GRIB2 - GRIB1
Local Parameter Conversion Table

The following table contains a list of GRIB1 locally defined NCEP parameters and their GRIB2 equivelent.

GRIB2			Parameter Name	GRIB1	
Product Discipline	Category	Parameter number		Parameter Table #	Parameter number
Sect 0 Octet 7	Sect 4 Octet 10	Sect 4 Octet 11		Sect 1 Octet 4	Sect 1 Octet 9
0	0	192	Snow Phase Change Heat Flux	2	229
0	1	22	Cloud Water Mixing Ratio	2	153
0	1	24	Rain Water Mixing Ratio	2	170
0	1	25	Snow Water Mixing Ratio	2	171
0	1	192	Categorical Rain	2	140
0	1	193	Categorical Freezing Rain	2	141
0	1	194	Categorical Ice Pellets	2	142
0	1	195	Categorical Snow	2	143
0	1	196	Convective Precipitation Rate	2	214
0	1	197	Horizontal Moisture Divergence	2	135
0	1	198	Percent Frozen Precipitation	2	194
0	1	199	Potential Evaporation	2	228
0	1	200	Potential Evaporation Rate	2	145
0	1	201	Snow Cover	2	238
0	1	202	Rain Fraction of Total Liquid Water	129	131
0	1	203	Rime Factor	129	133

0	1	204	Total Column Integrated Rain	129	138
0	1	205	Total Column Integrated Snow	129	139
0	2	192	Vertical speed sheer	2	136
0	2	193	Horizontal Momentum Flux	2	172
0	2	194	U-Component Storm Motion	2	196
0	2	195	V-Component Storm Motion	2	197
0	2	196	Drag Coefficient	2	252
0	2	197	Frictional Velocity	2	253
0	3	192	MSLP (Eta Reduction)	2	130
0	3	193	5-Wave Geopotential Height	2	222
0	3	194	Zonal Flux of Gravity Wave Stress	2	147
0	3	195	Meridional Flux of Gravity Wave Stress	2	148
0	3	196	Planetary Boundary Layer Height	2	221
0	3	197	5-Wave Geopotential Height Anomaly	2	230
0	4	192	Downward Short-Wave Rad. Flux	2	204
0	4	193	Upward Short-Wave Rad. Flux	2	211
0	5	192	Downward Long-Wave Rad. Flux	2	205
0	5	193	Upward Long-Wave Rad. Flux	2	212
0	6	192	Non-Convective Cloud Cover	2	213
0	6	193	Cloud Work Function	2	146
0	6	194	Convective Cloud Efficiency	129	134
0	6	195	Total Condensate	129	135
0	6	196	Total Column-Integrated Cloud Water	129	136
0	6	197	Total Column-Integrated Cloud Ice	129	137

0	6	198	Total Column-Integrated Condensate	129	140
0	6	199	Ice fraction of total condensate	129	132
0	7	6	Convective Available Potential Energy	2	157
0	7	7	Convective Inhibition	2	156
0	7	8	Storm Relative Helicity	2	190
0	7	192	Surface Lifted Index	2	131
0	7	193	Best (4 layer) Lifted Index	2	132
0	7	194	Richardson Number	2	254
0	14	192	Ozone Mixing Ratio	2	154
0	19	11	Turbulent Kinetic Energy	2	158
0	19	192	Maximum Snow Albedo	130	159
0	19	193	Snow-Free Albedo	130	170
0	191	192	Latitude (-90 to +90)	2	176
0	191	193	East Longitude (0 - 360)	2	177
1	0	192	Baseflow-Groundwater Runoff	2	234
1	0	193	Storm Surface Runoff	2	235
2	0	192	Volumetric Soil Moisture Content	2	144
2	0	193	Ground Heat Flux	2	155
2	0	194	Moisture Availability	2	207
2	0	195	Exchange Coefficient	2	208
2	0	196	Plant Canopy Surface Water	2	223
2	0	197	Blackadar’s Mixing Length Scale	2	226
2	0	198	Vegetation Type	2	225
2	0	199	Canopy Conductance	130	181
2	0	200	Minimal Stomatal Resistance	130	203
2	0	201	Wilting Point	130	219

2	0	202	Solar parameter in canopy conductance	130	246
2	0	203	Temperature parameter in canopy conductance	130	247
2	0	204	Humidity parameter in canopy conductance	130	248
2	0	205	Soil moisture parameter in canopy conductance	130	249
2	3	0	Soil Type (as in Zobler)	2	224
2	3	192	Liquid Volumetric Soil Moisture	130	160
2	3	193	Number of Soil Layers in Root Zone	130	171
2	3	194	Surface Slope Type	130	222
2	3	195	Transpiration Stress-onset (soil moisture)	130	230
2	3	196	Direct Evaporation Cease (soil moisture)	130	231
2	3	197	Soil Porosity	130	240