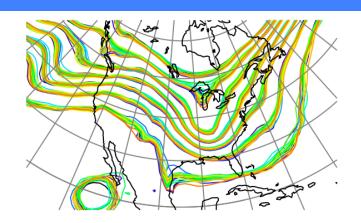


DART Tutorial Section 22: Parallel Algorithm Implementation





©UCAR 2014





This tutorial section has not yet been updated for the Manhattan release of DART.

A new version is expected in April 2017.

Section 12: 2 of 42

DART Tutorial Index to Sections

- 1. Filtering For a One Variable System
- 2. The DART Directory Tree
- 3. DART Runtime Control and Documentation
- 4. How should observations of a state variable impact an unobserved state variable? Multivariate assimilation.
- 5. Comprehensive Filtering Theory: Non-Identity Observations and the Joint Phase Space
- 6. Other Updates for An Observed Variable
- 7. Some Additional Low-Order Models
- 8. Dealing with Sampling Error
- 9. More on Dealing with Error; Inflation
- **10.** Regression and Nonlinear Effects
- 11. Creating DART Executables
- 12. Adaptive Inflation
- 13. Hierarchical Group Filters and Localization
- 14. Quality control
- 15. DART Experiments: Control and Design
- 16. Diagnostic Output
- 17. Creating Observation Sequences
- 18. Lost in Phase Space: The Challenge of Not Knowing the Truth
- 19. DART-Compliant Models and Making Models Compliant
- 20. Model Parameter Estimation
- 21. Observation Types and Observing System Design
- 22. Parallel Algorithm Implementation
- 23. Location module design (not available)
- 24. Fixed lag smoother (not available)