

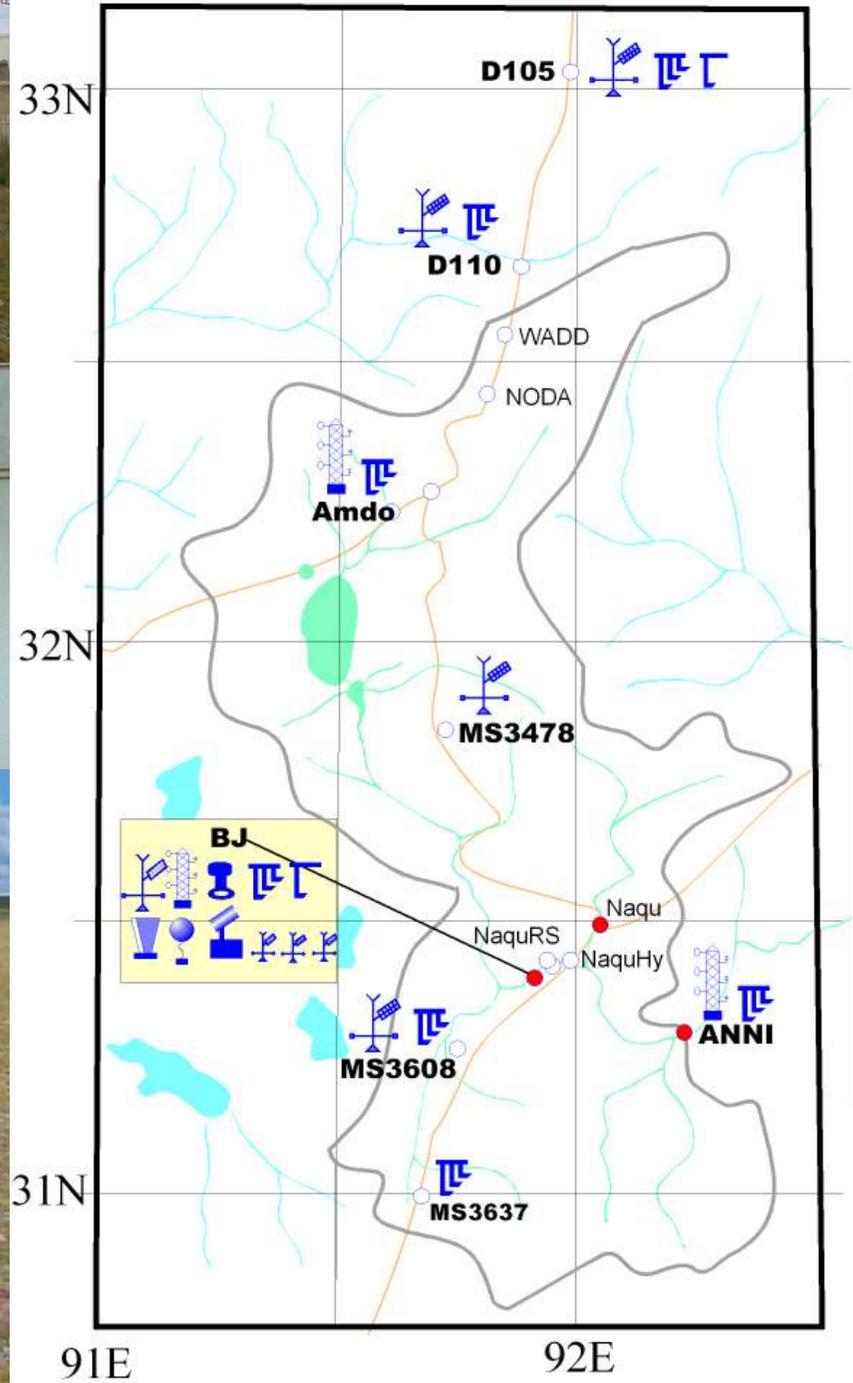
Atmospheric Heating over the Tibetan Plateau before the Asian Monsoon Onset

Toshio Koike, The University of Tokyo
Kenji Taniguchi, Kanazawa University

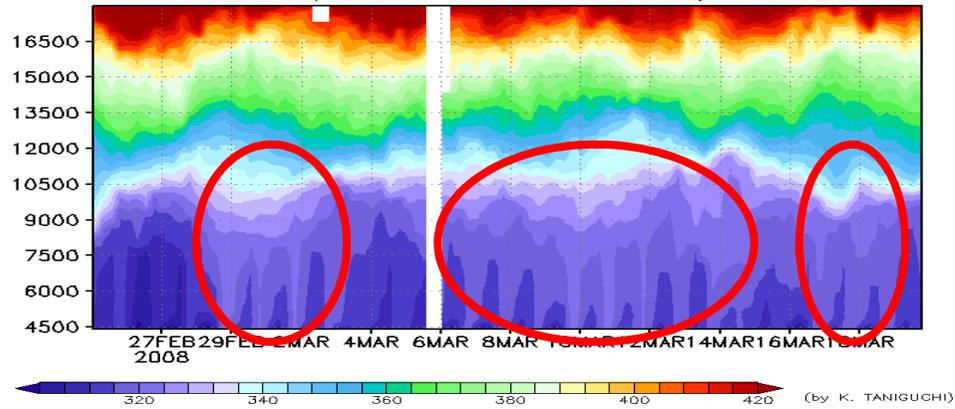


CAMP Meso Scale map

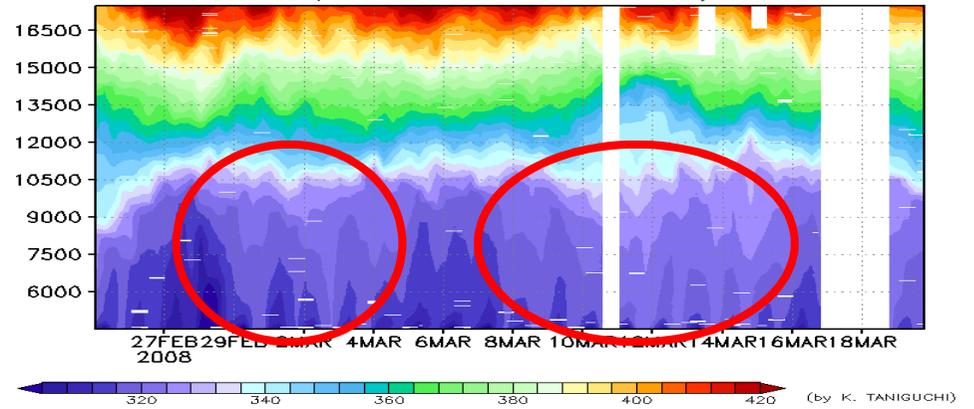
ver. 20021213



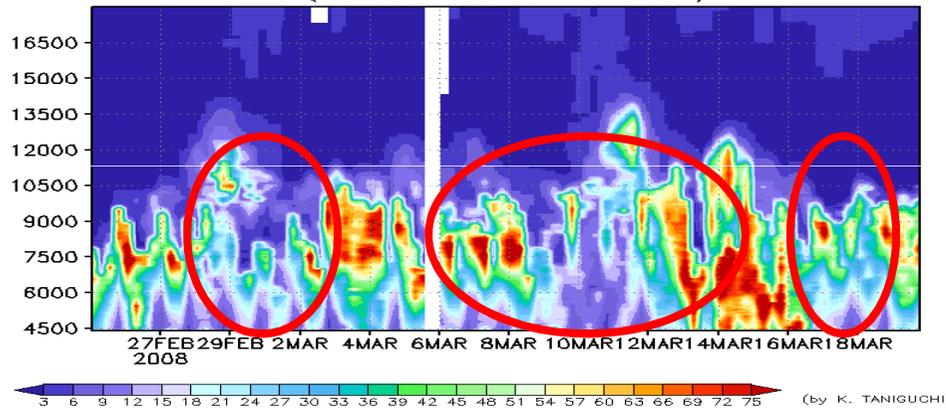
Temporal Variation of PT at Gaize
(01Z25Feb2008-19Z19Mar2008)



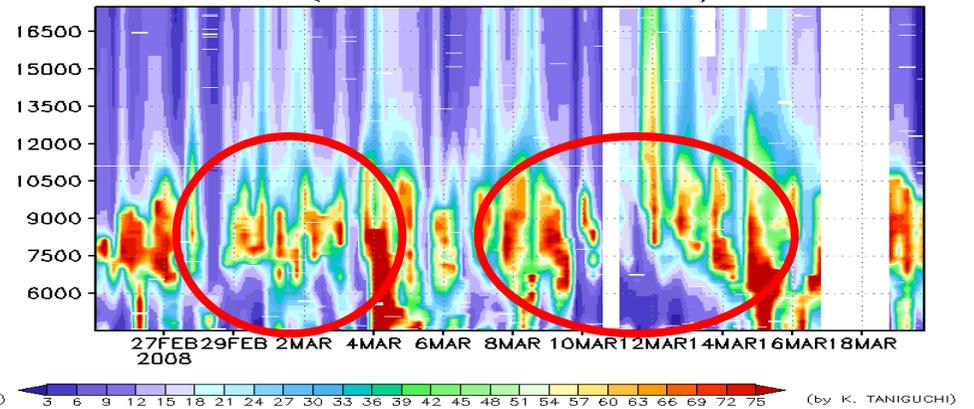
Temporal Variation of PT at Naqu
(01Z25Feb2008-19Z19Mar2008)



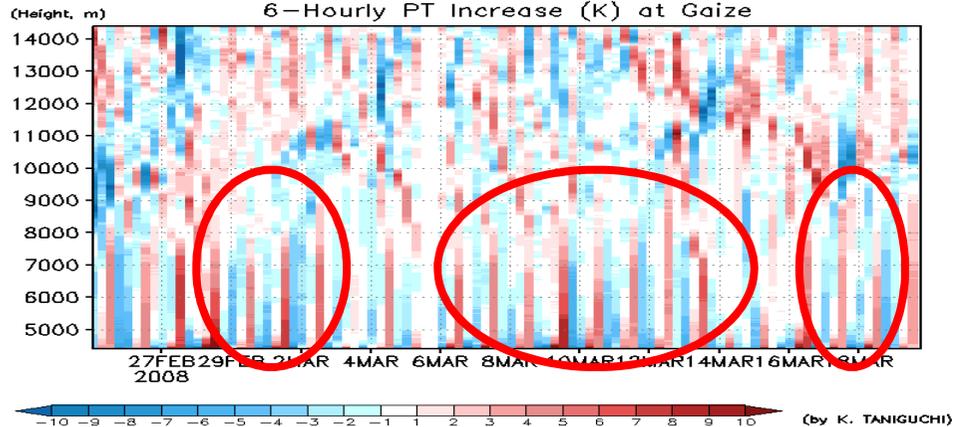
Temporal Variation of Relative Humidity at Gaize
(01Z25Feb2008-19Z19Mar2008)



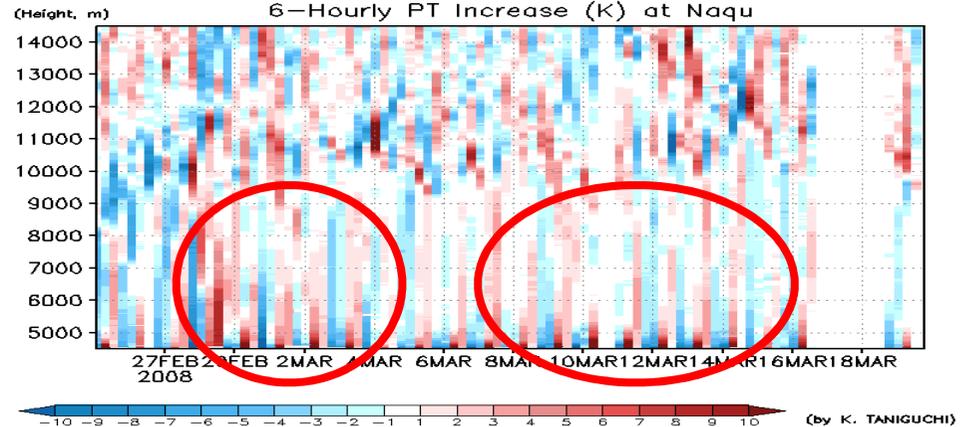
Temporal Variation of Relative Humidity at Naqu
(01Z25Feb2008-19Z19Mar2008)



6-Hourly PT Increase (K) at Gaize

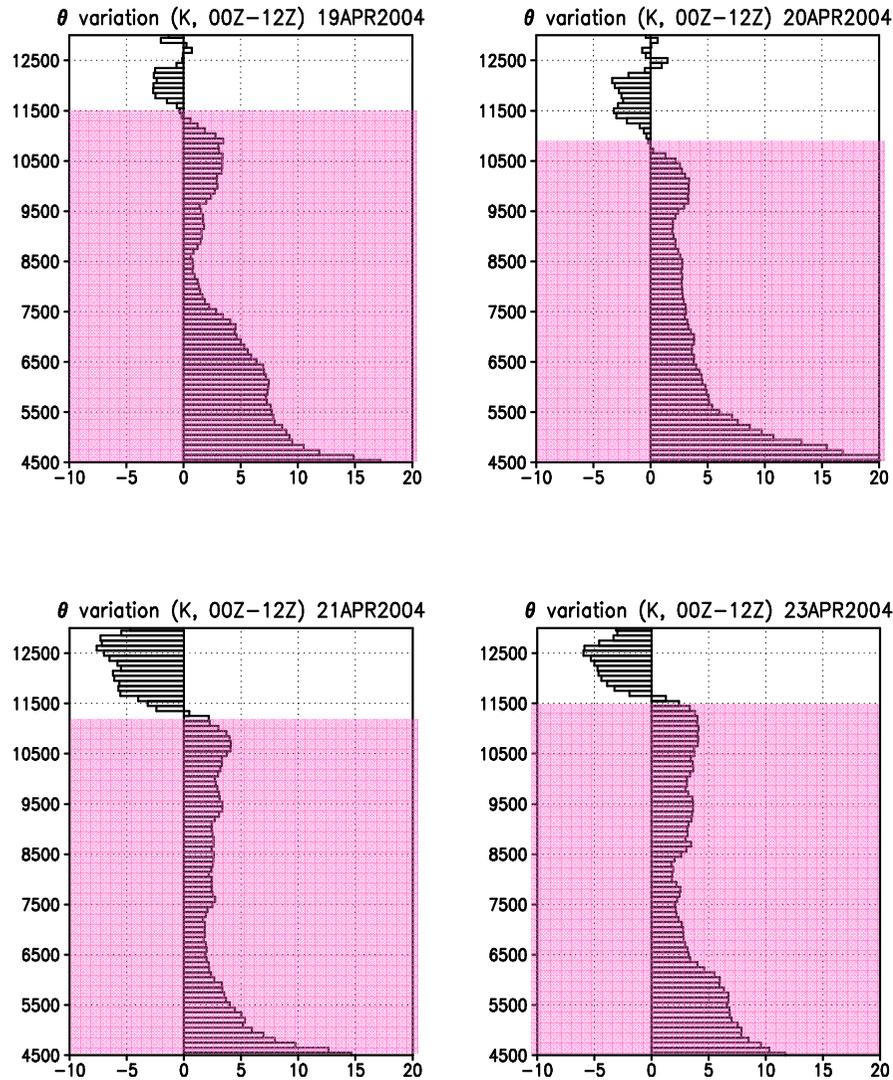


6-Hourly PT Increase (K) at Naqu

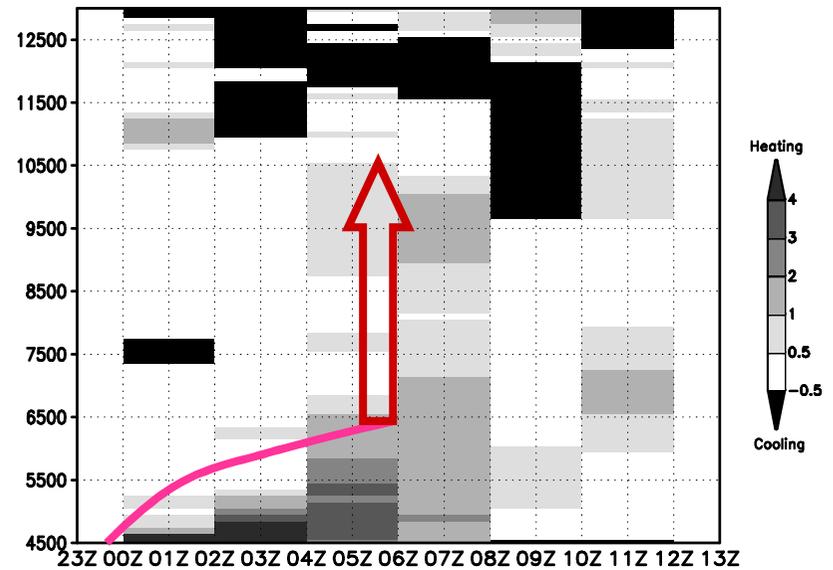


Atmospheric Heating over the Tibetan Plateau

CEOP/CAMP-Tibet IOP in 2004

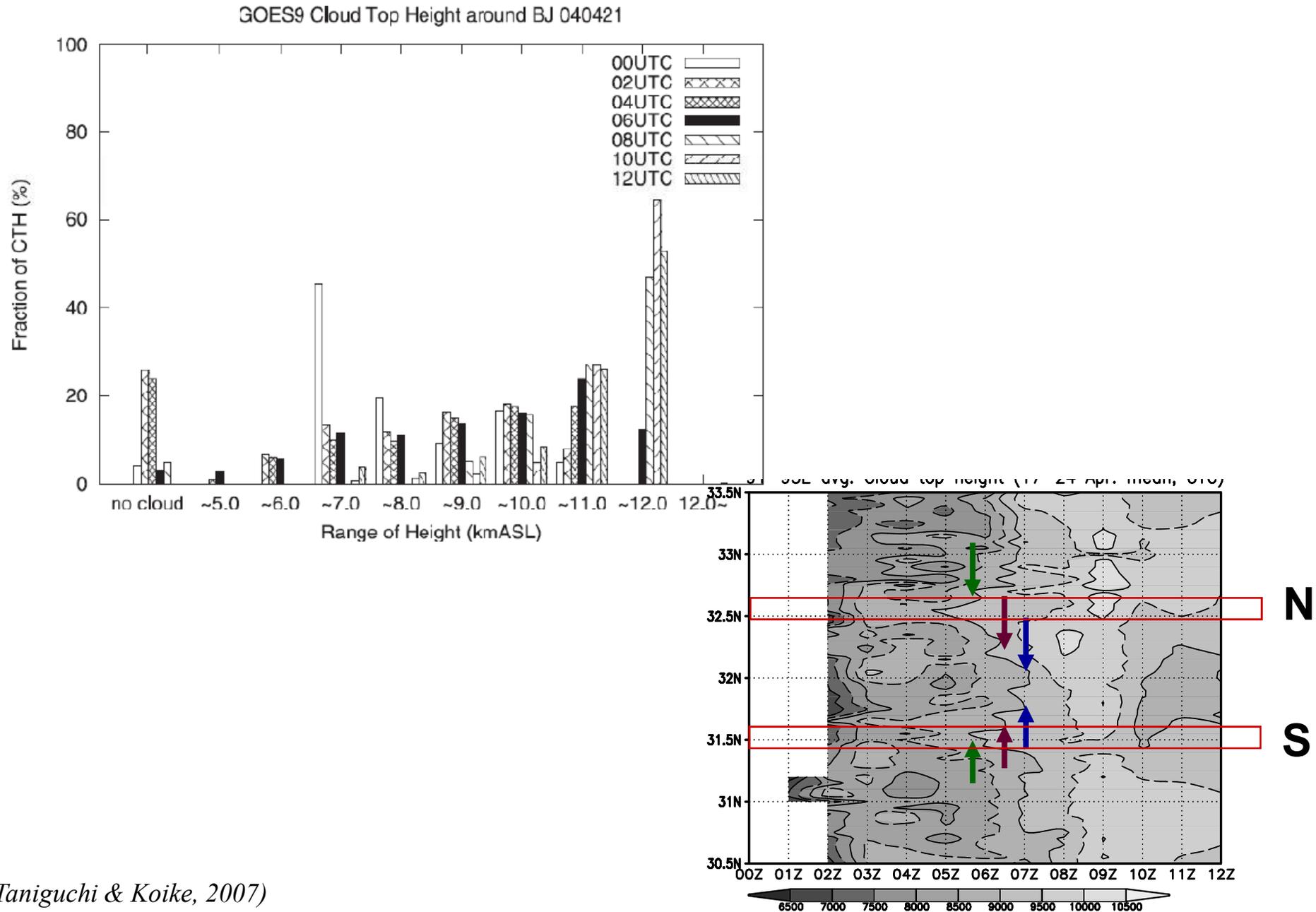


2 hourly Change of Atmospheric Temperature

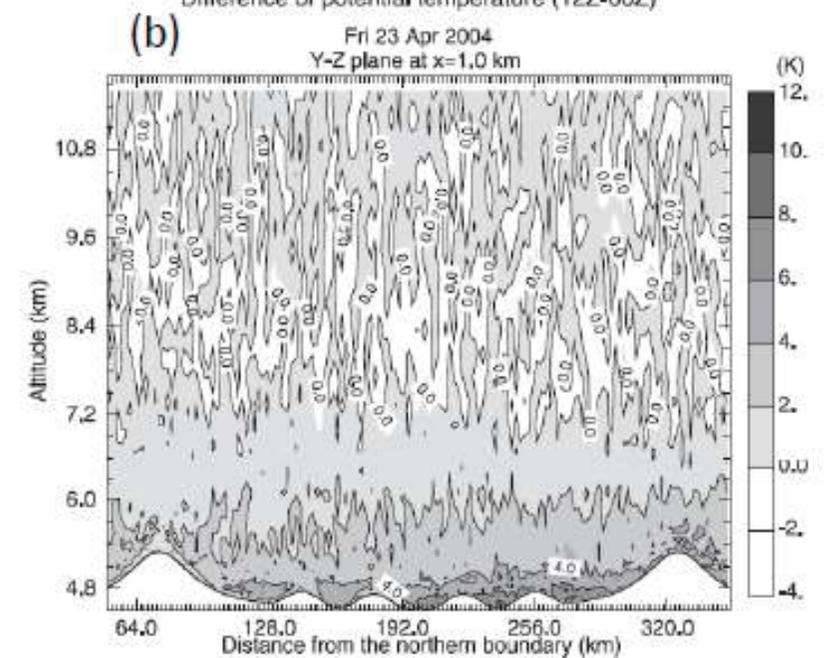
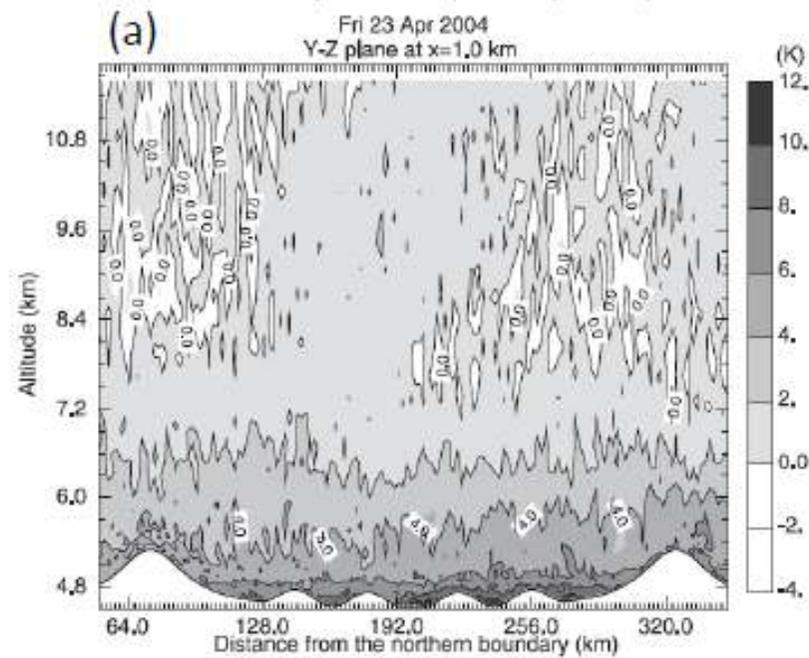
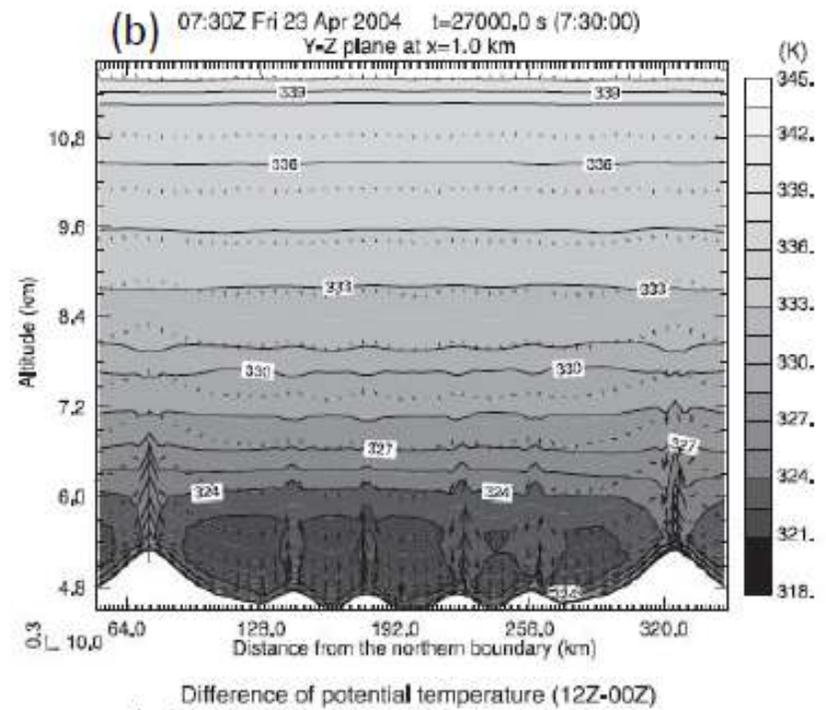
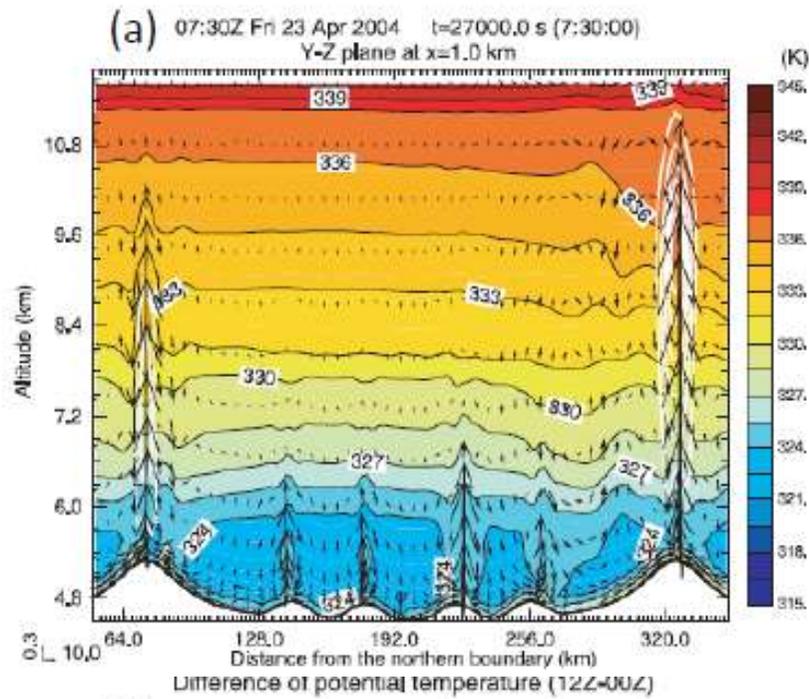


(Taniguchi & Koike, 2007)

Atmospheric Heating over the Tibetan Plateau

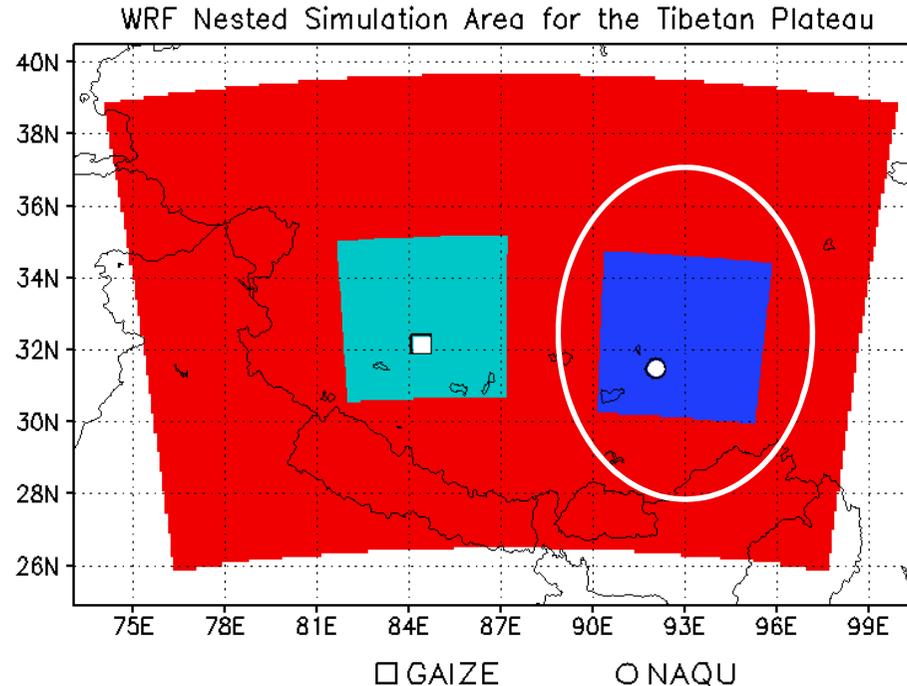


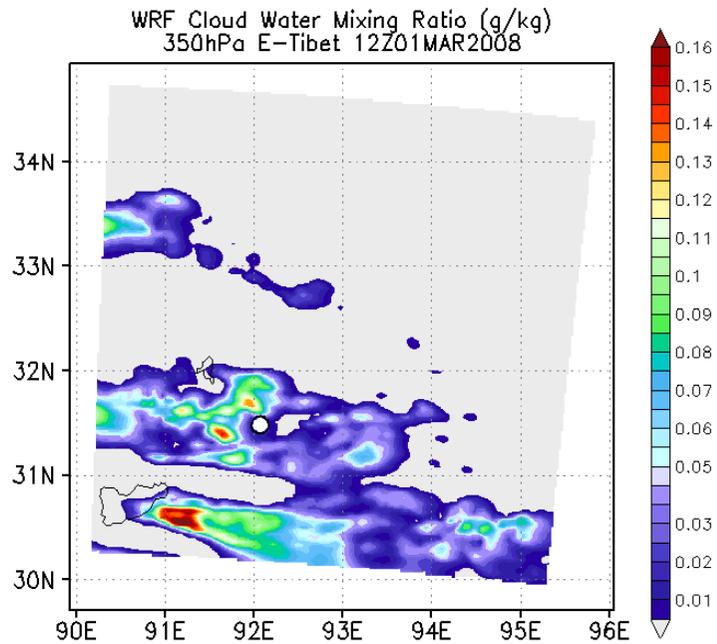
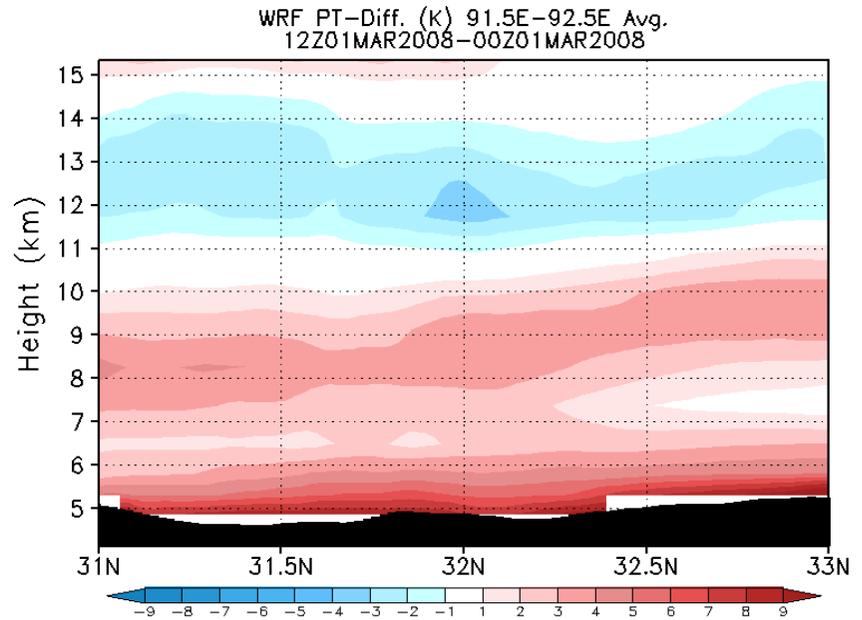
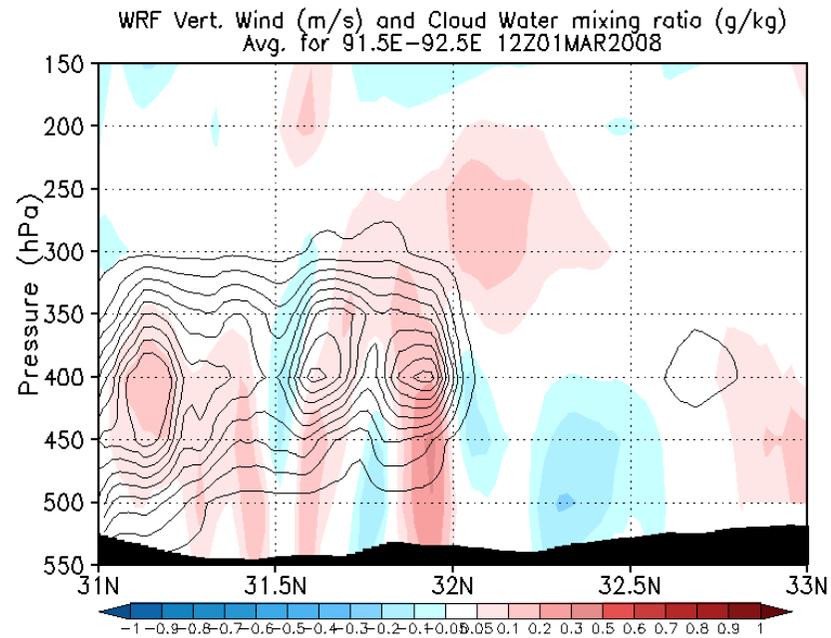
(Taniguchi & Koike, 2007)



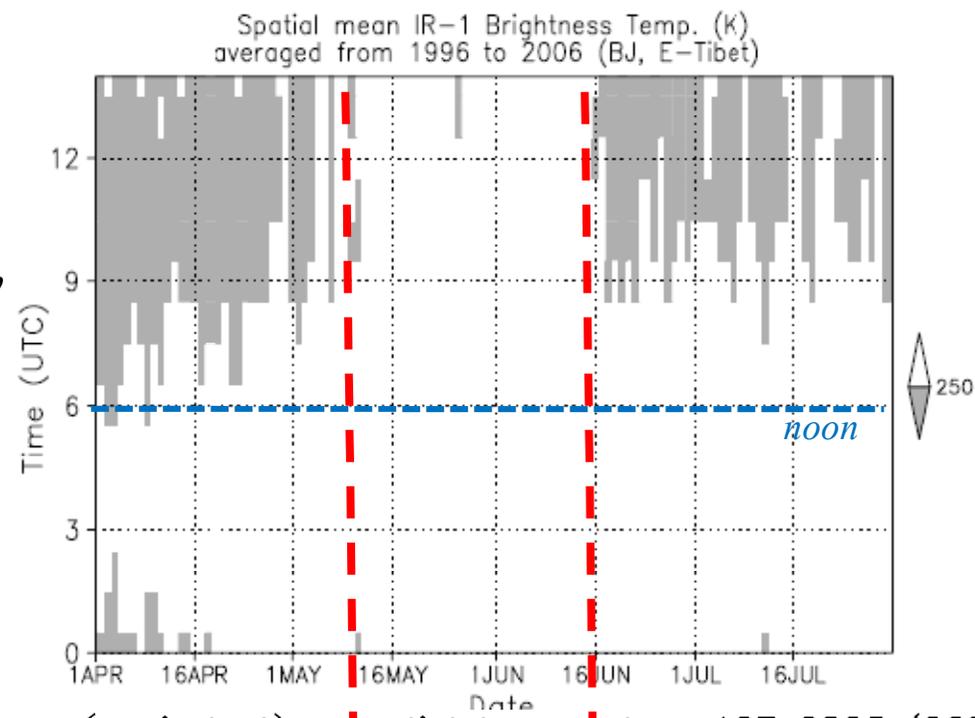
Numerical Experiment by WRF V3

- March 1-3, 2008
- Initial Condition: NCEP FNL
- Area: Two-way Nesting
- Spatial Resolution: Plateau Scale:20km, Mesoscale:5km





Convective Cloud Activity
(Taniguchi & Koike, 2007)



Atmospheric Heating

