Meteorological inputs (WRF v3.8) - Emission inventory - Boundary condition - Initial condition

CMAQ v5.2
- Diffusion
- Cloud process
- Horizontal advection
- Vertical advection
- Emission
- Other
- Chemistry

C-TRAIL v1.0
- TG advection
- Modified diffusion
- Other processes same as CMAQ v5.2

Solver processing

Conventional Eulerian output - C-TRAIL output