

Variable Explanation For HU-SWRC Initial Condition File

File Format:

Grib2

Variables Included:

Variable Name	Description	Level Type
HGT	Geopotential Height	Multi : From 1000mb to 100mb at Every 25mb
TEMP	Air Temperature	Multi : From 1000mb to 100mb at Every 25mb
SPFH	Specific Humidity	Multi : From 1000mb to 100mb at Every 25mb
DPT	Dew Point Temperature	Multi : From 1000mb to 100mb at Every 25mb
RH	Relative Humidity	Multi : From 1000mb to 100mb at Every 25mb
VVEL	Vertical Velocity	Multi : From 1000mb to 100mb at Every 25mb
UGRD	U Component Wind	Multi : From 1000mb to 100mb at Every 25mb
VGRD	V Component Wind	Multi : From 1000mb to 100mb at Every 25mb
ABSV	Absolute Vorticity	Multi : From 1000mb to 100mb at Every 25mb
PRES:surface	Surface Pressure	Single
HGT:surface	Surface Height (Terrain Height)	Single
TMP:2m	2m AGL Air Temperature	Single
SPFH:2m	2m AGL Specific Humidity	Single
DPT:2m	2m AGL Dew Point Temperature	Single
RH:2m	2m AGL Relative Humidity	Single
PRES:2m	2m AGL Pressure	Single
UGRD:10m	10m AGL U Component Wind	Single
VGRD:10m	10m AGL V Component Wind	Single
SPFH:10m	10m AGL Specific Humidity	Single
CAPE:surface	Surface Based CAPE	Single
CIN:surface	Surface Based CIN	Single
HLCY:3000-0m	0-3000m AGL Helicity	Single
HLCY:1000-0m	0-1000m AGL Helicity	Single
USTM:6000-0m	U component storm motion	Single
VSTM:6000-0m	V component storm motion	Single
VUCSH:0-1000m	0-1000m AGL U Component Wind Shear	Single
VVCSH:0-1000m	0-1000m AGL U Component Wind Shear	Single
VUCSH:0-6000m	0-6000m AGL U Component Wind Shear	Single
VVCSH:0-6000m	0-6000m AGL U Component Wind Shear	Single
LFTX	1000-500mb Lifted Index	Single
4LFTX	180-0mb Lifted Index	Single
HPBL	Planetary Boundary Height	Single
HGT:level of adiabatic condensation from sfc		Single
PRES:level of adiabatic condensation from sfc		Single
NLAT	Latitude (North is Positive)	Single
ELON	Longitude (East is Positive)	Single
PRMSL	Sea Surface Pressure	Single