

Noah-MP Non-Glacier Column Model

Subroutine: NoahmpMain  
Module: NoahmpMainMod.F90

Phenology

Subroutine: PhenologyMain  
Module: PhenologyMainMod.F90

Precipitation Heat Advection

Subroutine: PrecipitationHeatAdvect  
Module: PrecipitationHeatAdvectMod.F90

Main Energy Process

Subroutine: EnergyMain  
Module: EnergyMainMod.F90

Ground Snow Cover Fraction

Subroutine: SnowCoverGroundNiu07  
Module: SnowCoverGroundNiu07Mod.F90

Ground Roughness Property

Subroutine: GroundRoughnessProperty  
Module: GroundRoughnessPropertyMod.F90

Ground Thermal Property

Subroutine: GroundThermalProperty  
Module: GroundThermalPropertyMod.F90

Surface Albedo

Subroutine: SurfaceAlbedo  
Module: SurfaceAlbedoMod.F90

Surface Radiation

Subroutine: SurfaceRadiation  
Module: SurfaceRadiationMod.F90

Surface Emissivity

Subroutine: SurfaceEmissivity  
Module: SurfaceEmissivityMod.F90

Soil Moisture Factor for Transpiration

Subroutine: SoilWaterTranspiration  
Module: SoilWaterTranspirationMod.F90

Ground Evaporation Resistance

Subroutine: ResistanceGroundEvaporation  
Module: ResistanceGroundEvaporationMod.F90

Psychrometric Variable/Constant

Subroutine: PsychrometricVariable  
Module: PsychrometricVariableMod.F90

Vegetated Surface Energy Flux

Subroutine: SurfaceEnergyFluxVegetated  
Module: SurfaceEnergyFluxVegetatedMod.F90

Bare Ground Surface Energy Flux

Subroutine: SurfaceEnergyFluxBareGround  
Module: SurfaceEnergyFluxBareGroundMod.F90

Soil and Snow Temperature

Subroutine: SoilSnowTemperatureMain  
Module: SoilSnowTemperatureMainMod.F90

Soil and Snow Water Phase Change

Subroutine: SoilSnowWaterPhaseChange  
Module: SoilSnowWaterPhaseChangeMod.F90

