

Agenda for Residence Training on Climate Services Operations

	NWS TC Lecture Room 127	NWS TC Lab Room 123	
Time	Tuesday, April 26	Wednesday, April 27	Thursday, April 28
8 – 12	Introduction (8-8:10) Bair (8:10 – 9:00) Horsfall Know CFP role and functions, Mapping CFP functions to the course agenda Climate Observations I (9:15 – 10:30) Karsten Shein. Know how to ensure on site QC for NCDC climate data and how to report data problems using Datzilla; explain what impact integrity has on climate observations.	Climate Variability (8:00-9:00) Staudenmaier. Explain meaning, applicability and relevance of ENSO phenomenon to customers	CPC Seasonal Forecast Verification (8:00-8:45) Timofeyeva Explain to customers where, when and how skillful the CPC seasonal forecast is
	Climate Observations (10:45- 11:15) Mayes Follow referral procedures for climate data distribution		Local Climate Analysis Tool Timofeyeva (8:45-10:00) Participate in Local Climate Analysis activities <ul style="list-style-type: none"> • Know principles of methodology for local climate analysis: composites and trends • Become familiar with the LCAT • Potential use of local climate studies to enhance local office climate programs
	Climate Observations II (11:15 – 11:45) Karsten Shein. Know how NWS regional and local offices will participate in NCDC led projects on NOWData, ThreadEx and Health of the Network	Climate Variability (9:05-10:00) Staudenmaier Know how to use ESRL website to develop ENSO related web graphs and how to use NCDC data in separation and analysis ENSO active and neutral events	Local Climate Products and Tools Bair (10:15-11:00) Deliver Local 3-month Temperature Outlook (based on downscaling) <ul style="list-style-type: none"> • Identify role of local office in the L3MTO release • Explain L3MTO product interpretation and methodology to customers • Guide consumers in potential use and application of the products.
		Climate forecast terminology (10:15-11:45) Hartmann Explain and apply climate forecast terms (e.g. meaning of categorical and probabilistic forecast, forecast confidence, use of EC, etc.)	Local L3MTO Lab Bair (11:15-12:00) L3MTO secondary QC
12 – 13	LUNCH starts 11:45 with group picture	WORKING LUNCH: Local Climate Problem Discussion	LUNCH
13 – 17	Climate Observations II (1:00 – 1:30) Karsten Shein. Cont.	Interpretation of CPC climate products (1:00-2:15) Halpert Explain main CPC climate products to local staff and customers (although the main focus will be LRO, other products, e.g. ERF, ENSO and drought monitoring products will be discussed).	Climate Change (1:00-1:50) Staudenmaier Explain meaning, applicability and relevance of climate change to customers. Identify guidelines for addressing inquiries related to climate change
	Lab xmACIS (1:40-2:35) Eggleston Use of xmACIS tool for local climatology studies		Communicating Climate Change (2:00-3:00) Susan Buhr Learn about effective climate change practices Practice new skills in low-risk setting
	Reference to Climate Services Providers and Their Products and Services (2:50-3:40) Timofeyeva Use Reference Tool, access climate information, answer customer inquiries, education of local office staff and customers	Intro to verification (2:30-3:00) Hartmann <ul style="list-style-type: none"> • Use verification terms appropriately • Explain quality of forecast products to local staff and customers 	
	Climate Variability (3:50-4:50) Bair Explain phenomenon of Drought to local office staff and customers, explain standard definitions on NOAA drought indices, be able to identify drought in climate records, know who declared beginning and end of drought state and what is used in making these decisions	Verification tool (3:00-3:45) Hartmann Use the Verification tool to access CPC and Local Climate Product verification statistics, Guide local customers in potential successful use of the forecast information	Local customer outreach (3:15-4:30) Mayes and Adolphson Conduct climate related customer outreach, including local climate products. Know how to organize customer targeted outreach activities and what information is required by different customers' groups
	Day Summary (4:50-5:00) Timofeyeva	Day Summary (4:00-5:00) Staudenmaier	Course Conclusion (4:30-5:00) Timofeyeva

Breaks are not explicitly stated in this agenda, but assumed in the time spans between two consequent presentations.