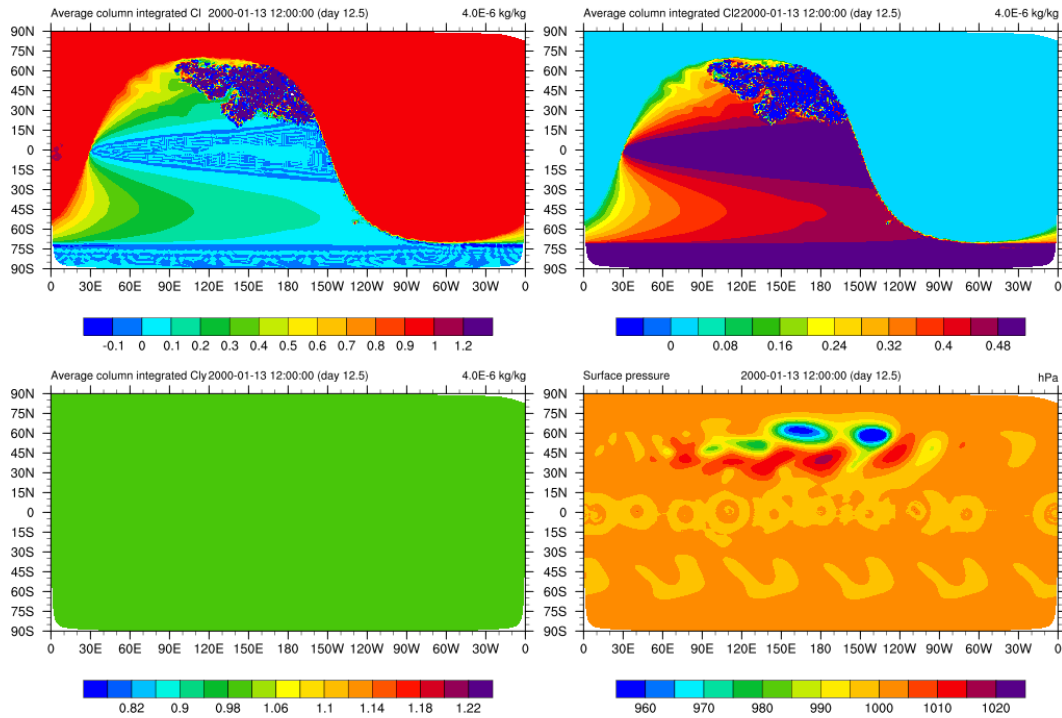
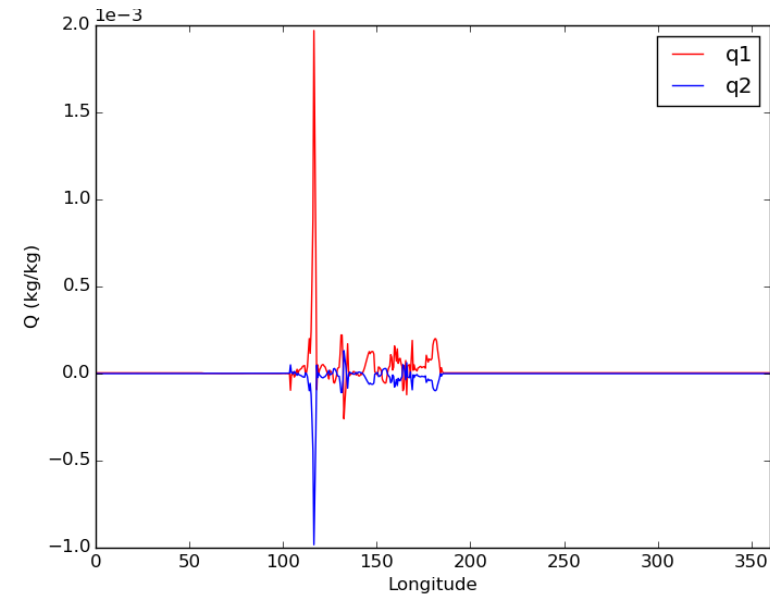


# Starting point

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xsec 50N, z=1km

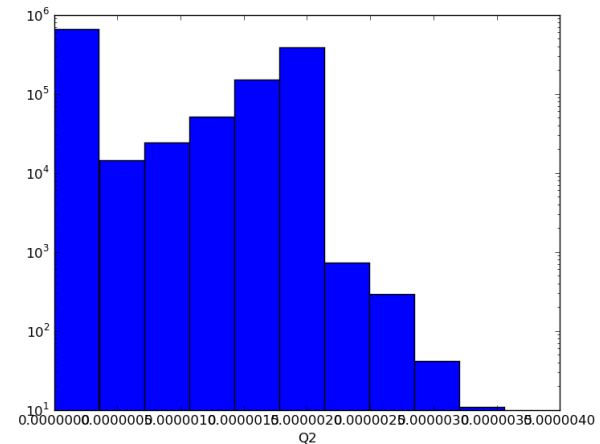
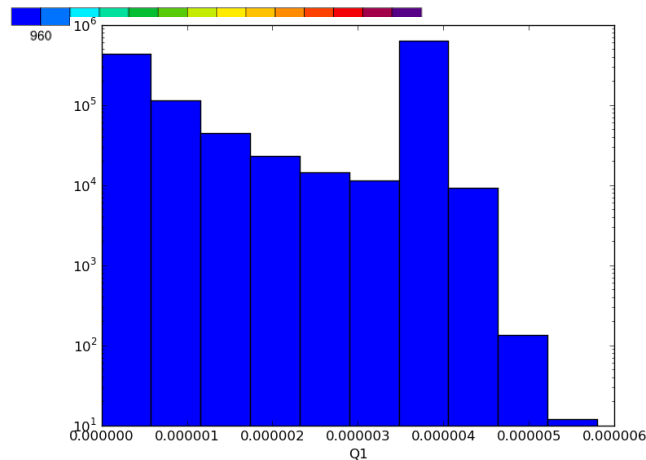
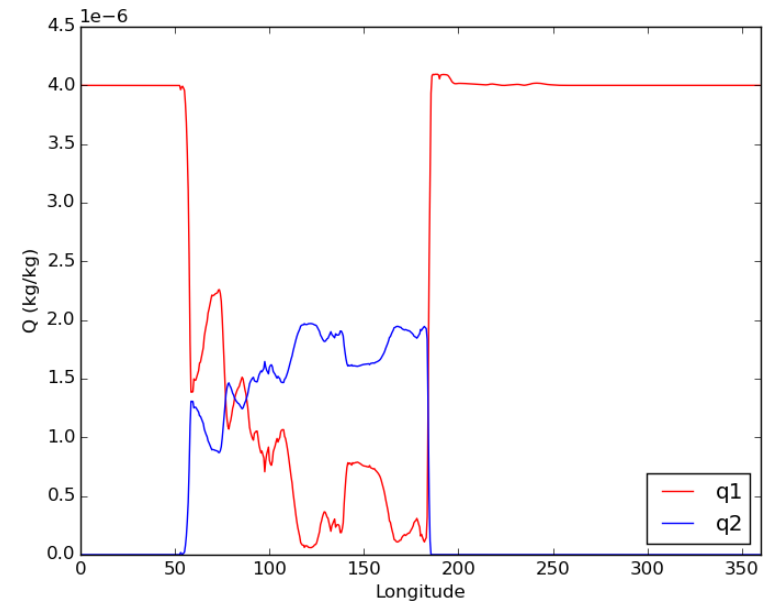
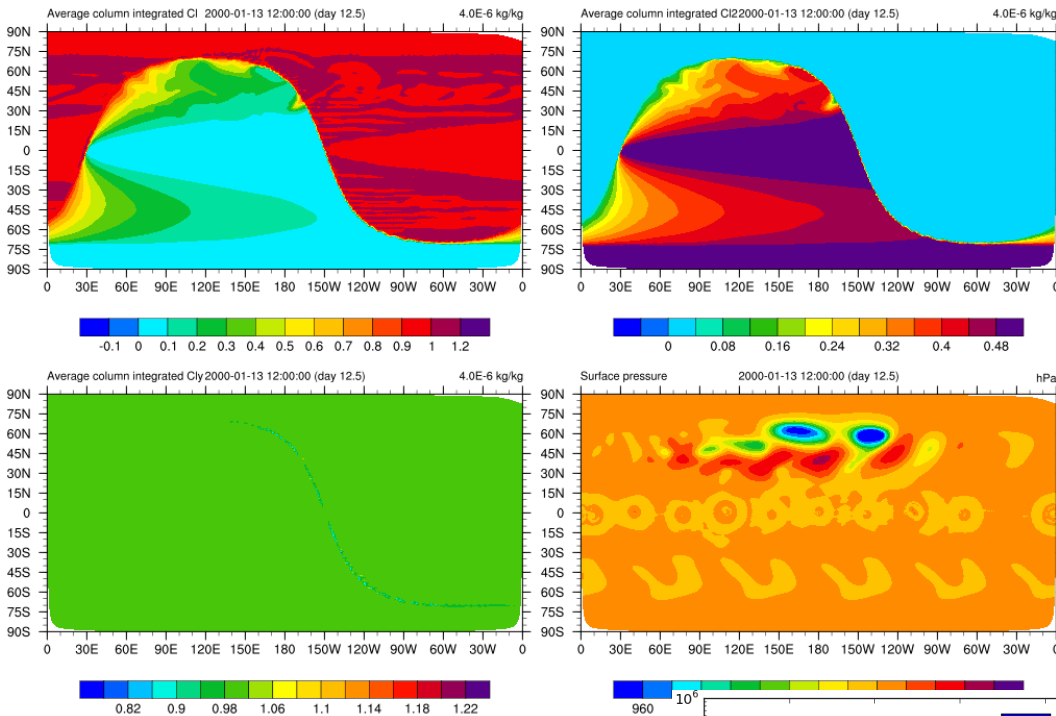


# Exploring...

- Toy chemistry
  - Transport
  - Physics-dynamics coupling
- Baroclinic wave
  - Full simplified physics, no surface/pbl, dry
  - 100km, 50km, nest

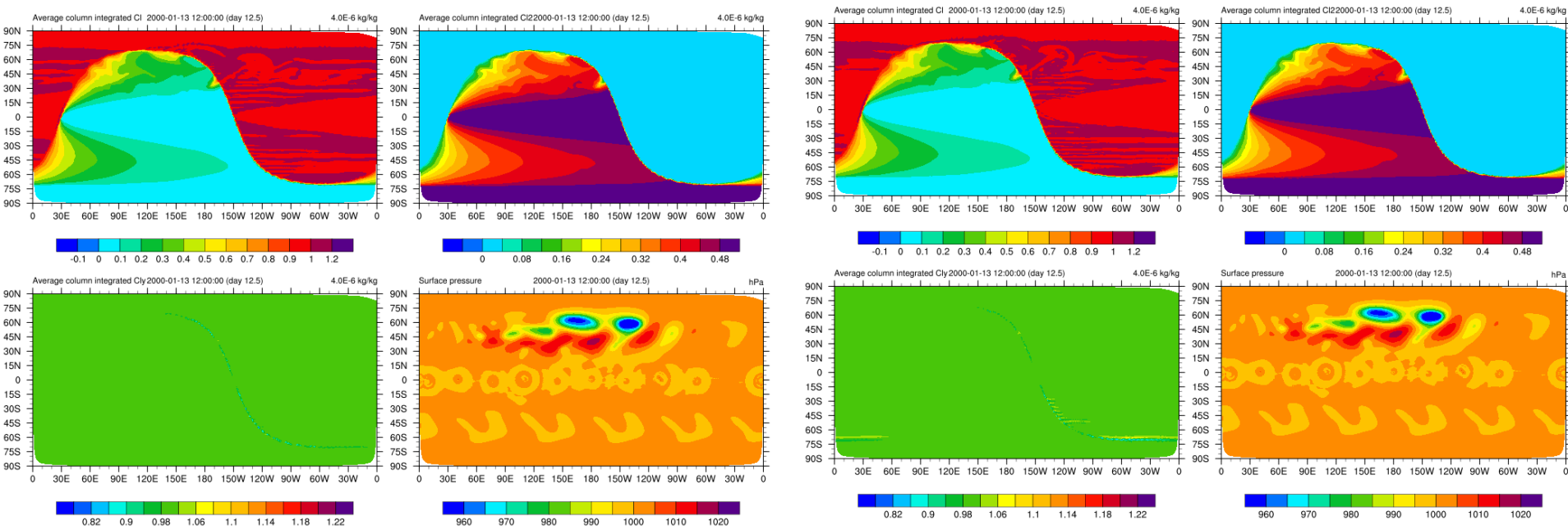
# New control: monotone chem transport

ICON R3B4L30 phy\_chem



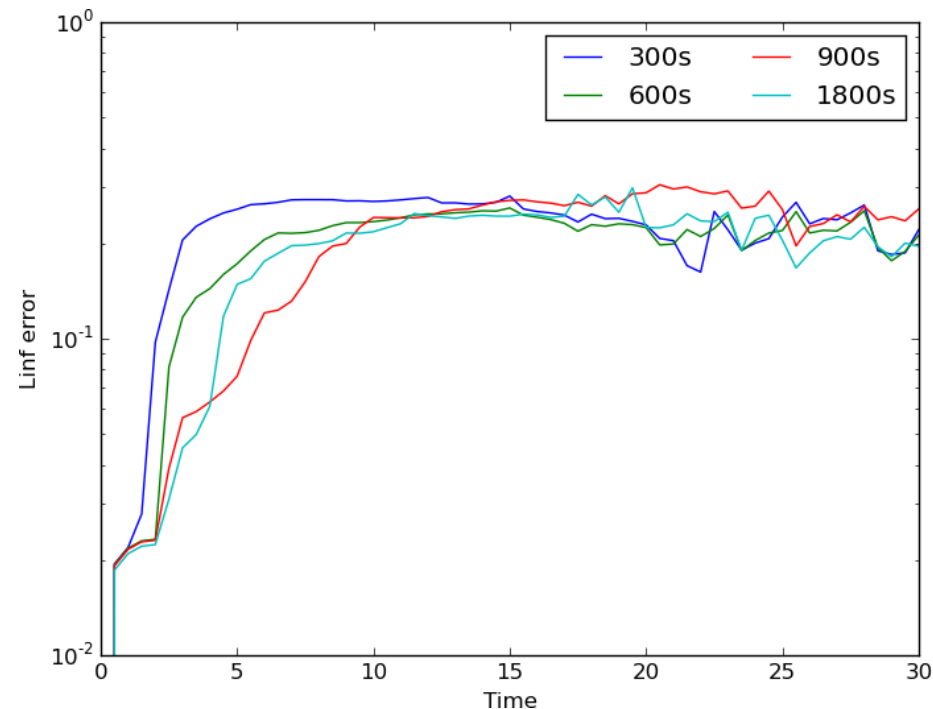
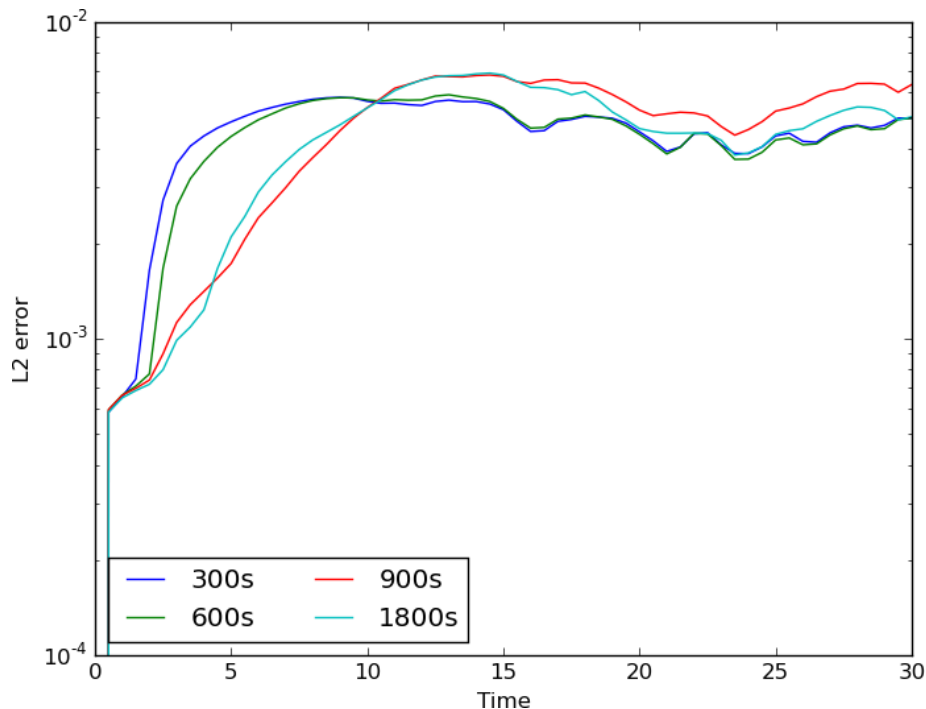
# Sensi to physics coupling: 300s vs 1800s

- dtAdvection 300s; 5 dynamics substeps

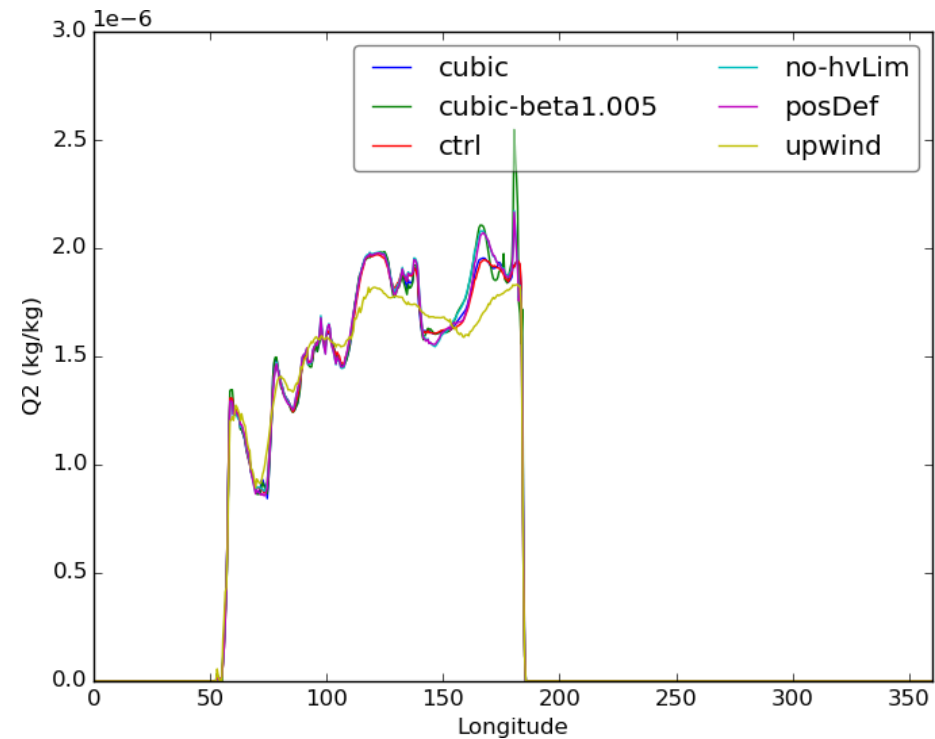
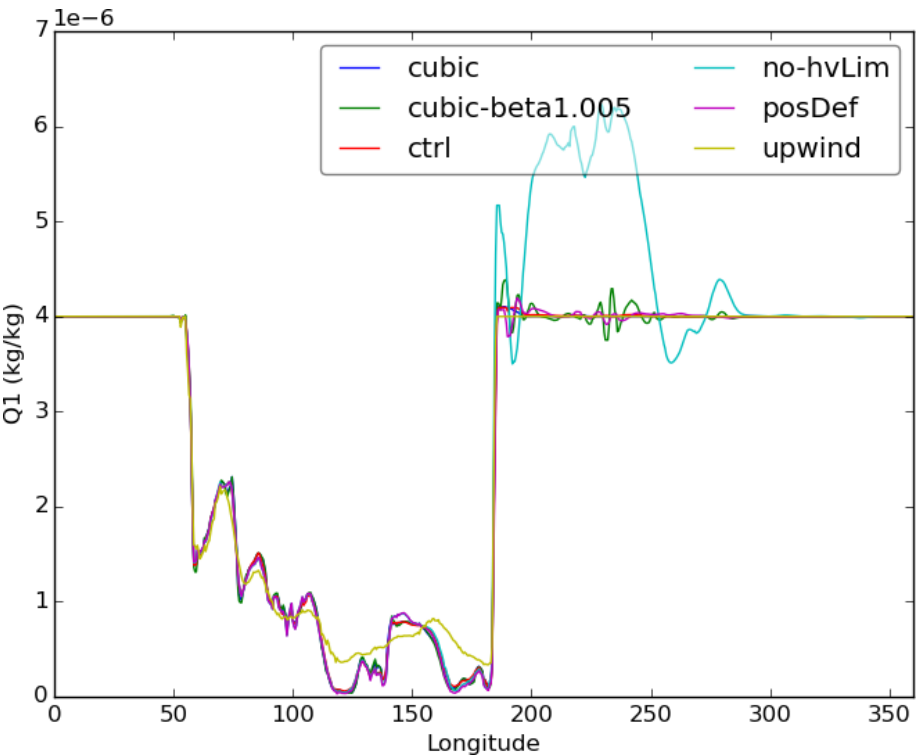


# Sensi to physics coupling: tot col Cly

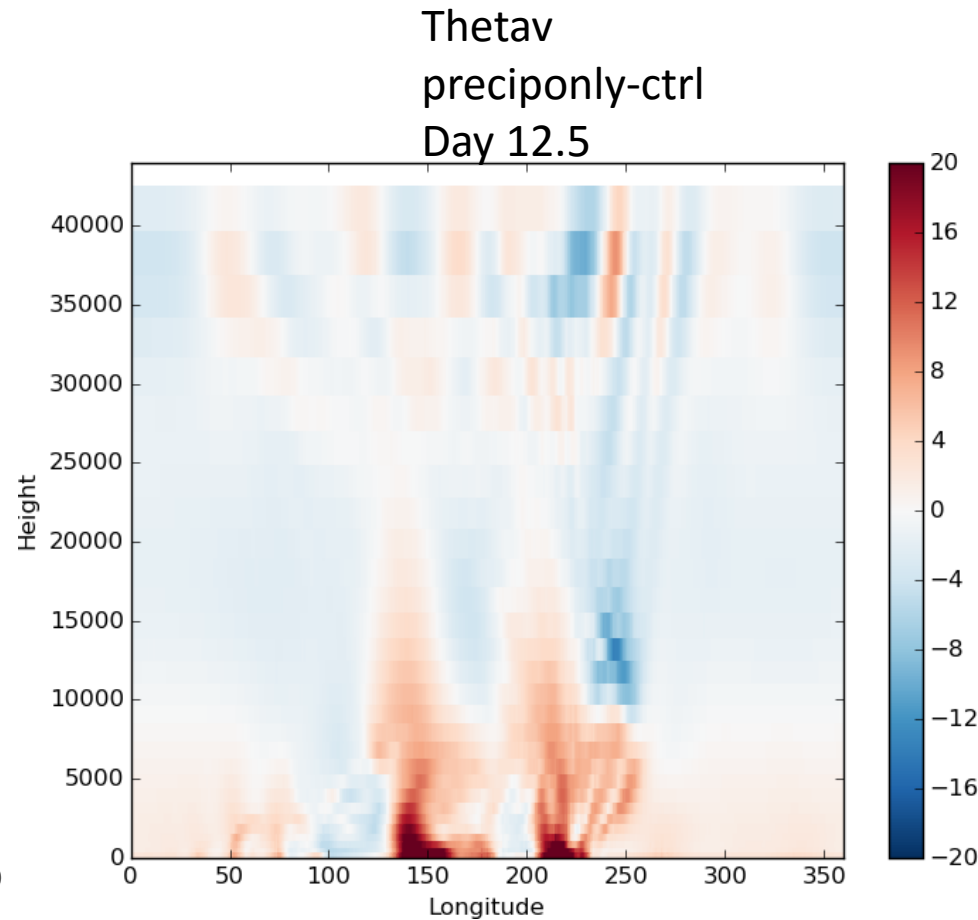
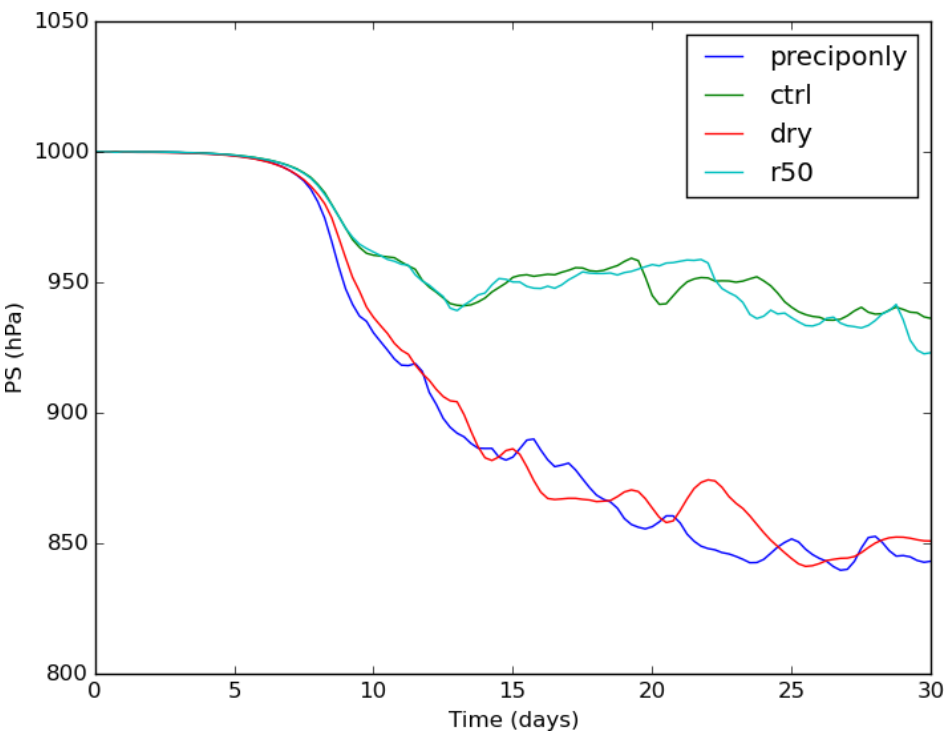
- dtAdvection 300s; 5 dynamics substeps



# Characteristics of transport schemes



# Baroclinic wave



# Favorite picture

