### Site Identification

<table>
<thead>
<tr>
<th>Site Name</th>
<th>Clinton Crops Research Station</th>
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<tr>
<td>Site ID</td>
<td>NC35</td>
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<tr>
<td>State</td>
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<tr>
<td>County</td>
<td>Sampson</td>
</tr>
<tr>
<td>Operating Agency</td>
<td>SAES-NCSU-Hort. Crops Research Ctr</td>
</tr>
<tr>
<td>Sponsoring Agency</td>
<td>North Carolina State Univ.</td>
</tr>
<tr>
<td>Latitude</td>
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<tr>
<td>Longitude</td>
<td>78:16:42</td>
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<td>Elevation</td>
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### Summary Period Information

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<th>Winter</th>
<th>Spring</th>
<th>Summer</th>
<th>Fall</th>
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<tr>
<td>Summary period duration</td>
<td>364</td>
<td>84</td>
<td>98</td>
<td>91</td>
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<tr>
<td>Number of samples</td>
<td>52</td>
<td>12</td>
<td>14</td>
<td>13</td>
<td>13</td>
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<tr>
<td>Measured precipitation (cm)</td>
<td>124.1</td>
<td>16.7</td>
<td>19.8</td>
<td>71.1</td>
<td>16.1</td>
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<tr>
<td>Valid samples with full chemistry**</td>
<td>45</td>
<td>12</td>
<td>12</td>
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<td>Valid field pH measurements</td>
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<td>10</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>
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<tbody>
<tr>
<td>1. Summary period with valid samples (%)</td>
<td>100.0</td>
<td>100.0</td>
<td>92.9</td>
<td>100.0</td>
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<td>3. Measured precipitation with valid samples (%)</td>
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<td>100.0</td>
<td>100.0</td>
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<td>4. Collector efficiency (%)</td>
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<td>Precip with full chemistry and valid field pH (%)</td>
<td>86.8</td>
<td>97.7</td>
<td>65.5</td>
<td>89.4</td>
<td>89.3</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(fld)</th>
<th>pH(lab)</th>
<th>pH(fld)</th>
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<tbody>
<tr>
<td>Annual</td>
<td>0.04</td>
<td>0.021</td>
<td>0.017</td>
<td>0.162</td>
<td>0.22</td>
<td>0.86</td>
<td>0.30</td>
<td>1.47</td>
<td>2.72E-02</td>
<td>2.33E-02</td>
<td>4.57</td>
<td>4.63</td>
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<tr>
<td>Winter</td>
<td>0.05</td>
<td>0.045</td>
<td>0.019</td>
<td>0.363</td>
<td>0.17</td>
<td>0.90</td>
<td>0.65</td>
<td>1.29</td>
<td>2.61E-02</td>
<td>2.19E-02</td>
<td>4.58</td>
<td>4.66</td>
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<tr>
<td>Spring</td>
<td>0.09</td>
<td>0.038</td>
<td>0.040</td>
<td>0.289</td>
<td>0.20</td>
<td>0.93</td>
<td>0.50</td>
<td>1.21</td>
<td>1.75E-02</td>
<td>1.74E-02</td>
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<td>4.76</td>
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<tr>
<td>Summer</td>
<td>0.03</td>
<td>0.009</td>
<td>0.011</td>
<td>0.070</td>
<td>0.27</td>
<td>0.87</td>
<td>0.14</td>
<td>1.66</td>
<td>3.12E-02</td>
<td>2.46E-02</td>
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<td>4.61</td>
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<tr>
<td>Fall</td>
<td>0.05</td>
<td>0.027</td>
<td>0.015</td>
<td>0.216</td>
<td>0.13</td>
<td>0.82</td>
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<td>2.81E-02</td>
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### Deposition

<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>0.53</td>
<td>0.261</td>
<td>0.211</td>
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<td>2.77</td>
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<td>3.71</td>
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<td>2.89E-01</td>
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<td>Winter</td>
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<td>1.09</td>
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<tr>
<td>Spring</td>
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<td>0.075</td>
<td>0.079</td>
<td>0.571</td>
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<td>0.99</td>
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<td>Summer</td>
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<td>0.078</td>
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### Weekly Sample Concentrations

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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(fld)</th>
<th>pH(lab)</th>
<th>pH(fld)</th>
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<tr>
<td>Minimum value</td>
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<td>0.003</td>
<td>0.003</td>
<td>0.020</td>
<td>0.02</td>
<td>0.12</td>
<td>0.05</td>
<td>0.26</td>
<td>1.45E-03</td>
<td>7.08E-04</td>
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<td>3.87</td>
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<tr>
<td>Percentile 10</td>
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<td>0.005</td>
<td>0.005</td>
<td>0.038</td>
<td>0.07</td>
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<td>0.09</td>
<td>0.46</td>
<td>4.00E-03</td>
<td>7.46E-03</td>
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<td>4.17</td>
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<td>0.014</td>
<td>0.012</td>
<td>0.100</td>
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<td>0.91</td>
<td>1.40E-02</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>
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<td>SO4=NO3</td>
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<tr>
<td>Minimum value</td>
<td>0.05</td>
<td>3.1</td>
<td>0.58</td>
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<tr>
<td>Percentile 10</td>
<td>0.22</td>
<td>5.5</td>
<td>1.31</td>
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<td>Percentile 25</td>
<td>0.61</td>
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<td>1.58</td>
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<tr>
<td>Percentile 50</td>
<td>1.60</td>
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<td>1.89</td>
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*Please see page 1 for footnotes.*