

wvally4 site visit

19 Jan: Oncley&Militzer

Purpose: restart radiometer mote; take soil core

Conditions: broken alto-cu; snow completely gone around site

1137: Rad mote not working; removed for diagnosis;

water came in through the XBee antenna, dribbled down the XBee and got into the real-time-clock capacitors on the back of the board, taking out the clock. Data would have been lost. Copied data file to Oncley's Mac. Also found broken solder connection on GPS backup battery holder. Mote starts okay when pressing on this holder!

1140: Soil core taken into containers 1

1153: blotted water off radiometers (though no data being taken yet)

reprogrammed spare mote to be used at this site

1234: Installed new mote; all data working and okay

added nail polish around mote antennae to avoid a recurrence of this problem.