

Process	Configuration	Reference
Microphysics	Single Moment-3 class (<code>mp_physics = 3</code>)*	Hong et al. (2004)
Cumulus parameterization	Kain–Fritsch (<code>cu_physics = 1</code>)*	Kain (2004)
Shortwave radiation	RRTM (<code>ra_sw_physics = 1</code>)*	Mlawer et al. (1997)
Longwave radiation	RRTM (<code>ra_lw_physics = 1</code>)*	Mlawer et al. (1997)
Land surface	Noah land model (<code>sf_surface_physics = 2</code>)*	Chen and Dudhia (2001)
Planetary boundary layer	YSU (<code>bl_pbl_physics = 1</code>)*	Hong et al. (2006)