>
<td>-0.23</td>
<td>56%</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Grand Canyon AP</td>
<td>43.4</td>
<td>-2.6</td>
<td>11.1</td>
<td>-5.3</td>
<td>MM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bellemont</td>
<td>40.4</td>
<td>-5.0</td>
<td>8.7</td>
<td>-6.9</td>
<td>0.76</td>
<td>-1.72</td>
<td>31%</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Show Low AP</td>
<td>45.3</td>
<td>-6.2</td>
<td>20.1</td>
<td>-6.1</td>
<td>0.96</td>
<td>-0.12</td>
<td>89%</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Saint Johns</td>
<td>48.5</td>
<td>-5.9</td>
<td>19.3</td>
<td>-4.3</td>
<td>0.29</td>
<td>-0.23</td>
<td>56%</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Seligman</td>
<td>54.2</td>
<td>-2.3</td>
<td>20.6</td>
<td>-4.8</td>
<td>0.27</td>
<td>-0.87</td>
<td>24%</td>
<td>100%</td>
<td></td>
</tr>
</tbody>
</table>

Here are some other precipitation totals from our Co-operative observers around northern Arizona.

LOCATION                      | FEBRUARY PRECIP |
-------------------------------|-----------------|
ALPINE RANGER STATION         | 0.98            |
BAGDAD                        | 0.29            |
BELLEMONT NWS OFFICE          | 0.76            |
BLUE RIDGE RANGER STATION     | 1.49            |
CAMP VERDE 3N                 | 0.76            |
CANYON DE CHELLY              | 0.17            |
FLAGSTAFF 4SW (ARBORETUM)     | 0.68            |
FORT VALLEY                   | 0.72            |
FREDONIA 7SSE                 | 0.19            |
GANADO                        | 0.39            |
HEBER (BLACK MESA) R.S.       | 0.79            |
JEROME                        | 2.60            |
LEES FERRY                    | 0.02            |
MCNARY 2 N                    | 1.35            |
NATURAL BRIDGE                | 1.77            |
February 8-11 Cold storm system brings strong wind followed by snow and frigid temperatures. A cold Pacific storm system approached northern Arizona on the 8th bringing gusty southwest winds. Some peak gusts reported include:

- Grand Canyon Airport .......... 53 MPH
- Saint Johns .................... 53 MPH
- Flagstaff ....................... 51 MPH
- Show Low ...................... 46 MPH
- Doney Park ..................... 44 MPH
- Prescott ....................... 44 MPH
- Window Rock ................... 44 MPH
- Sedona .......................... 43 MPH
- Williams ....................... 43 MPH
- Page ............................. 41 MPH

Snow spread west to east across the region early on the 9th and periods of snow continued through the 11th. Particularly heavy snow fell in the upslope regions of the Mogollon Rim just north and east of Payson. Here are some storm total snowfall amounts from around the region:
...APACHE COUNTY... 
VERNON 10.0
2 N MCNARY 8.1
PETRIFIED FOREST 1.5

...COCONINO COUNTY...
HAPPY JACK RANGER STN 24.0
FOREST LAKES 15.0
WILLIAMS 14.0
FLAGSTAFF AIRPORT 13.3
JACOB LAKE 13.0
CLINTS WELL 10.0
BELLEMONTE (NWS OFFICE) 9.2
GRAND CANYON VIS CENTER 6.0
WALNUT CANYON NATL MON 5.2
GRAND CANYON E ENTRANCE 4.9
WUPATKI NATIONAL MONUMENT T
PHANTOM RANCH T

...GILA COUNTY...
WHISPERING PINES 20.0
TONTO VILLAGE 16.0
PINE 10.0
TONTO NATURAL BRIDGE 9.2
PAYSON 7.9
5E RYE 1.0

...NAVAJO COUNTY...
2ESE LINDEN 16.0
PINETOP-LAKESIDE 11.8
SHOW LOW 10.5
HEBER-OVERGAARD 8.8
SHOW LOW AIRPORT 7.4
WINSLow 4.5
SNOWFLAKE 2.0

...YAVAPAI COUNTY...
UPPER OAK CREEK CANYON 11.0
JEROME 3.7
SELIBMAN 2.0
PREScoTT (COOP) 2.0
COTTONWOOD 0.5-1.0
PREScoTT VALLEY 0.5
BAGDAD 0.2
February 20-24 Series of cold storm systems brought moderate snow to much of the region. A storm system moved into Arizona from the northwest on the 20th bringing moderate snowfall. Several additional disturbances crossed the region through the 24th with cold and occasionally snowy conditions persisting. Here are some snowfall amounts from the first round of snow on the 20th and 21st:

**...APACHE COUNTY...**
- SUNRISE SKI PARK 16.0
- ALPINE 6.5
- MCNARY 6.0

**...COCONINO COUNTY...**
- ARIZONA SNOWBOWL 8-15
- FOREST LAKES 12.0
- BLUE RIDGE 9.0
- MUNDS PARK 8.0
- MOUNTAINAIRE 6.5
- BELLEMONT 3.8
- FLAGSTAFF AIRPORT 5.5
- DONEY PARK 2-3
- WILLIAMS 3-4
- SOUTH WILLIAMS 4.9
- GRAND CANYON AIRPORT 3.0
- JACOB LAKE 5.0

**...GILA COUNTY...**
- STRAWBERRY 8-10
- PAYSON 5-9
- TONTO VILLAGE 8.5
- PINE 8.5
- 9 NNE PAYSON 8.0

**...NAVAJO COUNTY...**
- SHOW LOW 3-5
- 4 SE PINETOP-LAKESID 3.0
- HEBER-OVERGAARD 3-4
- WINSLOW 3.0

**...YAVAPAI COUNTY...**
- RIMROCK 6.0
- SEDONA 2.0
- PRESCOTT 1-2
- COTTONWOOD 1.0
- SELIGMAN T

Very cold high temperatures affected the area on the 20th. Prescott Airport and the co-op station at the Sundog water treatment plant both set new records for the coldest highs for the date. The airport
only reached 34 for the high, with the co-op station coming in with 31 degrees.

The final round of snow came late on the 23rd and continued through midday on the 24th:

**APACHE COUNTY**
- SUNRISE SKI PARK 5.0
- SPRINGERVILLE 4.0
- CONCHO 4.0
- 2 N MCNARY 1.7
- ST. JOHNS 1.0

**COCONINO COUNTY**
- ARIZONA SNOWBOWL 2.0
- JACOB LAKE 1.0
- FLAGSTAFF AIRPORT 0.5
- BELLEMONT 0.4

**GILA COUNTY**
- PAYSON 1.0

**NAVAJO COUNTY**
- SHOW LOW 5.0
- CIBECUE 4.0
- SNOWFLAKE 3.0
- HEBER-OVERGAARD 3.0
- PINETOP-LAKESIDE 2.0
- TAYLOR 2.0

**YAVAPAI COUNTY**
- PRESCOTT CITY 2.9
- WEST PRESCOTT 2.4
- 5 N PRESCOTT 2.0
- WILHOIT 1.0

PLEASE SEND QUESTIONS OR COMMENTS TO W-FGZ.WEBMASTER@NOAA.GOV