EDHM Routine data description document

CONTENTS

Energy

Variable	Description	Units
TCanopy		Cel
TSoil		Cel
TSnow		Cel

Aerodyna

Variable	Description	Units
AerodynaResist		
ArchitecturalResist		
StomatalResist		
AerodynaResistCanopy		
AerodynaResistSnow		
ReferHeightCanopy		
ReferHeightSnow		
RoughCanopy		
RoughSnow		
DisplacCanopy		
DisplacSnow		
WindSpeedCanopy		
WindSpeedSnow		

Atmos

Variable	Description	Units
PVegVaporFlux		
VegVaporFlux		

Prec

Variable	Description	Units
Precipitation	Total precipitation (rain and snow)	mm
SnowFall	Snow equivalent water, not true snow depth	mm
RainFall		mm

Canopy

Variable	Description	Units
StorageCapacity		mm
SnowStorageCapacity		mm

ET

Variable	Description	Units
RET	Reference evapotranspiration	mm
ET	Total evapotranspiration	mm
Transpiration	Transpiration from canopy	mm
Evaporation	Total evaporation	mm
EvaporationCanopy	Evaporation from canopy	mm
EvaporationLand	Evaporation from land surface	mm

Intercept

Variable	Description	Units
Interception		mm
InterceptRain		mm
InterceptSnow		mm

Ground

Variable	Description	Units
ZoneMoistureVolume[1:n]		mm
MoistureVolume		mm
MoistureCapacity		
MoistureCapacityMax		mm
HydraulicConductivity		
WettingFrontSoilSuction		
MoistureContent		
EffectivePorosity		
ZoneDepth[1:n]		
Runoff		mm/
BaseFlow		mm

Infilt

Variable	Description	Units
Infiltration		mm
InfiltrationRate		
InfiltrationRateMax		

Runoff

RUNOFF

Variable	Description	Units
NDay	Oder of the day of the year	N/A
NMon	Oder of the month of the year	N/A

Snow

Variable	Description	Units
Blowing	Oder of the day of the year	N/A

Route

Variable	Description	Units
WaterSource[1:n]		
SurFlow	surface flow over grid(land)	m3/s
BasFlow	base flow from ground water	m3/s
StaFlow	station flow in a grid(station)	m3/s

IUH

Variable	Description	Units
UHMethond[1: UHN]	the methond of the IUH	list
UHParam	the parameters of the IUH	
UHAll		

Confluence

Variable	Description	Units
WSN	the number of water source	
GSN	the number of step from grid to station	
TransAll		
TypeGridID		

Param

Variable	Description	Units
SoilMoistureCapacityB	fctSoilInfiltration	
InfiltrationRateB	Infiltration.OIER	
ClappHornbergerB		
ExponentARNOBase	BASEFLOW.ARNO	
ARNOBaseThresholdRadio	BASEFLOW.ARNO	
DrainageLossMax	BASEFLOW.ARNO	
DrainageLossMin	BASEFLOW.ARNO	
CoefficientFreeThroughfall	INTERCEPTION.Gash	
UHPeriodN	IUH the number of UH period	**N/A**
UHN	the number of UH	
WSN	IUH the number of water source	
GridN		
PeriodN		
GSN	IUH the number of step from grid to station	
CanopyCapacity	ET.VIC	mm

ZoneDepth[1:n]   mm