

How to log “NMEA” from iPhone

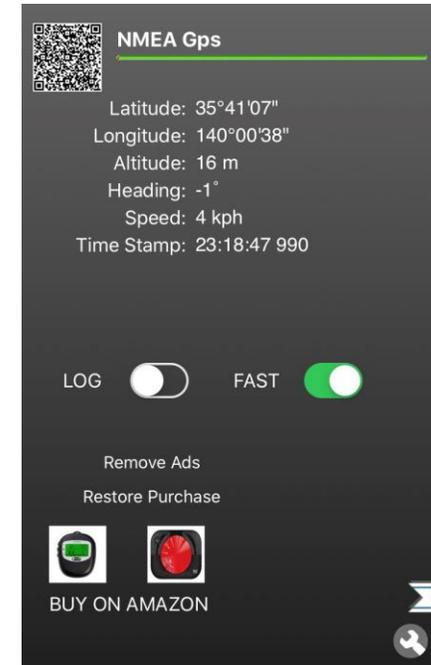
2020/05/28

Application

- ✓ GNSS receiver in iPhone provide Position , Velocity and Time using “NMEA”.
- ✓ “**NMEA GPS**” is application which check and **log** “NMEA” in iPhone .
- ✓ You can get “NMEA GPS” from App Store.



Icon



Screenshot

✘ There is another application check and log “NMEA” in Iphone (Ex. iNmea logger), but this ppt introduce only “NMEA GPS”

How to log “NMEA” from “NMEA GPS”

1. Install “NMEA GPS” from App Store.
2. Turn on Log button (Figure1 Red circle).
Then, start to log .
3. After the end, Turn off Log button (Figure1 Red circle).
4. Choose Application for saving and opening log.
In this case, choose “Notes”.
(Screen changing to Figure 2 automatically)
5. You can check “NMEA” on “Notes”

Ex. \$GPGSA,A,3,01,02,03,04,05,06,07,08,09,10,11,12,2.3,2.0,1.2*31
\$GPGSV,3,1,12,01,45,045,50,02,45,045,50,03,45,045,50,04,45,045,50*7c
\$GPGSV,3,2,12,05,45,045,50,06,45,045,50,07,45,045,50,08,45,045,50*77
\$GPGSV,3,3,12,09,45,045,50,10,45,045,50,11,45,045,50,12,45,045,50*71
\$GPRMC,070651.00,A,3539.9907,N,13947.5482,E,0.5,-1.0,270520,0.0,E,A*13
\$GPVTG,-1.0,T,0.0,M,0.5,N,0.9,K*6e

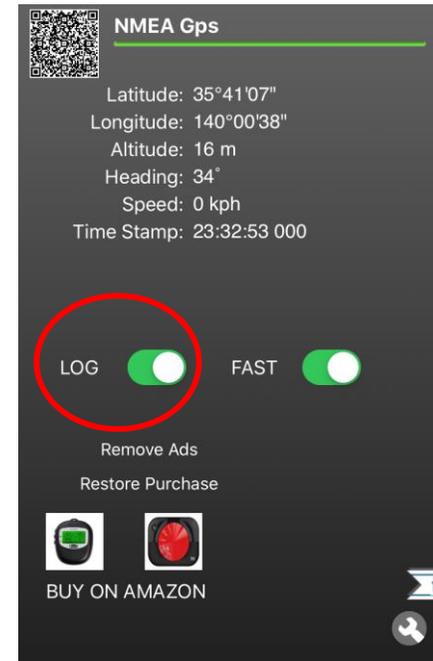


Figure 1

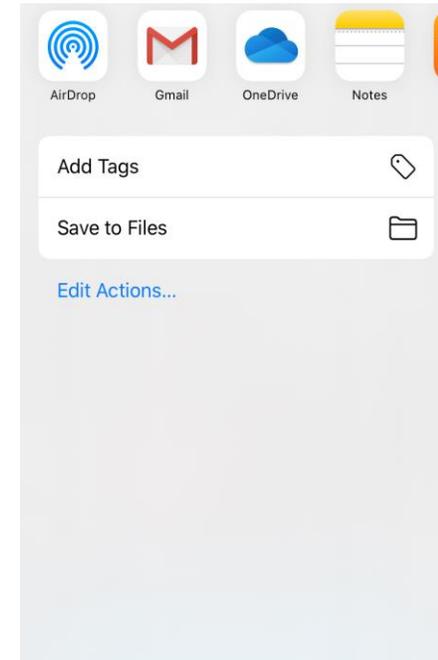


Figure 2



iPhone doesn't output Elevation , Azimuth and SNR.

GSV would be as follows.

```
$GPGSV,3,1,12,01,45,045,50,02,45,045,50,03,45,045,50,04,45,045,50*7c  
$GPGSV,3,2,12,05,45,045,50,06,45,045,50,07,45,045,50,08,45,045,50*77  
$GPGSV,3,3,12,09,45,045,50,10,45,045,50,11,45,045,50,12,45,045,50*71
```