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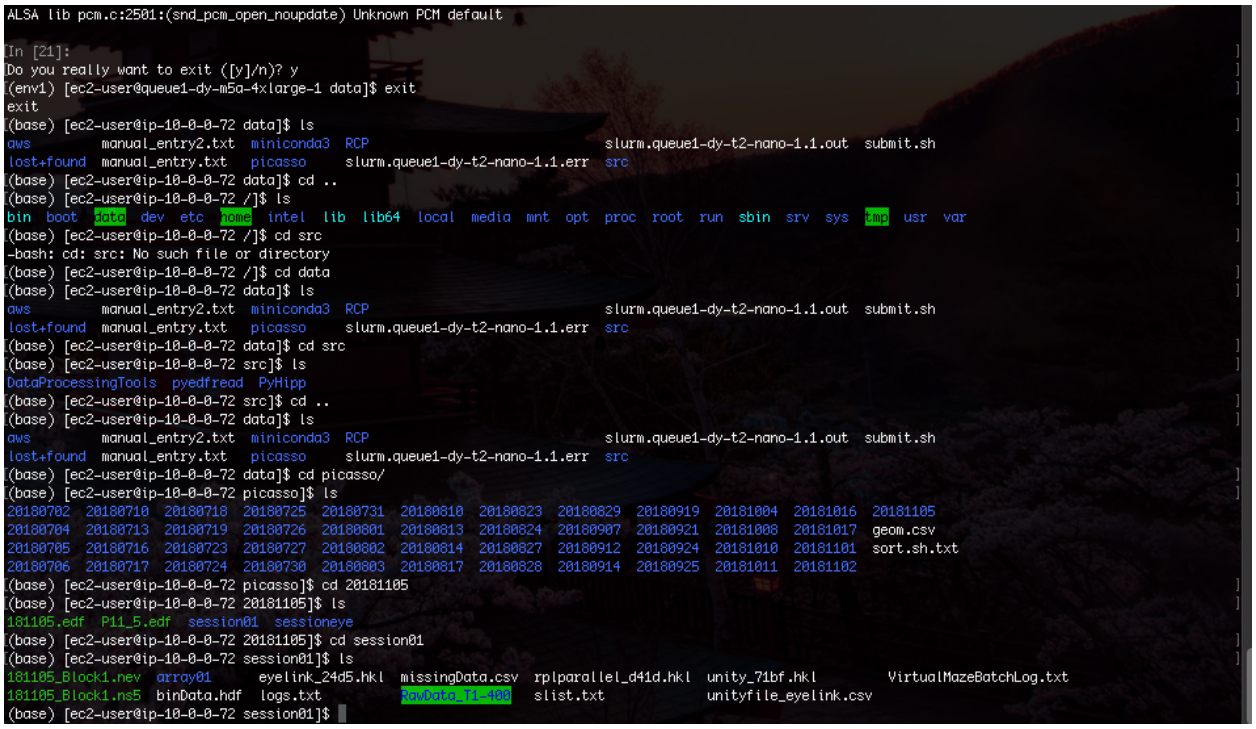
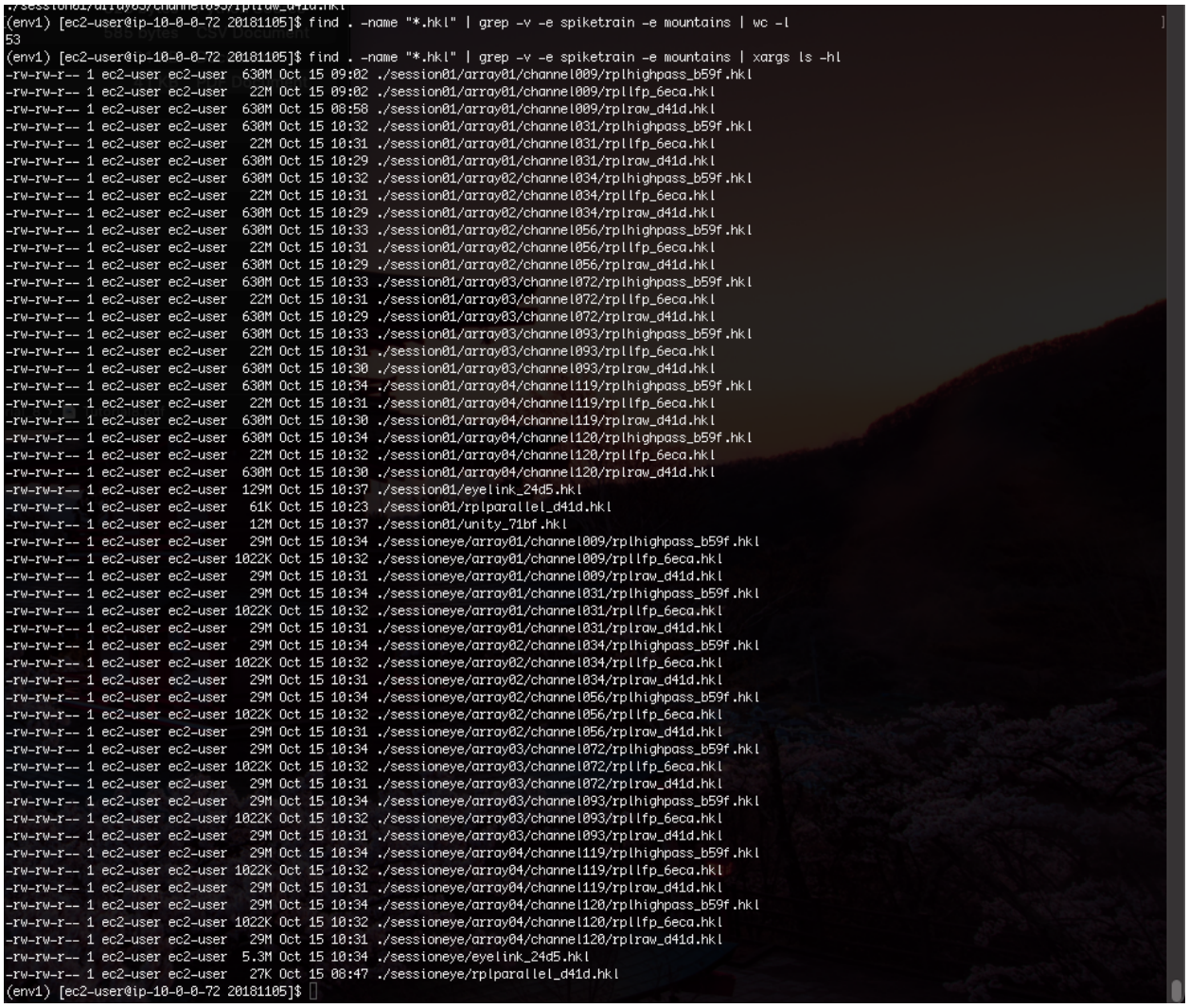
Lab 5 Part B

Step 57: Include a screenshot with the above output in your lab report.



Step 70.1: Include a screenshot of your Terminal window with the file sizes above in your lab report. Make sure you increase the size of your Terminal window so that the size of all 53 files can be captured in the screenshot.



Step 70.2: Include a screenshot of your terminal window with the output above in your lab report.

Step 71: Include the output of the command above in your lab report, and convert the time taken for the job to hours, minutes, and seconds so it is easy to understand. Extrapolate from the time taken for 8 channels to estimate how long it will take to process all 110 channels.

```
(env1) [ec2-user@ip-10-0-0-72 20181105]$ tail pipe-slurm*.out
4130
Object created
Object saved to file spiketrain_d41d.hkl
/data/picasso/20181105/session01/array04/channel120/cell02
spikecount
4012
Object created
Object saved to file spiketrain_d41d.hkl
time.struct_time(tm_year=2023, tm_mon=10, tm_mday=15, tm_hour=11, tm_min=20, tm_sec=55, tm_wday=6, tm_yday=288, tm_isdst=0)
3437.8452904224396
(env1) [ec2-user@ip-10-0-0-72 20181105]$
```

(8 channels) the job took roughly 0 hours, 57 minutes, and 37.85 seconds.

Time per channel = 3437.85 / 8 = 429.73 seconds/channel
Estimated time for 110 channels = 429.73 x 110 = 47270.3 seconds

(110 channels) it's estimated to take roughly 13 hours, 7 minutes, and 10.3 seconds, assuming the processing time scales linearly with the number of channels.

Step 75:: Include a screenshot of your budget page in your lab report.