

**NCEP GRIB TABLE 130**  
**(For Land Modeling and Land Data Assimilation)**  
**(Last Updated 31 Jan 2003)**

(Saved in D:/wpdocs/ldas/GRIB-Table-130\_for-Land\_31Jan03.doc)

000-127	Keep as defined in NCEP GRIB Table 2, Office Note 388		
128-143	<b>“Not yet assigned”</b> → for as long as possible, to avoid Table 2 conflicts for users without awareness of or access to Table 130		
144	Volumetric soil moisture (frozen + liquid)	fraction	SOILW
145	Potential latent heat flux (potential evaporation)	W/m2	PEVPR
146	Vegetation canopy temperature	K	VEGT
147	Bare soil surface skin temperature	K	BARET
148	Average surface skin temperature	K	AVSFT
149	Effective radiative skin temperature	K	RADT
150	Surface water storage	Kg/m2	SSTOR
151	Liquid soil moisture content (non-frozen)	Kg/m2	LSOIL
152	Open water evaporation (standing water)	W/m2	EWATR
153	Not yet assigned		
154	Not yet assigned		
155	Ground Heat Flux	W/m2	GFLUX
156	Convective inhibition (CIN)	J/Kg	CIN
157	Convective available potential energy (CAPE)	J/Kg	CAPE
158	Turbulent Kinetic Energy	J/Kg	TKE
159	Maximum snow albedo	%	MXSALB
160	Liquid volumetric soil moisture (non-frozen)	fraction	SOILL
161	Frozen precipitation (e.g. snowfall)	Kg/m2	ASNOW
162	Liquid precipitation (rainfall)	Kg/m2	ARAIN
163	Groundwater recharge	Kg/m2	GWREC
164	Flood plain recharge	Kg/m2	QREC
165	Snow temperature, depth-avg	K	SNOWT
166	Visible beam downward solar flux	W/m2	VBDSF
167	Visible diffuse downward solar flux	W/m2	VDDSF
168	Near IR beam downward solar flux	W/m2	NBDSF
169	Near IR diffuse downward solar flux	W/m2	NDDSF
170	Snow-free albedo	%	SNFALB
171	Number of soil layers in root zone	non-dim	RLYRS
172	Momentum flux	N/m2	M FLX
173	Not yet assigned		
174	Not yet assigned		
175	Not yet assigned		
176	Latitude (-90 to +90)	deg	NLAT

177	East longitude (0-360)	deg	ELON
178	Field Capacity (soil moisture)	fraction	FLDCAP
179	Aerodynamic conductance	m/s	ACOND
180	Snow age	s	SNOAG
181	Canopy conductance	m/s	CCOND
182	Leaf area index (0-9)	non-dim	LAI
183	Roughness length for heat	m	SFCRH
184	Snow albedo (over snow cover area only)	%	SALBD
185	Not yet assigned		
186	Not yet assigned		
187	Normalized Difference Vegetation Index (NDVI)	non-dim	NDVI
188	Canopy drip	Kg/m2	DRIP
189	Not yet assigned		
190	Not yet assigned		
191	Not yet assigned		
192	Not yet assigned		
193	Not yet assigned		
194	Not yet assigned		
195	Not yet assigned		
196	Not yet assigned		
197	Not yet assigned		
198	Sublimation (evaporation from snow)	W/m2	SBSNO
199	Direct evaporation from bare soil	W/m2	EVBS
200	Canopy water evaporation	W/m2	EVCW
201	Not yet assigned		
202	Not yet assigned		
203	Minimal stomatal resistance	s/m	RSMIN
204	Downward shortwave radiation flux	W/m2	DSWRF
205	Downward longwave radiation flux	W/m2	DLWRF
206	Not yet assigned		
207	Moisture availability	%	MSTAV
208	Exchange coefficient	(Kg/m3)(m/s)	SFEXC
209	Not yet assigned		
210	Transpiration	W/m2	TRANS
211	Upward short wave radiation flux	W/m2	USWRF
212	Upward long wave radiation flux	W/m2	ULWRF

213	Not yet assigned		
214	Not yet assigned		
215	Not yet assigned		
216	Not yet assigned		
217	Not yet assigned		
218	Not yet assigned		
219	Wilting point	fraction	WILT
220	Field Capacity	fraction	FLDCP
221	Not yet assigned		
222	Surface slope type	Index	SLTYP
223	Plant canopy surface water	Kg/m2	CNWAT
224	Soil type	Index	SOTYP
225	Vegetation type	Index	VGTYT
226	Blackadar's mixing length scale	m	BMIXL
227	Asymptotic mixing length scale	m	AMIXL
228	Potential evaporation	Kg/m2	PEVAP
229	Snow phase-change heat flux	W/m2	SNOHF
230	Transpiration stress-onset (soil moisture)	fraction	SMREF
231	Direct evaporation cease (soil moisture)	fraction	SMDRY
232	Not yet assigned		
233	Not yet assigned		
234	Subsurface runoff (baseflow)	Kg/m2	BGRUN
235	Surface runoff (non-infiltrating)	Kg/m2	SSRUN
236	Not yet assigned		
237	Not yet assigned		
238	Snow cover	%	SNOWC
239	Snow temperature	K	SNOT
240	Soil porosity	fraction	POROS
241	Not yet assigned		
242	Not yet assigned		
243	Not yet assigned		
244	Not yet assigned		
245	Not yet assigned		
246	Solar parameter in canopy conductance	fraction	RCS
247	Temperature parameter in canopy conductance	fraction	RCT
248	Humidity parameter in canopy conductance	fraction	RCQ

249	Soil moisture parameter in canopy conductance	fraction	RCSOL
250	Not yet assigned		
251	Not yet assigned		
252	Surface drag coefficient	non-dim	CD
253	Surface friction velocity	m/s	FRICV
254	Richardson number	non-dim	RI
255	Missing		