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SMET Monthly Operating Procedure

I. Purpose:

This document describes the weekly inspection of the R.M. Young wind monitor, T/RH Probe, and desiccant chamber on the SMET datalogger.

II. Cautions and Hazards:

- Use caution and safety procedures when using ladders to access MET mast.

III. Requirements:

- T/RH Membrane filter #2787.
- Desiccant.

IV. Procedure:

A. RM Young Wind Monitor:

1. Check propeller once a week to ensure that it is not broken and is spinning.
2. Ensure that the wind vane is responding to changes in wind direction.

B. T/RH Probe:

1. Monthly remove the T/RH probe from the aspirated shield.
2. Replace the membrane filter with a new one.

Note: The T/RH probe does not need recalibration after changing the membrane filter. The vendor part number for the filter is **2787**.

C. Desiccant Chamber on SMET Datalogger:

1. Check the desiccant chamber located on SMET datalogger.
2. If the desiccant is more than 75% clear or shows any signs of pink, replace the desiccant.
3. Record the date and any comments into the site data log each week.

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V. References:

1. "Element Operations and Maintenance Procedure Development Outline," by D. Hart (Second revision 10/20/94, document number D-WND-001.2).

VI. Attachments:

None.