

## NCAR Ensemble Grib1 File Product List Description

[ File: ncar\_3km\_2015060300\_mem1\_f048.grb.gz ]

Field	kpds5	kpds6	kpds7	Vert Level	Description
<b>Instantaneous Fields</b>					
REFD	211	105	1000	1 km AGL	1km AGL radar reflectivity *
REFC	212	200	0	Atmos. Col.	Composite radar reflectivity *
TMP	11	105	2	2 m	2 meter Temperature
DPT	17	105	2	2 m	2 meter Dewpoint
CSNOW	143	1	0	Sfc	Categorical Snow
CICEP	142	1	0	Sfc	Categorical Ice Pellets
CFRZR	141	1	0	Sfc	Categorical Freezing Rain
CRAIN	140	1	0	Sfc	Categorical Rain
CAPE	157	1	0	Sfc	Sfc Based CAPE
CAPE	157	116	65280	0-255 mb AGL	MUCAPE
SNOT	239	106	15360	0-6 km AGL	U-comp 0-6 wind shear
LRGHR	241	106	15360	0-6 km AGL	V-comp 0-6 wind shear
PRMSL	2	102	0	msl	Shuell mean sea level pressure
UGRD	33	105	10	10 m	10 meter u-component *
VGRD	34	105	10	10 m	10 meter v-component *
<b>Hourly-Max Fields</b>					
APCP	61	1	0	sfc	Hourly accum. Precip *
Var236	236	106	12820	2-5km AGL	Updraft helicity *
Var237	237	101	10340	400-1000mb	Updraft speed *
SNOHF	229	105	10	10m AGL	Max 10 m wind speed *
Var250	250	1	0	sfc	Thompson hail (hail_maxk1) *
Var251	251	1	0	sfc	Thompson hail (hail_max2d) *
<b>Extra Fields</b>					
LFTX	131	101	12900	500-1000mb	Lifted Index--Surface
CIN	156	1	0	sfc	Surface based CIN
TMP	11	1	0	sfc	Sfc based Buoyancy Min (BMIN)
PRES	1	1	0	sfc	Sfc based Press of BMIN (PBMIN)
CAPE	157	116	46080	0-180 mb	Best bdy layer CAPE
CIN	156	116	46080	0-180 mb	Best bdy layer CIN
TMP	11	116	46080	0-180 mb	Best bdy layer BMIN
PRES	1	116	46080	0-180 mb	Best bdy layer PBMIN
CAPE	157	116	23040	0-90 mb	Mixed Layer (ML) CAPE
CIN	156	116	23040	0-90 mb	MLCIN
TMP	11	116	23040	0-90 mb	ML BMIN
PRES	1	116	23040	0-90 mb	ML PBMIN
CIN	156	116	65280	0-255 mb	MUCIN

TMP	11	116	65280	0-255 mb	MU BMIN
PRES	1	116	65280	0-255 mb	MU PBMIN
PLPL	141	116	65280	0-255 mb	Lifted parcel level pressure
PVORT	4	113	320	320 K	Potential Vorticity on 320K
PWAT	54	200	0	Atmos. Col.	Precipitable Water
TMP	11	3	0	cloud top	Cloud top temperature
HLCY	190	106	7680	0-3 km AGL	0-3 km Helicity
HLCY	190	106	2560	0-1 km AGL	0-1 km Helicity
USTM	196	106	15360	0-6 km AGL	U-comp 0-6km storm motion
VSTM	197	106	15360	0-6 km AGL	V-comp 0-6km storm motion
5WAVA	230	106	2560	0-1 km AGL	U-comp 0-1 wind shear
SNOWC	238	106	2560	0-1 km AGL	V-comp 0-1 wind shear
HGT	7	7	0	Tropopause	Height of tropopause
HGT	7	5	0	cond lev anl	Height of LCL
var242	242	8	0	Nom. top	GOES12-W Channel 3
var243	243	8	0	Nom. top	GOES12-W Channel 4
SBT123	123	8	0	Nom. top	GOES12-E Channel 3
SBT124	124	8	0	Nom. top	GOES12-E Channel 4
* Field is computed/output from WRF and passed through UPP into Grib file, no derivations performed within UPP for these fields.					