

Contraintes sur ratqs et epmax?

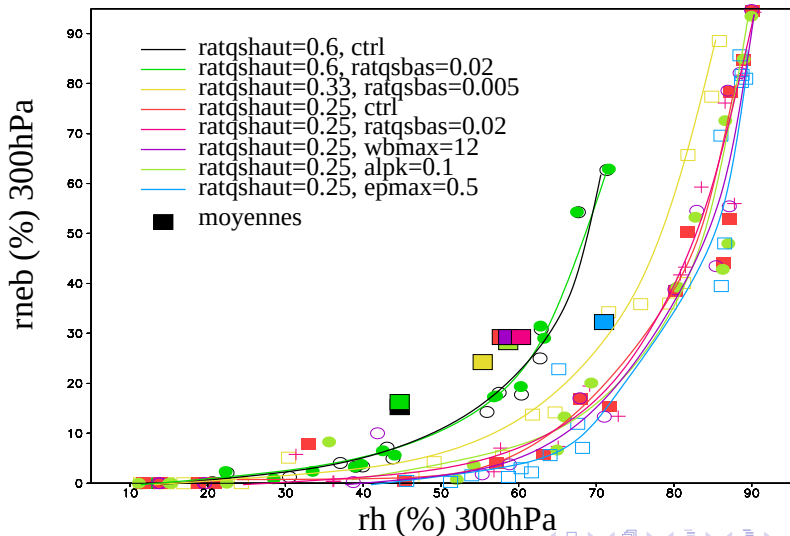
Camille Risi

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8 février 2016: réunion LMDZ6

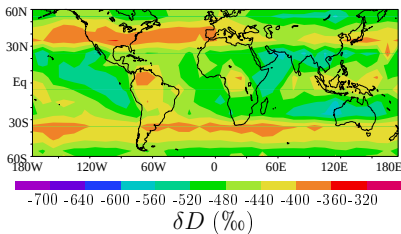
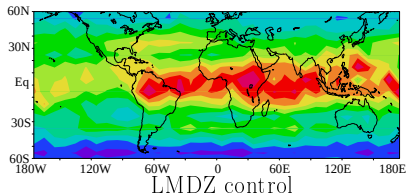
Contraindre ratqs?

- ▶ Inspiré de Quaas et al 2012
- ▶ Simul TWPice, daily:



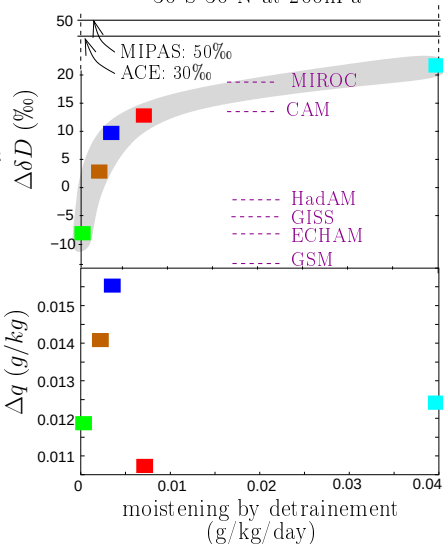
Détrainement convectifs dans la haute tropo

MIPAS data at 200hPa, annual



- control
- vertical advection more diffusive
- stronger condensate detrainment
- less large-scale condensation
- less large-scale precipitation

Difference 15°S-15°N minus 30°S-30°N at 200hPa



Test avec LMDZ

$$\epsilon_p^{max,eff} = \epsilon_p^{max} - coef \cdot \sqrt{CAPE}$$

