MALDIVES METEOROLOGICAL SERVICE

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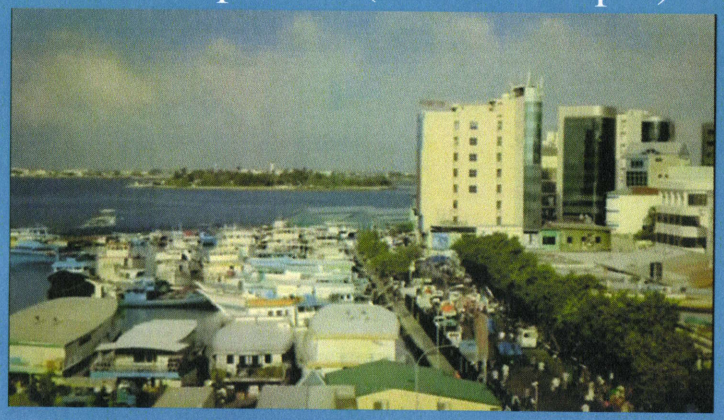
(Assistant Meteorologist)

OBJECTIVES

- PREPARE AND DISSEMINATE WEATHER FORECAST
  - GENERAL PUBLIC
  - AVIATION SECTOR
  - TOURISM SECTOR
  - FISHING & SHIPPING COMMUNITY
- PUBLIC WEATHER BROADCASTING
  - TV
  - RADIO
- MONITOR AND ISSUE WEATHER/EARTHQUAKE WARNINGS

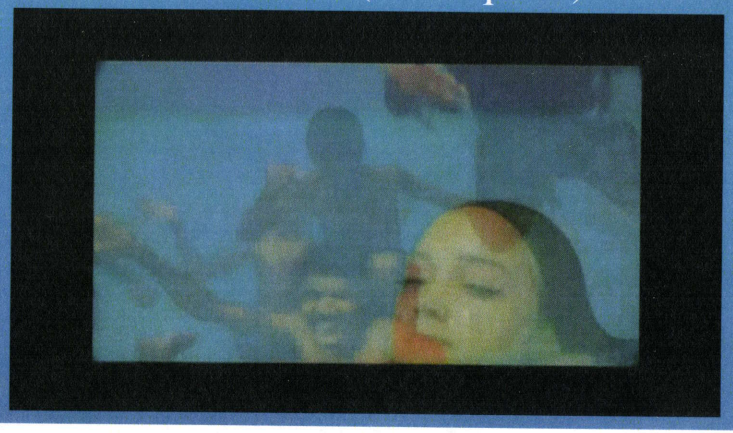
PREPARE & DISSEMINATE WEATHER FORECAST

- General public. (10 am & 8 pm)

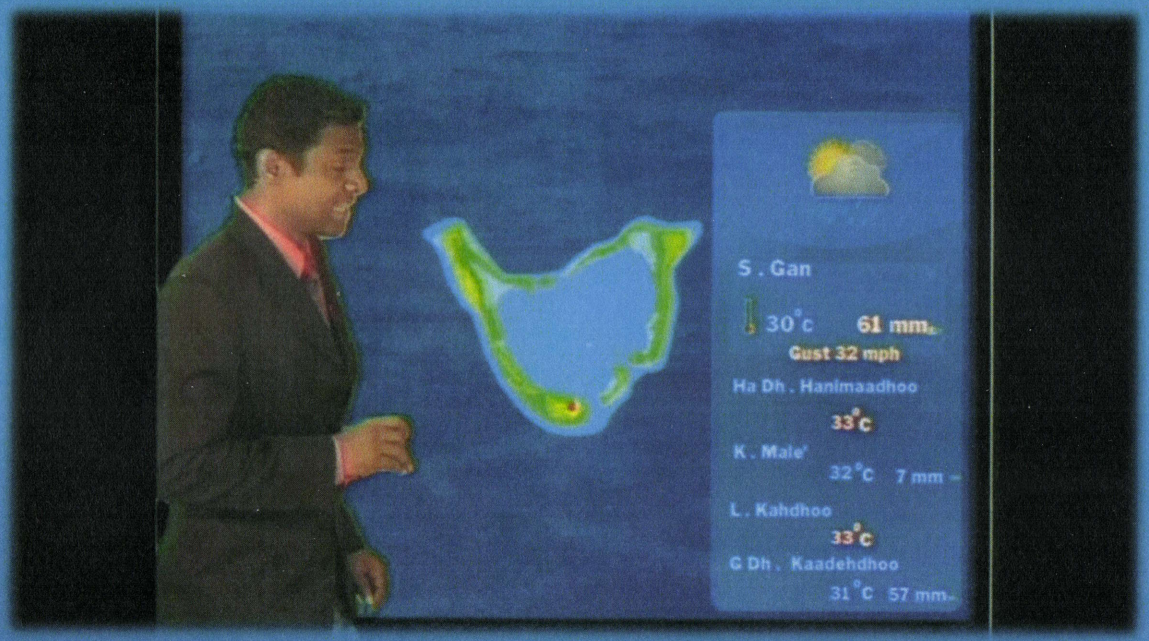


- Aviation sector (every hour)

- Tourism sector (on request)

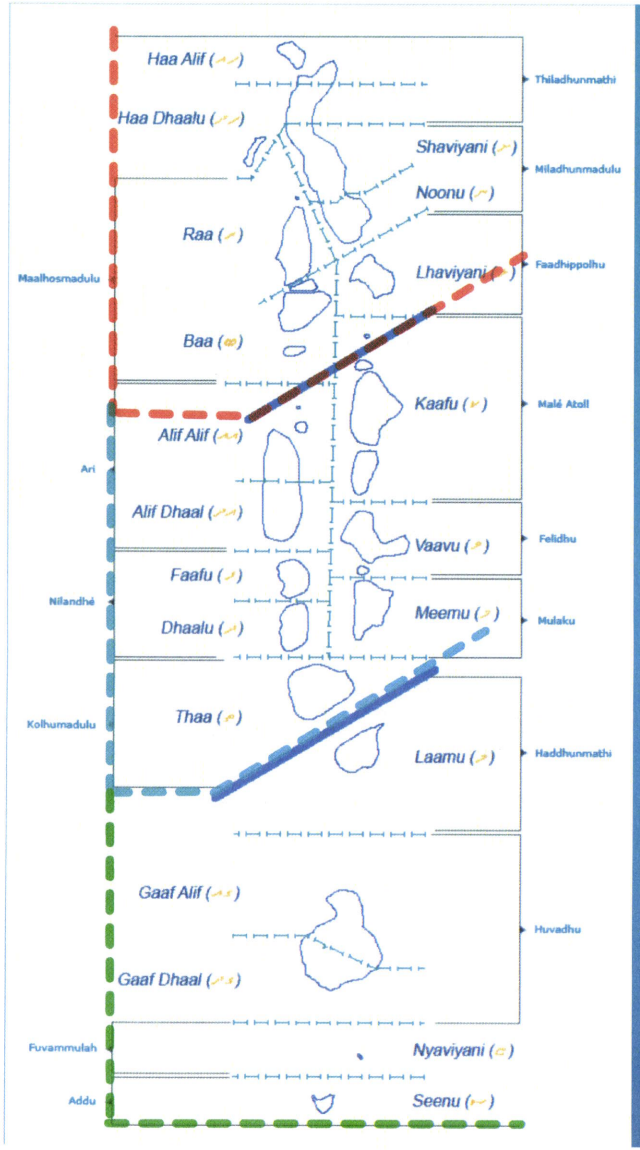


- Fishing & shipping (10 am & 8 pm)



PUBLIC WEATHER BROADCASTING

- TV (PSM) 8 pm
- RADIO STATIONS (24/7 ON CALL)



HOW THE REGIONS ARE DIVIDED

> North (ﺍﻫﻮﻫﻤﺮ)

ﺭﻫ، ﺭﻛﺮ، ﺳﺮ، ﺳﺮ، ﻫﺮ، ﻫ، ﻋ

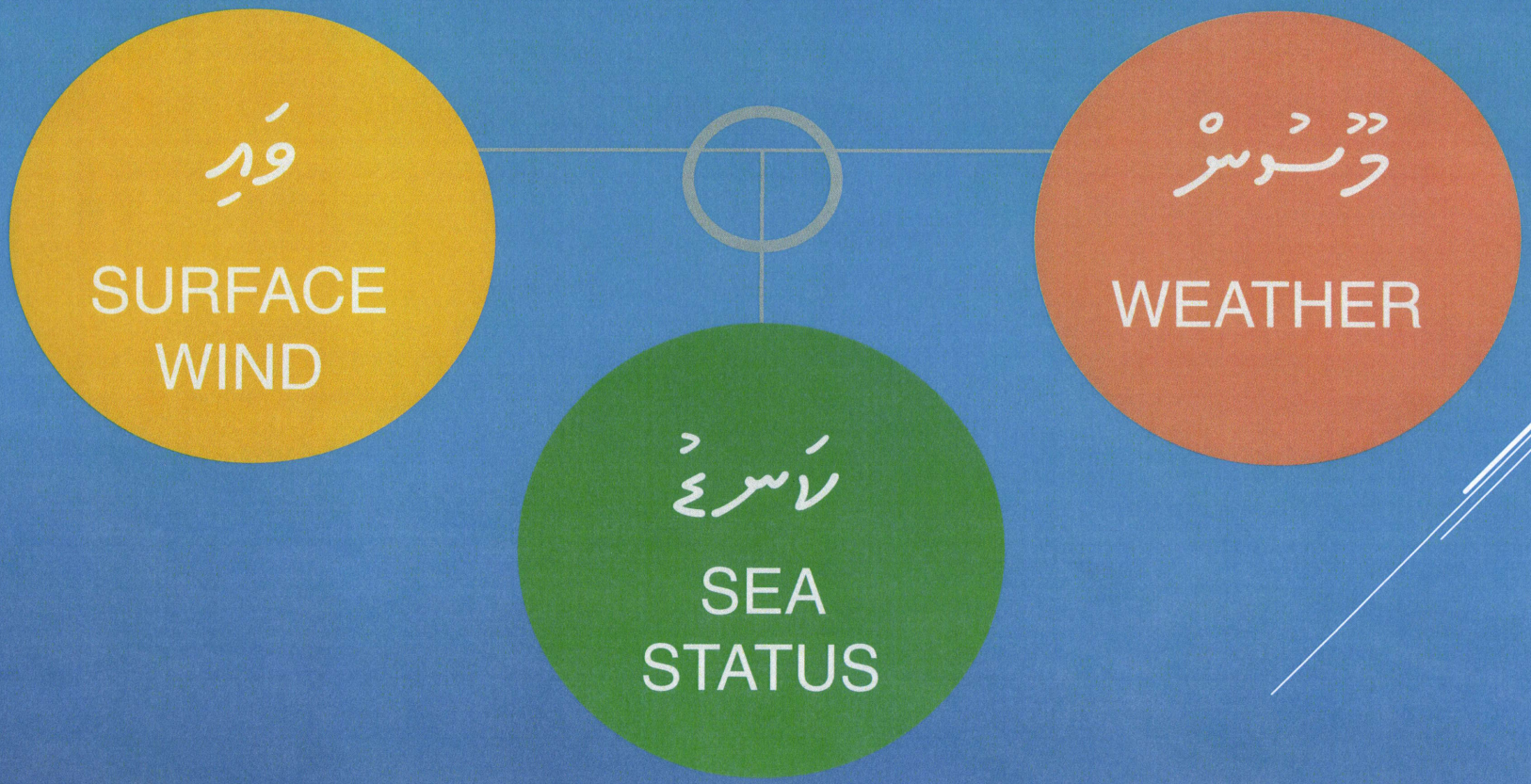
> Central (ﺩﻛﺮﻫﻮﻫﻤﺮ)

ﻻ، ﻫﻫ، ﻫﻛﺮ، ﻭ، ﺩ، ﻛﺮ، ﻛﺮ، ﻫ

> South (ﻛﺮﻻﺳﺮ)

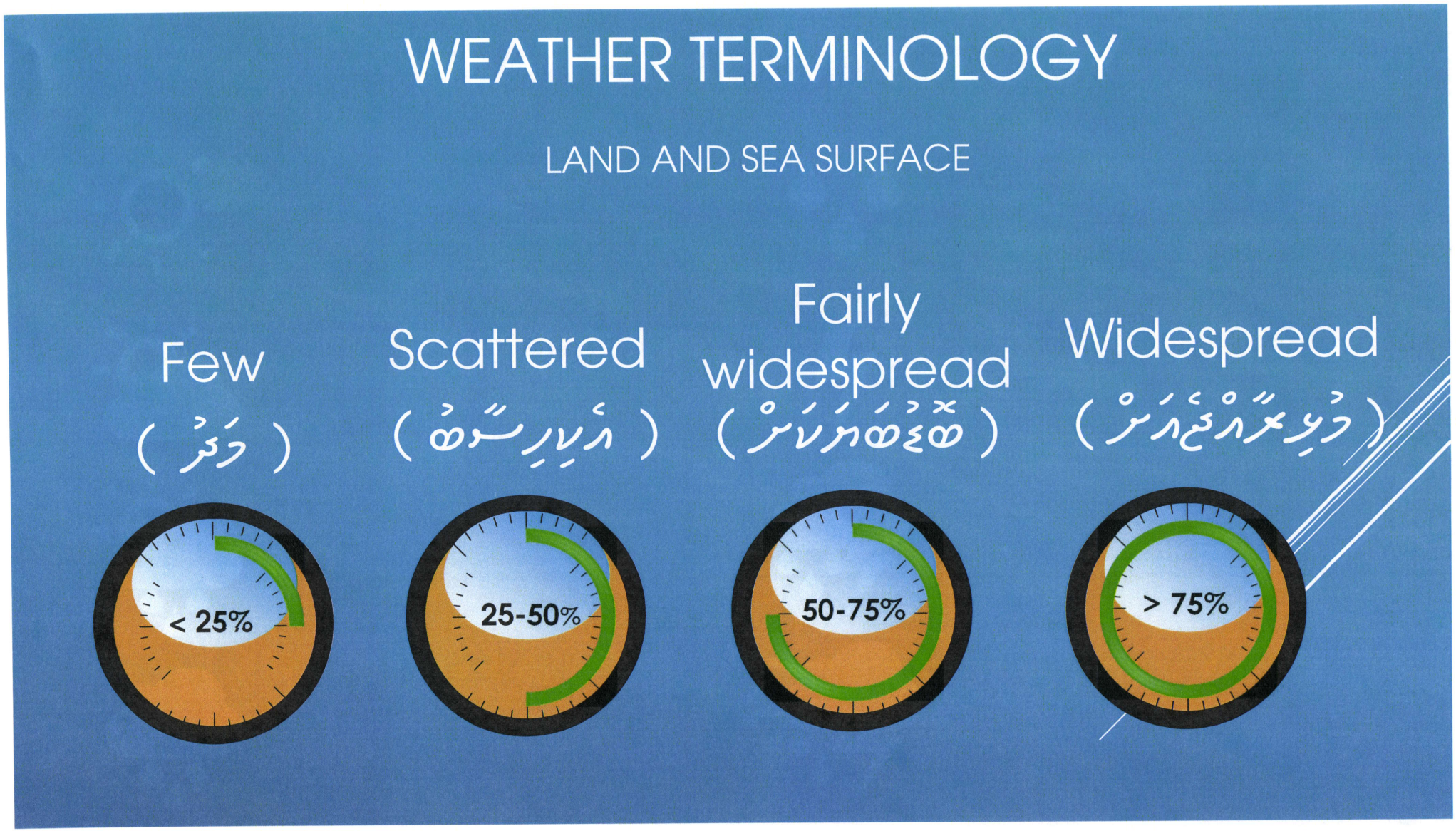
ﻋ، ﻛﻫ، ﻛﻛﺮ، ﻫﻋ، ﺳﻭ

WEATHER FORECAST IS DIVIDED IN TO 3 MAIN COMPONENTS



WEATHER TERMINOLOGY

LAND AND SEA SURFACE



STANDARD OPERATING PROCEDURE (SOP)

ALERT GREEN

04

CANCELLATION

STANDARD OPERATING PROCEDURE (SOP)

ALERT YELLOW MESSAGE

02

ALERT YELLOW ADVISORY:

TORRENTIAL RAIN EXPECTED.

AREA: SOUTHERN ATOLLS.

PERIOD:

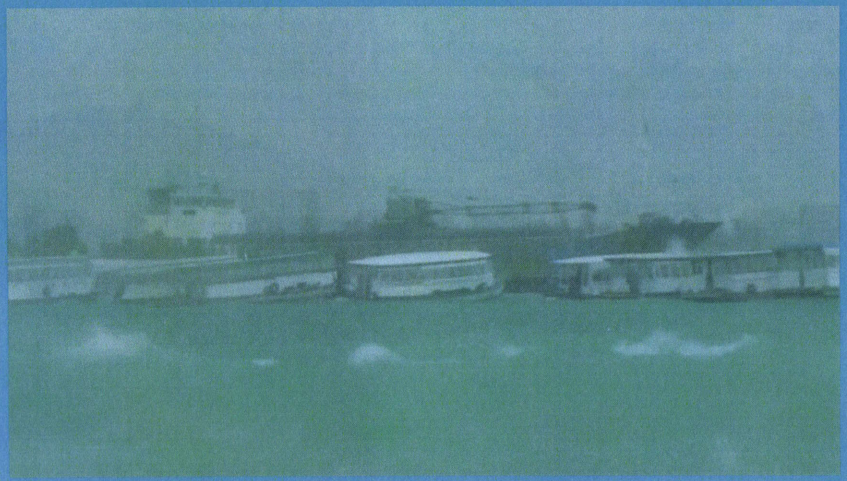
03/0745 – 03/1145 HRS.

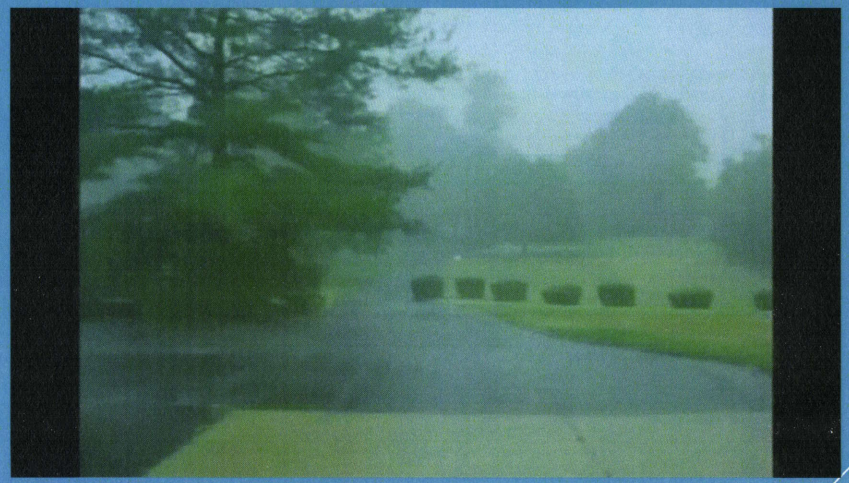
ISSUED:

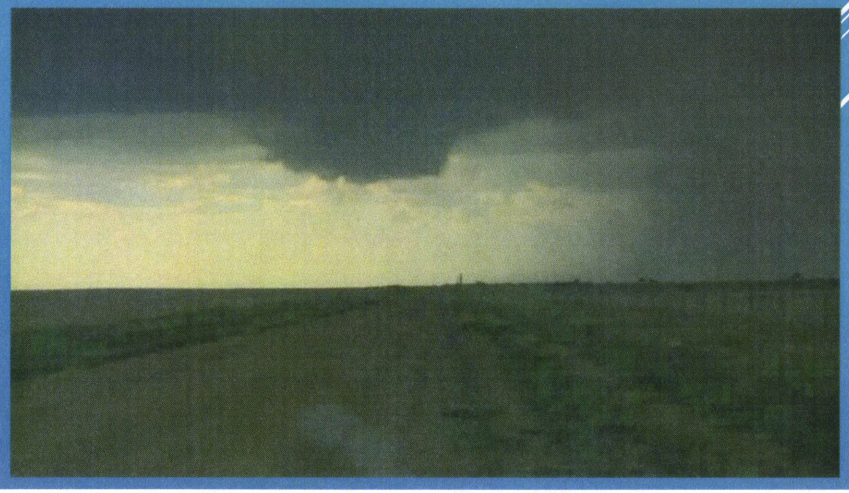
0730 HRS 03 MARCH 2016.

-METSERVICE-

STANDARD OPERATING PROCEDURE (SOP) FOR WEATHER PHENOMENA





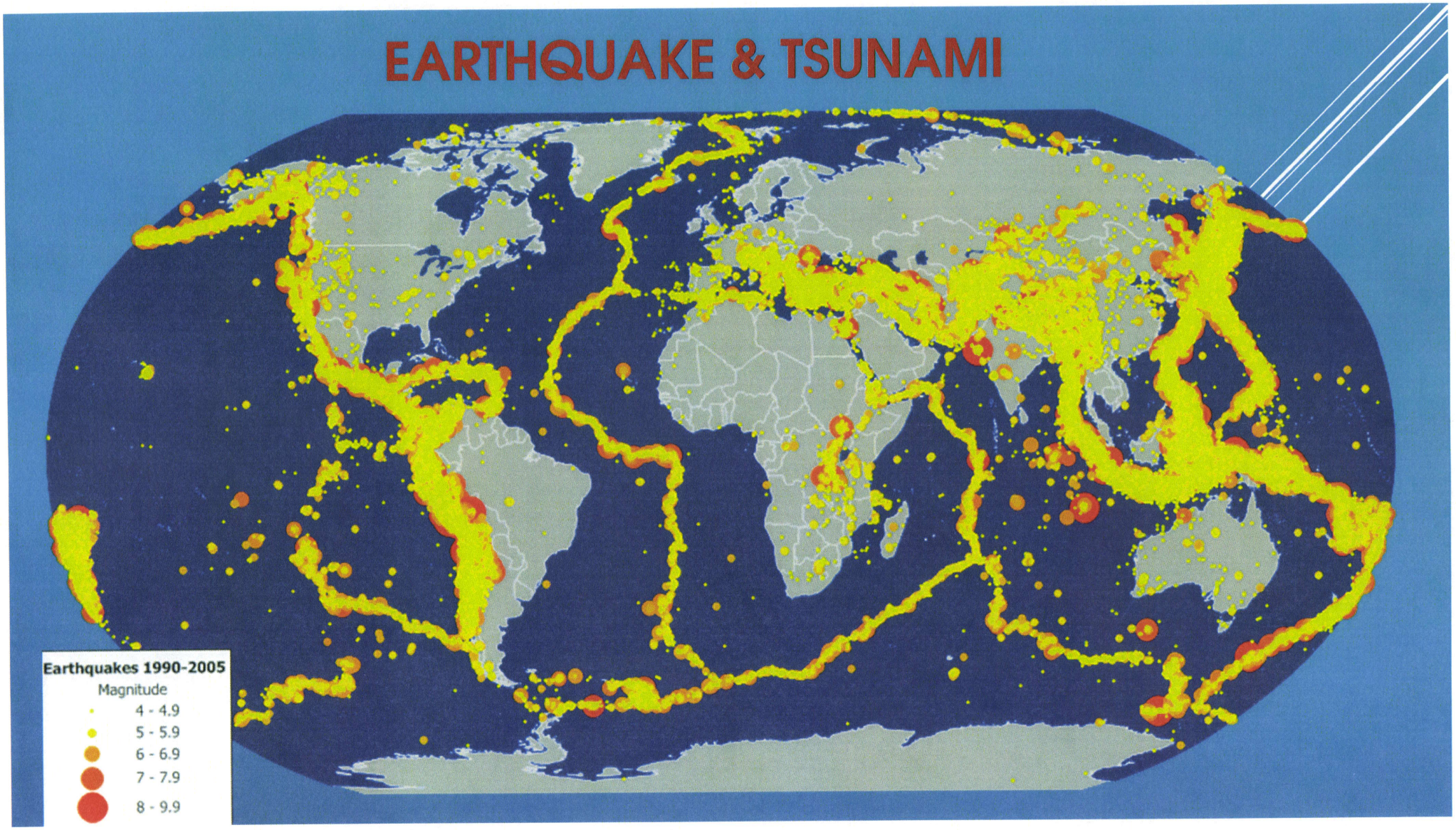


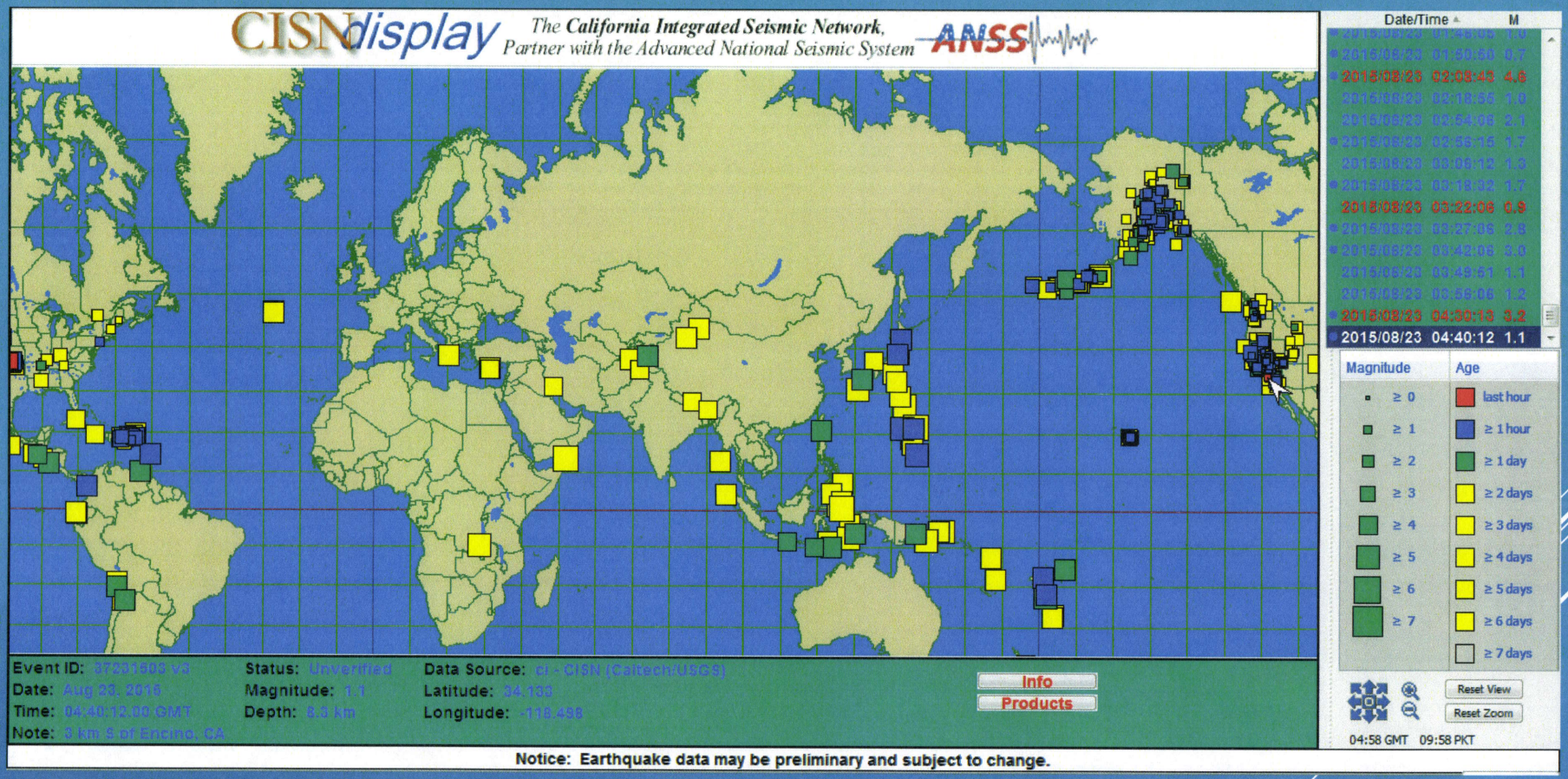
STANDARD OPERATING PROCEDURE (SOP) FOR WEATHER PHENOMENA

Surface wind speed 34 – 40 KTS

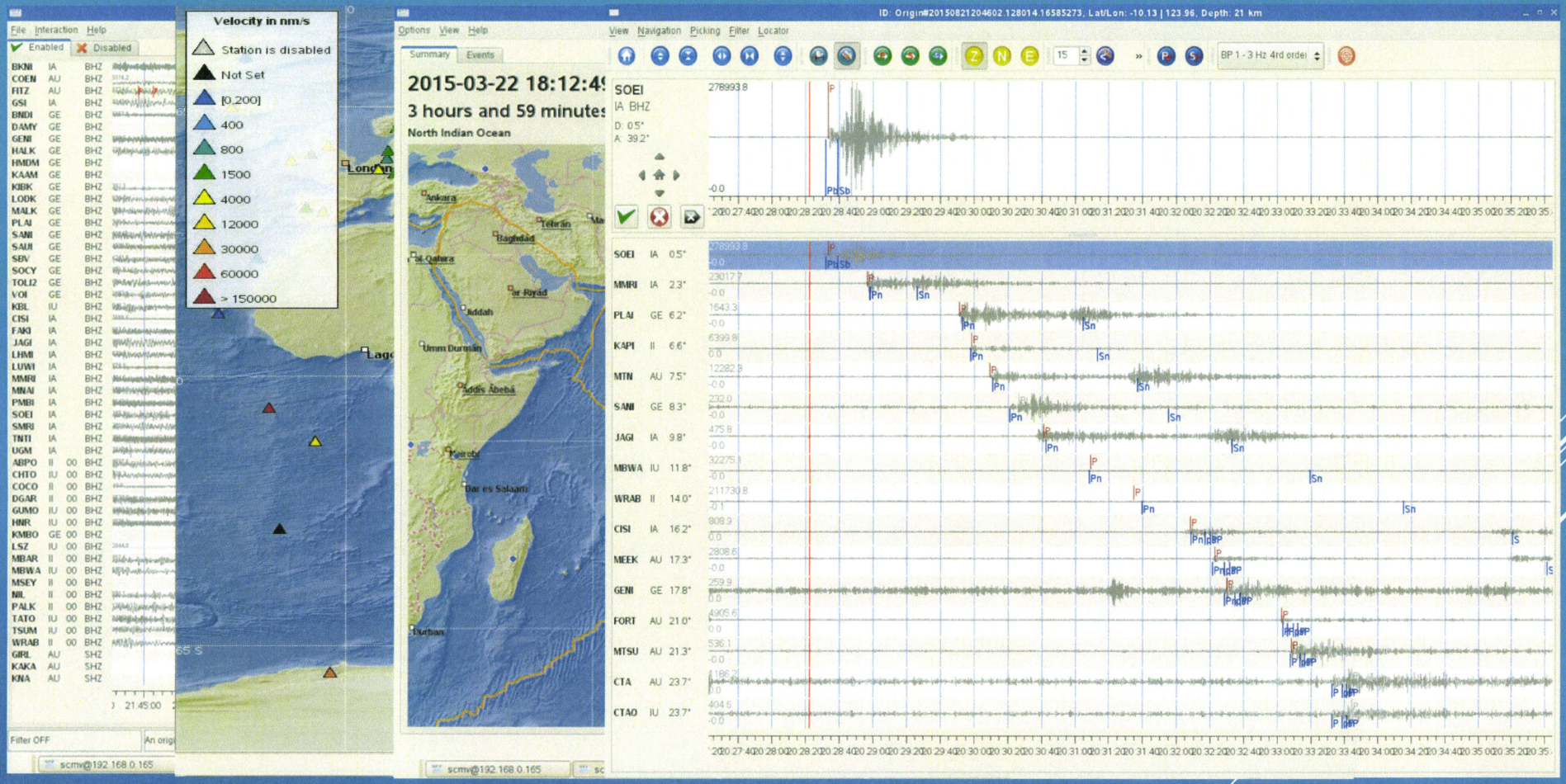
Storm surge

EARTHQUAKE & TSUNAMI





REAL-TIME EQ MONITORING : CISN



REAL-TIME EQ MONITORING : SEISCOMP3

Alert White
>7.0

Monitor real time sea level data
Sea level from across the Indian Ocean is monitored.

Send SMS to focal points
A "white alert" SMS will be sent to focal points across the country.

Keep contact with responsible authorities
MNDF, Police, NDMC, MACL, and public media

Social Media
Our social media will be updated with the latest information

Alert Yellow
>8.0
Possibility of tsunami

Contact International Authorities
Contact with PTWC, RIMES, and other tsunami warning centers

Monitor real time sea level data
Sea level from across the Indian Ocean is monitored to see if there is a Tsunami

Send SMS to focal points
A "yellow alert" SMS will be sent to focal points across the country for a "Tsunami watch in effect"

Keep contact with responsible authorities
MNDF, Police, NDMC, MACL, and public media

Social Media
Our social media will be updated with the latest information

Alert RED (Tsunami)

Tsunami watch in effect
This will be monitored closely using the real time data and the information available from international authorities

Tsunami arrival time is calculated
The Tsunami arrival time will be informed to the local authorities and the focal points

Inform local Authorities
Tsunami alert will be informed to NDMC, MNDF, Police and public media via the hotlines

Send SMS to focal points
Red alert message will be sent to focal points across the country

Social Media
Our social media will be updated with the latest information

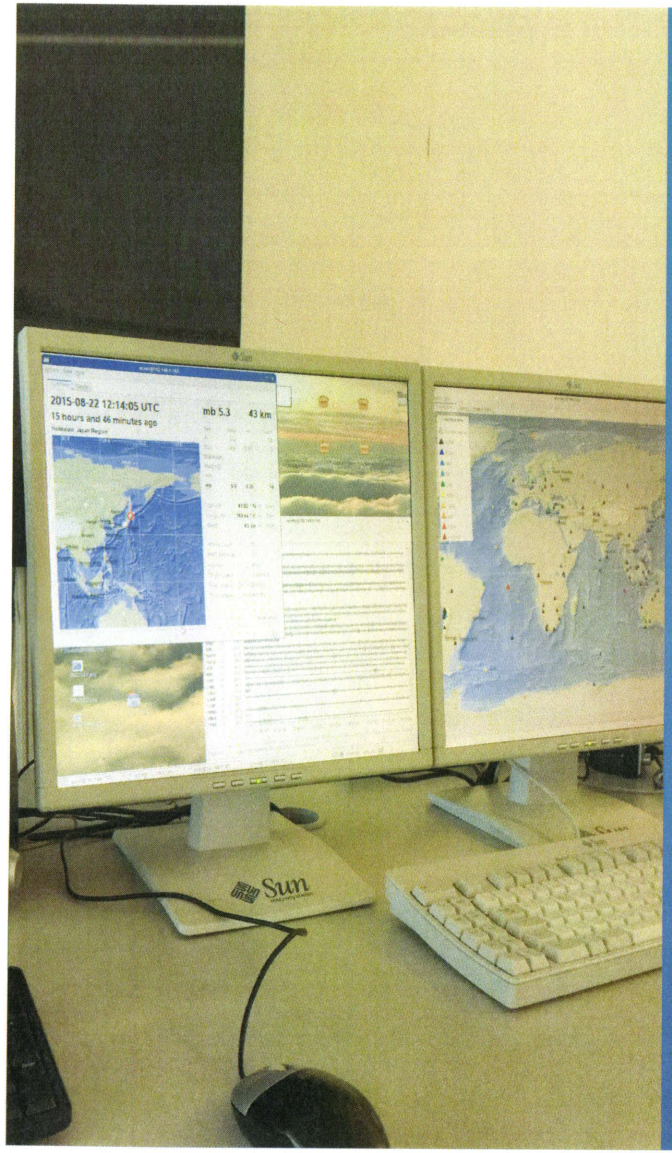
Alert GREEN
(Tsunami cancel)

Tsunami watch cancelled
MMS will issue the green alert depending on the tide data information and the bulletins received from the tsunami warning authorities.

Inform local Authorities
Tsunami cancellation alert will be informed to NDMC, MNDF, Police and public media via the hotlines

Send SMS to focal points
Green alert message will be sent to focal points across the country

Social Media
Our social media will be updated with the latest information



ALERT YELLOW
Tsunami Watch:
Earthquake
Originated date/time: 02 March 1749 hr
DISTANCE: 2527 km East of Male'
LOCATION: Southern Sumatra, Indonesia
MAG: 8.2 (siescomp)
DEPTH: 5KM (sea)
THIS EARTHQUAKE HAS POTENTIAL TO GENERATE WIDELY DESTRUCTIVE TSUNAMI IN THE OCEAN NEAR THE EPICENTER. TSUNAMI WATCH IN EFFECT
ISSUED:
1815 hrs 02 March 2016.
-MetService-

SAMPLE ALERT MESSAGE

- Phone: 3323084
- Mobile: 7967171
- Tweeter: @MetMaldives
- Facebook: MetMaldives
- Dial weather: 3317171
- Website: meteorology.gov.mv
- Mail: nmc@meteorology.gov.mv