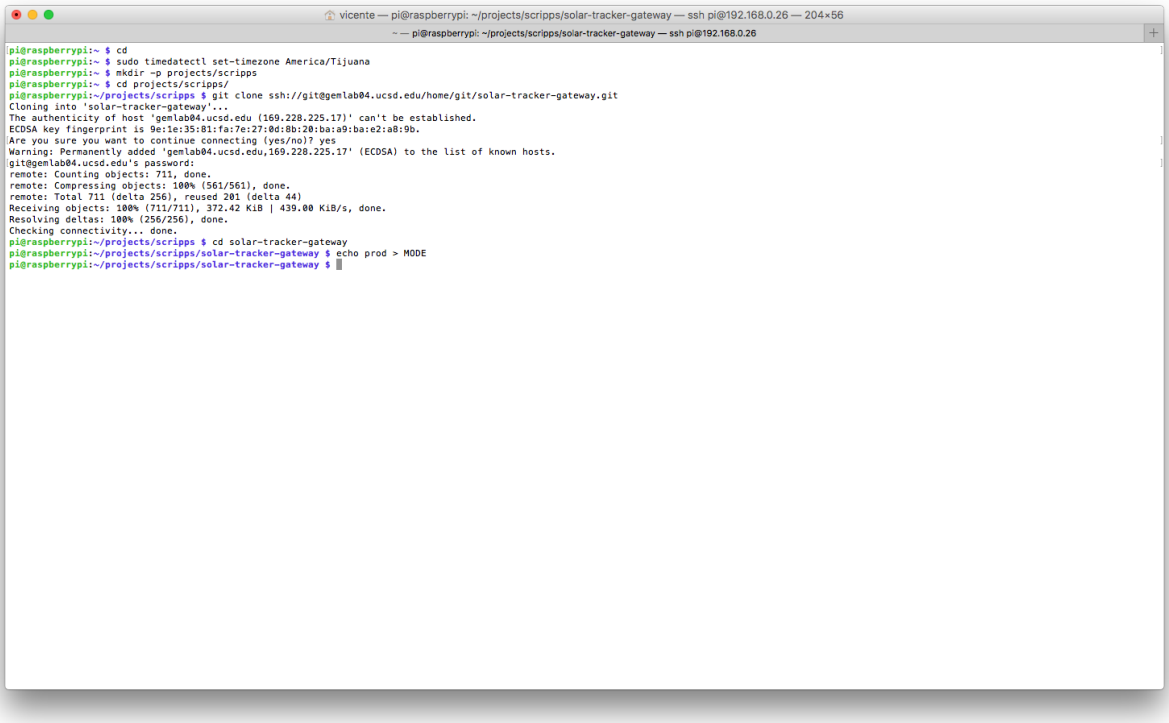
Gateway Setup

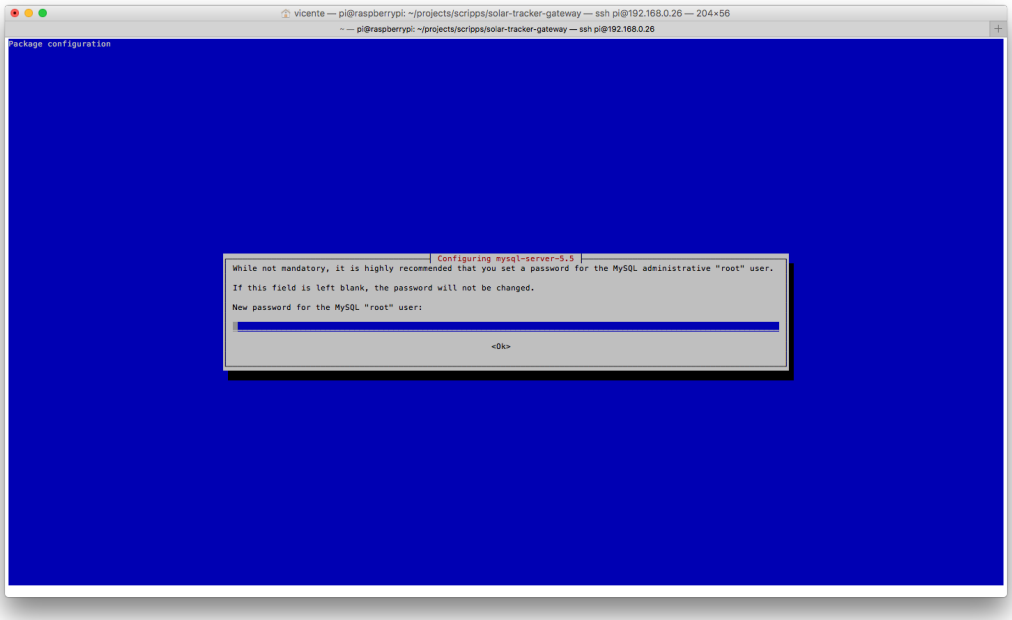
Open a terminal to enter next commands:

cd
sudo timedatectl set-timezone America/Tijuana
mkdir -p projects/scripps
cd projects/scripps/
git clone ssh://git@gemlab04.ucsd.edu/home/git/solar-tracker-gateway.git
cd solar-tracker-gateway
echo prod > MODE



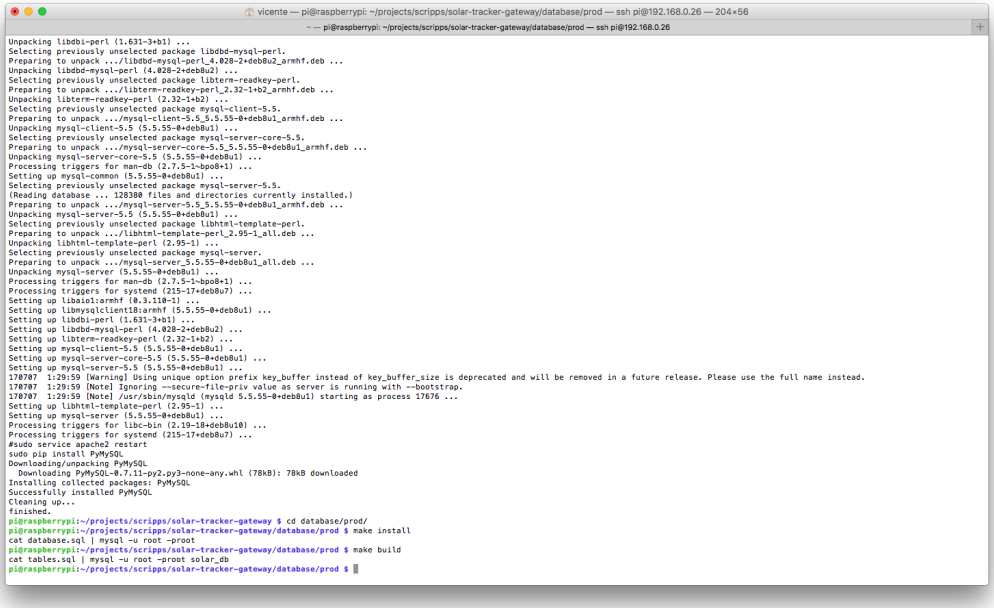
Enter next command but make sure that when mysql server password is asked, you enter “*root*”.

make install



Next commands are used to create a database:

cd database/prod/
make install
make build



Next, we need to add a service to listen to a Gateway device for incoming data, and another service to upload received data to a web server:

sudo crontab -e

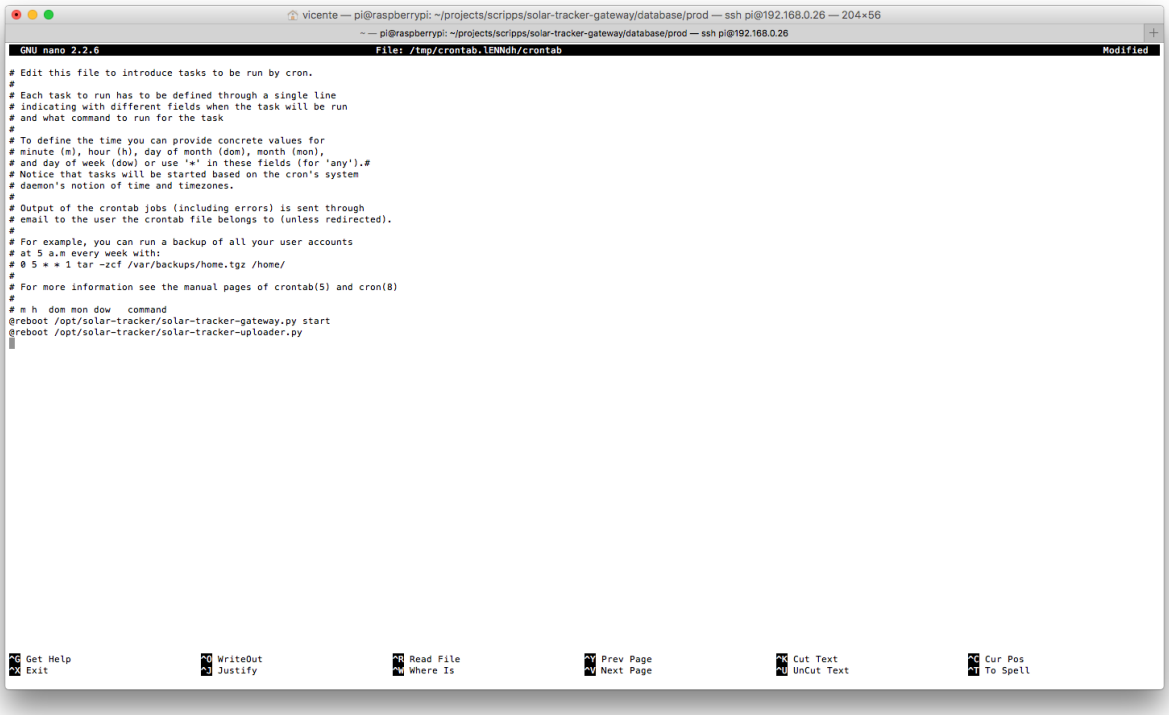
```
cat tables.sql | mysql -u root -proot solar_db
pi@raspberrypi:~/projects/scripps/solar-tracker-gateway/database/prod $ sudo crontab -e
no crontab for root - using an empty one

Select an editor.  To change later, run 'select-editor'.
  1. /bin/ed
  2. /bin/nano        <---- easiest
  3. /usr/bin/vim.tiny

Choose 1-3 [2]:
```

Press Enter to choose default (nano editor) or choose the one you prefer. In the editor that opens, add next two commands, after that, press Ctrl + O and Enter, then Ctrl + X:

@reboot /opt/solar-tracker/solar-tracker-gateway.py start
@reboot /opt/solar-tracker/solar-tracker-uploader.py



Now, after reboot (see next command) you can connect Gateway device.

sudo reboot