

Post Sounding Processing Instructions

The sounding may or may not terminate automatically.

1a) If the sounding does terminate automatically (mainly because the balloon pops or it is too high to transmit data)

- Click next

1b) If sounding does not terminate

- Click the CMD-F2 button in the upper left
- Select Manual Stop

2) Messages “EDT Complete, receiving raw data”, “EDT calculation finished”

- Click next
- You will hear multiple beeps...that’s OK

3) Leave Climat checked, click next

4) Make sure Archive is checked, click next

5) Message “Sounding ready to be closed”

- Click next

6) Select “Archive Manager” on the left side of the window, and follow the “Sounding Data Export and Transfer Instructions”

Sounding Data Export and Transfer Instructions

These instructions assume that the sounding was performed as Administrator and that you are currently logged in as Administrator. Locations of pscp and data may be different if this is not the case.

- 1) After “Archive Manager” is opened, right click on desired sounding
- 2) Choose “Export” and then “Convert”
- 3) Select EDT and ASCII, add the date and time to the filename in the format of YYYYMMDD_HHMMSS_EDT
- 4) Do the same for the FRAWPTU and GPSDCC_RESULT
 - a. After you are done, click cancel on the archive manager window
- 5) Open a command window by going to the Windows “Start” menu in the lower left by clicking Run and typing “cmd”
- 6) Type “cd My Documents”. You should be in “C:\Documents and Settings\Administrator\My Documents”
- 7) Run the following command to transfer data to yak:
C:\Putty\pscp YYYYMMDD_HHMMSS* (space and keep typing) aeri@10.0.0.1:/home/aeri/data/memphis/sondes/.
- 8) Go to the yak computer. Follow the following procedures:
 - a. Open a Terminal window by clicking the “Applications” menu in the upper-left of the screen, go to “System Tools”, and then click “Terminal”
 - b. Type “cd /home/aeri/data/memphis/sondes”
 - c. Type “cp YYYYMMDD_HHMMSS_EDT.tsv (space) MEM_YYYY_(insert 3 letter abbrev for the month (i.e. Feb))DD_HHMMSS.asc

d. Type “rwvsonde” to convert recently copied file to netcdf

Inputs:

Ascii input=MEM_YYYY_(Month
Abbrev)DD_HHMMSS.asc

Date of launch

Time of launch

Netcdf filename=MEM_YYYY_(Month
Abbrev)DD_HHMMSS.nc

9) Convert to fsl format by typing the following:

9a) idl

9b) at idl prompt, type “.rnew cdftofsl”

9c) A menu appears, select the netcdf file that you just created

9d) exit

Notes: If idl does not work as described above, exit out of the idl program and type “startidl”

Data will be uploaded (rsynced) to bora0 automatically via crontabbed script at 00 and 30 mins after the hour

10) Close the terminal window