Variable	Expression	Units	Variable name
Time rate of change in potential temperature	$\frac{\partial\overline{\theta}}{\partial t}$	K day^{-1}	tt_time
Meridional advection of potential temperature	$\frac{\overline{v}}{a}\frac{\partial\overline{\theta}}{\partial\phi}$	K day^{-1}	ttv_mean
Vertical advection of potential temperature	$\overline{\omega}\frac{\partial\overline{\theta}}{\partial p}$	K day^{-1}	ttw_mean
Meridional eddy term	$\frac{1}{a\cos\phi}\frac{\partial(\overline{v'\theta'}\cos\phi)}{\partial\phi}$	K day^{-1}	ttv_eddy
Vertical eddy term	$\frac{\partial(\overline{\omega'\theta'})}{\partial p}$	K day^{-1}	ttw_eddy
Estimated total diabatic heating	$\frac{\mathrm{D}\overline{\theta}}{\mathrm{D}t}$	K day^{-1}	tt_diag
Residual	$\overline{\mathcal{X}}$	K day^{-1}	tt_resid