

## GCOOS Filenaming Convention

All files to be submitted to GCOOS, in binary form (\*.bin) or in XML formatted (\*.xml) should follow the syntax below to avoid issues or delayed processing of the data submitted (22-character long):

### **42xxxxiyyyymmddhhmm.bin or 42xxxxiyyyymmddHHMM.xml**

- 42xxx - is the 5-digit WMO or GCOOS ID. If you do not have an ID for your station, please get in touch with GCOOS ([data@gcoos.org](mailto:data@gcoos.org)) to obtain one before pushing data to GCOOS receiving server (e.g., 42881, 42G05)
- i - is a one-character instrument number from 0-9 observing the same parameter (e.g., 1, 2, 0). An input of '0' will be interpreted as the 1<sup>st</sup> instrument
- yyyy - the 4-digit year (e.g., 2024, 2020)
- mm - the 2-digit month from 01 to 12 (e.g., 05, 11)
- dd - the 2-digit day from 01 to 31 (e.g., 02, 24)
- HH - the 2-digit hour from 00 to 23 (e.g., 00, 23); GCOOS does not use this but may be used by the data provider to avoid sending duplicates or to overwrite previously pushed data
- MM - the 2-digit minute from 00-59 (e.g., 05, 48 ); like the HH characters, GCOOS does not use this but may be used by the data provider to avoid sending duplicates or to overwrite previously pushed data

The following are examples of **valid** filenames:

- 428812202401020848.bin
- 423620202111020422.bin
- 428741202206242329.bin

The following are examples of **invalid** filenames (only as examples from the above examples of valid filenames):

- 4288102202401020848.bin - invalid because there is an extra character in the instrument number and total length of the filename is now 23-characters (counting the ".bin")
- 423620202111020422.yml - invalid because the acceptable filename extensions are either .bin or .xml
- 202206242329428742.bin - invalid because the WMO ID is at the end of the filename
- 410050202111020422.bin - invalid because the WMO ID is invalid for the Gulf of Mexico