

# XobsXOSn.txt

There are 20 HYPE variable IDs defined to be used for evaluating miscellaneous variables. These variables can be used for different observations that has not a designated HYPE variable ID already defined. There are two types of variables `xom` and `xos`, 10 of each numbered 0 to 9. The difference between the two types are that `xom` is averaged over time when a mean period is asked for (e.g. like soil moisture), while the other `xos`, is summed over time for the mean period (e.g. like runoff).

The files are located in the `otherobsdir` folder set in [info.txt](#). If the path is not set, the files are seached for in `forcingdir`. Variable of user choice is given for all time steps. Maximum 10 variables/files may be used. One file per variable. The variables are called `xos0`-`xos9`. The variable can be used for criterion calculation and is summed over `meanperiod`. The first row(s) may be commment rows. These rows have to start with `!!`. At least one comment row is needed. The first row, not a comment row, includes a text string (e.g. date, no spaces allowed) and then subbasin ids (`subid`).

The first column holds date in the format `yyyy-mm-dd`. If set in `info` that `matlab-format` should be read (`readformat 1`) the date format is instead `yyyymmdd`. The second to last columns hold data values for all or selected subbasins. The order of subbasins does not have to be same as in [GeoData.txt](#).

The file is read only if so set in [info.txt](#) (`readxomsfiles Y`).