Wave sensor procedure on the windows science pc

Log on to the raspberry pi

1. Connect to the Statsraad Lehmkuhl network. Make sure the computer is connected to the blue internet cable in the decks office.
2. Open the app puTTY
3. Type Host name (or IP address): 10.42.1.55 and press Open (See Figure 1)

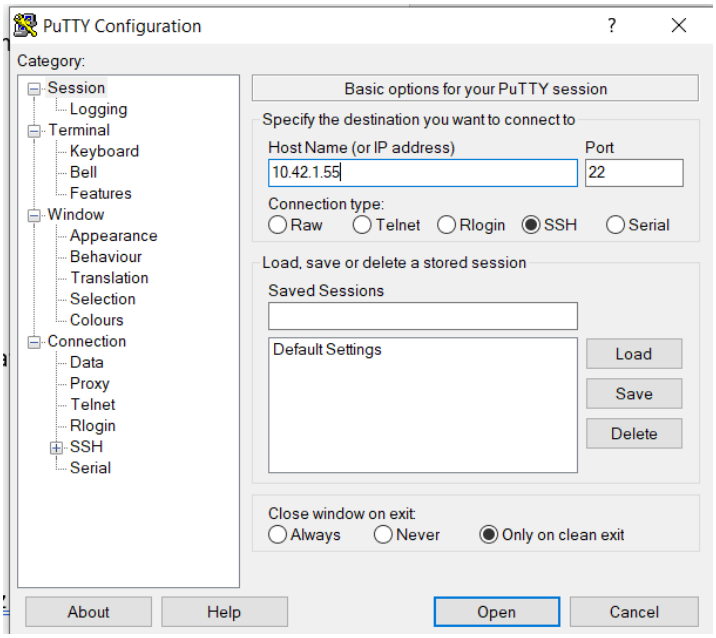

Figure 1: Step number 3 in PuTTY

4. When asked `login as:` type `pi`
5. When asked `password:` type `raspberry_ug_sl`

Check the date and that the system is logging (see Figure 2)

6. Type “date” and note the output time, timezone, local time and UTC time in the document “Wavesensor_dates”.

7. Go to the right folder by typing.

```
cd (no new line here)
Git/ultrasound_radar_bow_wave_sensor_Statsraad_Lehmkuhl_2021_2022/data/script_logs
```

8. Check that there is a file within the last hour or so by typing

```
tail -40 log_processing_script.txt
```

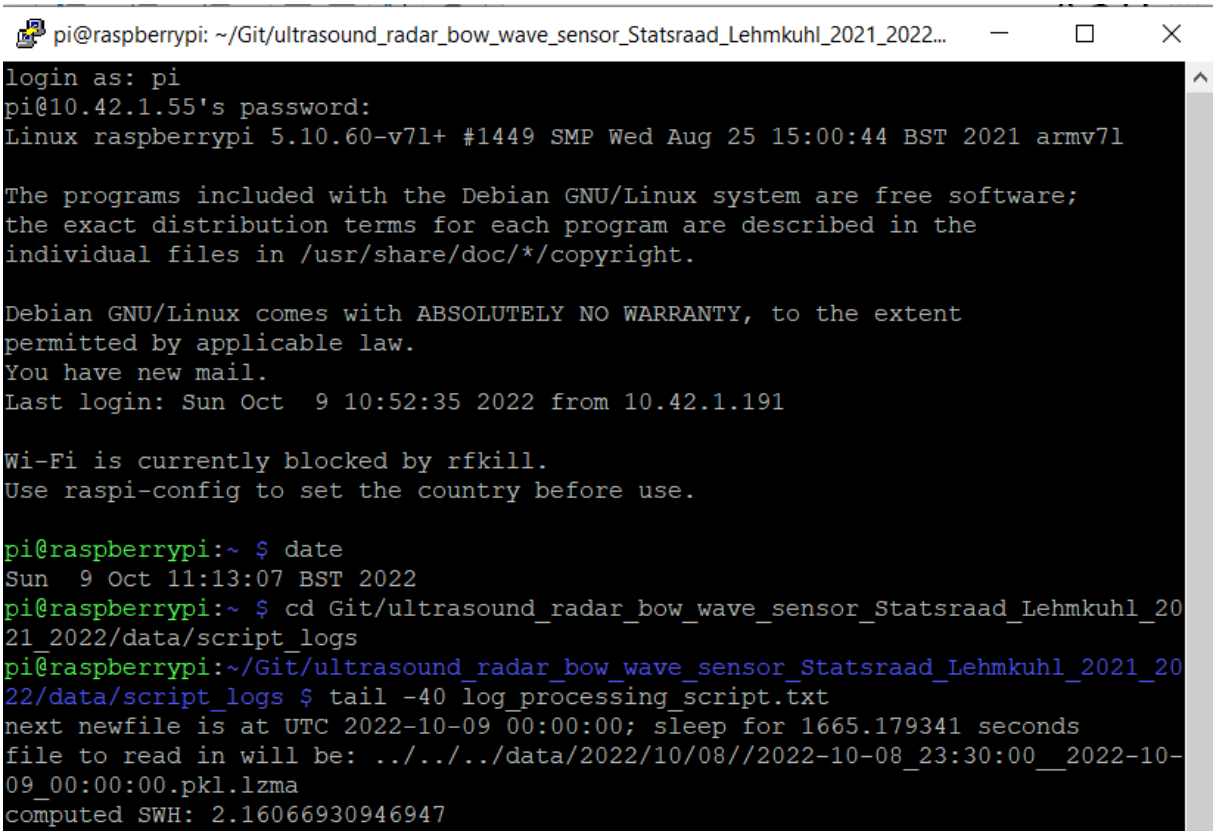

Figure 2: Steps number 6-8

If there is no activity on the wavesensor within the last hours

9. Start the program manually by typing

```
bash (no new line here)
/home/pi/Git/ultrasound_radar_bow_wave_sensor_Statsraad_Lehmkuhl_2021_2022/code/launch_scripts/script_launch_all.sh >> (no new line here)
/home/pi/Git/ultrasound_radar_bow_wave_sensor_Statsraad_Lehmkuhl_2021_2022/data/script_logs/log_script_launch_all.txt
```

Save the files at the end of the month (see Figure 3)

10. Go to the right directory with typing

```
cd zipfiles
```

11. Zip the files from the correct month. This example is for September 2022, so I use the month number 09 and year number 2022. October would be 10 and 2022 and so on. The numbers marked in red is the only thing you should change. Note that there is no line break in the command between gz and /home! This command will take some time.

```
tar -cvjf 09.tar.gz
```

```
/home/pi/Git/ultrasound_radar_bow_wave_sensor_Statsraad_Lehmkuhl_2021_2022/data/2022/09
```

12. Close putty by pressing the exit button

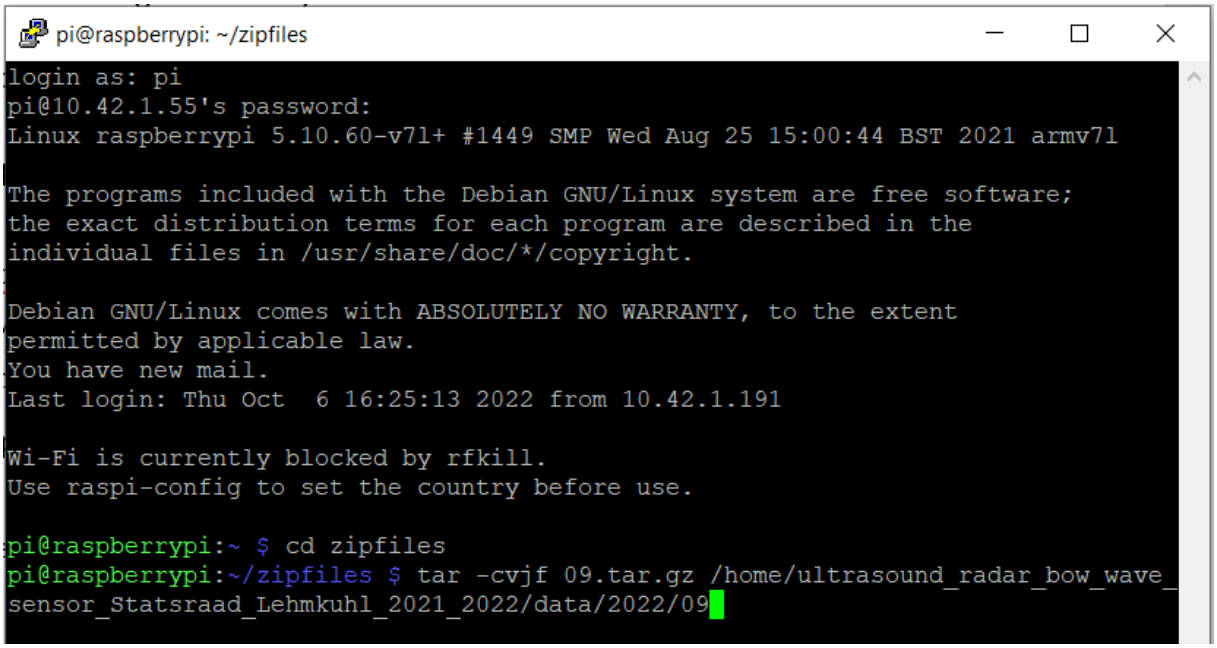

Figure 3: Steps number 10-12

Save the data to the science computer and litenleie (see Figure 4)

13. Open the app Command Prompt
14. Go to the right folder by typing

```
cd Desktop\wave_data
```

15. Copy the files from the raspberry pi to the computer. Remember the dot at the end and to use the right month number! When asked for `password:` type `raspberry_ug_sl`. This will also take some time.

```
pscp pi@10.42.1.55:/home/pi/zipfiles/09.tar.gz .
```

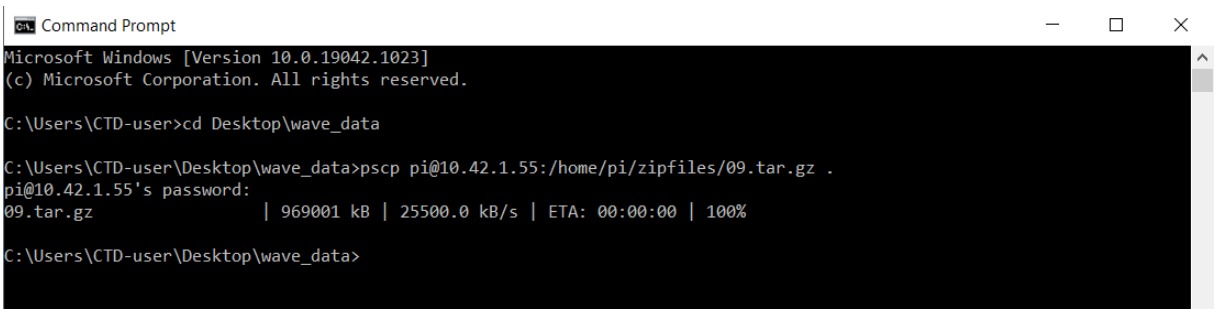

Figure 4: Steps number 13-15

16. Open the File Explorer and copy the file of the month from

C:\Users\CTD-user\Desktop\wave_data

17. Paste the file in

E:\RAWDATA\PHYSICS\WAVE