MONTH IN REVIEW FOR NORTHERN ARIZONA FOR NOVEMBER 2015

NOVEMBER TEMPERATURE AND PRECIPITATION OVERVIEW
November was cooler than normal across northern Arizona, with most locations in the coolest third of Novembers on record. Precipitation was highly variable across the region. Areas from the Mogollon Rim into east central Arizona were wetter than normal, with most other areas drier than normal. Three storm systems affected the state during the first half of November bringing nearly all of the monthly precipitation. Weather conditions were fair for the second half of November.

NOVEMBER DATA AND DEPARTURES FROM NORMAL FOR SELECTED CITIES:

<table>
<thead>
<tr>
<th>Location</th>
<th>Max T Avg</th>
<th>Min T Avg</th>
<th>Precip</th>
<th>% Normal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flagstaff</td>
<td>47.6</td>
<td>20.6</td>
<td>2.83&quot;</td>
<td>161%</td>
</tr>
<tr>
<td>Winslow</td>
<td>57.7</td>
<td>26.3</td>
<td>0.39&quot;</td>
<td>76%</td>
</tr>
<tr>
<td>Prescott AP</td>
<td>58.1</td>
<td>29.2</td>
<td>0.88&quot;</td>
<td>96%</td>
</tr>
<tr>
<td>Prescott WTP</td>
<td>57.6</td>
<td>26.0</td>
<td>1.17&quot;</td>
<td>108%</td>
</tr>
<tr>
<td>St Johns AP</td>
<td>58.4</td>
<td>24.1</td>
<td>0.62&quot;</td>
<td>67%</td>
</tr>
<tr>
<td>Grand Canyon AP</td>
<td>50.3</td>
<td>21.3</td>
<td>0.44&quot;</td>
<td>42%</td>
</tr>
<tr>
<td>Bellemont</td>
<td>47.8</td>
<td>17.5</td>
<td>2.38&quot;</td>
<td>182%</td>
</tr>
<tr>
<td>Show Low AP</td>
<td>53.6</td>
<td>29.8</td>
<td>2.16&quot;</td>
<td>167%</td>
</tr>
<tr>
<td>Page Airport</td>
<td>54.5</td>
<td>35.0</td>
<td>0.20&quot;</td>
<td>36%</td>
</tr>
<tr>
<td>Seligman</td>
<td>58.7</td>
<td>27.5</td>
<td>0.28&quot;</td>
<td>32%</td>
</tr>
<tr>
<td>Window Rock Airport</td>
<td>53.9</td>
<td>21.7</td>
<td>1.46&quot;</td>
<td>168%</td>
</tr>
</tbody>
</table>

NOVEMBER 2015 PRECIPITATION RANKINGS

<table>
<thead>
<tr>
<th>Location</th>
<th>November Precipitation</th>
<th>All-Time Ranking</th>
<th>Period of Record</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flagstaff</td>
<td>2.83&quot;</td>
<td>15th Wettest</td>
<td>1898-2015</td>
</tr>
<tr>
<td>Window Rock</td>
<td>1.46&quot;</td>
<td>1st Wettest</td>
<td>1999-2015</td>
</tr>
<tr>
<td>Show Low</td>
<td>2.16&quot;</td>
<td>4th Wettest</td>
<td>1984-2015</td>
</tr>
<tr>
<td>Oak Creek Canyon</td>
<td>3.35&quot;</td>
<td>15th Wettest</td>
<td>1935-2015</td>
</tr>
<tr>
<td>Happy Jack</td>
<td>3.73&quot;</td>
<td>6th Wettest</td>
<td>1969-2015</td>
</tr>
<tr>
<td>Payson</td>
<td>1.93&quot;</td>
<td>25th Wettest</td>
<td>1948-2015</td>
</tr>
<tr>
<td>Prescott Airport</td>
<td>0.88&quot;</td>
<td>21st Wettest</td>
<td>1948-2015</td>
</tr>
</tbody>
</table>
Additional Precipitation Reports from our COOP Stations:

<table>
<thead>
<tr>
<th>Location</th>
<th>November Precipitation (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpine</td>
<td>0.85</td>
</tr>
<tr>
<td>Bagdad</td>
<td>0.44</td>
</tr>
<tr>
<td>Bellemont NWS</td>
<td>2.38</td>
</tr>
<tr>
<td>Blue Ridge Ranger Station</td>
<td>2.70</td>
</tr>
<tr>
<td>Bright Angel Ranger Station</td>
<td>1.54</td>
</tr>
<tr>
<td>Canyon de Chelly</td>
<td>0.98</td>
</tr>
<tr>
<td>Castle Hot Springs</td>
<td>1.75</td>
</tr>
<tr>
<td>Chino Valley</td>
<td>0.47</td>
</tr>
<tr>
<td>Flagstaff Airport</td>
<td>3.72</td>
</tr>
<tr>
<td>Flagstaff Arboretum</td>
<td>3.55</td>
</tr>
<tr>
<td>Grand Canyon Airport</td>
<td>0.44</td>
</tr>
<tr>
<td>Grand Canyon Visitor Center</td>
<td>0.48</td>
</tr>
<tr>
<td>Happy Jack Ranger Station</td>
<td>3.73</td>
</tr>
<tr>
<td>Heber</td>
<td>2.58</td>
</tr>
<tr>
<td>Jerome</td>
<td>0.98</td>
</tr>
<tr>
<td>Oak Creek</td>
<td>3.35</td>
</tr>
<tr>
<td>Page</td>
<td>0.20</td>
</tr>
<tr>
<td>Payson</td>
<td>1.93</td>
</tr>
<tr>
<td>Phantom Ranch</td>
<td>0.28</td>
</tr>
<tr>
<td>Prescott Airport</td>
<td>0.88</td>
</tr>
<tr>
<td>Prescott City</td>
<td>1.17</td>
</tr>
<tr>
<td>Saint Johns</td>
<td>0.62</td>
</tr>
<tr>
<td>Seligman</td>
<td>0.28</td>
</tr>
<tr>
<td>Show Low Airport</td>
<td>2.16</td>
</tr>
<tr>
<td>Sunset Crater N.M.</td>
<td>1.29</td>
</tr>
<tr>
<td>Walnut Canyon N.M.</td>
<td>2.23</td>
</tr>
<tr>
<td>Williams</td>
<td>1.44</td>
</tr>
<tr>
<td>Window Rock</td>
<td>1.46</td>
</tr>
<tr>
<td>Winslow Airport</td>
<td>0.39</td>
</tr>
<tr>
<td>Wupatki</td>
<td>0.18</td>
</tr>
</tbody>
</table>
**...SIGNIFICANT WEATHER...**

**November 4th – 5th Snow:**
A strong and cold autumn storm system brought widespread rainfall to northern Arizona followed by significant snowfall to the mountainous areas of northern Arizona. Below is a list of snowfall reports received.

### ...APACHE COUNTY...

<table>
<thead>
<tr>
<th>Location</th>
<th>Snowfall</th>
<th>Time</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHAMBERS</td>
<td>6.0</td>
<td>1213 PM</td>
<td>STORM TOTAL</td>
</tr>
<tr>
<td>ALPINE</td>
<td>5.5</td>
<td>949 AM</td>
<td></td>
</tr>
<tr>
<td>NUTRIOSO</td>
<td>4.5</td>
<td>800 AM</td>
<td>STORM TOTAL</td>
</tr>
<tr>
<td>2 N MCNARY</td>
<td>3.5</td>
<td>710 AM</td>
<td></td>
</tr>
<tr>
<td>GANADO</td>
<td>3.0</td>
<td>1215 PM</td>
<td>STORM TOTAL</td>
</tr>
<tr>
<td>SANDERS</td>
<td>3.0</td>
<td>947 AM</td>
<td>SANDERS POINT OF ENTRY.</td>
</tr>
<tr>
<td>17 E SNOWFLAKE</td>
<td>3.0</td>
<td>1017 AM</td>
<td></td>
</tr>
<tr>
<td>ST. JOHNS</td>
<td>2.0</td>
<td>949 AM</td>
<td></td>
</tr>
<tr>
<td>CANYON DE CHELLY</td>
<td>1.0</td>
<td>832 AM</td>
<td></td>
</tr>
<tr>
<td>WINDOW ROCK</td>
<td>1.0</td>
<td>946 AM</td>
<td>LESS THAN 1 INCH.</td>
</tr>
<tr>
<td>CONCHO</td>
<td>0.5</td>
<td>723 AM</td>
<td></td>
</tr>
</tbody>
</table>

### ...COCONINO COUNTY...

<table>
<thead>
<tr>
<th>Location</th>
<th>Snowfall</th>
<th>Time</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOUNTAINAIRE</td>
<td>12.0</td>
<td>745 PM</td>
<td>STORM TOTAL SNOWFALL</td>
</tr>
<tr>
<td>1 E FOREST LAKES</td>
<td>12.0</td>
<td>700 AM</td>
<td>STORM TOTAL SNOWFALL</td>
</tr>
<tr>
<td>1 NE MUNDS PARK</td>
<td>11.0</td>
<td>700 AM</td>
<td>STORM TOTAL SNOWFALL</td>
</tr>
<tr>
<td>FLAGSTAFF AIRPORT</td>
<td>9.9</td>
<td>748 AM</td>
<td>STORM TOTAL SNOW</td>
</tr>
<tr>
<td>7 NW FLAGSTAFF</td>
<td>8.5</td>
<td>744 AM</td>
<td>STORM TOTAL SNOW</td>
</tr>
<tr>
<td>BELLEMONT</td>
<td>8.0</td>
<td>537 AM</td>
<td>STORM TOTAL SNOWFALL</td>
</tr>
<tr>
<td>2 SW FLAGSTAFF</td>
<td>7.3</td>
<td>751 AM</td>
<td>STORM TOTAL SNOWFALL</td>
</tr>
<tr>
<td>MORMON LAKE</td>
<td>7.0</td>
<td>1042 AM</td>
<td>STORM TOTAL SNOWFALL</td>
</tr>
<tr>
<td>KACHINA VILLAGE</td>
<td>6.6</td>
<td>1003 AM</td>
<td>STORM TOTAL SNOWFALL</td>
</tr>
<tr>
<td>1 SW WILLIAMS</td>
<td>5.0</td>
<td>907 AM</td>
<td>STORM TOTAL SNOWFALL</td>
</tr>
<tr>
<td>JACOB LAKE</td>
<td>4.0</td>
<td>1008 AM</td>
<td>STORM TOTAL SNOWFALL</td>
</tr>
<tr>
<td>DONEY PARK</td>
<td>3.0</td>
<td>536 AM</td>
<td>STORM TOTAL SNOWFALL</td>
</tr>
<tr>
<td>1 WSW VALLE</td>
<td>2.0</td>
<td>1038 AM</td>
<td>STORM TOTAL SNOWFALL</td>
</tr>
</tbody>
</table>
November 10th Wind:
A passing low pressure system brought areas of strong wind to northern Arizona. Peak wind gusts are reported below.

APACHE COUNTY
WINDOW ROCK ....................... 52 MPH
SAINT JOHNS ....................... 50 MPH
GREER ......................... 40 MPH
CONCHO ...................... 38 MPH

COCONINO COUNTY
FLAGSTAFF AIRPORT ............... 47 MPH
DONEY PARK .................... 44 MPH
November 16th Snowfall:
A quick moving storm system resulted in light to moderate amounts of snow across the high country of northern Arizona. Snow reports are listed below.

...APACHE COUNTY...
  WINDOW ROCK  3.0  400 PM 11/16
  2 N McNARY    2.3  455 PM 11/16

...COCONINO COUNTY...
  10 NNW FLAGSTAFF  11.0  230 PM 11/16
  10 NW FLAGSTAFF   6.0  345 PM 11/16
  BELLEMONT        3.6  500 PM 11/16
  FLAGSTAFF        3.0  330 PM 11/16
  FOREST LAKES     3.0  1020 AM 11/16  SINCE 3 AM
November 25th Strong Wind:
Strong southwest winds developed ahead of a strong cold front moving through the southwest. Below are the peak wind reports observed.

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>SPEED</th>
<th>TIME/DATE</th>
<th>ELEVATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>...APACHE COUNTY...</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8 SW CONCHO</td>
<td>49 MPH</td>
<td>0231 PM 11/25</td>
<td>6388 FT</td>
</tr>
<tr>
<td>WINDOW ROCK AIRPORT</td>
<td>49 MPH</td>
<td>1203 PM 11/25</td>
<td>6743 FT</td>
</tr>
<tr>
<td>LUPTON</td>
<td>48 MPH</td>
<td>1114 AM 11/25</td>
<td>6190 FT</td>
</tr>
<tr>
<td>PETRIFIED FOREST NATIONAL PA</td>
<td>45 MPH</td>
<td>1213 PM 11/25</td>
<td>5745 FT</td>
</tr>
<tr>
<td>3 NNE GREER</td>
<td>44 MPH</td>
<td>1135 AM 11/25</td>
<td>8240 FT</td>
</tr>
<tr>
<td>ST JOHNS INDUSTRIAL AIRPARK</td>
<td>44 MPH</td>
<td>0256 PM 11/25</td>
<td>5733 FT</td>
</tr>
<tr>
<td>...COCONINO COUNTY...</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 W TWO GUNS</td>
<td>65 MPH</td>
<td>1251 PM 11/25</td>
<td>5450 FT</td>
</tr>
<tr>
<td>GRAND CANYON AIRPORT</td>
<td>54 MPH</td>
<td>1259 PM 11/25</td>
<td>6600 FT</td>
</tr>
<tr>
<td>4 N HOUSE ROCK</td>
<td>54 MPH</td>
<td>1119 AM 11/25</td>
<td>6560 FT</td>
</tr>
<tr>
<td>11 WNW BITTER SPRINGS</td>
<td>51 MPH</td>
<td>0100 PM 11/25</td>
<td>7235 FT</td>
</tr>
<tr>
<td>3 NW WILLIAMS</td>
<td>47 MPH</td>
<td>1035 AM 11/25</td>
<td>6680 FT</td>
</tr>
<tr>
<td>FLAGSTAFF AP</td>
<td>46 MPH</td>
<td>1014 AM 11/25</td>
<td>7003 FT</td>
</tr>
<tr>
<td>DONEY PARK</td>
<td>44 MPH</td>
<td>1005 AM 11/25</td>
<td>6552 FT</td>
</tr>
<tr>
<td>6 E WILLIAMS</td>
<td>44 MPH</td>
<td>0216 PM 11/25</td>
<td>6923 FT</td>
</tr>
<tr>
<td>5 WSW WILLIAMS</td>
<td>41 MPH</td>
<td>0102 PM 11/25</td>
<td>6850 FT</td>
</tr>
</tbody>
</table>
14 N JACOB LAKE  40 MPH  0333 AM 11/25  6400 FT

...NAVAJO COUNTY...
WINNSLOW-LINDBERGH REGIONAL A 60 MPH  0205 PM 11/25  4890 FT
SHOW LOW  54 MPH  0115 PM 11/25  6411 FT
3 ESE WINNSLOW  52 MPH  0148 PM 11/25  4855 FT
6 W JOSEPH CITY  52 MPH  1149 AM 11/25  4940 FT
6 SW WOODRUFF  51 MPH  1244 PM 11/25  5440 FT
2 ESE HEBER-OVERGAARD  49 MPH  1135 AM 11/25  6657 FT
5 NW ARIPINE  45 MPH  1210 PM 11/25  6360 FT
KYKOTSMOVII VILLAGE  41 MPH  0413 PM 11/25  5579 FT

...YAVAPAI COUNTY...
ERNEST A LOVE FIELD AIRPORT  47 MPH  0148 PM 11/25  5042 FT
3 ESE IRON SPRINGS  43 MPH  1203 PM 11/25  5615 FT

OBSERVATIONS ARE COLLECTED FROM A VARIETY OF SOURCES WITH VARYING EQUIPMENT AND EXPOSURE. NOT ALL DATA LISTED ARE CONSIDERED OFFICIAL.

RECORD REPORTS:

November 4th Record Daily Rainfall Prescott:

...RECORD DAILY MAXIMUM RAINFALL SET AT PRESCOTT AZ AIRPORT...

A RECORD RAINFALL OF 0.52 INCH(ES) WAS SET AT PRESCOTT AZ AIRPORT ON TUESDAY, NOVEMBER 3rd. THIS BREAKS THE OLD RECORD OF 0.18 SET IN 1957.
November 4\textsuperscript{th} Record Daily Snowfall Flagstaff:

...RECORD DAILY MAXIMUM SNOWFALL SET AT FLAGSTAFF AZ AIRPORT WEDNESDAY NOVEMBER 4\textsuperscript{TH}...

A RECORD DAILY SNOWFALL OF 9.9 INCHES WAS SET AT FLAGSTAFF AZ AIRPORT WEDNESDAY, NOVEMBER 4\textsuperscript{TH}. THIS BREAKS THE OLD RECORD OF 5.0 INCHES SET IN 1925.