RTFDDA Cycles

Current ATEC RTFDDA configurations run cycles every 3 hours, at 02Z, 05Z, 08Z, etc. This timing is based on data availability.

• 1, 2 or 6 hour cycle intervals are sometimes used
  – For rapid real-time updates (1 or 2 hour cycles)
  – For longer forecast output options (6 hour cycles)

• Precise cycle timing depends on
  – cluster compute-power
  – forecast length goals
  – data availability

• Output products generally use “the latest available” for the requested valid time
  – This assumes that the latest available is the most accurate
Anatomy of a Cycle

Pre-process Obs

FDDA Final Analysis

Process Add’l Obs

Prelim + Forecast ...

MM5 running...

Longer or shorter for different cycle intervals