Thèse – S07

Christian Wilkinson

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01

Summary of objectives

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- ARIEL school + summary of lessons + work completed (~2 weeks) - Completed
- Continue learning EOS and interior physics (~2 weeks) - Late
- Have global understanding of Exorem codes (~1 month) – Continuing (J-K curves)
- Have global understanding of Exoris codes (~1 month) – Not started
- Start to use Exorem + Exoris together (~1 month) – Not started
- Start to explore coding P.Tremblin's fingering convection (ATMOS) (~1 month >) - Not started

02

Ariel School summary

Ariel School summary

- Plantary atmospheres - Thermodynamics
  - Equilibrium/Disequilibrium/Photo Chemistry
- Atmosphere dynamics
  - Circulation cells, adiabatic and non adiabatic gradients
- Links between solar system and exoplanets
  - Escape models, Cloud microphysics, Radiatif transfer
- Imaging – Hubble
- Intro to Baysean statistics
- Turorials
  - GCM, chemistry models, retrieval (Taurex)
- Practice sessions
  - Building transmission spectrums
  - Retrieving planet with spectrums

03

Further work, conclusion, discussion

Further work, conclusion, discussion

- Continue learning EOS and interior physics (~1 week)
- Have global understanding of Exorem codes (~2 weeks)
- Have global understanding of Exoris codes (~2 weeks) - (Friday meeting with S. Mazevet)
- Start to use Exorem + Exoris together (2 months)
- Start to explore coding P.Tremblin's fingering convection (ATMOS) (~1 month >)