



NOAA/WMO RA IV Virtual Satellite Applications Training Workshop (English)

Caribbean Weather Forecasting Initiative 2022

Hosted by CIMH

AGENDA

December 5-8, 2022

Time Zones

- AST (UTC-4) (*one hour ahead*) for Barbados, Trinidad & Tobago, all the Lesser Antilles, Puerto Rico and the Dominican Republic
- EST (UTC-5) for Washington DC, Jamaica, Haiti and islands to the west.

Barbados Time (AST)	9AM = 1300 UTC 9AM = 8AM EST	Day 1 Monday 5 December	Day 2 Tuesday 6 December	Day 3 Wednesday 7 December	Day 4 Thursday 8 December
900-915 AST	1300 UTC 800 EST	Host Welcome <i>Kathy-Ann Caesar Caribbean Institute for Meteorology and Hydrology (CIMH)</i>	Weather Briefing <i>Moderator: José Gálvez (Axiom/NOAA) Presenters: Participants</i>	Multihazard Vulnerability Assessments <i>Ricardo Quiroga (NASA)</i>	Homework Reflection/Weather Briefing <i>Bernie Connell (CIRA) and José Gálvez (Axiom/NOAA)</i>
915-930 AST	1315 UTC 815 EST	Role of CMO <i>Arlene Laing (Caribbean Meteorological Organization (CMO))</i>			Satellite Data and the Detection of Oil Spills <i>Juan Velasco (NESDIS/STAR)</i>
930-945 AST	1330 UTC 830 EST	WMO's Role in Improving the Use of Satellite Information <i>Rodney Martinez Guingla (WMO RA-IV)</i>	Case Study #1 Tropical Cyclogenesis in the Eastern Caribbean Irma vs Ian Lecture and Hands-on <i>José Gálvez (Axiom/NOAA) and Bernie Connell (CIRA)</i>	Climate Indices How to Use in Forecasting MJO and ENSO <i>José Gálvez (Axiom/NOAA)</i>	GEONETCast Discussion <i>Ian Avruch and Toby Hutchings (NOAA)</i>
945-1015 AST	1345 UTC 845 EST	NOAA's Role in Improving the Use of Satellite Information <i>Mitch Goldberg (NOAA)</i>			

1015-1030 AST	1415 UTC 915 EST	NASA's Role in Optimizing the Use of Satellite Information <i>Argyro Kavvada (NASA)</i>			
1030-1050 AST	1430 UTC 930 EST	20 min BREAK	20 min BREAK	20 min BREAK	20 min BREAK
1050-1130 AST	1450 UTC 950 EST	Overview of GOES and POES Introduction to satellite data and products access <i>Marcial Garbanzo (UCR)</i>	Case Study #1 Tropical Cyclogenesis in the Eastern Caribbean Irma vs Ian Lecture and Hands-on CONTINUED	Case Study #2 La Soufriere Eruption Lecture and Hands-on Multiple Hazards Volcano, aviation/ground, heavy rain, lightning <i>Bernie Connell (CIRA) and José Gálvez (Axiom/NOAA)</i>	Tsunami Monitoring <i>Christa Von Hildebrandt (OTIC)</i>
1130-1200 AST	1530 UTC 1030 EST	Satellite Information for Decision Making Process <i>Ricardo Quiroga (NASA)</i>			Prediction Practice Communicating the Forecast Exercise <i>Presenters: Participants Moderator: Kathy-Ann Caesar (CIMH)</i>
1200-1330 AST	1600 UTC 1100 EST	1.5 hour LUNCH BREAK	1.5 hour LUNCH BREAK	1.5 hour LUNCH BREAK	1.5 hour LUNCH BREAK
1330-1400 AST	1730 UTC 1230 EST	Creating a Feature Map <i>Doug Parker (UKMet)</i>	Prediction Practice RGB Imagery Exercise <i>Presenters: Participants Moderator: Kathy-Ann Caesar (CIMH)</i>	WMO VLab Regional Focus Group (REFG) of the Americas and Caribbean	Satellite Monitoring of Pelagic Sargassum <i>Gabriela Gómez (UNAM/LANOT) Joaquin Trinanes (NOAA OAR)</i>
1400-1430 AST	1800 UTC 1300 EST	Web-based Training Resources from COMET MetEd <i>Amy Stevermer and Keliann LaConte (COMET)</i>			
1430-1445 AST	1830 UTC 1330 EST	NOAA's Satellite Book Club Seminar Series <i>Steve Superczynski and Kashaud Bowman (NOAA/GOES-R PRO)</i>	Regional Focus Group What to Look for During Sessions <i>Bernie Connell (CIRA) and José Gálvez (Axiom/NOAA)</i>	Observing Wildfire Burn Scars from Satellite to Help Forecast Debris Flow and Flash Flooding <i>Javier Villegasbravo (NOAA/WOPC)</i>	Sargassum monitoring in Météo-France <i>Jean-Baptiste Hernandez (Météo-France)</i>
1445-1500 AST	1845 UTC 1345 EST	Inter-American Academy <i>AJ DeGermo, Eldrich Frazier, Amber Kremer (NOAA/IIA)</i>			
			CoastWatch Training and ERDDAP Demonstration <i>Melanie Abecassis</i>		

1500-1530 AST	1900 UTC 1400 EST	Coral Bleaching, SST Data Sets <i>Derek Manzello (NOAA/STAR)</i>		Case Study #2 Continued Lecture/ Hands-on Introduction to Volcanic Emissions and Hands-On <i>Kathy-Ann Caesar (CIMH), Bernie Connell (CIRA) and José Gálvez (Axiom/NOAA)</i>	Landslides / Global Precipitation Measurements (GPM) <i>Dalia Kirschbaum (NASA)</i>
1530-1545 AST	1930 UTC 1430 EST	15 min BREAK	15 min BREAK	15 min BREAK	15 min BREAK
1545-1615 AST	1945 UTC 1445 EST	Key image interpretation aspects for using individual channels, channel combinations, and RGBs <i>Bernie Connell (CIRA) and José Gálvez (Axiom/NOAA)</i>	Global Flooding Modeling <i>Presenter(s): Margaret Glasscoe (NASA) Hugh Atherley (CIMH)</i>	Case Study #2 Continued Lecture/ Hands-on Exercise with reference to Communicating the forecast <i>Kathy-Ann Caesar (CIMH), Bernie Connell (CIRA) and José Gálvez and (Axiom/NOAA)</i>	Workshop Wrap up and Survey
1615-1630 AST	2015 UTC 1515 EST	Summary Discussion / Homework Assignment	Summary Discussion / Homework Assignment	Summary Discussion / Homework Assignment	

Barbados Time FOR THE WORKSHOP (AST): 9:00 AM = 13 UTC = 8AM Eastern Standard Time (EST)

Institution Acronyms in order of appearance:

- (a) CIMH: Caribbean Institute for Meteorology and Hydrology
- (b) CMO: Caribbean Meteorological Organization
- (c) WMO: World Meteorological Organization
- (d) RA: Regional Association
- (e) NOAA: National Oceanic and Atmospheric Administration
- (f) NASA: National Aeronautics and Space Administration
- (g) UCR: University of Costa Rica
- (h) IIA: International and Interagency Affairs
- (i) PRO: GOES-R Product Readiness and Operations (PRO) Team
- (j) CIRA: Cooperative Institute for Research in the Atmosphere
- (k) STAR: Satellite Applications and Research
- (l) UNAM: Universidad Nacional Autónoma de México
- (m) LANOT: National Laboratory for Earth Observations
- (n) CIMSS: Cooperative Institute for Meteorological Satellite Studies (USA)
- (o) ITIC: International Tsunami Information Center