

GEOS-5: Description layers and units

tavg1_2d-lnd_Nx: 2d time-averaged land surface diagnostics

Frequency: 1-hourly from 00:30 UTC (time-averaged)

Spatial Grid: 2D, single-level, full horizontal resolution

Dimensions: longitude=1152, latitude=721, time=1

<i>Name</i>	<i>Dim</i>	<i>Description</i>	<i>Units</i>
GRN	tyx	greenness fraction	1
GWETPROF	tyx	ave prof soil moisture	1
GWETROOT	tyx	root zone soil wetness	1
GWETTOP	tyx	surface soil wetness	1
LAI	tyx	leaf area index	1
LHLAND	tyx	Latent heat flux land	W m-2
LWLAND	tyx	Net longwave land	W m-2
PARDF	tyx	surface downwelling par diffuse flux	W m-2
PARDR	tyx	surface downwelling par beam flux	W m-2
PRECSNO	tyx	snowfall	kg m-2 s-1
PRECTOT	tyx	total precipitation	kg m-2 s-1
PRMC	tyx	water profile	m+3 m-3
QINFIL	tyx	Soil water infiltration rate	kg m-2 s-1
RUNOFF	tyx	overland runoff including throughflow	kg m-2 s-1
RZMC	tyx	water root zone	m+3 m-3
SFMC	tyx	water surface layer	m+3 m-3
SHLAND	tyx	Sensible heat flux land	W m-2
SMLAND	tyx	Snowmelt flux land	kg m-2 s-1
SNODP	tyx	snow depth	m
SNOMAS	tyx	Total snow storage land	kg m-2
SPLAND	tyx	rate of spurious land energy source	W m-2
SPSNOW	tyx	rate of spurious snow energy	W m-2
SPWATR	tyx	rate of spurious land water source	kg m-2 s-1
SWLAND	tyx	Net shortwave land	W m-2
TELAND	tyx	Total energy storage land	J m-2
TPSNOW	tyx	surface temperature of snow	K
TSAT	tyx	surface temperature of saturated zone	K
TSOIL1	tyx	soil temperatures layer 1	K
TSOIL2	tyx	soil temperatures layer 2	K
TSOIL3	tyx	soil temperatures layer 3	K
TSOIL4	tyx	soil temperatures layer 4	K
TSOIL5	tyx	soil temperatures layer 5	K
TSOIL6	tyx	soil temperatures layer 6	K
TSURF	tyx	surface temperature of land incl snow	K
TUNST	tyx	surface temperature of unsaturated zone	K
TWLAND	tyx	Avail water storage land	kg m-2
TWLT	tyx	surface temperature of wilted zone	K
WCHANGE	tyx	rate of change of total land water	kg m-2 s-1