

# RINEX file naming conventions

## RINEX 2 format files

*nnnnDDDS.YYt[.cmp]*

where:

<i>nnnn</i>	=	4 character station ID
<i>DDD</i>	=	3 digit day of year (inc. leading zeros) of first epoch of data in the file
<i>S</i>	=	Hourly session ID letter corresponding to first epoch of data in the file. “a” = 00:00:00 - 00:59:59 (GPS time); “b” = 01:00:00 - 01:59:59; .... ; “x” = 23:00:00 - 23:59:59
<i>YY</i>	=	2 digit year (inc. leading zero) of first epoch of data in the file
<i>t</i>	=	File contents indicator. “o” = observations; “d” = Hatanaka compacted observations; “n” = GPS orbits; “g” = GLONASS orbits
<i>cmp</i>	=	[Optional] Compression method. E.g. “zip”, “gz”

## RINEX 3 format files

*nnnnMRCCC\_S\_YYYYDDDDHHMM\_PPU\_FFU\_CT.fmt[.cmp]*

where:

<i>nnnn</i>	=	4 character station ID
<i>M</i>	=	Monument number. Currently only zero (0) is used
<i>R</i>	=	Receiver number. Currently only zero (0) is used
<i>CCC</i>	=	ISO country code (GBR)
<i>S</i>	=	Data source. “R” = receiver; “S” = stream; “U” = unknown
<i>YYYY</i>	=	4 digit year of first epoch of data in the file
<i>DDD</i>	=	3 digit day of year (inc. leading zeros) of first epoch of data in the file
<i>HH</i>	=	2 digit hour (inc. leading zero) of first epoch of data in the file (GPS Time)
<i>MM</i>	=	2 digit minute (inc. leading zero) of first epoch of data in the file (GPS Time)
<i>PP</i>	=	2 digit file period (inc. leading zero)
<i>U</i>	=	Units of period <i>PP</i> . “M” = min; “H” = hour, “D” = day; “Y” = years; “U” = unspecified
<i>FF</i>	=	2 digit frequency of the observations (inc. leading zero)
<i>U</i>	=	Units of frequency <i>FF</i> . “C” = 100Hz; “Z” = Hz; “S” = sec; “M” = min; “H” = hour; “D” = day; “U” = unspecified NB - <i>_FFU</i> is omitted for files containing navigation data
<i>C</i>	=	Constellation indicator. “M” = mixed; “G” = GPS; “E” = Galileo; “R” = GLONASS; “C” = Beidou; “J” = QZSS; “I” = IRNSS; “S” = SBAS
<i>T</i>	=	Data type indicator. “O” = observations; “N” = navigation; “M” = meteo (no associated constellation so <i>MM</i> )
<i>fmt</i>	=	File format indicator. “rnx” = RINEX; “crx” = Hatanaka compacted RINEX
<i>cmp</i>	=	[Optional] Compression method. E.g. “zip”, “gz”

## Example

One hour of data from station *LEED*, 29<sup>th</sup> July 2021 (DoY 210), starting 09:00 (GPS time), 30 second data rate, mixed constellation, zip compressed.

RINEX 2 filename = ***LEED210j.21o.zip***

RINEX 3 filename = ***LEED00GBR\_S\_20212100900\_01H\_30S\_MO.rnx.zip***