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WSI Monthly Operating Procedure

I. Purpose:

This document describes the required monthly procedures performed on the WSI. Specifically, this document describes operating procedures for the sensor housing (White Box).

II. Cautions and Hazards:

- Do not bump the WSI unit.

Note: If the unit was bumped in any way, report it in the RESET Trip Report, and send a notice to the mentor to verify that the instrument rotation was not affected.

III. Requirements:

- Mixture of 70% Prestone "Silver" 5150 anti-freeze and 30% distilled water.

IV. Procedure:

A. Checking Fluid:

1. Check the solution level in the coolant system. Check measurement lines on the coolant reservoir. If the antifreeze water mixture is low, add more mixture. Use Mixture of 70% Prestone "Silver" 5150 anti-freeze (the orange-colored non-silicate formula of ethylene glycol) and 30% distilled water (mixing ratio is approximate). Note that the fill tube is on top of housing.
2. Verify that the coolant is flowing.
3. Verify that the fluid flow switch is spinning.
4. Verify that the cooler is still working normally. Verify that there are no unusual sounds or indications.

B. Replacing Air Conditioner

1. Wash air conditioner filter or replace with new filter if filter has large amounts of corrosion.
 - On the north side of the environmental housing (white box), remove the white 28" x 32" side plate by unscrewing the four eyebolt fasteners, being careful not to damage or strain the cables which go under the side plate.

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- Flip up the 2 aluminum tabs at the top of the filter housing and remove filter.
 - Wash the filter with soap and water and shake it out.
 - Reattach the filter, and put the side plate back.
2. Be sure to close all internal and external doors on the sensor housing (White Box).

V. References:

1. "Field Unit 9 Alpha Test, Daily, Weekly, and Monthly Check List, and Input File," MPL Memo AV99-037t.

VI. Attachments:

None.