



United Nations
Educational, Scientific and
Cultural Organization



Intergovernmental
Oceanographic
Commission

TTTWO Agenda J3

IOTWMS Significant Events

Pattabhi Rama Rao Eluri (presenter) pattabhi@incois.gov.in

Prof. Mohammad Mokhtari m_7_mokhtari@yahoo.com

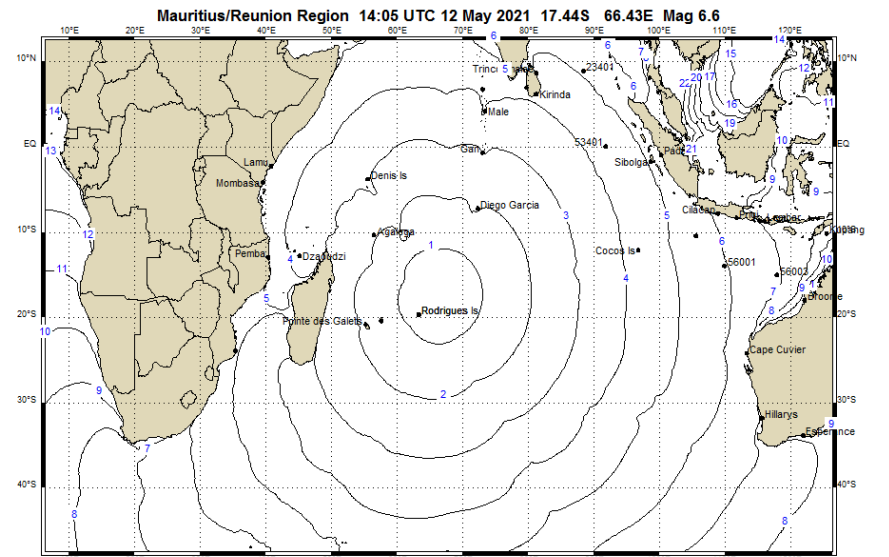
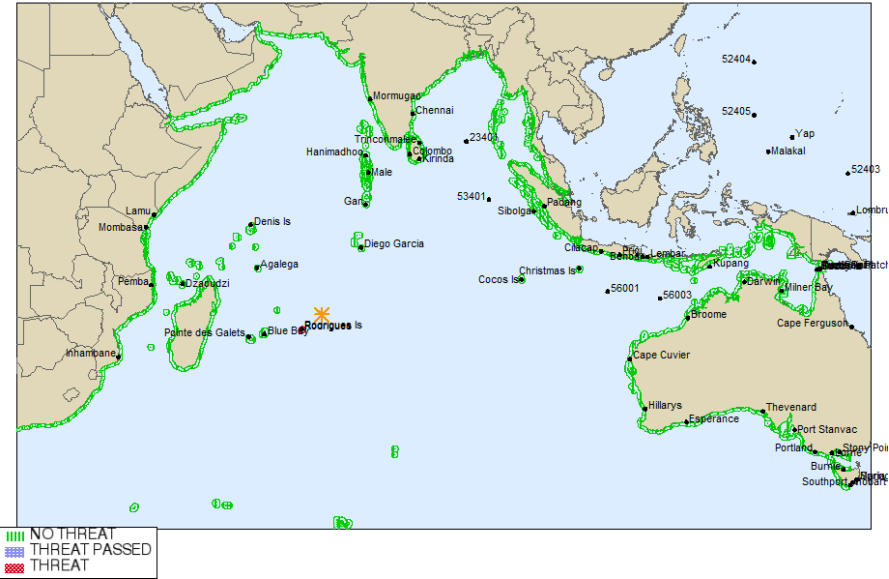
Thanks to Karyono, Patanjali, Robert Greenwood, Nora Gale and Yuelong Miao, Ajay, JP

**TOWS-WG Task Team Tsunami Watch
Operations**

22-23 Feb 2022

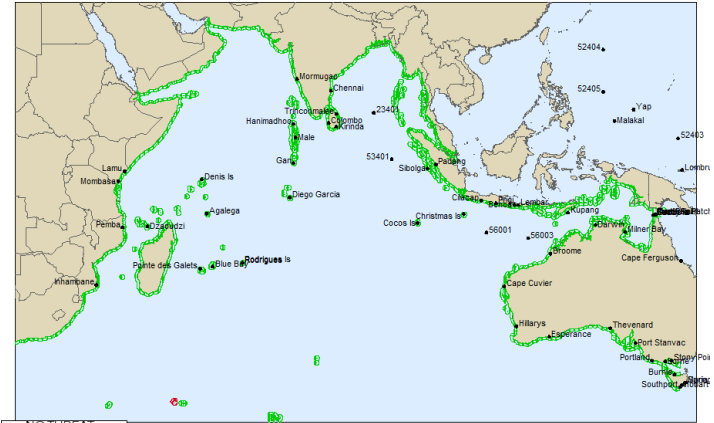
Significant Events

- JATWC issued Threat Bulletin for earthquake M 6.6 at Mauritius/Reunion Region n 12-May-2021 at 14:05 UTC
- USGS magnitude M6.7
- ITEWC and InaTEWS earthquake magnitudes were <6.5
- JATWC Issued total 5 Bulletins Threat to MAURITIUS
LA FERME 1448Z 12May2021 0.51m
- No sea level observations



Significant Events (source outside Indian Ocean)

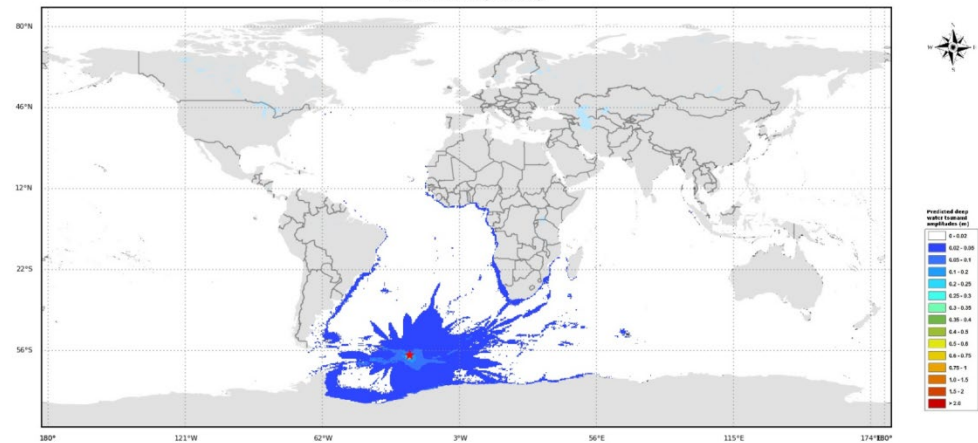
- An earthquake of magnitude 8.1 occurred at South Sandwich Islands region on 12-Aug-2021
- JATWC issued 7 bulletins with threat to France, along with sea level observation



JATWC Threat map for South Sandwich Islands

CROZET PLATEAU 0348Z 13Aug2021 0.67m

- ITEWC issued 3 bulletins with sea level observations
- Significant sea level change observed (Max. 0.68 m) in the Indian Ocean region as below:

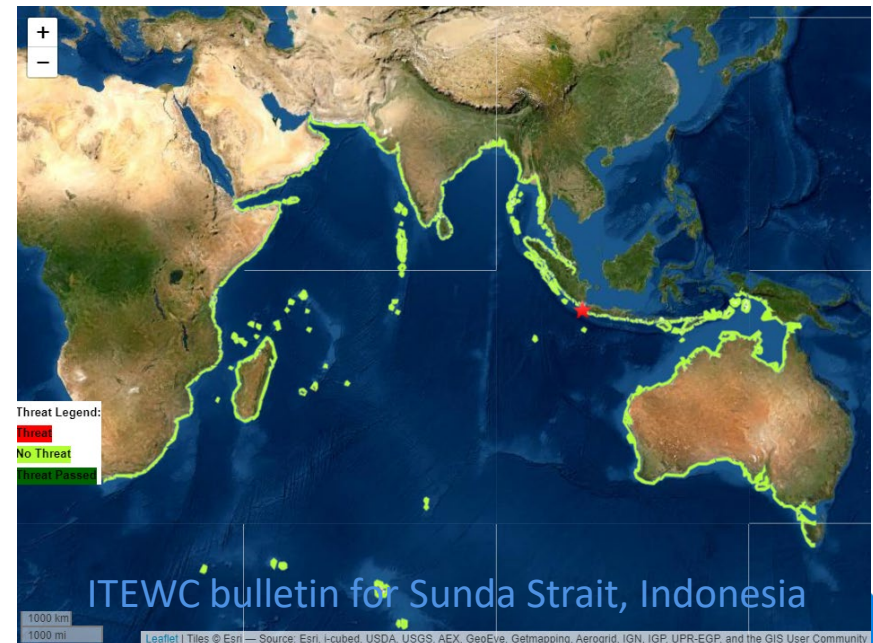
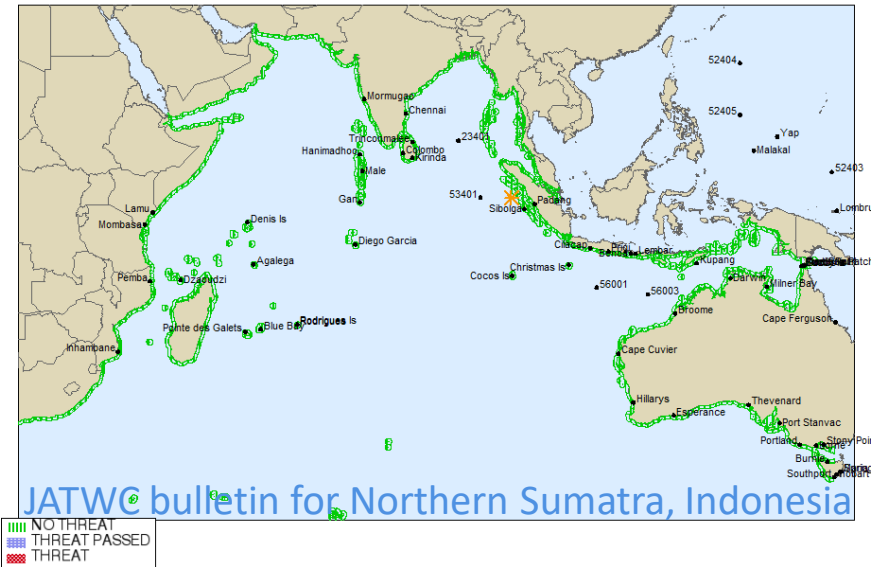


ITEWC Maximum Wave Amplitude Map for South Sandwich Islands

Station	Country	Latitude	Longitude	Wave Arrival(UTC)	Wave Amplitude(m)
KING EDWARD POINT	ANTARCTICA	54.17 S	36.50 W	12-Aug-2021 21:50:00	0.64
PORT STANLEY	UK	51.7 S	57.93 W	12-Aug-2021 22:55:00	0.18
SYOWA	ANTARCTICA	69.0 S	39.57 E	13-Aug-2021 00:40:00	0.36
ANTARCTICA BASE PRAT	ANTARCTICA	62.47 S	59.66 W	13-Aug-2021 00:50:00	0.14
BASE OHIGGINS	ANTARCTICA	63.32 S	57.90 W	13-Aug-2021 01:44:00	0.15
MARION ISLAND	SOUTH AFRICA	46.8 S	37.87 E	13-Aug-2021 03:00:00	0.48
KERGUELEN IS	FRANCE	49.50 S	70.17 E	13-Aug-2021 05:00:00	0.04
SAINT HELENA	SAINT HELENA (UK)	15.90 S	5.72 W	13-Aug-2021 05:15:00	0.43
RODRIGUE	MAURITIUS	19.6 S	63.42 E	13-Aug-2021 05:50:00	0.05
REUNION FR	FRANCE	20.9 S	55.28 E	13-Aug-2021 06:12:00	0.13

Significant Events

- Other 2 noteworthy events occurred in Indian Ocean during the reporting period
 - i. M 6.7 on 14-May-2021 at 06:33 hrs at Off West Coast of Northern Sumatra, Indonesia
 - ii. M 6.6 on 14-Jan-2022 at 09:05 hrs at Sunda Strait, Indonesia
- For both events, TSPs issued No-Threat bulletins to Indian Ocean Region



Thank you

