How to run GY80-master \_tested\_ok\_200831, 2020 Aug 31

1. Download GY80-master \_tested\_ok\_200831 from stem\??? and unzip to a directory , say,

C:\Users\khwong\Documents\Arduino\GY80-master \_tested\_ok\_200831, you have two major directories

* 1. directory 1: \ C:\Users\khwong\Documents\Arduino\GY80-master \_tested\_ok\_200831\AHRS\_9DOF\_arduino\AHRS\_9DOF
     1. It contains AHRS\_9DOF.ino,
     2. edit AHRS\_9DOF.ino to check the correct Badu rate
        1. (line 51 #define OUTPUT\_BAUD\_RATE 57600 //115200)
     3. compile this .ino and upload to an Arduino–uno etc.
     4. check which comm port you are using say “Com12”
     5. You may open the Arduino/Tools/Serial\_monito to see the data sending out from the Arduino, close the Com\_window after the observation, otherwise processing cannot read this pot.
  2. directory 2: C:\Users\khwong\Documents\Arduino\GY80-master \_tested\_ok\_200831\AHRS\_9DOF\_processing\AHRS\_9DOF\_display
     1. That contains the “processing” code: AHRS\_9DOF\_display.pde

1. Install “processing”: Download processing (I tested the 32-bit version) from <https://processing.org/download/>
   1. Save in somewhere: say c:\processing-3.5.4\
   2. Go to the directory c:\processing-3.5.4\, double click “processing.exe” to start processing
   3. In the processing window, open the \*.pde (i.e. file AHRS\_9DOF\_display.pde) in directory 2(see above)
   4. In AHRS\_9DOF\_display.pdeC , ceck if the correct prot is used, in
      1. line 24 of AHRS\_9DOF\_display, should conatin
         1. final static int SERIAL\_PORT\_BAUD\_RATE = 57600; //115200; // choose the correct that matches the Arduino output baud rate, see above

