### Site Identification

<table>
<thead>
<tr>
<th>Site Name</th>
<th>Shabbona</th>
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<td>Site ID</td>
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</tr>
<tr>
<td>County</td>
<td>Dekalb</td>
</tr>
<tr>
<td>Operating Agency</td>
<td>SAES-University of Illinois-NIARC</td>
</tr>
<tr>
<td>Sponsoring Agency</td>
<td>SAES-University of Illinois</td>
</tr>
<tr>
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<tr>
<td>Longitude</td>
<td>88:51:04</td>
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<td>Elevation</td>
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### Summary Period Information

<table>
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<tr>
<th></th>
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<th>Winter</th>
<th>Spring</th>
<th>Summer</th>
<th>Fall</th>
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<tbody>
<tr>
<td>First summary period day</td>
<td>12/29/1998</td>
<td>12/01/1998</td>
<td>03/02/1999</td>
<td>06/01/1999</td>
<td>08/31/1999</td>
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<tr>
<td>Last summary period day</td>
<td>12/28/1999</td>
<td>02/23/1999</td>
<td>06/01/1999</td>
<td>08/31/1999</td>
<td>11/30/1999</td>
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<td>Summary period duration</td>
<td>364</td>
<td>91</td>
<td>91</td>
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<tr>
<td>Number of samples</td>
<td>52</td>
<td>13</td>
<td>13</td>
<td>13</td>
<td>13</td>
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<tr>
<td>Measured precipitation (cm)</td>
<td>81.8</td>
<td>13.4</td>
<td>24.3</td>
<td>26.8</td>
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<tr>
<td>Valid samples with full chemistry**</td>
<td>37</td>
<td>8</td>
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<tr>
<td>Valid field pH measurements</td>
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### NADP/NTN Completeness Criteria

<table>
<thead>
<tr>
<th></th>
<th>Annual</th>
<th>Winter</th>
<th>Spring</th>
<th>Summer</th>
<th>Fall</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Summary period with valid samples (%)</td>
<td>90.4</td>
<td>92.3</td>
<td>100.0</td>
<td>76.9</td>
<td>76.9</td>
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<td>2. Summary period with precip coverage (%)</td>
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<td>100.0</td>
<td>100.0</td>
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<td>3. Measured precipitation with valid samples (%)</td>
<td>97.2</td>
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<td>4. Collector efficiency (%)</td>
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<td>Precip with full chemistry and valid field pH (%)</td>
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<td>0.0</td>
<td>0.0</td>
<td>0.0</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.
### 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(fl)</th>
<th>pH(lab)</th>
<th>pH(fl)</th>
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</thead>
<tbody>
<tr>
<td>Annual</td>
<td>0.32</td>
<td>0.052</td>
<td>0.025</td>
<td>0.050</td>
<td>0.45</td>
<td>1.74</td>
<td>0.10</td>
<td>2.08</td>
<td>2.64E-02</td>
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<td>4.58</td>
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</tr>
<tr>
<td>Winter</td>
<td>0.16</td>
<td>0.021</td>
<td>0.013</td>
<td>0.058</td>
<td>0.35</td>
<td>1.17</td>
<td>0.10</td>
<td>1.96</td>
<td>2.82E-02</td>
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<tr>
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<td>0.082</td>
<td>0.040</td>
<td>0.082</td>
<td>0.60</td>
<td>2.58</td>
<td>0.14</td>
<td>2.81</td>
<td>3.26E-02</td>
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<td>4.49</td>
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<tr>
<td>Summer</td>
<td>0.35</td>
<td>0.060</td>
<td>0.026</td>
<td>0.035</td>
<td>0.46</td>
<td>1.62</td>
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<td>1.87</td>
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<tr>
<td>Fall</td>
<td>0.13</td>
<td>0.021</td>
<td>0.010</td>
<td>0.025</td>
<td>0.32</td>
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<td>0.06</td>
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<td>2.66E-02</td>
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### Deposition

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<th>Ca</th>
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<th>K</th>
<th>Na</th>
<th>NH4</th>
<th>NO3</th>
<th>Cl</th>
<th>SO4</th>
<th>H(lab)</th>
<th>H(fl)</th>
<th>pH(lab)</th>
<th>pH(fl)</th>
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<tbody>
<tr>
<td>Annual</td>
<td>2.62</td>
<td>0.426</td>
<td>0.205</td>
<td>0.409</td>
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<td>14.27</td>
<td>0.79</td>
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<td>1.57</td>
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<td>0.097</td>
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<tr>
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### Weekly Sample Concentrations

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<tr>
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<th>Na</th>
<th>NH4</th>
<th>NO3</th>
<th>Cl</th>
<th>SO4</th>
<th>H(lab)</th>
<th>H(fl)</th>
<th>pH(lab)</th>
<th>pH(fl)</th>
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<tbody>
<tr>
<td>Minimum value</td>
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<td>0.007</td>
<td>0.001</td>
<td>0.006</td>
<td>0.13</td>
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<td>0.03</td>
<td>0.09</td>
<td>8.51E-04</td>
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<tr>
<td>Percentile 10</td>
<td>0.08</td>
<td>0.013</td>
<td>0.006</td>
<td>0.012</td>
<td>0.18</td>
<td>0.69</td>
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<td>1.00</td>
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<td>Percentile 25</td>
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<td>0.010</td>
<td>0.025</td>
<td>0.25</td>
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### Other Parameters

<table>
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<tr>
<th>Measured Precipitation*** cm</th>
<th>Conductivity uS/cm</th>
<th>Equivalence Ratios</th>
<th>Annual and Seasonal Equivalence Ratios</th>
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<tbody>
<tr>
<td></td>
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<td>SO4</td>
<td>SO4+NO3</td>
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<td>Fall</td>
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<td>1.97</td>
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Please see page 1 for footnotes.