Weeks 2-4 severe weather project meeting

Date: 02/09/2018; noon – 1 PM

Attendees: Brad Pugh, Steve Baxter, Alima Diwara, Mike Halpert, Hui Wang, Arun Kumar, Dan Harnos, Matt Rosencrans

Agenda:

noon - 12:25 PM : Hui Wang - Update on Week 3-4 Severe Weather Project  
12:25 - 1 PM: Discussion

Notes from the meeting:

* Initial efforts focused on Week 1 and Week 2 forecasts based on GEFS. The analysis completed so far included
  + Development of a forecast tool for LSR3 (Local Storm Reports) based on the GEFS prediction of SCP (Supercell Composite Parameter)
  + Validation of forecast skill based on GEFS hindcast database
  + Ongoing development of a real-time forecast for LSR3 based on 80-member ensemble
* Related to this project there are Policy questions (e.g., who would own the "forecast," SPC or CPC; what the messaging should be etc.) and Science questions (what the skill level is and is there a basis for making forecasts; at what threshold value of SCP forecast should be made etc.)
* The GEFS based forecast for severe weather may be more relevant for probabilistic hazard outlook
* A suggestion was made to develop an LSR3 outlook for days 8-10, 10-12 and 12-14. This product can feed into CPC's daily hazard outlook.
* A point was noted that Ashton Cook from SPC is no longer the POC for the CPC efforts related to severe weather outlook.

Actions

* Similar to the LSR3 forecast developed for Week-1 and Week-2 average, develop a GEFS based LSR3 product for days 8-10, 10-12 and 12-14 average. This would require repeating the analysis done for Week-1 and Week-2 forecasts for LSR3.
* Once forecasts (and skill assessments) for LSR3 product for days 8-10, 10-12 and 12-14 average is completed, set up the next discussion meeting.