

# LIST OF VARIABLES IDENTIFIED FOR ENSEMBLE EXCHANGE BETWEEN MSC - NCEP

Parameter	CMC	NCEP
Ensemble	8 SEF, 8 GEM	10 paired
Grid	2.5x2.5 deg (144x73) & 1.2x1.2 deg (300x151)	2.5x2.5 deg (144x73) & 1.0x1.0 deg (360x181)
Domain	Global	Global
Format	WMO GRIB Format	WMO GRIB Format
Hours	0, 12, 24, 36, 48, . . . ,216, 228, 240	0, 6, 12, 18, 24, . . . . ., 360, 366, 372, 378, 384
GZ	200, 250, 500, 700, 850, 925, 1000	200, 250, 500, 700, 850, 925, 1000
TT	200, 250, 500, 700, 850, 925, 1000	200, 250, 500, 700, 850, 925, 1000
E	Tdd at 200, 250, 500, 700, 850, 925, 1000	RH at 200, 250, 500, 700, 850, 925, 1000
U, V	200, 250, 500, 700, 850, 925, 1000	200, 250, 500, 700, 850, 925, 1000
TT Sfc	12000, redefined in GRIB file as 2m AGL	2m
U, V Sfc	Redefined in GRIB file as 10m AGL	10m
ES	Tdd at 12000, redefined in GRIB file as 2m AGL	RH at 2M
MSLP	(PN) level 0	PRMSL
PR (total precip)	Level 0 , i.e. at surface	Level 0, i.e.at surface
NT (total cloud cover)	Level 0	Column
IH (total precipitable cover)	Level 0	Column
Sfc Pres	(SEF) (P0) level 0 at surface	Sfc Pressure
Model Topography	Model Topography	Model Topography at t=0 and t=192
CAPE	Most unstable layer	Most unstable layer
Precip Type	4 accumulations processed into 4 bitmaps	4 bitmap variables for 4 types
Tmax	2m derived from hourly	2m
Tmin	2m derived from hourly	2m
WAM	Later	Later

Black: data presently exchanged

Blue: data exchanged & processed by NCEP June 2004

Red: data added in September 2004

Green: data to be exchanged later

**R. Wobus**  
**R. Hogue**