Dynamical Frameworks Breakout, I

• AA & JHJ
  > Q3D MMF
  > “Fully coupled” tests
  > “Selective damping” on horizontal wind
  > Good results from many fields
  > Mesoscale organization not realistic
  > Next step is to add two more rows of predicted fields
    along each CRM “line”
  > Hope to have this ready by January

• CK
  > Parallel VVM
    * Will be supported
    * New, faster radiation
  > Hex VVM
    * Issue with wind
    * Issue with vorticity advection
    * Almost finished
Dynamical Frameworks Breakout, 2

- Ross Heikes
  - GCRM, based on Hex VVM
  - Many components already finished and tested
  - Vorticity advection main remaining issue
  - Scaling tests
  - Hope to complete code by September
- Hiro Miura working on Equatorial beta plane version of VVM

- Summary
  - All dynamical frameworks nearing completion
  - Ready for parameterization testing in parallel VVM