



Award #: 1835511

CSSI Element: Cloud WRF for the Atmospheric Research and Education Communities



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Weather Research and Forecasting (WRF) Model: Numerical weather prediction model for both meteorological research and weather forecasting

WRF— Most popular weather model in the world: ~50,000 registered users in 175 countries

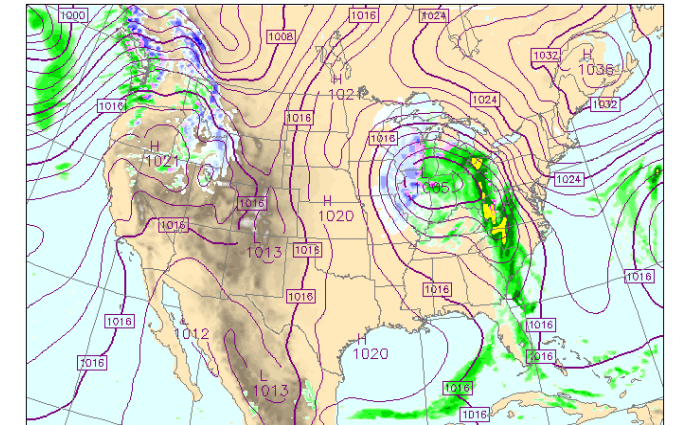
Project Aim: Exploit cloud computing for WRF support & development

Project Methods

- (i) Work with CSPs to test and establish a supported version of cloud WRF and a WRF code cloud testing capability
- (ii) Partner with universities to train students in cloud WRF usage

Project Components

- (i) WRF system & configurations in cloud environments
- (ii) Cloud WRF tutorial
- (iii) Cloud-based new WRF code testing capability



WRF 48-h Forecast

Valid: 0000 UTC 25 Jan 2020



WRF Cloud Code Testing



WRF: www2.mmm.ucar.edu/wrf/users

NSF CSSI PI Meeting, Seattle, WA, Feb. 13-14, 2020

Cloud-Based WRF Tutorial

