- tropical atmosphere to the heat sources
- condensation, which has approximately half-sinusoidal vertical structure
- convetion, upper layer winds detraining

| $\partial 	heta'$ | $\partial \theta'$ | $\partial \theta'$ | $-\frac{\theta_0 N^2 H_0}{g}$ | (<i>д</i> и _ | ∂v | | L_{c} | (dq) | |
|-----------------------------------|-------------------------------------|-----------------------------------|-------------------------------|-------------------------|--|---|------------------|--------------------------------|--|
| $\frac{\partial t}{\partial t}$ + | $u \frac{\partial x}{\partial x} +$ | $v \frac{\partial y}{\partial y}$ | $- {g}$ | $\sqrt{\partial x}^{+}$ | $\left(\overline{\partial y} \right)$ | = | $\overline{c_p}$ | $\left(\frac{dt}{dt} \right)$ | |

 $gH_0 \partial \theta$

 $\frac{\partial(uq)}{\partial(vq)}$ $\pm \frac{\partial(vq)}{\partial(vq)}$

 p_M

Tracer equation







