



AGENDA

Tuesday, March 7, 2023		
9:00am - 3:30pm EST	Working Group for Tropical Cyclone Operations and Research (WG-Tropical)	
9:00am - 12:00pm EST	WG-Tropical Meeting Part 1 - Agenda Items	Working Group
12:00pm - 1:30pm EST	Lunch	
1:30pm - 3:00pm EST	WG-Tropical Meeting Part 2 - Open Discussion	Working Group
3:00pm - 3:30pm EST	NSF-NHERI Wall of Wind at FIU Format: In-Person	Erik Salna, FIU
4:00pm - 4:30pm EST	Wall of Wind Tour (Optional)	Erik Salna, FIU
Wednesday, March 8, 2023		
8:30am - 5:45pm EST	Reconnaissance Operations and Updates, Operational Forecast Center Updates, Field Program/Research Update Satellite Program Updates	
8:30am - 8:35am EST	Welcome Format: In-Person	Josh Cossuth, Co-Chair WG-Tropical
8:35am - 8:55am EST	Opening Remarks: Progress in Federal Coordination to Advance Meteorological Science and Services	Scott Weaver, Executive Director, ICAMS
8:55am - 10:15am EST	Session 1: Reconnaissance Operations and Updates Session Chair: Leigh Anne Eaton (NWS Pacific Region)	
8:55am - 9:10am EST	Aircraft Reconnaissance: An Intense 2023 Season & 5-Year Summary	Warren Madden, CARCAH
9:10am - 9:25am EST	53rd Weather Reconnaissance Squadron Operations Review and Preview	Ryan A. Rickert, 53rd WRS
9:25am - 9:40am EST	NOAA AOC Summary	Ashley Lundry, NOAA AOC
9:40am - 10:00am EST	NOAA Aircraft Acquisition Update	Alan Goldstein, NOAA OMAO
10:00am - 10:15am EST	New SFMR Processor Performance during 2022: Reduction of invalid flags in HDOBs	Ivan Popstefanija, ProSensing
10:15am - 10:30am EST	Break	
10:30am - 12:15pm EST	Session 2: Operational Forecast Centers Updates Session Chair: Shirley Murillo (HRD)	
10:30am - 10:45am EST	Looking Back at the 2022 Hurricane Season and What's New for 2023	Robbie Berg, NHC
10:45am - 11:00am EST	NWS Tampa: Decision Support, Impacts, and Shared Experiences from Hurricane Ian	Brian LaMarre, NWS WFO Tampa
11:00am - 11:15am EST	Artemis I Hurricane Decision Timelines: A review of the 2022 hurricane season	Katherine Rice, NASA
11:15am - 11:30am EST	CPHC Briefing IHC/TCORF 2023	Thomas Birchard and Robert Ballard, CPHC
11:30am - 11:45am EST	JTWC 2022 Operational Highlights, Challenges, and Future Changes	Brian Strahl, JTWC
11:45am - 12:00pm EST	Review of the National Hurricane Center/Tropical Analysis and Forecast Branch's Products and Services during the 2022 Hurricane Season	Chris Landsea, NHC TAFB
12:00pm - 12:15pm EST	Ocean Prediction Center	Darin Figskey, OPC
12:15pm - 1:15pm EST	Lunch	
1:15pm - 4:30pm EST	Session 3: Research Updates Session Chairs: Lisa Bucci (NHC), Brian Strahl (JTWC)	
1:15pm - 1:30pm EST	NOAA's APHEX Hurricane Field Program: 2022 Highlights & Plans for 2023	Jason Dunion, NOAA HRD
1:30pm - 1:45 pm EST	NOAA sUAS Operations in Tropical Cyclones: A Recap of 2022 and Plans for 2023	Joe Cione, NOAA HRD
1:45pm - 2:00pm EST	Observing Tropical Cyclone Environments with Global Sounding Balloons	Todd Hutchinson, Windbone
2:00pm - 2:15pm EST	Air-sea observations from saildrones during the 2022 Atlantic hurricane season	Gregory Foltz, NOAA AOML/POD
2:15pm - 2:30pm EST	Tropical Cyclone Rapid Intensification (TCRI) Format: Virtual	James Doyle, ONR

2:30pm - 2:45pm EST	Overview of Measurements Collected during NASA's Convective Processes Experiment – Cabo Verde (CPEX-CV) in the East Atlantic in September 2022	Edward Nowottnick, NASA
2:45pm - 3:00pm EST	An Update on The National Oceanographic Partnership Program (NOPP) Hurricane Coastal Impact project (NHCI)	Reginald Beach, ONR
3:00pm - 3:15pm EST	Break	
3:15pm - 3:30pm EST	Improving Sub-Grid-Scale Turbulent Transport Parameterization for Accurate Numerical Prediction of Tropical Cyclones	Ping Zhu, FIU
3:30pm - 3:45pm EST	Comparing Tropical Cyclone Rainfall Distribution and Asymmetries Before, During, and After Landfall Using 20-Year NASA IMERG Observations	Haiyan Jiang and Oscar Guzman, FIU
3:45pm - 4:00pm EST	Storm-tide and wave interaction at Puerto Rico during Hurricanes Irma and Maria: Results from coupled TELEMAC2D and TOMAWAC simulation	Yuepeng Li and Qiang Chen, FIU
4:00pm - 4:15pm EST	Recent Findings from Observing System Experiments	Jason Sippel, NOAA HRD
4:15pm - 4:30pm EST	Recommendations from the Tenth WMO International Workshop on Tropical Cyclones	Robert Rogers, NOAA HRD
4:30pm - 5:30pm EST	Session 4: Satellite Updates and Research Session Chair: Keren Rosado-Vázquez (NWS Key West)	
4:30pm - 4:45pm EST	NOAA/NESDIS Update (GOES-18/NOAA-21/Non NOAA Satellites)	Joe Fiore, NESDIS
4:45pm - 5:00pm EST	CIMSS Tropical Cyclone Webpage and Algorithm Updates	Derrick Herndon, UW-CIMSS
5:00pm - 5:15pm EST	Predicting 3D Atmospheric Structure from Geostationary Satellites with Deep Generative Models	Thomas (TJ) Vandal, Zeus AI
5:15pm - 5:30pm EST	Current & Near Future LEO Microwave Satellite Sensors	Jeff Hawkins, UW-SSEC
5:30pm - 5:45pm EST	Discussion and Wrap up	
Thursday, March 9, 2023		
8:30am - 5:30pm EST	Modeling Center Updates, Testbed Updates, Proving Grounds, Social Science, NHOP Update, Hagemeyer Award	
8:30am - 10:00am EST	Session 5: Modeling Center Updates Session Chair: Josh Cossuth (ONR)	
8:30am - 8:45am EST	Operational Global Modeling at EMC: Progress and Plans for Implementation of GFSv17 and GEFSv13	Vijay Tallapragada, NOAA EMC
8:45am - 9:00am EST	Operational implementation of the first version of Hurricane Analysis and Forecast System (HAFS)	Avichal Mehra, NOAA EMC
9:00am - 9:15am EST	Forthcoming changes in ECMWF forecast system	Fernando Prates, ECMWF
9:15am - 9:30am EST	Met Office Tropical Cyclone Modelling Update	Julian Heming, UK Met Office
9:30am - 9:45am EST	Update on the ICON forecast system at DWD	Michael Denhard, DWD
9:45am - 10:00am EST	Navy COAMPS-TC Update	Jim Doyle, NRL
10:00am - 10:15 am EST	Break	
10:15am - 11:30am EST	Session 6: Testbed Project Updates (JTII) Session Chair: Robert Ballard (CPHC)	
10:15am - 10:30am EST	Generating Storm Surge Hazards In Hazard Services	Taylor Trogon, NOAA GSL
10:30am - 10:45am EST	Taking steps to unify and improve NWS TC wind forecast products	Andrea Schumacher, CIRA
10:45am - 11:00am EST	Use of Ocean Stability Data and Machine Learning to Improve Tropical Cyclone Situational Awareness and NHC Statistical-Dynamical Intensity Guidance	Galina Chirokova, CIRA
11:00am - 11:15am EST	Integration of Model Large-Scale Environmental Diagnostics for Tropical Cyclones into the MET-TC Verification Package	Kate Musgrave, CIRA
11:15am - 11:30am EST	Effectively Communicating Uncertainty in Tropical Cyclone Intensity Forecasts	Dan Halperin, Embry-Riddle
11:30am - 11:45am EST	Q&A/Discussion	
11:45am - 1:00pm EST	Lunch	
1:00pm - 2:45pm EST	Session 6: Testbed Project Updates (HOT) Ocean Observations Session Chair: Keren Rosado-Vázquez (NWS Key West)	
1:00pm - 1:15pm EST	Hurricane and Ocean Testbed (HOT): Overview & Status	Wallace Hogsett, NHC
1:15pm -1:30pm EST	Forecaster Support Products for Analysis of Tropical Cyclone Intensity and Structure from Aircraft Reconnaissance Observations Format: In-Person	Jonathan Vigh, NCAR
1:30pm - 1:45pm EST	The Tropical Cyclone Artificial Neural Network Error (TCANE)	Mark DeMaria (CIRA, CSU) and Elizabeth Barnes (CSU, ATS)
1:45pm - 2:00pm EST	The Impact of the G-IV and Non-Standard G-IV flight patterns on TC Forecasts in HAFS	Sarah Ditchek, UM-CIMAS HRD
2:00pm - 2:15pm EST	Expansion of Ensemble-based Sensitivity to TC Hazard Forecasts	Ryan Torn, UAlbany
2:15pm - 2:30pm EST	TROPIC Operations and Research Summary & Outlook: Results from a decade of ocean observations in hurricanes and a look ahead	Elizabeth Sanabia, USNA
2:30pm - 2:45pm EST	Q&A/Discussion	
2:45pm - 3:30pm EST	Session 7: Social Science Session Chair: Andrea Schumacher (CIRA)	
2:45pm - 3:00pm EST	Connecting the Dots Between NOAA's Hurricane Social Science Efforts: Translating Hurricane Supplemental Findings to Guide Research, Development, and Operations	Gina Eosco and Castle Williamsberg, OAR

3:00pm - 3:15pm EST	“Wait, the forecast changed?”: Longitudinal panel surveys of the public	Andrea Schumacher, CIRA
3:15pm - 3:20pm EST	Longer-Term Strategy and Vision for Longitudinal Data Collection	Gina Eosco, OAR
3:20pm - 3:30pm EST	Q&A/Discussion	
3:30pm - 3:45pm EST	Break	
3:45pm - 4:45pm EST	Session 8: Report out on NHOP/WG-Tropical Agenda Items	
4:45pm - 5:00pm EST	Session 9: Hagemeyer Award	
5:00pm - 5:30pm EST	Discussion and Wrap up	