







$\frac{\partial q}{\partial t} = -u \bullet \nabla q - k (q - t)$	$q_{eq}\big) = F(u,q)$	$\overline{u^e \bullet \nabla q^e} = \overline{F(\overline{u}, \overline{q})} - \overline{F(\overline{u}, \overline{q})}$	$\overline{u} + u^e, \overline{q} + d$	$\overline{q^{e}}$) $\delta\overline{u}$	$=\delta \overline{u}^Q$
Tracer advection		Specified eddies:		Wind	Radiatio
equation		overbar – zonal mean e - eddies		in the full	
				model	

Interpreting downward influence from the stratospheric ozone depletion-like cooling to the tropospheric circulation in an idealized model Huang Yang¹ (<u>hy337@cornell.edu</u>), Lantao Sun² and Gang Chen¹

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(continued)						
lean	Planetary eddies	Synoptic eddies	Ozone loss			
d	Resolved	Resolved	No			
d	Resolved	Resolved	Yes			
d	Specified (FM _C)	Specified (FM _C)	No			
d	Specified (FM _F)	Specified (FM _F)	Yes			
d	Specified (FM _C)	Specifeid (FM _C)	Yes			
d	Specified (FM _F)	Specified (FM _C)	No			
d	Specified (FM _C)	Specified (FM _F)	No			

Tropospheric jet



