

Revised agenda: 12 August 2013

Week 1 - Basic Observations and Applications

		5 Aug (Mon)	6 Aug (Tue)	7 Aug (Wed)	8 Aug (Thu)	9 Aug (Fri)
am	Session 1	Introductions, Forecast Challenges in S. America (Campetella, Saulo)	Polarimetric Radar (Zawadzki, Wilson)	Part I: Quantitative Precipitation Estimation (QPE) (Zawadzki)	Severe Weather Detection (Joe)	Part II: QPE Techniques (Zawadzki, Wilson)
	Session 2	Radar Basics & Interpretation (Wilson, Roberts)	Polarimetric Radar (Zawadzki, Wilson)	Lab: QPE (Zawadzki, Salio)	Lab: Case study combining polarimetric radar (Zawadzki, Mezher)	MCS and severe weather in SESA (Salio)
pm	Session 1	Storm Detection & Extrapolation Techniques (Roberts)	Satellite Basics (de Coning, Teleconf)	Lab: Satellite/NWP Instability Nowcasting (Joe, de Coning Teleconf)	Lightning Detection & Applications (Morales)	CARDS System (Joe)
	Session 2	Sounding Review & Analysis (COMET module) Lab 1: Storm Extrapolation Lab 2: Stability and Storms (Wilson, Roberts)	Satellite Applications & NOAA Products (Goodman, Teleconf)	Argentina Radars (INVAP)	Lab: Lightning Applications & severe weather (Morales)	Lab: Argentina Severe Wx Case using CARDS (Joe, Campetella)

Week 2 - Nowcasting Concepts, Applications and Systems

		12 Aug (Mon)	13 Aug (Tue)	14 Aug (Wed)	15 Aug (Thu)	16 Aug (Fri)
am	Session 1	Science of Nowcasting (Wilson)	Nowcast Process & Conceptual Models (Wilson)	Developing a Heuristic Nowcast System (Roberts)	Discussion of requested topics (All)	Forecast Verification (Saulo & Ruiz)
	Session 2	Lab: Nowcasting Thunderstorms, Case I (Wilson, Roberts)	Lab: Nowcasting Thunderstorms, Case II (Wilson/Roberts)	Nowcasting Using Heuristic Rules (Wilson, Roberts)	Ensemble and probabilistic forecasting (Saulo & Ruiz)	Lab: Forecast verification (Saulo & Ruiz)
pm	Session 1	Lab: Severe Weather case (Hail, gustfronts, tornadoes, bow echoes) & algorithms (Joe)	Part II: NWP Models, Data Assimilation, & Applications (Jenny Sun via video conf)	Free	Scale dependence of nowcasting skill by Lagrangian persistence and by NWP (Zawadzki)	Building & designing nowcasting capabilities in S. America and role of forecasters (all)
	Session 2	Part I: NWP Mesoscale Models & Assimilation (Ruiz, Saulo)	Blended Nowcast Systems (Wilson, Zawadzki)	Free	Hi-res Ensemble Prediction system at AEMET (García-Moya Zapata)	Workshop wrap-up & closing