

Great Lakes Operational Meteorology Workshop

Pyle Center, UW-Madison

24-25 May 2023

Agenda

May 24, 2023	Wednesday	
08:00 – 09:00	Set up	
09:00 – 09:10	Welcome to Madison, Wisconsin! – Logistics	
09:10 – 10:30	Buffalo Holiday Blizzard	
09:10 – 09:50	A Holiday Period for the History Books: Part One – An Overview and Historical Perspective of the Crippling Buffalo Blizzard of 23-27 December 2022	Michael Fries – NOAA/NWS Buffalo, NY
09:50 – 10:30	A Holiday Period for the History Books: Part Two – An Inside View of Operations to Support the Mission and Community	Judith Levan – NOAA/NWS Buffalo, NY

10:30 – 10:45	<i>Break</i>	
10:45 – 11:15	Winter Storms/Forecasting	
10:45 – 11:15	Hovering on the Edge of Predictability – Late Season “Surprise” Winter Storm Buries East Central Wisconsin on March 25, 2023	Scott Berschback, Rebecca Kruk, Mike Cellitti and Gene Brusky – NOAA/NWS Green Bay, WI
11:15 – 12:45	<i>Lunch break*</i>	
12:45 – 14:45	Severe Storms 1	
12:45 – 13:15	ProbSevere products in the Great Lakes Region	Justin Sieglaff – CIMSS/SSEC, UW-Madison
13:15 – 13:45	Precursors to an Extreme Wind Event: The 2022 June 13 “Derecho”	Jeff Logsdon – NOAA/NWS Northern Indiana
13:45 – 14:15	Anatomy of a Canadian Derecho: The Historic Derecho of May 21 2022	Arnold Ashton – Ontario Storm Prediction Centre, ECCC
14:15 – 14:45	The Gaylord MI EF-3 Tornado of 20 May 2022	John Boris – NOAA/NWS Gaylord, MI

14:45 – 15:00	<i>Break</i> (Evening Logistics)	
15:15 – 15:45	SSEC “Intro” – <i>Birthplace of Satellite Meteorology</i>	Jean Phillips – UW-Madison SSEC
15:45 – 16:30	Tour of SSEC and the roof of the AOSS Building	
May 25, 2023	Thursday	
08:00 – 08:30	Set up	
08:30 – 10:45	Satellites	
08:30 – 09:00	GOES ABI as a Situational Awareness and Public Outreach Tool around the Great Lakes	Tim Schmit – NOAA/NESDIS/STAR
09:00 – 09:30	The GOES Enterprise Cloud Product Suite: Convective Snow Nowcasting Applications in the Great Lakes Region	Mark Kulie – NOAA/NESDIS/STAR
09:30 – 09:45	<i>Break</i>	

09:45 – 10:15	How well do you understand the winds over the Great Lakes? A review of SAR data	Scott Lindstrom – CIMSS/SSEC, UW-Madison
10:15 – 10:45	Visualization of Great Lakes Observations with the SSEC RealEarth Web Mapping API	Sam Batzli – CIMSS/SSEC, UW-Madison
10:45 – 11:15	IDSS	
10:45 – 11:15	Vulnerable Outdoor Populations: A Local Study on How They Receive, Interpret, and Act Upon Weather Information	Megan Varcie – NOAA/NWS Detroit/Pontiac, MI
11:15 – 12:45	<i>Lunch*</i>	
12:45 – 15:15	Marine	
12:45 – 13:30	Marine Observation Challenges: A Discussion	TBD
13:30 – 14:00	Pre-Christmas 2022 Lake Erie Seiche of Extraordinary Proportions: A Collaborative Event Review Between National Weather Service Cleveland and Buffalo	Robert LaPlante and Kirk Lombardy – NOAA/NWS Cleveland, OH and Michael Fries – NOAA/NWS Buffalo, NY
14:00 – 14:30	A Preliminary Assessment of the HRRR’s Ability to Predict the Great Lakes Lake-Breeze Front and Marine Atmospheric Boundary Layer Structure	Collin DeYoung and Clark Evans – University of Wisconsin-Milwaukee

14:30 – 14:45	<i>Break</i>	
14:45 – 15:15	Advancements in Ice Forecasting and Analysis in Support of USCG Operations	Jonathan Edwards-Opperman – U.S. National Ice Center/Ocean Prediction Center
15:15 – 17:00	Severe Storms 2	
15:15 – 15:45	Retrospective of the Bayfield Wisconsin Flash Flood July 15-16 1942	Linda Engebretson – NOAA/NWS Duluth, MN
15:45 – 16:15	The Memorial Day 2022 Severe Weather Outbreak Across Northeastern Minnesota	Bryan Howell – NOAA/NWS Duluth, MN
16:15 – 16:45	An Unusual Mid-Winter HSLC Event Across Northern Ohio on January 19, 2023	Douglas Kahn – NOAA/NWS Cleveland, OH
16:45 – 17:00	Wrap Up discussion / Workshop Concludes	

*Food/leftovers cannot be brought into the Pyle Center!