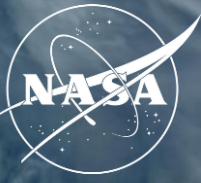
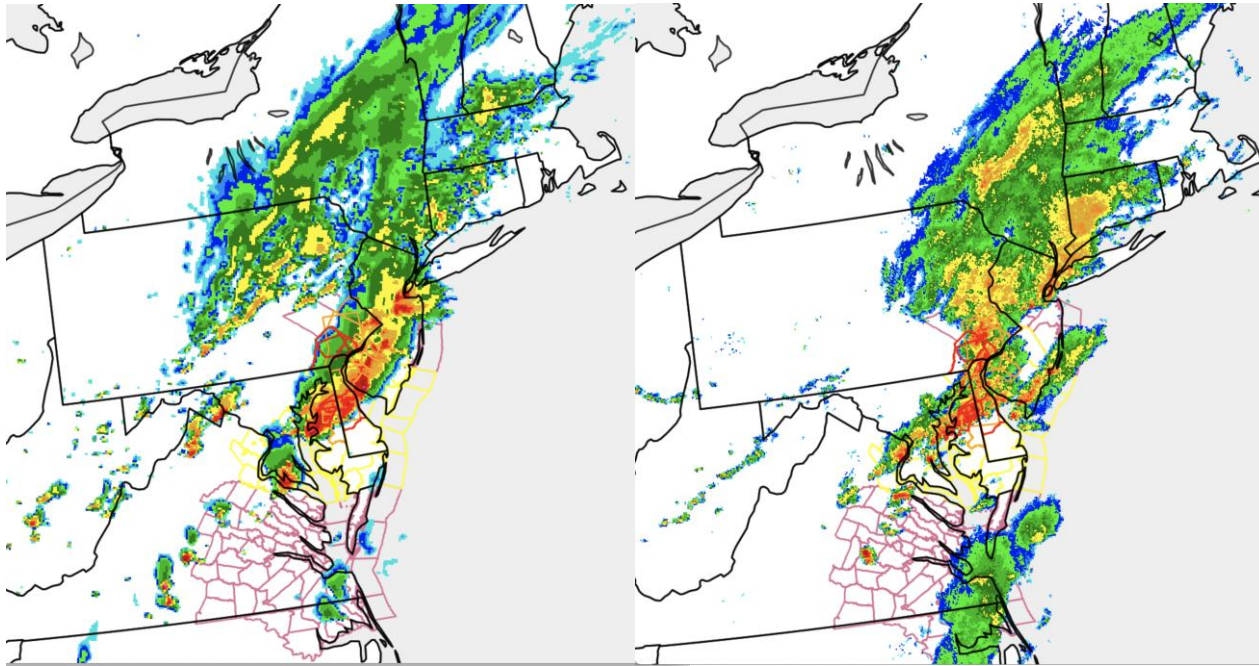


Observations for Evaluating Model Precipitation



- Communication and collaboration between model developers and observation teams (PC Bob Adler, years ago!)
- Supporting physical processes – latent heating profiles, boundary layer processes, aerosol interactions
 - Data Assimilation impact
- Reconciling the observations representativeness relative to the model grids, space and time, and distribution (Extreme events to light or no rain)



GEOS-CAM (2km) precipitation reflectivity 22hr forecast compared to radar for evening of 8/20/2026 (courtesy Bill Putman GMAO) – as the resolution increases, objective evaluations will be even more challenging

