

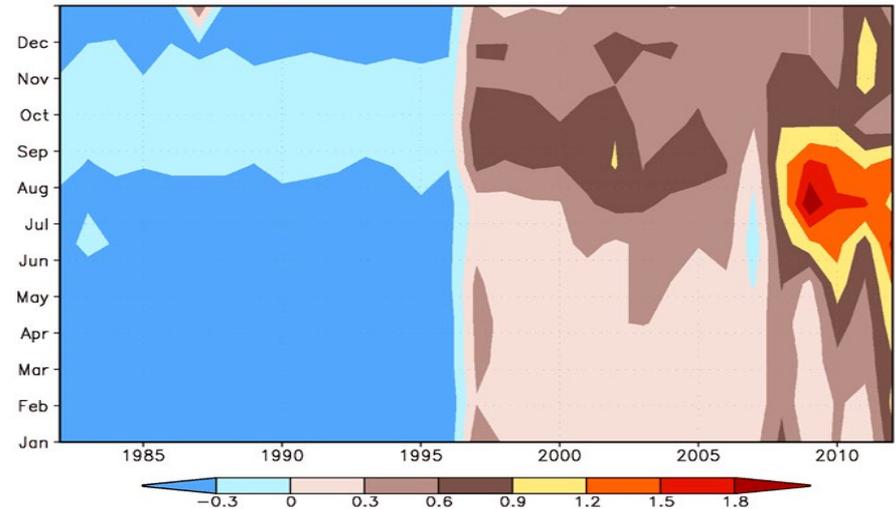
CPC Needs from UFS

CPC has a diverse mission that relies on the NCEP modeling suite:

- (1) Dissemination of climate outlooks spanning multiple time scales
- (2) Climate monitoring and assessment products for short-term climate variability and teleconnections in realtime (ENSO, MJO, AO, etc.)

Greatest Needs in Construction of the UFS:

- (1) Precipitation guidance across time scales (Weeks 2-4 to seasonal)
- (2) Mitigation of analysis discontinuities
- (3) Stratospheric resolution and model top
- (4) Climate re-analysis for monitoring applications
- (5) Hybrid GODAS



Differences in sea ice extent between CFSR and NSIDC. Two significant jumps: One in 1997 and the other in 2008.

CPC Involvement in Development of UFS

Present:

- Good collaboration on development and testing of GEFS and hybrid-GODAS:
 - CPC provides technical consultation and model evaluation and verification.
- Limited to no collaboration on development or testing of UFS-Seasonal (CFS-Next) model.

Future:

- CPC is ready, willing, and able to provide similar support for the developing and testing of the UFS-Seasonal model.