

GnssDataConverter Tutorial

Application Scenarios:

Convert GNSS format files to RINEX format.

Actual Use:

Pure static and PPK post-processing positioning data.

Instruction:

1. Use pure static or PPK post-processing to store GNSS format files. Select the static mode, and the data storage will automatically start storing static data (GNSS format). After the storage is complete, download the corresponding static file from the web interface - Storage - File Manager.

LU11802 [Advanced UI] English

Smart UI Mode Config

Working Mode

Mode: **Static Mode**

Station Name: LU11802

Cut-off Angle: 15 Degree

PDOP Threshold: 3.0

Interval: 1 s

Antenna Measurements: Phase

Antenna Height: 1.2180 Meter

Record: Enable

Apply

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Figure 1-Static Mode

LU11802 [Smart UI] English

General Storage Status

General

Capacity: 24,000,000 GB
Occupied: 12,278,785 GB
Free: 11,721,215 GB
Occupancy Rate: 51.16%
Writing Speed: 1.90 MB/s

File List

	Channel	Data	Name	Size
1	CH03	Message Static	LU11802-03-20221213-081447.gnss	127.77 MB

Figure 2-Storage Status

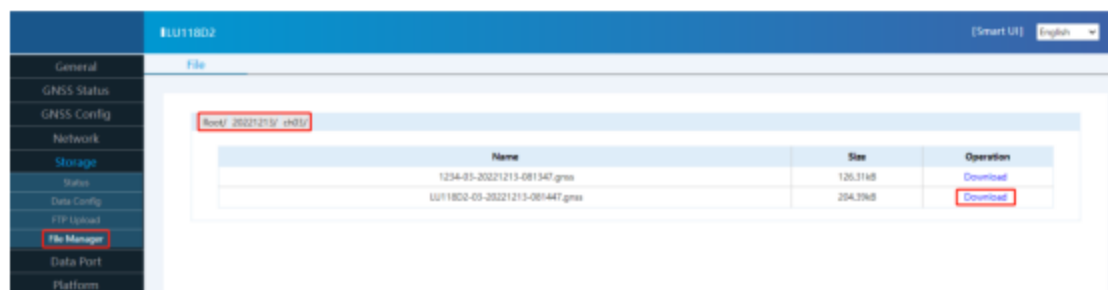


Figure 3-File

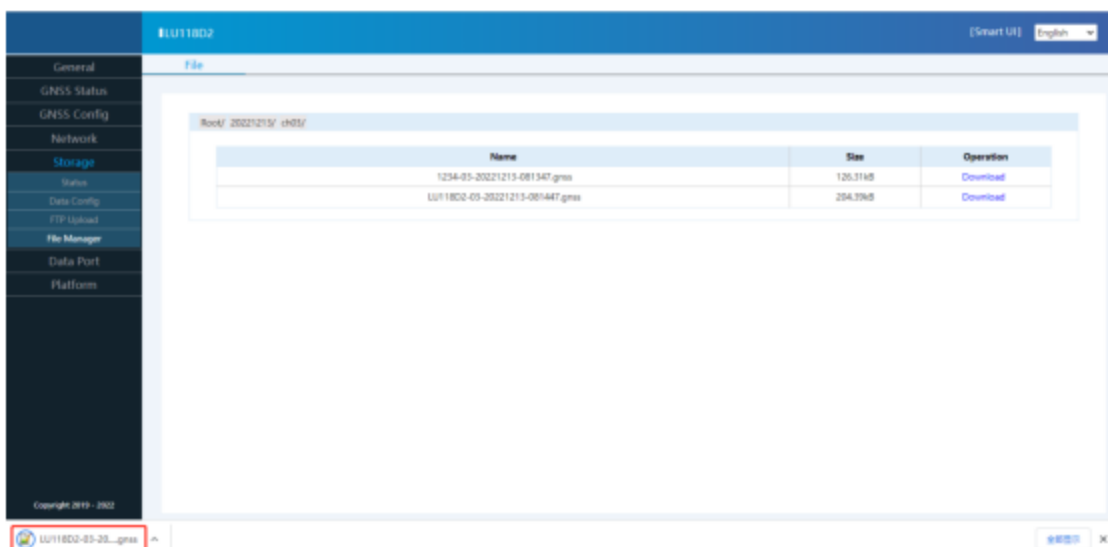


Figure 4-Download

2. Save the downloaded file to your computer and run "GnssDataConverter.exe".

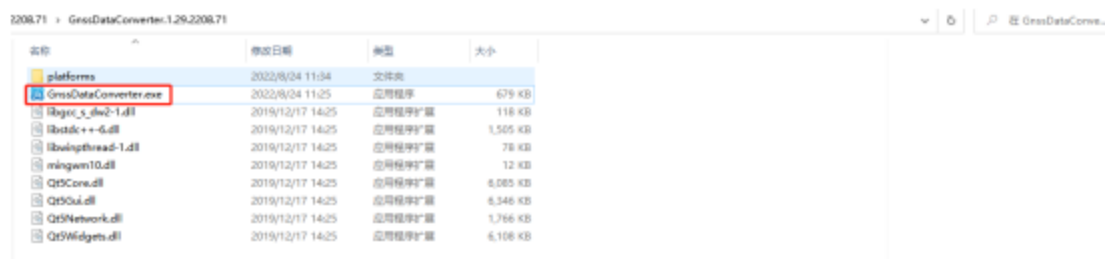


Figure 5-Tool

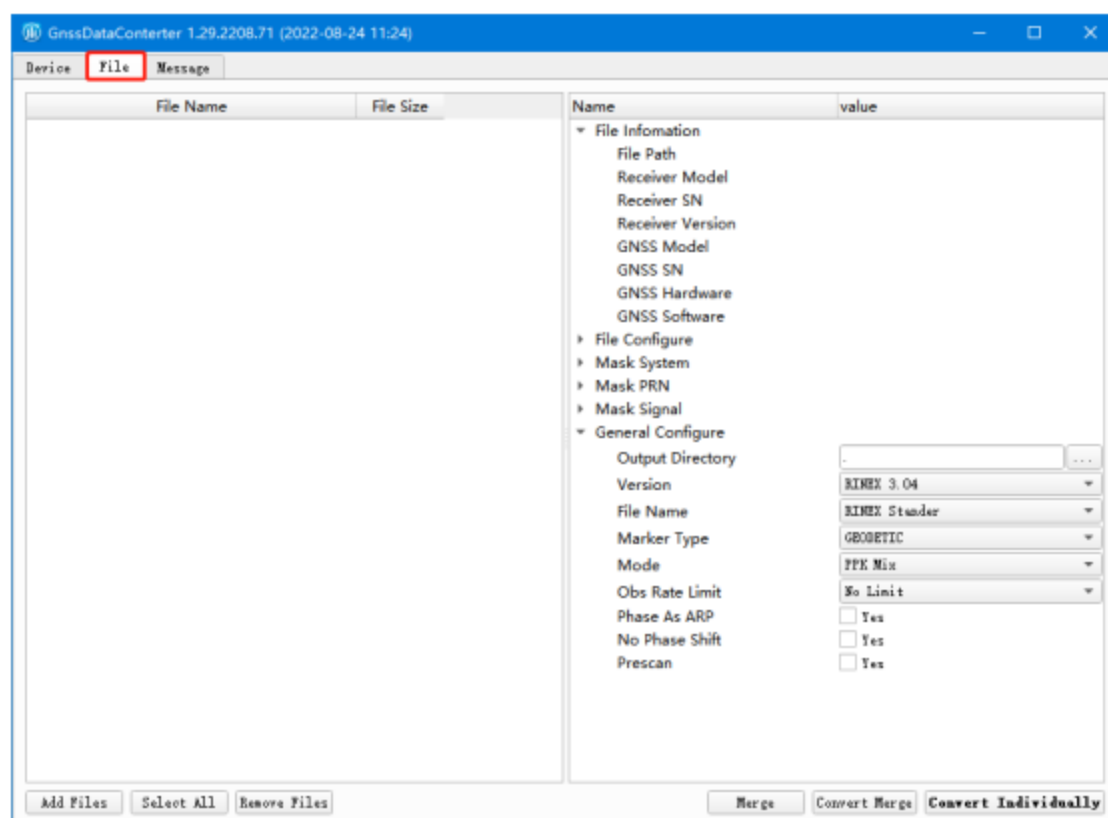


Figure 6-GNSS

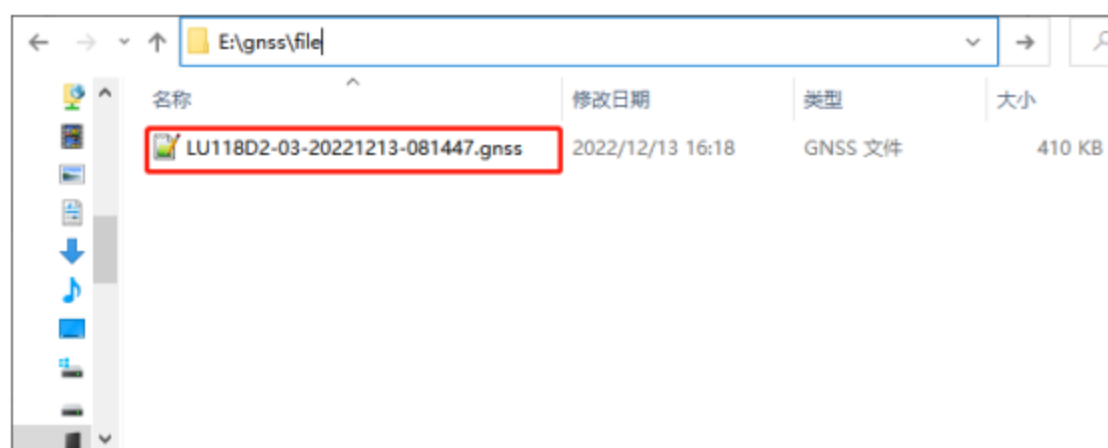


Figure 7-Add

3. After opening the file, you can choose batch conversion and select the conversion frequency (10HZ, 5HZ, 2HZ, 1HZ, 10S, 60S) and version (rinex3.02, rinex3.03, rinex3.04). However, note that the conversion frequency can only be reduced from high to low.

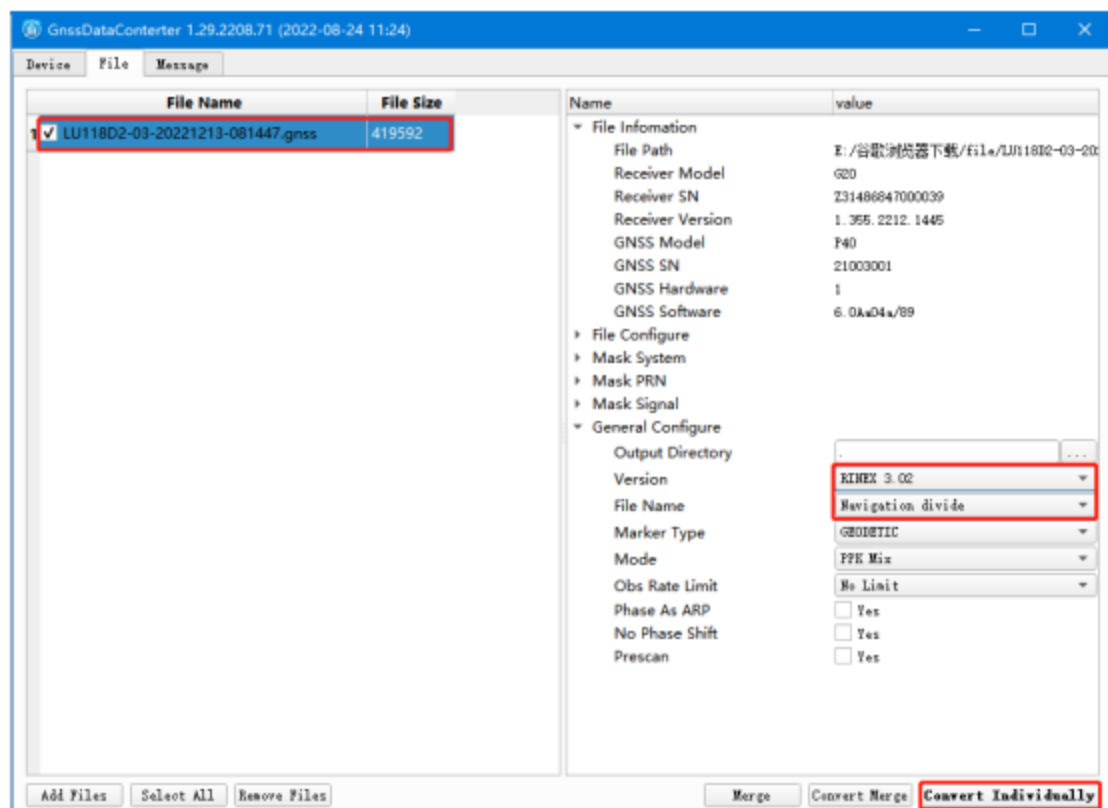


Figure 8-Select

4. The converted data will be in the original GNSS format directory. If you need to separate them, you can create separate folders and add files multiple times before performing a unified conversion.

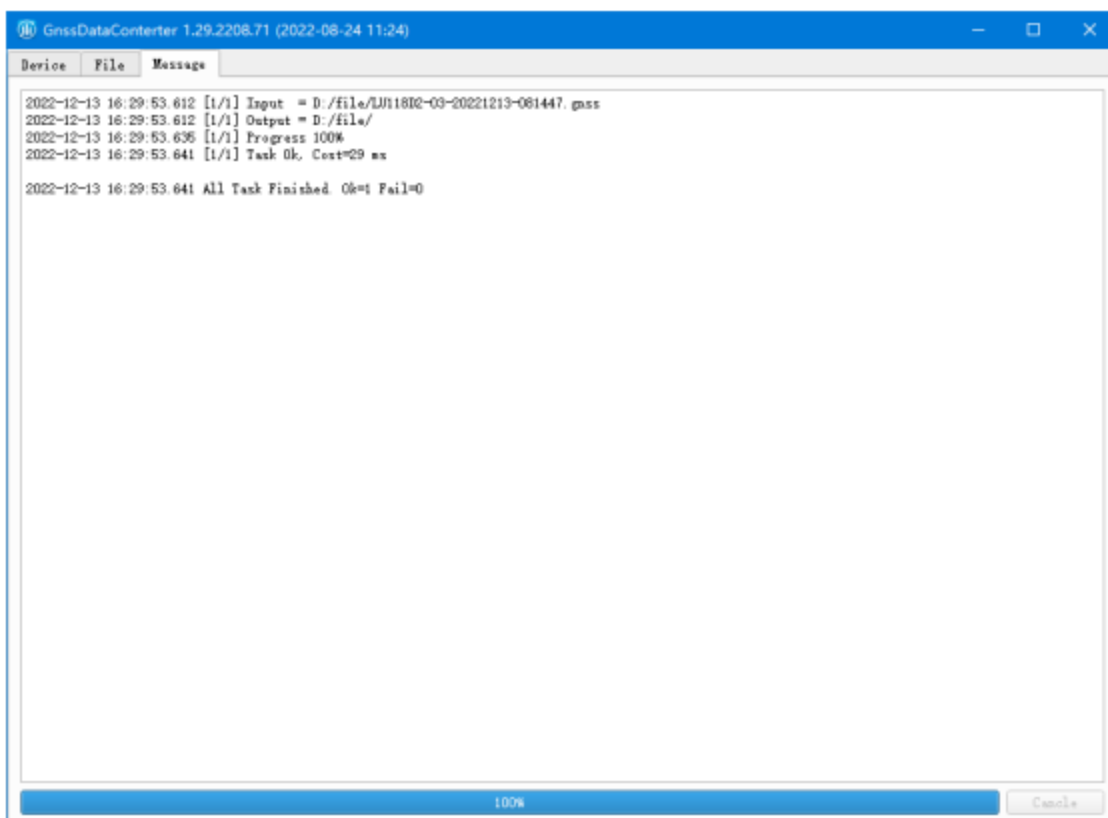


Figure 9-Convert

D:\File\				
名称	修改日期	类型	大小	
LU11802-03-20221213-081447.gps	2022/12/13 16:18	GNSS 文件	410 KB	
LU11802-03-20221213-081447.gps.Z2C	2022/12/13 16:29	Z2C 文件	18 KB	
LU11802-03-20221213-081447.gps.Z2G	2022/12/13 16:29	Z2G 文件	5 KB	
LU11802-03-20221213-081447.gps.Z2L	2022/12/13 16:29	Z2L 文件	8 KB	
LU11802-03-20221213-081447.gps.Z2N	2022/12/13 16:29	Z2N 文件	9 KB	
LU11802-03-20221213-081447.gps.Z2O	2022/12/13 16:29	Z2O 文件	1,005 KB	

Figure 10-RINEX 3.02