

RINEX 3 long filename creation

The RINEX 3 format (<http://bit.ly/1YaodnI>) defines a new naming scheme for the files. The new names are longer and more descriptive allowing more information to be self-explanatory from the name itself versus the RINEX 2 short names:

nnor2290.15o	NNOR00AUS_R_20152290000_01D_30S_MO.rnx
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Or in compressed mode (Hatanaka and gzip):

nnor2290.15d.Z	NNOR00AUS_R_20152290000_01D_30S_MO.crx.gz
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Current deliveries of RINEX 3 files using short names as part of the MGEX project shall be switched to long filenames as soon as possible. You may submit RINEX 3 files with long names in parallel with the current RINEX 3 short name files until the end of August 2016, or you can switch to long names immediately.

Creating long name Rinex 3 files can be done as follows once the tool '*gfzrnx*' has been downloaded from:

<http://semisys.gfz-potsdam.de/semisys/> [Download -> GFZ Software -> gfzrnx]

for example to see on-screen what the new name should be;

```
> gfzrnx -finp nnor2290.15o -nomren23 R,AUS,00
NNOR00AUS_R_20152290000_01D_30S_MO.rnx
```

```
> gfzrnx -finp mas10010.14n -nomren23 R,ESP,00
MAS100ESP_R_20140010000_01D_GN.rnx
```

```
> gfzrnx -finp mas1287g.15o -nomren23 R,ESP,00
MAS100ESP_R_20152870600_01H_30S_MO.rnx
```

To rename the file in one command line please experiment with these;

```
> gfzrnx -finp mas1287g.15o -nomren23 R,ESP,00 | xargs -I '{}' cp
mas1287g.15o {}
```

```
> gfzrnx -finp redu3500.13d -nomren23 R,BEL,00 | xargs -I '{}' cp
redu3500.13d {}
```

which generates two copies of the same file with the old and new name in your directory;

```
518237 14 Jan 16:12 mas1287g.15o
518237 14 Jan 16:13 MAS100ESP_R_20152870600_01H_30S_MO.rnx
```

```
3899435 14 Sep 18:26 redu3500.13d
3899435 14 Jan 16:17 REDU00BEL_R_20133500000_01D_30S_MO.crx
```

remember to always deliver the files to the data center with Hatanaka and gzip for the new RINEX 3 long name files;

```
> rnx2crx MAS100ESP_R_20152870600_01H_30S_MO.rnx
> gzip MAS100ESP_R_20152870600_01H_30S_MO.crx
```

```
67313 14 Jan 16:32 MAS100ESP_R_20152870600_01H_30S_MO.crx.gz
```

Please let us know if you need more indications to start delivering your own RINEX 3 files with the correct names! *Thanks*.