After fresh Rasbian install and copy files to Pi

```
cd /home/pi/gps_sensor_app
```

Run make install

Run cgps -s

No GPS

No webserver, waiting for GPS

**Edit GPSD** 

## cd etc/default/ nano gpsd

change serial port to USBO and save

now GPSD works

webserver works!

Restart or power off and on again

#### sudo reboot

after reboot

webserver does NOT work

check gpsd

```
dataplicity@raspberrypi:/$ su pi
Password:
pi@raspberrypi:/$ sudo su
root@raspberrypi:/# cgps -s
cgps: no gpsd running or network error: -6, can't connect to host/port pair
root@raspberrypi:/#
```

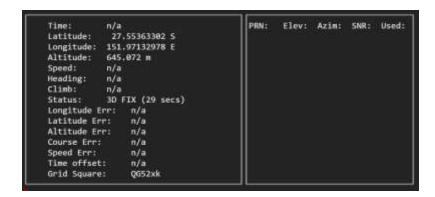
Gpsd not running, restart gpsd

sudo stty -F /dev/ttyUSB0 38400

sudo gpsd /dev/ttyUSB0 -F /var/run/gpsd.sock

cgps -s

now GPSD works



## Now webserver works!



After reboot, webserver still works as there is data in the db

BUT it is old data and not the current lat and long (GPS drifts very slightly when uncorrected)

#### Check GPSD

Not running

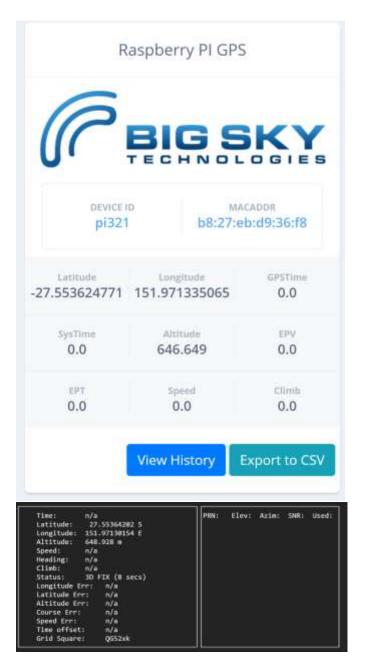
Restart GPSD

### sudo stty -F /dev/ttyUSB0 38400

sudo gpsd /dev/ttyUSB0 -F /var/run/gpsd.sock

cgps -s

Now we have live GPS but the webserver is still showing old lat and long



Note the different lat and long to the webserver. Webserver still showing previous lat and long (last record... which is what we want, but we may need a "time since last message")

Looks like we have to restart the sensor app

```
cd /home/pi/gps_sensor_app
sudo python gps_sensor_service.py
```

# now it is updating!

