DD:waterVolume.pcm

A:assumpVCN

TM:consThermE

A:assumpTEO

TM:nwtnCooling

A:assumpHTCC

GD:rocTempSimp

A:assumpDWPCoV A:assumpSHECov A:assumpTPCAV A:assumpCWTAT

GD:htFluxWaterFromCoil

A:assumpLCCCW A:assumpTHCCoT

GD:htFluxPCMFromWater

A:assumpLCCWP

IM:eBalanceOnWtr

A:assumpSITWP A:assumpNIHGBWP A:assumpTHCCoL A:assumpCTNOD A:assumpPIT A:assumpAPT A:assumpWAL

IM:eBalanceOnPCM

A:assumpVCMPN A:assumpPIS A:assumpNGSP

LC:likeChgUTP LC:likeChgDITPW UC:unlikeChgNIHG LC:likeChgTCVOL IM:heatEInPCM LC:likeChgDT LC:likeChgTLH IM:heatEInWtr UC:unlikeChgWPFS UC:unlikeChgNGS LC:likeChgTCVOD DD:waterMass DD:tankVolume DD:balanceDecayRate DD:balanceDecayTime DD:balanceSolidPCM DD:balanceLiquidPCM DD:htFusion DD:meltFrac DD:aspectRatio TM:sensHtE TM:latentHtE FR:inputValues FR:findMass FR:checkWithPhysConsts FR:outputInputDerivVals FR:calcTempWtrOverTime FR:calcTempPCMOverTime FR:calcChgHeatEnergyWtrOverTime FR:calcChgHeatEnergyPCMOverTime FR:verifyEnergyOutput FR:calcPCMMeltBegin FR:calcPCMMeltEnd NFR:correct NFR:verifiable NFR:understandable NFR:reusable NFR:maintainable