Definition of Acronyms in SREF model tables:

1) IC (Initial Conditions):

- NDAS : NAM Data Assimilation System
- GFS : Global Forecast System
- RAP : Rapid Refresh

2) IC Perturbations:

- GEFS : Global Ensemble Forecast System
- SREF : Short-Range Ensemble Forecast

3) LBC (Lateral Boundary Conditions)

- GEFS XX : Global Ensemble Forecast System member XX (1-20)
- GFS : Global Forecasy System

4) Convective Parameterization:

- BMJ : Betts-Miller-Janjic
- SAS : Simplified Arakawa-Shubert
- KF : Kain-Fritsch
- Grell : Grell-Freitas

5) Planetary Boundary Layer Parameterization

- MYJ : Mellor-Yamada-Janjic
- GFS : Hong and Pan
- YSU : Yonsei University scheme
- MYNN : Nakanishi and Niino version of Mellor-Yamada scheme

6) Surface Layer Parameterization

- MYJ : Mellor-Yamada-Janjic
- MYNN : Nakanishi and Niino version of Mellor-Yamada scheme
- MM5 : MM5 scheme (Paulson, Dyer and Hicks, Webb, Zhang and Anthes)

7) Microphysics

- Fer_hires : Ferrier-Aligo scheme
- Fer : Original Ferrier scheme
- WSM6 : WRF Single Moment 6-Class scheme
- Thompson : Thompson “partial” double moment scheme

8) Radiation

- RRTM : Rapid Radiative Transfer Model (regional model version)
- RRTMG : Rapid Radiative Transfer Model (global model version)
- GFDL : Schwarzkopt and Fels (1989 JAS) GFDL scheme
- GSFC : Goddard scheme (Chou and Suarez, 1994)

9) Land-Surface :

- All use NCEP Community Noah land-surface model (Noah-LSM)
- All are initialized with NAM soil states, some with drier soil perturbations

10) Gravity Wave Drag (GWD)

- Not used in ARW runs
- NMMB runs use GWD scheme in the operational NAM; “cleffamp” is a parameter used in the computation of base-level mountain wave stress in the GWD/Mountain Blocking scheme