

METAREA VIII S Report

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WMO OMM

World Meteorological Organization
Organisation météorologique mondiale

Introduction



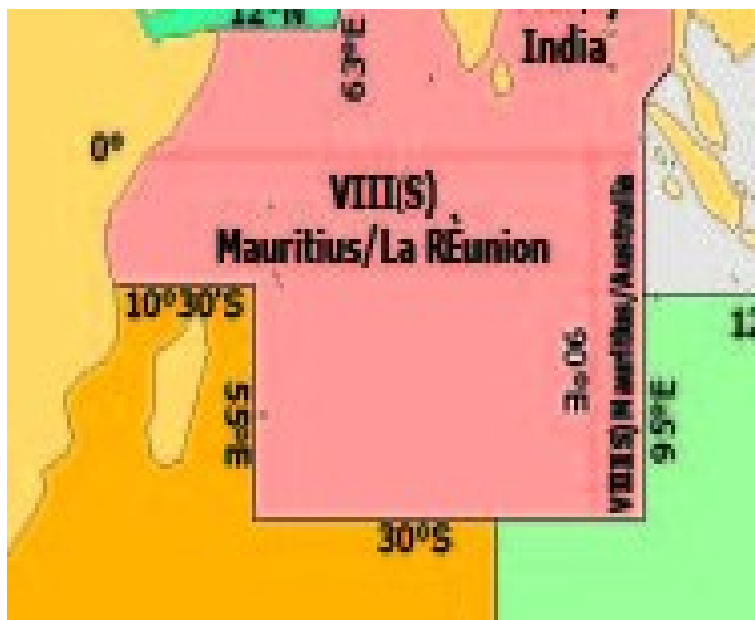
METAREA VIII

METAREA VIII(N)

ISSUING SERVICE:	India
COVERAGE:	The area of the Indian Ocean enclosed by lines from the India/Pakistan frontier at 23°45'N 68°E to 12°N 63°E, thence to Cape Gardafui and from the east African coast southward to the Equator, thence to 95°E, to 6°N, thence north east to the Myanmar/Thailand frontier at 10°N 98°30'E
SATELLITE OCEAN REGION:	IOR

METAREA VIII(S)

ISSUING SERVICE:	Mauritius; La Réunion
COVERAGE:	The east African coast from the Equator southward to 10°30'S, thence to 55°E, to 30°S, to 95°E, to the Equator and to the east African coast
SATELLITE OCEAN REGION:	IOR



SATELLITE SYSTEMS COMMUNICATION

GMDSS

[Transmission Schedule For Full GMDSS](#)
[Limits of METAREAS - World Map](#)

MSI

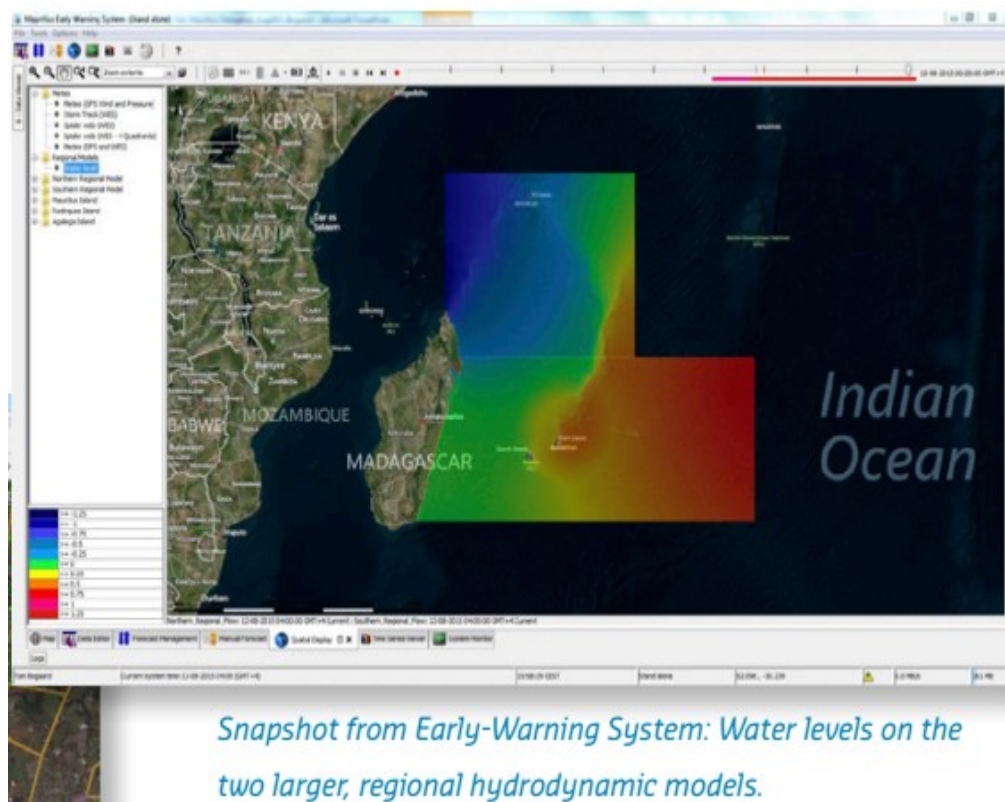
[INMARSAT-C Land Earth Stations \(LEs\) accepting Short Access Code \(SAC\) 41 messages](#)

TERRESTRIAL SYSTEMS COMMUNICATION

COUNTRY	MAPS	GMDSS	MSI		
		DSC	NAVTEX	FACSIMILE	HF-NBDP
World Map	NAVTEX stations				
World Map	Radio-Facsimile				
METAREA VIII	SafetyNET Forecasts				
Bangladesh (VIIIIN)		DSC			
India (VIIIIN)	Forecast areas	DSC	NAVTEX		
Kenya (VIIIIS)	Forecast areas			FACSIMILE	
Sri Lanka (VIIIIN)		DSC			
Mauritius (VIIIIS)		DSC	NAVTEX		
Réunion (VIIIIS)		DSC			
Seychelles (VIIIIS)		DSC			

New service-related activities

- The Mauritius Early-Warning System for storm surge and tide was implemented using software from Deltares' Open-Source and free software Community.
- *A set of five depth-averaged Delft3D-FLOW hydrodynamic models are run every six-hours with a forecast horizon of three days, simulating water levels along the coast of the three main islands.*
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- *Two regional models of horizontal resolution 5km force the three detailed models of 500m resolution; all models are forced at the surface by the 0.25° NOAA/GFS meteorological forecasts.*



Planned service-related activities

- The Mauritius Early-Warning System for storm surge and tide is in the process of being upgraded to include waves and swells components
Additional products will be coastal inundation***
- The Government of Mauritius has recently set up a department dedicated to the provision of hydrographic services : Mauritius Hydrographic Unit
Close collaboration with the Meteorological Services***
- State of the art radar is being set up with a radius of about 400 km
Improved service delivery in region 8/1 & 8/3***
- Planned upgrade of the transmission system for operational use***



Recent challenges encountered with MSI provision or coordination

Abnormal receipt of forecast on board

Reported by user

Transmission system in MMS thoroughly checked

SHIPPING BULLETIN FOR MET AREA VIII (S) METEOROLOGICAL SERVICES

MAURITIUS ISSUED ON TUESDAY 10 JULY 2018 AT 0030 UTC.

PART 1: WARNING NIL

PART 2: GENERAL SYNOPSIS OBSERVED AT 0000 UTC THIS TUESDAY 10 JULY

TOO MUCH SPACING
BETWEEN LINES.
— UNABLE TO EASILY
UNDERSTAND MSG CONTENT
— WASTAGE OF PAPER.
THIS FORMAT IS BEING RECD BY
ALL SHIPS ON ALL TYPES OF
TER MINAL -
PLS AMEND YOUR FORMAT

SHIPPING BULLETIN FOR MET AREA VIII (S) METEOROLOGICAL SERVICES

MAURITIUS ISSUED ON THURSDAY 16 AUGUST 2018 AT 1230 UTC.

PART 1: TTT WARNING OF NEAR GALE

STRONG BREEZE TO NEAR GALE FORCE SOUTH EASTERLY WINDS TOGETHER WITH

ROUGH TO VERY ROUGH SEAS EXIST WITHIN AREA BOUNDED BY LATITUDES 10S

TO 15S AND LONGITUDES 75E TO 95E.

The spacing has reduced
but still there is scope to
reduce 2 more line

Switched to another system

Forecast receipt improved but still should be improved to July 2018 format

Significant examples of stakeholder interactions or education activities

- Hydrographic surveys**
- Deployment of drifters in collaboration with shipping companies**
- Increase visibility of ocean related research through the collaboration with educational institutes to launch ARGO floats**
- IIOE 2 & IOC subcommission for Africa and Adjacent Islands projects**

Thank you Merci



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