New Features in Version 3.5

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NCAR/MMM

WRF Community Model

- Version 1.0 WRF was released December 2000
- Version 2.0: May 2004 (NMM added, EM nesting released)
- Version 2.1: August 2005 (EM becomes ARW)
- Version 2.2: December 2006 (WPS released)
- Version 3.0: April 2008 (add global ARW version)
- Version 3.1: April 2009
- Version 3.2: April 2010
- Version 3.3: April 2011
- Version 3.4: April 2012
  - Version 3.4.1: August 2012
- Version 3.5: April 2013

New Physics Options in Version 3.5

- CESM microphysics Morrison-Gettelman

- CLM4 (Community Land Model)

- Grell-Freitas cumulus

- Grenier-Bretherton Mixing PBL

- GRIMS shallow convection

- 3d simple PWP (Miami) ocean model

- WRF-Hydro coupling (hydrological model coupling)

Other New Capabilities In Version 3.5

- Climatological ozone and aerosols for RRTMG radiation

- Updating capability for CO_2, CH_4, etc., in long climate runs

- NSSL storm diagnostics (max w, etc.)

- Trajectory parcel-following diagnostics

- Profile time series

- Lightning diagnostic

- NUDAPT data for urban models (US cities)

- New MODIS monthly vegetation fraction (30" res)

Thanks