

| Run | wrf-60km | wrf-12km |
|----------------|----------------------------|----------------------------|
| Microphysics | WSM5 | WSM5 |
| Radiation | RRTMG LW/SW | RRTMG LW/SW |
| Cumulus | Grell–Dévényi | Grell–Dévényi |
| PBL | ACM2 (Pleim) | ACM2 (Pleim) |
| Surface layer | Janjic Eta | Janjic Eta |
| Land–surface | Noah LSM | Noah LSM |
| Grid FDDA | UV/T/PH above PBL | off |
| o3input | 2 | 2 |
| aer_opt | 1 | 1 |
| Domain size | $157 \times 106 \times 40$ | $496 \times 331 \times 40$ |
| Time step | 360 s | 72 s |
| Rad. time step | 24 m | 24 m |
| LBC* interval | 6 h | 3 h |

* Lateral boundary conditions.