

TAVE AERIBago Daily Procedures

SOUNDING LAUNCH PROCEDURES

- 1) Arrive for first launch by 7:30 AM
 - a. Go to the yak computer and open a terminal
 - i. Type “ping bora0.ssec.wisc.edu”....if you get message “64 bytes from bora0, hit control-C and you are OK”
 1. If no response from bora0, follow highlighted commands on wall in front of yak machine
 - b. Follow the “Post-Sounding Processing Instructions” to archive the 0100 UTC sounding that you released the previous day
 - c. After complete, shut down the helium computer and Vaisala sounding processor (the power button has a green light next to it)
 - d. Restart the sounding processor and wait until you see a green light next to the word “TEST” on the rear, upper-right side of the box (about 3 mins time)
 - i. When green, restart helium and log in as administrator and run the DigiCORA III program on the desktop.
- 2) 40-45 mins before launch time, put sonde in the Vaisala conditioning box opposite the office desk. Follow “RS92-SGP Radiosonde Launch Procedure for TAVE”
 - a. After Ground Check is selected, execute software instructions in DigiCORA III
- 3) 30 mins before launch time, put battery in plastic container and fill small container within with water to fully wet and activate the battery. Let soak for 4-5 mins. Follow remainder of RS92-SGP Launch Procedure before launch.

After balloon stops transmitting, pops, or you need to launch another balloon, follow the “Post Sounding Processing Instructions”

Follow the “Sounding Data Export and Transfer Instructions” to push sounding data over to the bora0.ssec.wisc.edu machine.

Write sounding launch log in the launch notebook.

AT THE END OF A DAY

- 1) Run highlighted commands in front of yak to re-initialize wireless card.
- 2) Take garbage out, turn off lights, lock door.

OTHER RESPONSIBILITIES

- 1) Once a day, connect the snickers computer to the GPS machine via the yellow serial cable. Make sure that the green “key” is inserted in the back of snickers. Read “GPS Download Instructions”.
- 2) Every other day, follow “TAVE data XCDROAST Instructions” to archive TAVE data to CD.
- 3) Once a day, write a TAVE daily summary similar to the template received as email. Email to the list of people from the previous day’s summary.