CCPA (V3.0) Upgrade for CONUS
Project Status as of 03/06/15

G Project Information and Highlights

Lead: Yuejian Zhu, Yan Luo EMC, Becky Cosgrove, NCO
Scope:
- Model – Climatology-Calibrated Precipitation Analysis (CCPA) system version 3.0
- Sciences:
  - Update regression coefficients based on 12-year (vs. 7-year) of training data sets of CPC gauge based analysis and STAGE IV multi-sensor estimation
  - Statistically adjust STAGE IV towards CPC analysis
  - Linear regression is applied at 0.125 degree resolution and 24h accumulation
- Output
  - Converted back to HRAP grid and 6 hour accumulation
  - Interpolated to1.0, 0.5, 0.125 degree and NDGD grids (2.5km?)

Expected Benefits:
- Improved analysis quality with extended training data

G Issues/Risks

Issues:

Risks:

Mitigation:

> Resource estimation:
> 2 nodes for 10 minutes

G Scheduling

Milestone (NCEP)	Date	Status
Initial coordination with SPA team	05/01/2015	complete
EMC testing complete/ EMC CCB approval	06/15/2015 → 6/25/15	
Initial Code Delivery to NCO	06/19/2015 → 7/01/15	
Technical Information Notice Issued	07/01/2015	
SPA begins prep work for 30 day test	06/22/2015 →7/06	
30-day evaluation begins	07/20/2015 →8/03	
30-day evaluation Ends	08/18/2015 →9/01	
Management Briefing	09/04/2015 → 9/11	
Operational Implementation	09/08/2015 → 9/15	

G Finances

Associated Costs:

Funding Sources: EMC Base: T2O 3 Man-months; NCO Base: 0.2 man-months for implementation, 0.2 man-month annually for maintenance

R Management Attention Required	**Y** Potential Management Attention Needed	**G** On Target