

Sub grid scale (SGS) clouds in ccpp-physics

RRTMG:

- SGS clouds are accounted for in module_SGSCloud_RadPre.F90. This is a scheme file added to the SDF, within the radiation loop.
- If MYNN-EDMF PBL clouds scheme or GF convective cloud scheme ON -> Compute cloud radiative fields for modified cloud -> provide **single** cloud to radiation



RRTMGP

- Handled in GFS_rrtmgp_cloud_mp.F90
- If MYNN-EDMF PBL clouds scheme or GF convective cloud scheme ON -> Compute cloud optical properties for **each** active cloud type -> provide **each** cloud type to the radiation.

