

Transferring gyro data from XML file to Excel

1. Open Excel and open the XML file
2. Copy data under /wait-for-notification/assert-value/@value
3. Create a new sheet and paste the data into the A column
4. Select the A column, go to Data and select Text to Columns
5. Select fixed width and create a break line after the 8th value (split in half)
6. Make sure to select Text format for both halves of the data
7. Click destination and click on the B column and press finish, data should be split evenly

8. To get millis value:

Select D1 and paste this formula:

= HEX2DEC(RIGHT(A1, 8))

9. Drag the corner down the whole length of the data to fill the remaining cells
10. Go into D1 and subtract the value in the cell in the formula
Example: = HEX2DEC(RIGHT(A1, 8)) - 199234 (whatever value is in E1)
11. Double click D1 corner to change the whole column, now you're done with millis values.

12. To get gyro values:

In E1 paste this formula:

=IF(HEX2DEC(C1) > HEX2DEC("7FFFFFFF"), HEX2DEC(C1) - HEX2DEC("FFFFFFFF") -1, HEX2DEC(C1)) /1000000

13. Double click E1 corner and gyro values should fill in
14. Select D and E columns and create a scatter plot
15. Delete outlier rows, resize plot if desired.