### Site Identification

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<tr>
<td>County</td>
<td>Washington</td>
</tr>
<tr>
<td>Operating Agency</td>
<td>University of Arkansas</td>
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<td>Sponsoring Agency</td>
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<td>Longitude</td>
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### Sample Validity for Annual Period

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<th>Spring*</th>
<th>Summer</th>
<th>Fall</th>
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<tbody>
<tr>
<td>Number of samples</td>
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<tr>
<td>with full chemistry**</td>
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<td>without chemistry</td>
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<tr>
<td>without precipitation</td>
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<td>11</td>
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<tr>
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<tr>
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### Summary Period Information

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<th>Summer</th>
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<tbody>
<tr>
<td>First summary period day#</td>
<td>01/01/1980</td>
<td>03/04/1980</td>
<td>06/03/1980</td>
<td>09/02/1980</td>
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<td>09/02/1980</td>
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<td>91</td>
<td>91</td>
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<td>Number of samples</td>
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<td>3</td>
<td>13</td>
<td>13</td>
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<tr>
<td>Measured precipitation (cm)</td>
<td>47.2</td>
<td>1.9</td>
<td>19.0</td>
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<td>Valid samples with full chemistry**</td>
<td>20</td>
<td>2</td>
<td>7</td>
<td>9</td>
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<tr>
<td>Valid field pH measurements</td>
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### NADP/NTN Completeness Criteria

<table>
<thead>
<tr>
<th>Field</th>
<th>Annual*</th>
<th>Spring*</th>
<th>Summer</th>
<th>Fall</th>
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</thead>
<tbody>
<tr>
<td>1. Summary period with valid samples (%)</td>
<td>61.5</td>
<td>15.4</td>
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<td>2. Summary period with precip coverage (%)</td>
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<td>15.4</td>
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<td>100.0</td>
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<tr>
<td>3. Measured precipitation with valid samples (%)</td>
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<td>100.0</td>
<td>100.0</td>
<td>100.0</td>
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<tr>
<td>4. Collector efficiency (%)</td>
<td>95.7</td>
<td>99.4</td>
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<td>97.1</td>
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<td>Precip with full chemistry and valid field pH (%)</td>
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</table>

* = Data do not meet NADP/NTN Completeness Criteria for this period.

** = Valid samples for which all Laboratory Chemical measurements were made (The ONLY samples described by the percentile distributions in the Statistical Summary of Precipitation Chemistry for Valid Samples).

*** = Measured precipitation for sample periods during which precipitation occurred and for which complete valid laboratory chemistry data are available.

# = Summary period start and end days do not correspond to the first or last sample day.
### Precipitation-Weighted Mean Concentrations

<table>
<thead>
<tr>
<th></th>
<th>Ca</th>
<th>Mg</th>
<th>K</th>
<th>Na</th>
<th>NH4</th>
<th>NO3</th>
<th>Cl</th>
<th>SO4</th>
<th>H(lab)</th>
<th>H(fld)</th>
<th>pH(lab)</th>
<th>pH(fld)</th>
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<tbody>
<tr>
<td>Annual*</td>
<td>0.26</td>
<td>0.027</td>
<td>0.036</td>
<td>0.203</td>
<td>0.33</td>
<td>1.13</td>
<td>0.33</td>
<td>1.53</td>
<td>1.40E-02</td>
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<tr>
<td>Spring*</td>
<td>0.50</td>
<td>0.064</td>
<td>0.065</td>
<td>0.414</td>
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<td>2.83</td>
<td>0.41</td>
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<td>4.31</td>
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<tr>
<td>Summer</td>
<td>0.33</td>
<td>0.034</td>
<td>0.053</td>
<td>0.371</td>
<td>0.36</td>
<td>1.40</td>
<td>0.52</td>
<td>1.73</td>
<td>1.57E-02</td>
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<tr>
<td>Fall</td>
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<td>0.021</td>
<td>0.020</td>
<td>0.060</td>
<td>0.27</td>
<td>0.90</td>
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<td>4.94</td>
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### Deposition

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<th>NH4</th>
<th>NO3</th>
<th>Cl</th>
<th>SO4</th>
<th>H(lab)</th>
<th>H(fld)</th>
<th>pH(lab)</th>
<th>pH(fld)</th>
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<tr>
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<tr>
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<td>0.043</td>
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### Weekly Sample Concentrations

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<th>Na</th>
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<th>NO3</th>
<th>Cl</th>
<th>SO4</th>
<th>H(lab)</th>
<th>H(fld)</th>
<th>pH(lab)</th>
<th>pH(fld)</th>
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<tr>
<td>Minimum value</td>
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<td>0.009</td>
<td>0.004</td>
<td>0.015</td>
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<td>0.12</td>
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<td>0.011</td>
<td>0.009</td>
<td>0.021</td>
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### Other Parameters

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<th>Conductivity uS/cm</th>
<th>SO4 NO3</th>
<th>SO4+NO3</th>
<th>NO3</th>
<th>Cation Anion</th>
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<td>Percentile 90</td>
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### Annual and Seasonal Equivalence Ratios

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<th>Cation</th>
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<tr>
<td>Annual*</td>
<td>1.75</td>
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<tr>
<td>Spring*</td>
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<td>Fall</td>
<td>1.85</td>
<td>3.59</td>
<td>0.91</td>
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*Please see page 1 for footnotes.*

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National Atmospheric Deposition Program/National Trends Network
1980 Annual & Seasonal Data Summary for Site AR27
Page 2: Statistical Summary of Precipitation Chemistry for Valid Samples