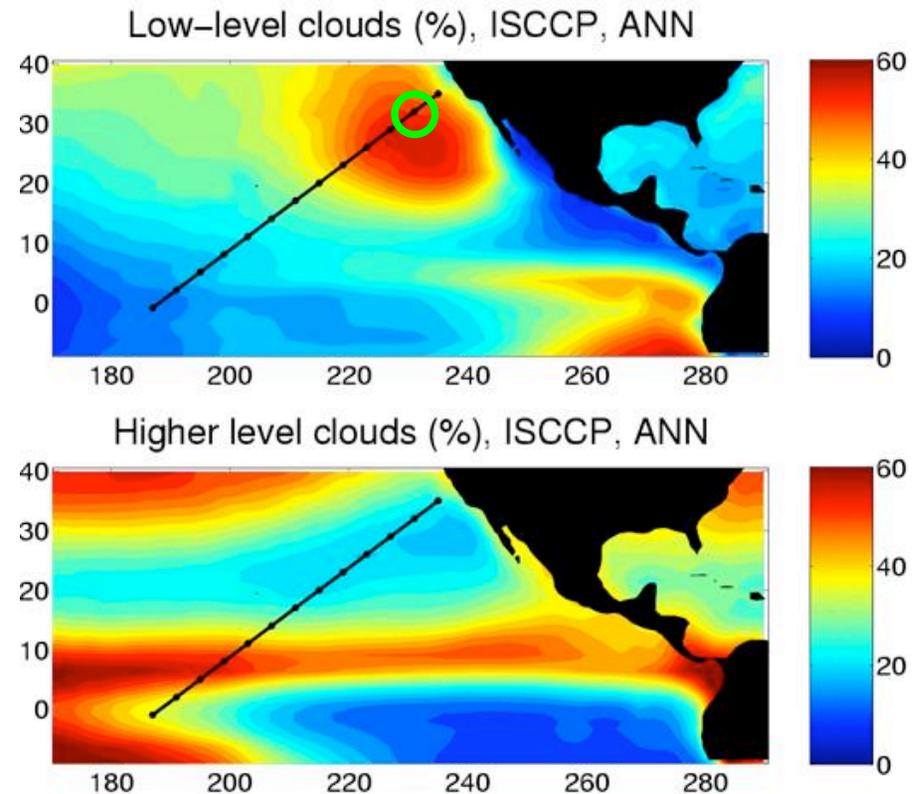


Stratocumulus Clouds



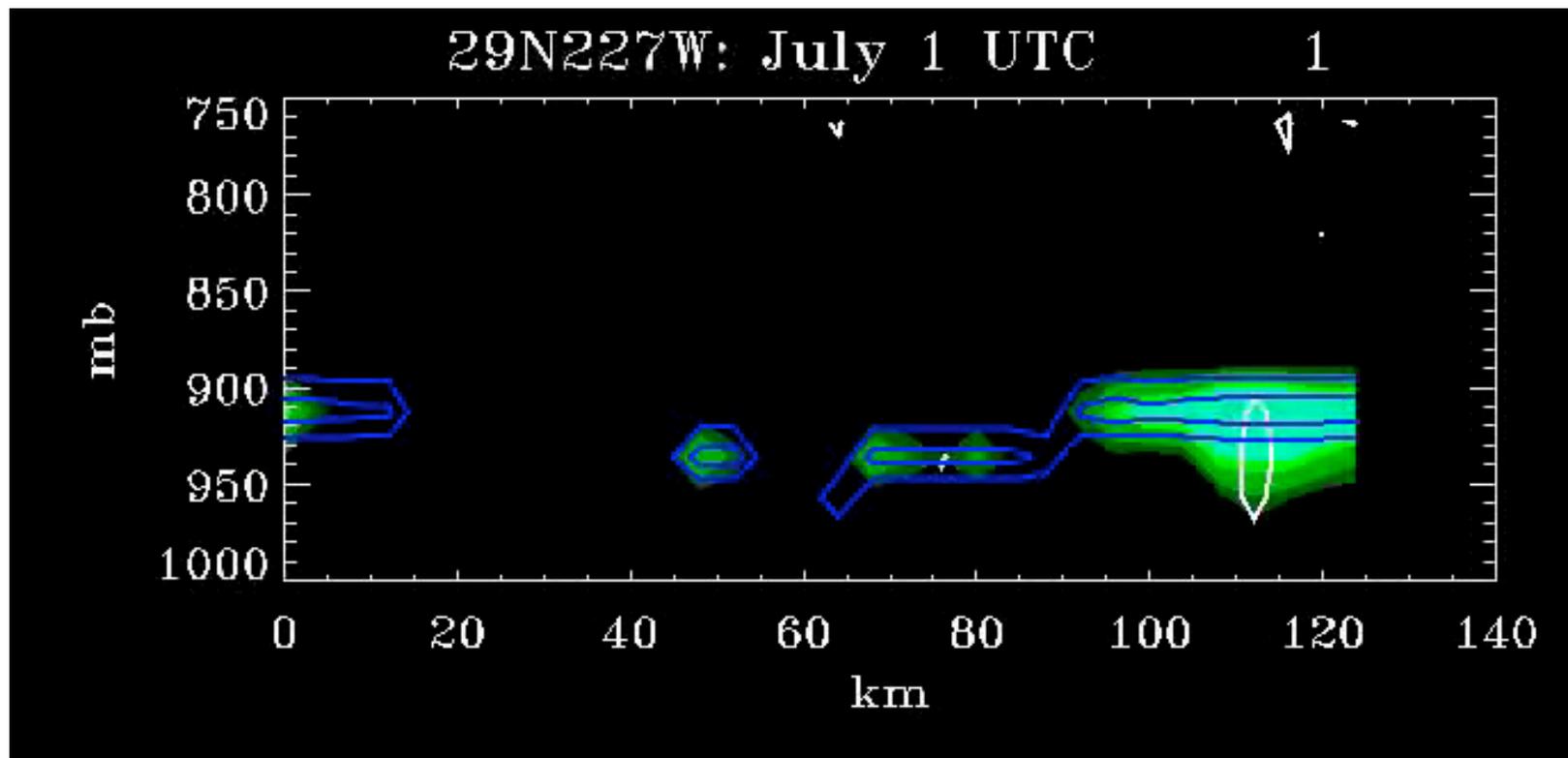
Stratocumulus Clouds

- Highly parameterized in conventional models (CAM)
- A function of surface and momentum fluxes in MMF
- Subject of current GCSS Pacific Cross Section Intercomparison study group

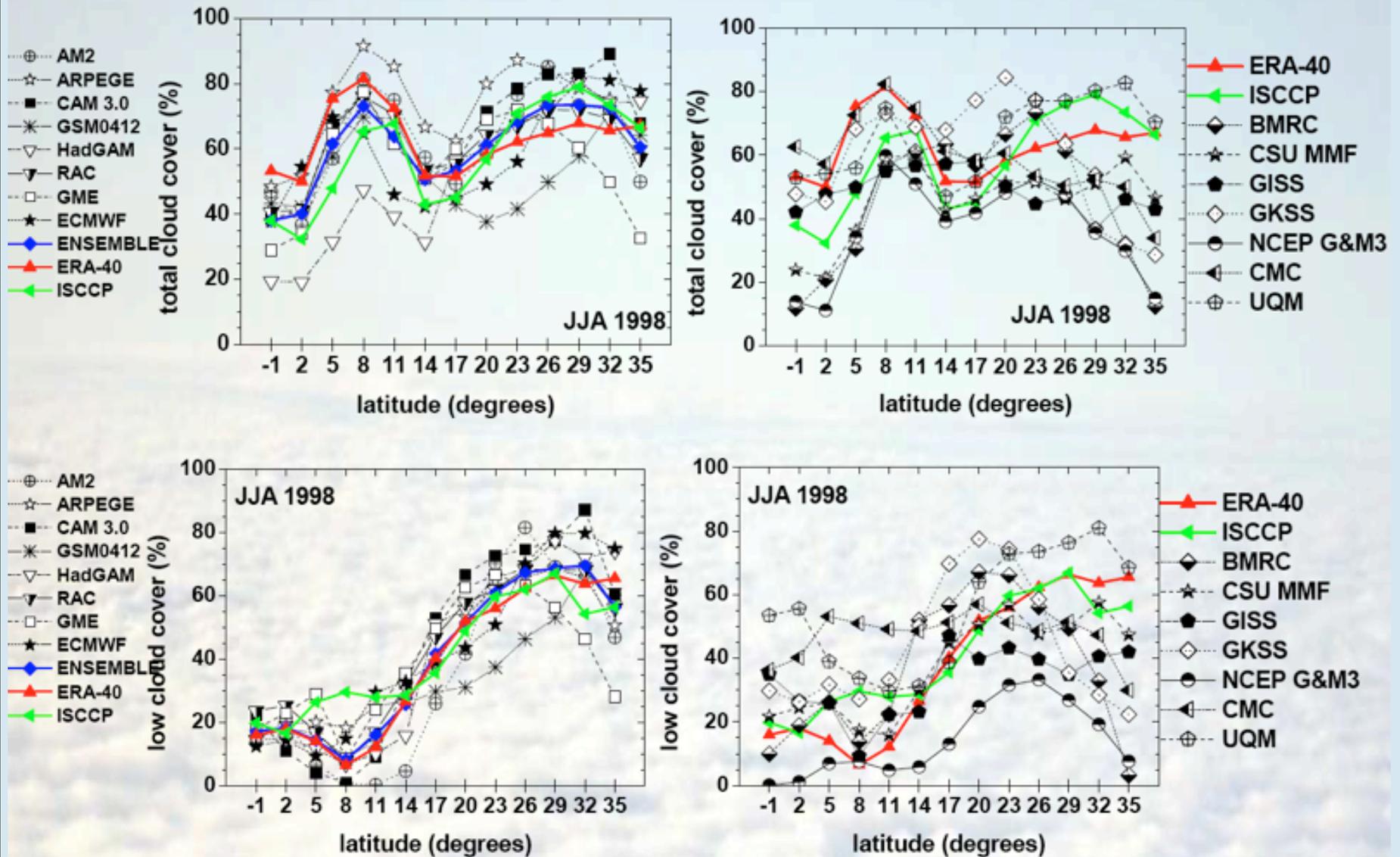


Sc cloud studies with MMF

- With the MMF, we can “look inside” the model and see exactly what the clouds are doing.
- MMF produces realistic Sc clouds without the constraints of the CAM parameterization.

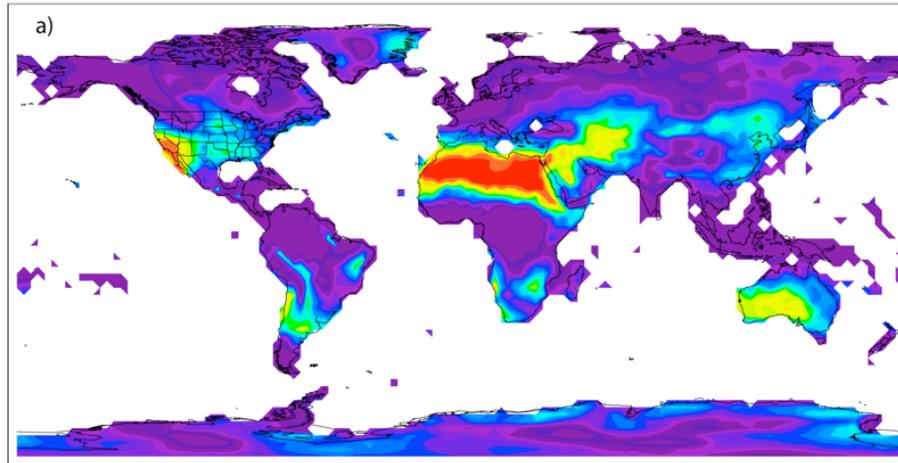


Total and low cloud cover (JJA98)



Global precipitation variability

CAM No. of days for 67% of rainfall



MMF No. of days for 67% of rainfall

