

# How to execute some common file conversions

Article Number: 125 | Rating: 1/5 from 2 votes | Last Updated: Wed, Feb 9, 2011 at 2:47 PM

## How to execute some common file conversions

### To uncompress a \*.d file (Hatanaka compressed) into a \*.o file (RINEX observation file):

Use `crx2rnx` (see the Japanese Geographical Survey Institute's [RNXCMP http site](#); `crx2rnx` is part of the freely available RNXCMP package).

- place `crx2rnx.exe` in the folder with the \*.d files
- open a command window if in Windows
- change to the directory with `crx2rnx` and the \*.d files
- use the following command for each \*.d file:

```
crx2rnx [*d filename]
```

### To convert a Trimble \*.t00/t01/t02 GPS data file to Trimble \*.dat/.tgd format:

Use either the [Trimble Data Transfer Utility](#) program or the Trimble `runpkr00` program in the R-utilities package. Once the Data Transfer Utility is installed, if using Trimble Data Transfer:

- right-click the \*.t00/t01/t02 file
- select Convert to DAT format

Note that you can convert files in batches by selecting multiple files before right-clicking.

### To convert a \*.dat/.tgd file (Trimble format) to a \*.o file (RINEX observation file), with an accompanying \*.n file (RINEX nav file):

Use `teqc`.

- place `teqc.exe` in the folder with the \*.dat files
- open a command window
- change to the directory with `teqc` and the \*.dat files
- use the following command for each \*.dat file:

```
teqc -tr d +nav [navfilename].nav [inputfilename].dat > [outputfilename].[yr]o
```

### Note on file names:

File naming convention is generally [4charID][dayofyear][session].[yr]o, e.g. TEST0320.07o, where TEST is the site name, 032 is the day of year (February 1), 0 is the session number (a second file collected at the same site that day would be 1, a third would be 2, and so on), and 07 is the year. Trimble NetRS files do not follow this convention.

Posted by: [Freddy Blume](#) - Wed, Feb 9, 2011 at 2:47 PM. This article has been viewed 11806 times.

Online URL: <https://kb.unavco.org/kb/article/how-to-execute-some-common-file-conversions-125.html>