HYPE variable descriptions

This section gives and overview over the most common used variables in HYPE. For a complete description of variables see HYPE variable IDs or FileReference.pdf available at HYPE Open Source Community.

Input variables

Output variables

List of variables for which output can be written from the HYPE-model. The type column states the type of mean period calculation. AVE means that the variable is averaged over the time step or period. SUM means that the variable is summed over the time step or period.

Variable	Explanation	Type	More information
COUT	Simulated outflow from an olake (m3/s)	AVE	Routing
CPRC	Input precipitation data adjusted according to HYPE parameters.	SUM	Temperature and precipitation
CRUN	Calculated runoff from land (mm)	SUM	Land routines
CROS	Simulated surface runoff (mm)	SUM	Land routines
CTMP	Input data on temperature 2 meters above the ground adjusted according to HYPE parameters.	AVE	Temperature and precipitation
EPOT	Potential evaporation.	SUM	Evaporation
EVAP	Actual evaporation.	SUM	Evaporation
IRRA	Applied irrigation water to the soil (m3).	SUM	Irrigation
PREC	Precipitation (mm).	SUM	Temperature and precipitation
SDEP	Snow depth for the landarea of the subbasin.	AVE	Snow routines
SMDF	Soil moisture deficit to field capacity of upper two soil layers (mm)	AVE	Land routines
SMRZ	Soil moisture storage in the root zone.	AVE	Land routines
SRFF	Soil moisture in the root zone (upper two soil layers) (not including standing water) as fraction of the field capacity (wcfc).	AVE	Land routines
TEMP	Temperatur (degrees celsius).	AVE	Temperature and precipitation