

Daily status, July 4

AHATS daily status 7/04/08

Staff: Maclean, Horst, Khoung, Brown, McIntyre

Summary: Gordon found that the noisy pressure signals are caused by RF crosstalk between unshielded wire segments. He and Khoung are wrapping the signal wires with ground wires.

Some data outages yesterday afternoon (downwind-2) and this morning (upwind). For more details, see the ahats logbook at <https://wiki.ucar.edu/display/ahatslogbook>

I have begun preparing the horizontal ASTER tower array for the upcoming configurations by mounting yokes and vertical braces.

Good wind direction: For the period 7/1 13:00 through 7/4 13:00, we have 45.17 hours of data periods of length 20 minutes or longer with wind directions from 195-355 degrees. This includes 11 periods of length greater than one hour and equates to good periods 63% of the time. Sorted by stability, there are 23.75 hours of stable stratification ($\langle w'w' \rangle < 0$) and 21.33 hours of unstable stratification.

Since June 26, we have had good wind directions 46% of the time; stable data 26% of the time and unstable data 19% of the time.