**Site Identification**

<table>
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<th>North Atlantic Coastal Lab</th>
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<td>Site ID</td>
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<tr>
<td>County</td>
<td>Barnstable</td>
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<td>NPS</td>
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<tr>
<td>Sponsoring Agency</td>
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<td>Longitude</td>
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**Sample Validity for Annual Period**

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<tr>
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<td></td>
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<tr>
<td></td>
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<td>Invalid Samples</td>
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<tr>
<th>Sample Validity for Annual Period</th>
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<tr>
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<td>25</td>
</tr>
<tr>
<td>with full chemistry**</td>
<td></td>
<td>16</td>
</tr>
<tr>
<td>without chemistry</td>
<td></td>
<td>15</td>
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<tr>
<td>without precipitation</td>
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<td>invalid</td>
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**Summary Period Information**

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<th>Annual*</th>
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<th>Spring*</th>
<th>Fall*</th>
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<tr>
<td>First summary period day</td>
<td>12/30/1986</td>
<td>12/02/1986</td>
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<td>09/01/1987</td>
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<td>Last summary period day</td>
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<td>02/24/1987</td>
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<td>87</td>
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<td>Number of samples</td>
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<tr>
<td>Measured precipitation (cm)</td>
<td>58.0</td>
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<td>Valid samples with full chemistry**</td>
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<td>Valid field pH measurements</td>
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**NADP/NTN Completeness Criteria**

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<th>Annual*</th>
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<th>Spring*</th>
<th>Fall*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Summary period with valid samples (%)</td>
<td>30.7</td>
<td>45.1</td>
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<td>3. Measured precipitation with valid samples (%)</td>
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<td>4. Collector efficiency (%)</td>
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<td>96.3</td>
<td>119.2</td>
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<td>26.2</td>
<td>13.0</td>
<td>39.7</td>
<td>22.7</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.
# National Atmospheric Deposition Program/National Trends Network

## 1987 Annual & Seasonal Data Summary for Site MA01

### Page 2: Statistical Summary of Precipitation Chemistry for Valid Samples

#### 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>
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<tr>
<td>Winter*</td>
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<td>0.214</td>
<td>0.066</td>
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<td>Spring*</td>
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<td>0.065</td>
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<table>
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<th>NO₃</th>
<th>Cl</th>
<th>SO₄</th>
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<th>H(fld)</th>
<th>pH(lab)</th>
<th>pH(fld)</th>
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<tbody>
<tr>
<td>Fall*</td>
<td>0.11</td>
<td>0.147</td>
<td>0.052</td>
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#### Deposition

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<th>SO₄</th>
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<th>H(fld)</th>
<th>pH(lab)</th>
<th>pH(fld)</th>
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<td>Annual*</td>
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<tr>
<td>Winter*</td>
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<td>1.057</td>
<td>0.326</td>
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<td>2.27</td>
<td>16.27</td>
<td>5.44</td>
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<tr>
<td>Spring*</td>
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<td>0.033</td>
<td>0.010</td>
<td>0.266</td>
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<table>
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<th>H(fld)</th>
<th>pH(lab)</th>
<th>pH(fld)</th>
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<tbody>
<tr>
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<td>3.44</td>
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#### Weekly Sample Concentrations

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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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<td>0.021</td>
<td>0.293</td>
<td>0.02</td>
<td>0.27</td>
<td>0.47</td>
<td>0.76</td>
<td>8.51E-03</td>
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<td>3.76</td>
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<td>0.060</td>
<td>0.023</td>
<td>0.494</td>
<td>0.02</td>
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#### Other Parameters

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<th>Conductivity uS/cm</th>
<th>Equivalence Ratios</th>
<th>SO₄ NO₃</th>
<th>SO₄+NO₃ H</th>
<th>Cation Anion</th>
<th>SO₄ NO₃</th>
<th>SO₄+NO₃ H</th>
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<tr>
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<td>14.5</td>
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<tr>
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<tr>
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<td>5.54</td>
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#### Annual and Seasonal Equivalence Ratios

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<th>Spring*</th>
<th>Fall*</th>
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</thead>
<tbody>
<tr>
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<td>NO₃</td>
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Please see page 1 for footnotes.