5、Robot calibration

5.1、Imu Calibration

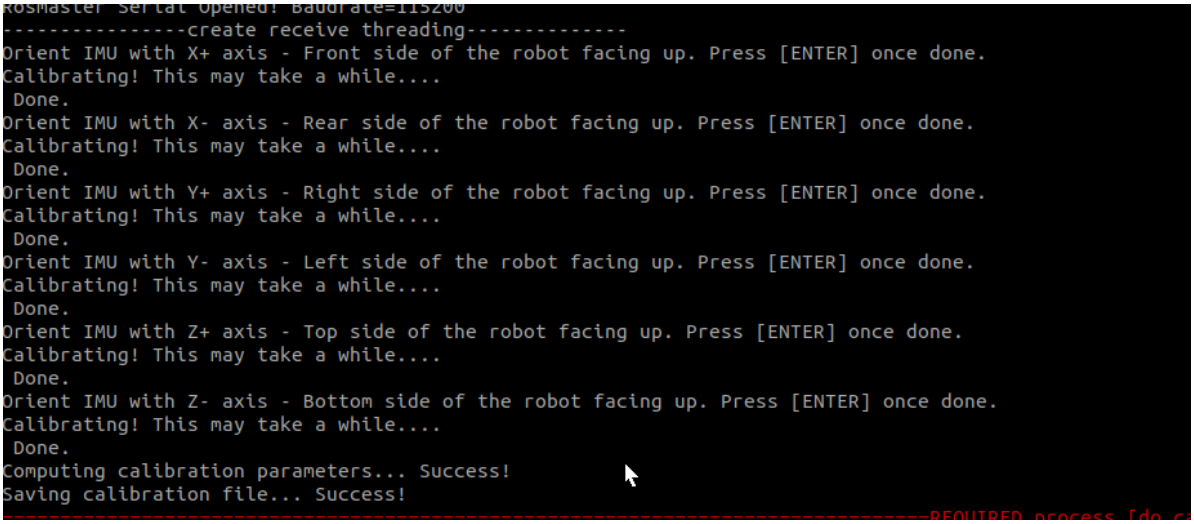
5.1.1、Calibration steps

Note: When calibrating, make sure the robot is still

1）、Run

```
cd ~/driver_ws/src/yahboom_bringup/launch
roslaunch calibrate_imu.launch
```

As shown in the figure below, press Enter to calibrate the data in the X+, X-, Y+, Y-, Z+, Z- directions in turn. After the calibration, it will be automatically saved to the specified folder.



After running, the program will exit with an error, which is normal.

Calibration data is stored in,

```
~/driver_ws/src/yahboomcar_bringup/param/imu_calib.yaml
```