

Uobs.txt

Wind speed is an optional forcing data. It can be used for calculation of potential evaporation with the FAO Penman-Monteith method (model options petmodel 5). If not given, it may be calculated from the wind components or a constant wind speed is assumed.

The file is located in the `forcingdir` folder. Wind speed (*m/s*) is given for all time steps. No missing values may exist (program won't check!). The *Uobs-file* is read only if `readwind` is set in [info.txt](#).

The file may have comment rows in the beginning of the file. These rows have to begin with `!!`. The first row read is column headings. It holds a text string (e.g. 'date', no spaces allowed) for the first column, and integers in the form of station or subbasin ID numbers for the rest of the columns.

The first column is date-time. The default format is `yyyy-mm-dd [HH:MM]`, where hour and minutes are necessary if the timestep is shorter than one day. The date-time is the beginning of the timestep. It is possible to use another date-time format: `yyyymmdd[HHMM]`. It is expected for all forcing files, if `readformat 1` is set in [info.txt](#).

The second to last columns are wind for all stations or subbasins. The ID number (first row) may be `uobsid` or `subid`. If `uobsid` is used, several subbasins may use the same wind time series. `subid` is defined in [GeoData.txt](#). The order of subbasins in *Uobs.txt* does not have to be same as in [GeoData.txt](#). `uobsid` may be defined in [ForcKey.txt](#).

Example snippet of *Uobs.txt* file:

```
date      1234  1245
1990-01-01 0.7   0.75
1990-01-02 0.8   0.65
...
```

Uobs_nnn.txt holds wind speed forcing data for sequence with `seqnr nnn`. For `seqnr 0` *Uobs.txt* is used.