



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 (CIMH)</i>	Weather Briefing and Homework Reflection <i>José Gálvez (Axiom/NOAA)</i>	Multihazard Vulnerability Assessments <i>Marina Mendoza (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 (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: Applications into Forecasting <i>José Gálvez (Axiom/NOAA)</i>	GEONETCast Discussion <i>Ian Avruch and Toby Hutchings (NOAA/NOAASIS)</i>
945-1015 AST	1345 UTC 845 EST	NOAA's Role in Improving the Use of Satellite Information <i>Mitch Goldberg (NOAA/NESDIS)</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 (ITIC)</i>
1130-1145 AST	1530 UTC 1030 EST	Satellite Information for Decision Making Process <i>Ricardo Quiroga (NASA)</i>			Nightlights Monitoring for Disasters and Recovery <i>Hugh Atherley (CIMH)</i>
1145-1200 AST	1545 UTC 1045 EST				Open
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 (University of Leeds)</i>	Prediction Practice RGB Imagery Exercise <i>Carol Subrath-Ali (TTMS) Lawrence Pologne and Wayne McGeary (CIMH)</i>	WMO VLab Regional Focus Group (RFG) 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 Cub Seminar Series <i>Kashaud Bowman (NOAA/GOES-R PRO/TOWR-S)</i>	Regional Focus Group Overview <i>Bernie Connell (CIRA) and José Gálvez (Axiom/NOAA)</i>	Observing Wildfire Burn Scars from Satellite to Help Forecast Debris Flow and Flash Flooding Javier Villegasbravo (NOAA/WOPC)	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 (NOAA CoastWatch)</i>		
1500-1530 AST	1900 UTC 1400 EST	Coral Bleaching, SST Data Sets <i>Derek Manzello (NOAA/STAR)</i>			Case Study #2 Lecture/ Hands-on Introduction to Volcanic Emissions <i>Kathy-Ann Caesar (CIMH), Bernie Connell (CIRA) and José Gálvez (Axiom/NOAA)</i>
1530-1545 AST	1930 UTC 1430 EST	15 min BREAK	15 min BREAK	15 min BREAK	15 min BREAK

1545-1615 AST	1950 UTC 1450 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>Margaret Glasscoe (NASA) Hugh Atherley (CIMH)</i>	Case Study #2 Lecture/ Hands-on Exercise with reference to Communicating the forecast <i>Kathy-Ann Caesar (CIMH), Bernie Connell (CIRA) and José Gálvez (Axiom/NOAA)</i>	Prediction Practice Communicating the Forecast Exercise <i>Kathy-Ann Caesar (CIMH)</i>
1615-1630 AST	2020 UTC 1520 EST	Summary Discussion / Homework Assignment	Summary Discussion / Homework Assignment	Summary Discussion / Homework Assignment	Workshop Wrap up and Survey

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) NESDIS: National Environmental Satellite, Data, and Information Service
- (g) NASA: National Aeronautics and Space Administration
- (h) UCR: University of Costa Rica
- (i) PRO: GOES-R Product Readiness and Operations (PRO) Team
- (j) IIA: International and Interagency Affairs
- (k) STAR: Satellite Applications and Research
- (l) TTMS: Trinidad and Tobago Meteorological Service
- (m) CIRA: Cooperative Institute for Research in the Atmosphere
- (n) WOPC: Weather and Ocean Prediction Centers
- (o) NOAASIS: NOAA Satellite Information System (NOAASIS)
- (p) ITIC: International Tsunami Information Center
- (q) UNAM: Universidad Nacional Autónoma de México
- (r) LANOT: National Laboratory for Earth Observations
- (s) OAR: Oceanic and Atmospheric Research
- (t) ITIC: International Tsunami Information Center