SLOW -PHYSICS	**DYNAMICS**	**HYD – ADV**	**HYD – UPDATE**	**SATAD**	**FAST – PHYSICS**	**SLOW -PHYSICS**
Radiation, Convection, cloud cover	*Wind and Exner pressure*	*Advection of hydrometeors and tracers*	*Hydrometeor update*	*Saturation adjustment*	*Turbulence and Diffusion, Microphysics*	*Radiation, Convection, cloud cover*
$\Delta\vec{v}_{n_{phy}}$	$\vec{v}_n^{\,t+1} = \vec{v}_n^{\,t} + \Delta\vec{v}_{n_{dyn}} + \Delta\vec{v}_{n_{phy}}$				$\Delta\vec{v}_{n_{phy}}$	$\Delta\vec{v}_{n_{phy}}$
$\Delta\pi_{sp}$	$\pi^{t\star} = \pi^t + \Delta\pi_{dyn} + \Delta\pi_{sp}$			$\pi^{t\star\star} = \pi^\star + \Delta\pi_{satad}$	$\pi^{\,t+1} = \pi^{t\star,\star} + \Delta\pi_{fp}$	$\Delta\pi_{sp}$
ΔQx_{sp}		$Qx^{t\star} = Qx^t + \Delta Qx_{adv}$	$Qx^{t\star\star} = Qx^{t\star} + \Delta Qx_{sp}$	$Qx^{t\star\star\star} = Qx^{t\star\star} + \Delta Qx_{satad}$	$Qx^{\,t+1} = Qx^{t\star\star\star} + \Delta Qx_{fp}$	ΔQx_{sp}
$t_{step} = 1$						
$t_{step} = t_{dyn}$						
$t_{step} = t_{adv}$						
$t_{step} = t_{dyn}$						
$t_{step} = t_{slowphys}$						
$t_{step} = t_{dyn}$						
$t_{step} = t_{adv}$						