

2011 RA-IV WORKSHOP ON HURRICANE FORECASTING AND WARNING

MARCH 21-APRIL 1, 2011 AT TPC/NHC

TPC/NHC COURSE COORDINATOR: RICHARD J. PASCH (TEL. 305-229-4411)

WEEK 1		MON. – MARCH 21	TUE. – MARCH 22	WED. – MARCH 23	THU. – MARCH 24	FRI. – MARCH 25
AM Break	ER/RP: WELCOME AND INTRODUCTION	JJ: TROPICAL ANALYSIS	SPECIAL LECTURES BY PROFESSOR WILLIAM M. GRAY ↓		JB/DB: DVORAK TECHNIQUE	JB/DB: DVORAK TECHNIQUE (CONT.)
	FM: HURRICANE RESEARCH	JC/LA: TROPICAL WAVES				
Lunch						
PM Break	SPECIAL LECTURES BY PROFESSOR T.N. KRISHNAMURTI ↓	EB/TK: INTERANNUAL AND INTRASEASONAL TC VARIABILITY/ SEASONAL FORECASTING	MB: INTERPRETATION OF MICROWAVE IMAGERY			
		JS/WH: RAINFALL FORECASTING	HC: TAFB OPERATIONS & PRODUCTS			
WEEK 2						
MON. – MARCH 28		TUE. – MARCH 29		WED. – MARCH 30	THU. – MARCH 31	FRI. – APRIL 1
AM Break	CL: TROPICAL CYCLONE (TC) STRUCTURE	TK: EXTRATROPICAL TRANSITION	RP/MB/CS: OPERATIONAL TC FORECASTING AND ADVISORY PREPARATION ↓	PUBLIC WEATHER SERVICES - SEE NEXT PAGE ↓	PUBLIC WEATHER SERVICES - SEE NEXT PAGE ↓	
	RP: TC GENESIS	JF: TC TRACK FORECASTING				
Lunch						
PM Break	JR: STORM SURGE	RB: TC INTENSITY FORECASTING				
	SS: DOPPLER RADAR	MB/DB: ENSEMBLE FORECASTING & PROBABILISTIC GUIDANCE				

Class Hours

Class Duration: 1 Hr. 20 Min. Per Unit

Break Duration: 20 Min.

Lunch Duration: 1 Hr. 20 Min.

Morning: 8:30 AM - 9:50 AM

10:10 AM- 11:30 AM

Afternoon: 1:00 PM - 2:20 PM

2:40 PM - 4:00 PM

Notes: 1) Map Discussion in Operations Area by Course Participants, Daily 12:50 - 1:00
2) Demonstrations of Operational Equipment to be Announced

**RA IV WORKSHOP ON HURRICANE FORECASTING
AND WARNING: PUBLIC WEATHER SERVICES (PWS) PORTION
(Miami, Florida, United States of America, 31 March – 1 April 2011)**

PROVISIONAL PROGRAMME

(as of 11.03.2011)

	Thursday, 31 March 2011	Friday, 1 April 2011 Facilitator: M. Golnaraghi
0830-1130	<ul style="list-style-type: none"> ● Introduction ● Workshop objectives and outline ● Guiding principles of the WMO PWS Programme (H. Kootval) <hr/> <ul style="list-style-type: none"> ● WMO Strategy for Service Delivery (H. Kootval) <hr/> <ul style="list-style-type: none"> ● Partnership and Coordination with Emergency Management (C. Lanza, B. Wagner) 	<ul style="list-style-type: none"> ● Review of the Central America and Caribbean Multi-Hazard EWS Initiatives and proposal for Phase-I Projects in Central America and the Caribbean (25 min) (M. Golnaraghi) ● Challenges and Opportunities in Strengthening Warning Dissemination and Communication <ul style="list-style-type: none"> ➤ Good practices in Multi-Hazard EWS – <ul style="list-style-type: none"> ▪ French West Indies – Jean-Noel Degrace, Météo-France (15 min); ▪ USA-NWS Warning Coordination Meteorologist Programme – Dan Brown (TBC), USA NWS Hurricane Center (15 min) ➤ Policy and legislative aspects of DRM and EWS-clarification of the roles of NMHS, DRM agencies, media and other stakeholders (Andria Grosvenor, CDEMA) (15 min) ➤ Challenges in operational cooperation of NMHS, DRM agencies and the media in warning dissemination, coordination and contingency planning, National examples: <ul style="list-style-type: none"> ▪ K. Meade, Director of the National Meteorological Service and P. Mullin, Director of DRM Agency, Antigua and Barbuda (15 min) ▪ N. Isaac, DRM Coordinator, Dominica (15 min) ▪ Experiences from Tomas in Curaçao (A. Martis, Director of National Meteorological Service, Curaçao) (15 min); ▪ Benefits of Common Alert Protocols: Example from Anguilla (E. Klute, Director of the DRM agency of Anguilla) (15 min); ➤ Opportunities for capacity development in EWS and issues related to warning communication dissemination – Lessons learnt from R3I project (A. Vacher, UNDP) (15 min) ● Discussion issues: <ul style="list-style-type: none"> ➤ Coordination and cooperation in EWS between NMHS and DRM agencies, contingency planning, warning dissemination and cooperation ➤ Role of Media in MHEWS and collaboration of NMHS and DRM agencies with media ➤ Warning dissemination mechanisms (Web, Warning centers, Media, etc.) ➤ Reflection of roles of agencies (NMHS, DRM agencies, media in DRR/EWS legislation and planning ➤ Challenges for development of Common Alerting Protocols (CAP)
1130-1230	LUNCH	LUNCH

	Thursday, 31 March 2011 (cont.)	Friday, 1 April 2011 (cont.)
1230-1630	Improving communication skills: Practical session on: <ul style="list-style-type: none"> ➤ writing media releases; ➤ media interview; and, ➤ dealing with difficult media situations. (D. Feltgen) 	Social and economic aspects of meteorological services: <ul style="list-style-type: none"> • Social and economic value of meteorological services • Social and economic assessment of meteorological services • Social and economic costs of hurricanes (D. Letson) (1230-1330 hours)
	Evaluation and verification of your public weather services and products <ul style="list-style-type: none"> • Quality management: Continuous improvement of quality of services (S. Letro) 	Discussions of the components of the Phase-I project proposals related to strengthening of Warning Dissemination and Communication, Capacity Development activities and partnerships for implementation planning– M. Golnaraghi (1330-1600 hours) <ul style="list-style-type: none"> • Issuance of Certificates • Conclusions • Closure of the Workshop (1600-1630 hours)

KEY TO INSTRUCTORS FOR 21-30 MARCH

CS: CHRIS SISCO
CL: CHRIS W. LANDSEA
DB: DANIEL BROWN
EB: ERIC BLAKE
ER: ED RAPPAPORT
FM: FRANK MARKS
HC: HUGH COBB

JB: JACK BEVEN
JC: JOHN CANGIALOSI
JF: JAMES FRANKLIN
JJ: JIANN-GWO JIING
JR: JAMIE RHOME
JS: JESSICA SCHAUER
LA: LIXION AVILA

MB: MICHAEL BRENNAN
RB: ROBERT BERG
RP: RICHARD PASCH
SS: STACY STEWART
TK: TODD KIMBERLAIN
WH: WALLACE HOGSETT