

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 compress/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. Please prepare your file generation system to submit files with long names either in parallel with the current short name submission or in substitution.

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 longname 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.*