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 Forecast 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