Logging Smart-Phone GNSS Raw Data

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Objectives

- Provide information about Software, APPs and Tools to log GNSS raw data from smart-phones
- Learn data logging methods using GNSS Logger APK for Android
- Explore possibilities of using raw GNSS data for various applications

References

- Android GNSS Tutorial Resources
  - https://sites.google.com/view/gnsstutorial
- GNSS Logger App
  - To log GNSS raw data from Android device
- GPS Measurement Tools
  - Matlab code for processing GPS measurements
  - https://github.com/google/gps-measurement-tools
GnssLogger App: To Log GNSS Raw Data from Android Smart-Phone

GnssLogger App
Developed with Google

What’s new
Fixed bugs related to RINEX headers, gaps in measurements and more.

Data safety
Safety starts with understanding how developers collect and share your data. Data privacy and security practices may vary based on your use, region, and age. The developer provided this information and may update it over time.

History Average of Strongest Satellites: 40.2
Current Average Of Strongest Satellites: 39.8
E2: 40.4

E1: 37.9

E5a: 37.2

E5b: 37.2

E5c: 37.2

Development by

License Information

HELP
Exit

v3.0.2.1

HW Year: 2020

NMEA
Log Sensors

Log RINEX
Residual Plot
Auto Scroll

C/N0
PR Residual
PRR Residual

All
GPS SBAS
GLONASS QZSS
BeiDou Galileo

History Average of Strongest Satellites: 40.2
Current Average Of Strongest Satellites: 39.8
E2: 40.4
E1: 37.9
E5a: 37.2
E5b: 37.2
E5c: 37.2

Software

Developed with Google

You might also like
Adobe Scan: PDF Scanner, OCR
Adobe Acrobat Reader: Edit PDF
Adobe ADOBE
Kumost: Cycling & Hiking Maps
Kumost: Premier
Dmendo: Maps & GPS Offline
Dmendo
Fasting: Intermittent Fasting
Leap Fitness Group
Microsoft Authenticator
Microsoft Corporation

Developer contact

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Adobe Scan: PDF Scanner, OCR
Adobe Acrobat Reader: Edit PDF
Adobe ADOBE
Kumost: Cycling & Hiking Maps
Kumost: Premier
Dmendo: Maps & GPS Offline
Dmendo
Fasting: Intermittent Fasting
Leap Fitness Group
Microsoft Authenticator
Microsoft Corporation

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GnssLogger App: Signal Strength, Skyplot, Position Computation, Map Display
## GnssLogger App: Visible Satellite Status

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*Note: The table above lists the visible satellite status for different frequencies and C/N0 values.*
The GNSS Analysis app is built on MATLAB, but you don't need to have MATLAB to run it. The app is compiled into an executable that installs a copy of the MATLAB Runtime.