

Parameters	Description	ne11 (2.8°)	ne16 (1.9°)	ne30 (1°)	ne120 (1/4°)
ne_sphere	Number of spectral elements on the sphere	726	1536	5400	86 400
ncol	Number of physics columns	6536	13 826	48602	777 602
dx (km)	Approximate grid box size	280	190	100	25
se_ftype	Physics–dynamics coupling options	0	0	0	0
Δt	Time step size for physics–dynamics coupling and most physical processes	7200 s	1800 s	1800 s	900 s
se_nsplitt (time step)	Number of sub-cycles for dynamics (including vertical remapping of the semi-Lagrangian vertical coordinate)	4 (1800 s)	1 (1800 s)	2 (900 s)	4 (225 s)
se_rsplitt (time step)	Number of sub-cycles for tracer advection in each dynamics sub-cycle	2 (900 s)	3 (600 s)	3(300 s)	3 (75 s)
cld_macmic_num_steps	Number of sub-cycles for macro-/microphysics in Δt	6	6	6	6