



Raingage Winterization, NOAH-IV

Items needed:

- field form for the current week's sample
- transfer pump or siphon
- ethylene glycol or propylene glycol anti-freeze (low toxicity is recommended), 2 quarts
- container to collect anti-freeze/water mixture for disposal, if needed


Instructions:

Complete these steps when the average low ambient temperature is below 40°F (4°C) on a consistent basis. The date that this occurs will be different site to site, and year to year.

1. Empty the collection chamber using a transfer pump or siphon. If one is not available at your site, please contact the NED (1-800-952-7353, or ntn@slh.wisc.edu).
2. Pour anti-freeze into the collection chamber. This should be done away from the optical sensors. See figure below.



3. In **Block 10 Remarks** of the field form for the current week, record the date and time that anti-freeze is emptied or added, and when the anti-freeze/water mixture is stirred.

<p>10. REMARKS For example: equipment malfunction, contamination, farming, burning, logging, leakage before weighing, etc.</p> <p><i>Raingage winterized at 8:30 am on 10/09/2012</i></p> 
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Reminders:

1. Stir anti-freeze weekly to prevent stratification of the anti-freeze/water mixture.
2. Remember to indicate the type of precipitation (i.e., snow, rain, mixed, unknown) for each precipitation event in **Block 7 Precipitation Record** of the field form each week.
3. Replace anti-freeze when ice crystals in the mixture do not disappear when stirred, or when the collection chamber becomes approximately $\frac{3}{4}$ full. Dispose of the anti-freeze/water mixture according to local guidelines for proper disposal.