

Daily status, June 29

AHATS daily status 6/29/08

Staff: Maclean, Horst, Tong, Khoung

Summary: Chenning and Khoung working on completion of pressure sensor deployment. They may not finish until Tuesday since they are waiting for delivery of tubing connectors. Currently no data from downwind-2 and upwind adams; radio down but should have local data storage.

Good wind direction: For the period 6/25 17:00 through 6/29 08:42, we have 30 hours 10 minutes of data periods of length 20 minutes or longer with wind directions from 195-355 degrees. This includes 10 periods of length greater than one hour and equates to good periods 34% ⚠ of the time. Note that the daytime periods may be compromised by work on the array, e.g. installing the pressure sensors.

Profiles:

spd: ok
dir: ok
u*: ok
w'tc': ok
T: ok
RH: 4m may be low by less than 1% RH
P: okay

Upwind (hts=3.5):

(+/- = ~1 std deviation)

missing sonics from upwind adam after 05:43 6/29

spd: ok, +/- 15 cm/s
dir: ok, +/- 5 deg
tc: ok, +/- 0.25 deg
w'w': ok, +/- 0.015 m²/s² (30 min avg for second moments)
tc'tc': ok, +/- 0.1 degC²
u*: ok, +/- 0.03 m/s
w'tc': ok, +/- 0.02 m/s degC
diag: ok, mostly << 1 but some spikes that are likely caused by samples lost during rf transmission; local data storage should be okay.

Lower (hts=3):

missing sonics from downwind-2 adam after 05:43 6/29: 7b--13b

spd: ok, +/- 20 cm/s
dir: ok, +/- 5 deg
tc: ok, +/- 0.25 deg
w'w': ok, +/- 0.015 m²/s² (30 min avg for second moments)
tc'tc': ok, +/- 0.1 degC²
u*: ok, +/- 0.04 m/s
w'tc': ok, +/- 0.02 m/s degC
diag: ok, mostly << 1 but some spikes that are likely caused by samples lost during rf transmission; local data storage should be okay.

Upper (hts=4):

missing sonics from downwind-2 adam after 05:43 6/29: 7t--11t

spd: ok, +/- 20 cm/s
dir: ok, +/- 5 deg
tc: ok, +/- 0.2 deg
w'w': ok, +/- 0.015 m²/s² (30 min avg for second moments)
tc'tc': ok, +/- 0.1 degC²
u*: ok, +/- 0.04 m/s
w'tc': ok, +/- 0.02 m/s degC
diag: ok, mostly << 1 but some spikes that are likely caused by samples lost during rf transmission; local data storage should be okay.