

GMD-2020-31-supplement

The supplement is available online: <https://zenodo.org/record/3685899> and contains the following information:

DATA

- output from lec_debit_v6 scripts to extract observations and model discharge outputs
- monthly data for La Garonne river at Lamagistère
- seasonal data to compute Taylor statistics
- 10th and 90th deciles, nash and discharge ratio statistics
- clay and sand fractions, topography
- coordinates and heights of grid-meshes
- model infrared radiation at the 4 stations
- temperature profiles at the observation stations
- temperature profiles from SIM_NEW run (at the observation stations)
- snow depth observations used to compare to the control run
- snow depth observations used to compared to the SIM_NEW run
- forcing data averaged over France for the whole period
- forcing data annual mean
- accumulated sensible and latent heat fluxes as well as the bowen ratio
- accumulated evaporation and precipitation as well as their ratio

SOURCES

- sources of the control run including MODCOU
- sources of the modified runs (SURFEX v8.0)
- namelists, i.e. configuration files for the SURFEX experiments
- the MODCOU driver used to launch the model

SCRIPTS

- extraction and preparation of parameters averages (over space and time)
- lec_debit_v6.f90 to extract observed discharges and model output
- scripts to prepare deciles data and realise Taylor diagram

PLOTS

Python scripts used to prepare most of the manuscript figures