

## TPS2RIN Brief Description

TPS2RIN is a Win32 console application which converts TPS data files into RINEX format. It is intended to be used together with PC-CDU, although can be used as a standalone tool.

**Usage:** TPS2RIN -i <input file name> [-o <destination directory>] [<sw> [ <sw>]]

Valid switches are:

-i <sourcefile>	Specify the source file
-h	Display help screen
-o <destination>	Specify the destination directory (default: current directory)
-p <profile>	Specify profile (.INI) file with additional information
-1	Exclude L1
-2	Exclude L2
-q	Quiet mode (no output to the screen)
-l	Write log file for TPS file (with the same name as the source file and extension .log)
-e	Write epoch statistics into the observation file
-s dd[hh[mm[ss]]]	Start date/time (two digits are required for all numbers): dd - day of the month hh - hour (default is 00) mm - minutes (default is 00) ss - seconds (default is 00) Example: -s 31 - 31-th, 00:00:00 -s 310001 - 31-th, 00:01:00 -s 02220106 - 2-nd 22:01:06
-f dd[hh[mm[ss]]]	End date/time: dd - day of the month hh - hour (default is 23) mm - minutes (default is 59) ss - seconds (default is 59) If only Start time is specified, the following rule is applied to get End time: -s dd End time = dd235959 -s ddhh End time = ddhh5959 -s ddhhmm End time = ddhhmm59
-G	Exclude GPS satellites.
-g <nn>	Exclude GPS satellite number nn. To exclude more than one satellite repeat -g switch: -g 1 -g 22
-R	Exclude GLONASS satellites.
-r <nn>	Exclude GLONASS satellite number nn. To exclude more than one satellite repeat -r switch: -r 1 -r 22
-M <name>	Force marker name to "name" (up to 20 characters). Overrides marker name contained in the TPS file and in the profile (if any). -M "My marker"
-m <text>	Force marker number to "text" (up to 20 characters).
-D	Exclude Doppler

With only input file specified, it produces 3 files, assuming there is enough information in the source TPS file: GPS and GLONASS navigation messages files, and observations data file.

Profile is a plain text Windows INI file. It provides information you may want to put to your RINEX files. If you have configured PC-CDU to automatically convert files logged using Real-Time Logging feature to RINEX format, you may use PCCDU.INI file for that. Below is an example of content of such a file:

```
[TPS2RIN]
RUN BY = John Smith
COMMENT = Insert your comment here
OBSERVER = Observer name
AGENCY = Your company name
ANT # = 0002
ANT TYPE = JPSLEGANT_E
ANT DELTA H = 1.234
```

ANT DELTA E = 0.123  
ANT DELTA N = 0.020  
MARKER NAME=A Marker  
MARKER NUMBER=359

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