### National Atmospheric Deposition Program/National Trends Network

#### 2002 Annual & Seasonal Data Summary for Site LA12

**Part 1: Summary of Sample Validity and Completeness Criteria**

(Printed 08/13/2003)

<table>
<thead>
<tr>
<th>Site Identification</th>
<th>Sample Validity for Annual Period</th>
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<tr>
<td>Site Name</td>
<td>Iberia Research Station</td>
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<tr>
<td>Site ID</td>
<td>LA12</td>
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<tr>
<td>State</td>
<td>LA</td>
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<tr>
<td>County</td>
<td>Iberia</td>
</tr>
<tr>
<td>Operating Agency</td>
<td>Louisiana DEQ/SAES-Louisiana State Univ-IRS</td>
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<tr>
<td>Sponsoring Agency</td>
<td>USGS</td>
</tr>
<tr>
<td>Latitude</td>
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</tr>
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<td>Longitude</td>
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<td>Elevation</td>
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<tr>
<td></td>
<td>Number of samples: 52</td>
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<tr>
<td></td>
<td>Valid Samples: 37</td>
</tr>
<tr>
<td></td>
<td>with precipitation: 32</td>
</tr>
<tr>
<td></td>
<td>with full chemistry**: 32</td>
</tr>
<tr>
<td></td>
<td>without chemistry: 0</td>
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<tr>
<td></td>
<td>without precipitation: 5</td>
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<td></td>
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<tr>
<td></td>
<td>with precipitation: 15</td>
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<td>missing precipitation data: 0</td>
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### Summary Period Information

<table>
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<th>Winter</th>
<th>Spring*</th>
<th>Summer*</th>
<th>Fall*</th>
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<tbody>
<tr>
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<td>01/01/2002</td>
<td>11/27/2001</td>
<td>02/26/2002</td>
<td>05/28/2002</td>
<td>09/03/2002</td>
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<td>Summary period duration</td>
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<td>91</td>
<td>98</td>
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<tr>
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<td>13</td>
<td>13</td>
<td>14</td>
<td>12</td>
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<tr>
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<td>29.5</td>
<td>60.3</td>
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<tr>
<td>Valid samples with full chemistry**:</td>
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<td>4</td>
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<td>Valid field pH measurements</td>
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<td>10</td>
<td>4</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>
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</thead>
<tbody>
<tr>
<td>1. Summary period with valid samples (%)</td>
<td>71</td>
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<tr>
<td>2. Summary period with precip coverage (%)</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
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<td>3. Measured precipitation with valid samples (%)</td>
<td>55</td>
<td>91</td>
<td>44</td>
<td>61</td>
<td>36</td>
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<tr>
<td>4. Collector efficiency (%)</td>
<td>94</td>
<td>99</td>
<td>100</td>
<td>100</td>
<td>75</td>
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<tr>
<td>Precip with full chemistry and valid field pH (%)</td>
<td>45</td>
<td>91</td>
<td>44</td>
<td>43</td>
<td>27</td>
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</tbody>
</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
#### 2002 Annual & Seasonal Data Summary for Site LA12

**Part 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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</thead>
<tbody>
<tr>
<td>Annual*</td>
<td>0.12</td>
<td>0.045</td>
<td>0.027</td>
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<td>Winter</td>
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<td>0.025</td>
<td>0.502</td>
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<td>0.91</td>
<td>1.05</td>
<td>1.39E-02</td>
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<tr>
<td>Spring*</td>
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<td>0.236</td>
<td>0.09</td>
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<tr>
<td>Summer*</td>
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<td>0.021</td>
<td>0.016</td>
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<td>0.12</td>
<td>1.05</td>
<td>0.29</td>
<td>0.97</td>
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<tr>
<td>Fall*</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>2.11</td>
<td>0.764</td>
<td>0.459</td>
<td>5.587</td>
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<td>10.32</td>
<td>16.59</td>
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<td>3.99E-01</td>
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<tr>
<td>Winter</td>
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<td>0.122</td>
<td>0.052</td>
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<td>0.29</td>
<td>1.18</td>
<td>1.89</td>
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<td>0.050</td>
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<td>1.23</td>
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<td>3.22E-02</td>
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<tr>
<td>Summer*</td>
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<td>0.127</td>
<td>0.096</td>
<td>0.838</td>
<td>0.72</td>
<td>6.32</td>
<td>1.74</td>
<td>5.82</td>
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<td>4.96E-02</td>
<td>5.51E-02</td>
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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(fld)</th>
<th>pH(lab)</th>
<th>pH(fld)</th>
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<tbody>
<tr>
<td>Minimum value</td>
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<td>0.004</td>
<td>0.004</td>
<td>0.023</td>
<td>0.02</td>
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<td>0.34</td>
<td>3.09E-03</td>
<td>2.51E-03</td>
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<tr>
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<td>0.03</td>
<td>0.012</td>
<td>0.006</td>
<td>0.074</td>
<td>0.04</td>
<td>0.32</td>
<td>0.16</td>
<td>0.40</td>
<td>7.39E-03</td>
<td>9.12E-03</td>
<td>4.28</td>
<td>4.27</td>
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<td>0.015</td>
<td>0.012</td>
<td>0.101</td>
<td>0.07</td>
<td>0.49</td>
<td>0.21</td>
<td>0.78</td>
<td>1.02E-02</td>
<td>1.42E-02</td>
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<tr>
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<td>0.51</td>
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#### Other Parameters

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<tr>
<th>Measured Precipitation***</th>
<th>Conduc- tivity uS/cm</th>
<th>SO4</th>
<th>SO4+NO3</th>
<th>Cation</th>
<th>Anion</th>
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#### Annual and Seasonal Equivalence Ratios

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<th>Cation</th>
<th>Anion</th>
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<td>Annual*</td>
<td>1.69</td>
<td>1.89</td>
<td>0.97</td>
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<tr>
<td>Winter</td>
<td>2.38</td>
<td>2.24</td>
<td>0.95</td>
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<tr>
<td>Spring*</td>
<td>1.89</td>
<td>2.02</td>
<td>0.97</td>
<td></td>
</tr>
<tr>
<td>Summer*</td>
<td>1.19</td>
<td>1.57</td>
<td>0.94</td>
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<tr>
<td>Fall*</td>
<td>2.78</td>
<td>3.00</td>
<td>1.06</td>
<td></td>
</tr>
</tbody>
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*Please see page 1 for footnotes.*