Extract Log Data from Navio2 using a Flash Drive

1. Connect to the Avionics and login
   Default **Username: “pi”**
   Default **Password: “raspberry”**
   a. **WHEN TYPING IN THE PASSWORD, THE WORDS WILL NOT SHOW UP, THIS IS NORMAL. JUST HIT ENTER AFTER YOU TYPE IN THE PASSWORD**

2. See current addresses without flash drive plugged in:
   "ls -l /dev/disk/by-uuid/"

```
pi@navio:~ $ ls -l /dev/disk/by-uuid/
total 0
lrwxrwxrwx 1 root root 15 May  6 20:42 c01a67e8-c560-4be5-bb51-1514a5b342bb ->
./../mmcblk0p2
lrwxrwxrwx 1 root root 15 May  6 20:42 CC1C-A424 -> ../../mmcblk0p1
```

3. Now insert the flash drive and run the command again
   "ls -l /dev/disk/by-uuid/"

```
pi@navio:~ $ ls -l /dev/disk/by-uuid/
total 0
lrwxrwxrwx 1 root root 10 May  6 21:30 68B8-90E0 -> ../../sdc1
lrwxrwxrwx 1 root root 15 May  6 20:42 c01a67e8-c560-4be5-bb51-1514a5b342bb ->
./../mmcblk0p2
```

4. We can see that the new ID has an address “**../../sdc1**” in this case, “**sdc1**” is our address that we will want to take note of.

5. Now we will connect to the flash drive
   "sudo mount /dev/* /media/usb -o uid=pi,gid=pi"**
   a. In our case, the **“***”** will be **“sdc1”** the address of our flash drive.

6. Now we can manually copy all available logs to our flash drive
   “sudo cp -R /var/lib/ardupilot/logs /media/usb/Logs”
   a. **When you hit enter this might take a second depending on how many logs you have. give it some time**

7. After copying data, unmount the drive
   "sudo umount /media/usb"