



# EXERCISE INDIAN OCEAN WAVE 23

An Indian Ocean-wide Tsunami  
Warning and Communications Exercise  
4–25 October 2023

Volume 1

Exercise Manual

---

Supplement 3  
TSP Bulletins for Scenario 3: Heard Island Volcano  
To be issued by the TSPs to NTWCs/TWFPs on 18 October 2023

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**An Indian Ocean-wide Tsunami**  
**Warning and Communications Exercise**  
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**UNESCO 2023**



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Perth, August 2023  
English only

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Prepared by the Exercise IOWave23 Task Team for the Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System.

**TABLE OF CONTENTS**

	page
INTRODUCTION .....	1
1. TSP AUSTRALIA MAPS .....	2
2. TSP AUSTRALIA BULLETINS .....	4
BULLETIN 1 .....	4
BULLETIN 2 .....	8
BULLETIN 3 .....	12
BULLETIN 4 .....	17
BULLETIN 5 .....	24
BULLETIN 6 .....	32
BULLETIN 7 .....	42
BULLETIN 8 .....	52
BULLETIN 9 .....	62
BULLETIN 10 .....	72
BULLETIN 11 .....	83
BULLETIN 12 .....	94
BULLETIN 13 .....	105



## **INTRODUCTION**

This document contains all the products generated by the Tsunami Service Provider (TSP) Australia in advance of the Heard Island Volcano scenario of Exercise Indian Ocean Wave 2023 (IOWave23) to be conducted on 18 October 2023.

## 1. TSP AUSTRALIA MAPS

Figure S3-01. Location Map:  = Heard Island Volcano

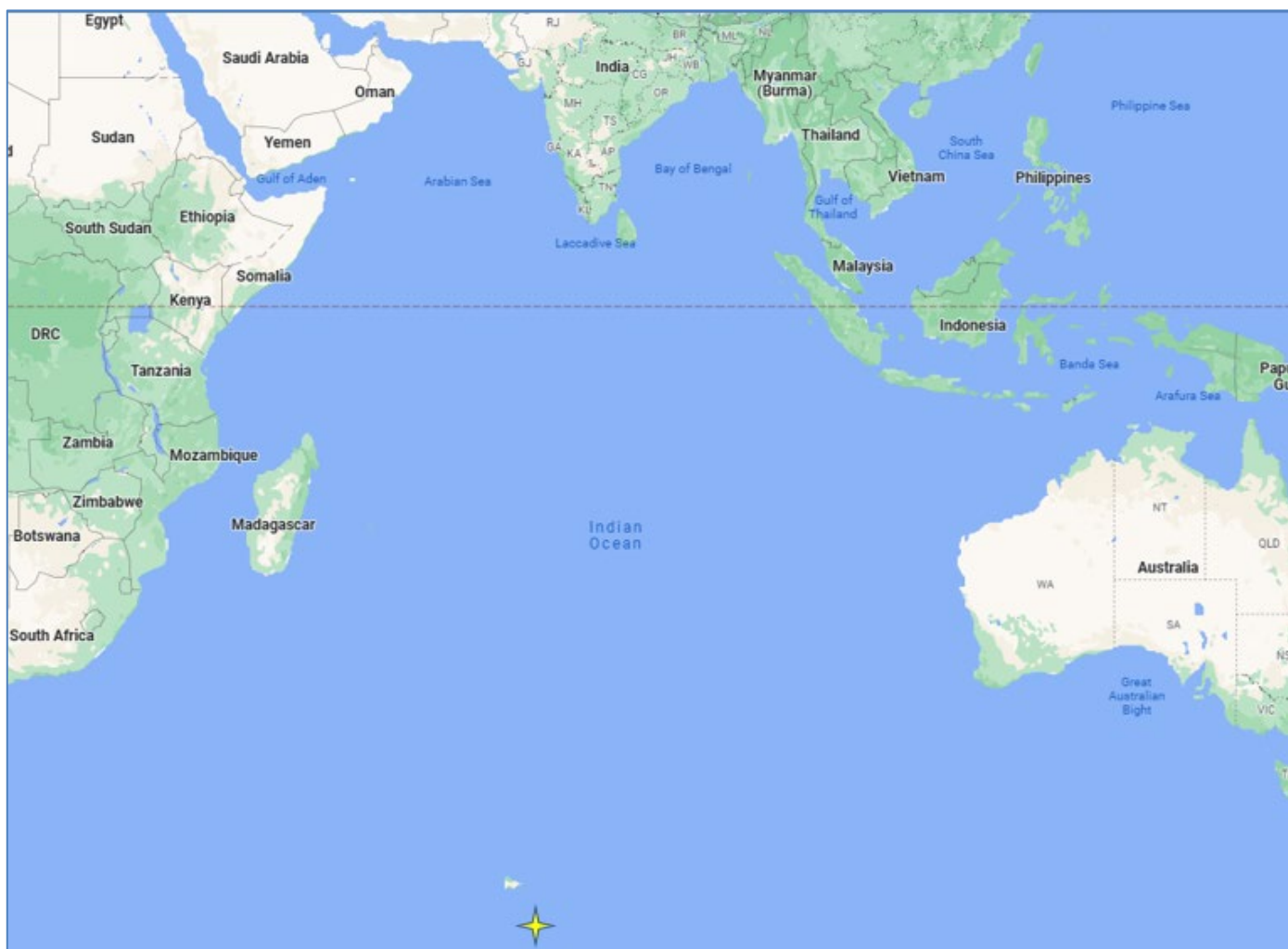




Figure S3-02. Threat Map

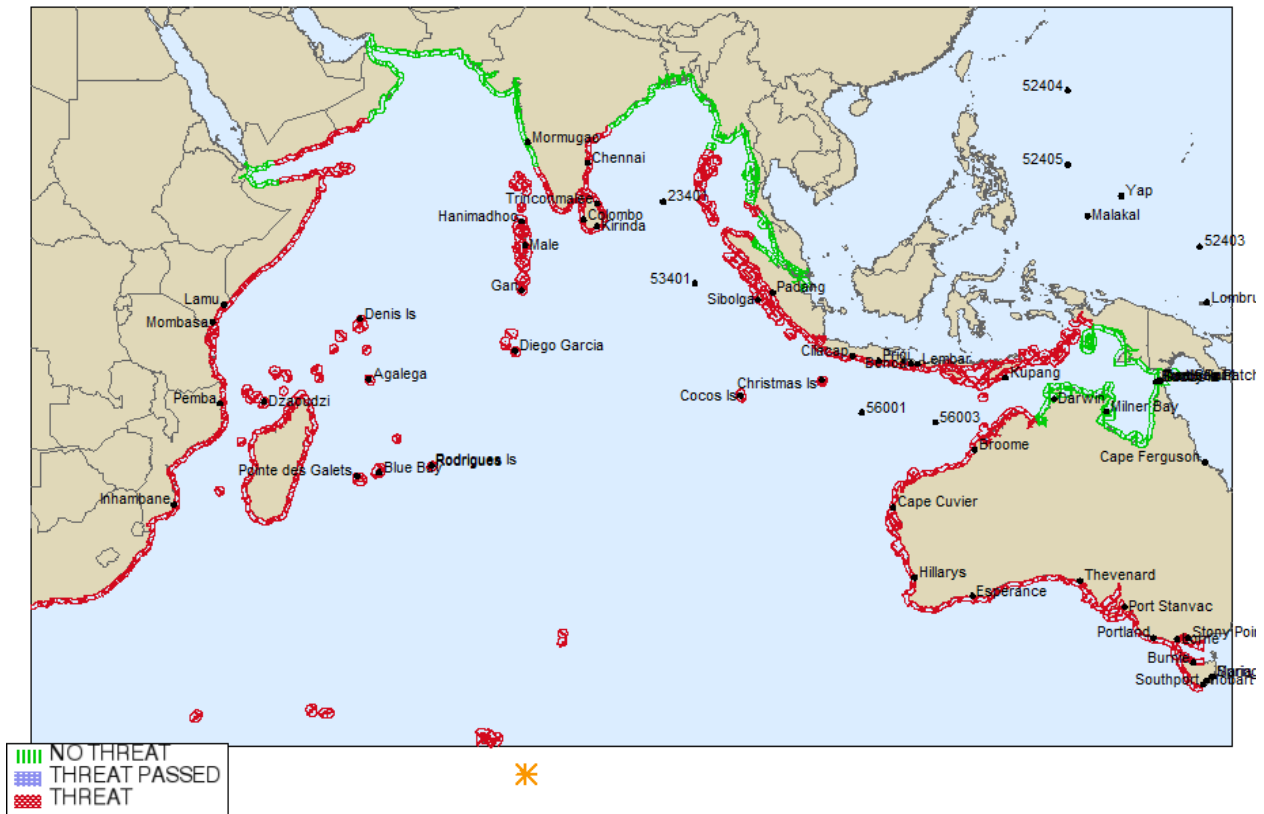
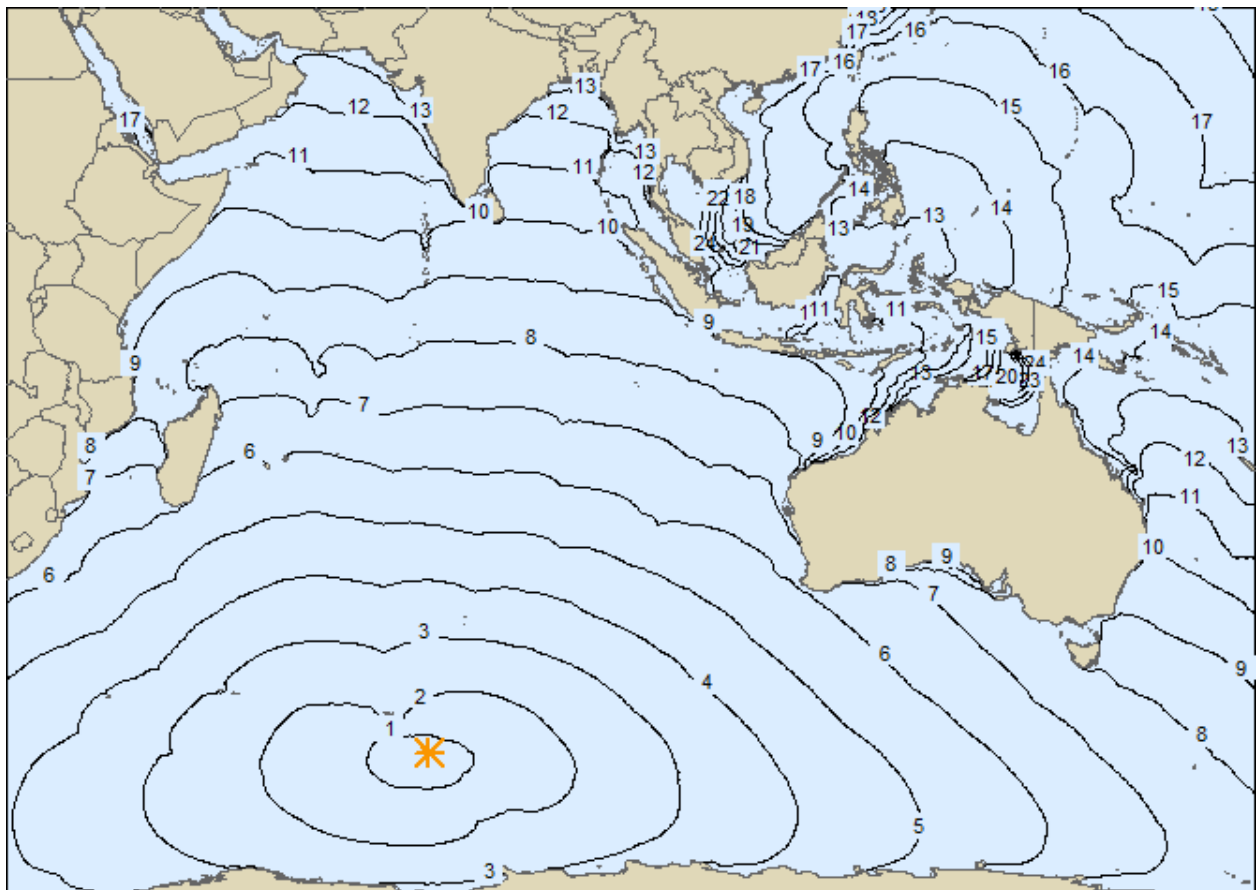


Figure S3-03. Travel Time Map



## 2. TSP AUSTRALIA BULLETINS

# BULLETIN 1

IDY68501

```
#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####
```

-----  
TSUNAMI BULLETIN NUMBER 1 (TYPE-II THREAT ASSESSMENT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 0605 UTC Wednesday 18 October 2023  
-----

... POTENTIAL TSUNAMI THREAT IN THE INDIAN OCEAN ...

This bulletin applies to areas within and bordering the Indian Ocean. It is issued in support of the UNESCO/IOC Indian Ocean Tsunami Warning and Mitigation System (IOTWMS).

### 1. TSUNAMI SOURCE INFORMATION

IOTWMS-TSP AUSTRALIA has detected a volcanic eruption at Heard Island with the following details:

Date: 18 Oct 2023  
Origin Time: 0400 UTC  
Latitude: 53.10S  
Longitude: 73.52E  
Location: KERGUELEN ISLANDS REGION

### 2. EVALUATION

An investigation is under way to determine if a tsunami has been triggered. This TSP will monitor sea level gauges and report if any tsunami wave activity has occurred.

Based on a tsunami travel time threat assessment, the zones listed below are POTENTIALLY UNDER THREAT.

### 3. TSUNAMI THREAT FOR THE INDIAN OCEAN

For this event all locations within 8.00000 hours are considered under Threat.

The list below shows the forecast arrival time of the first wave predicted for the zone.

The list is grouped by country (alphabetic order) and ordered according to the earliest estimated times of arrival at the beach.

Please be aware that actual wave arrival times may differ from those below, and the initial wave may not be the largest. A tsunami is a series of waves and the time between successive waves can be five minutes to one hour.

Dangerous conditions should be expected to continue for a minimum of 10 hours after the predicted arrival time. As local conditions can cause a wide variation in tsunami wave action, CANCELLATION of national warnings and ALL CLEAR determination must be

made by national/state/local authorities.

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	0400Z	18Oct2023
AURORA BANK	0426Z	18Oct2023
LEEUEWIN COAST	1015Z	18Oct2023
ALBANY COAST	1024Z	18Oct2023
GERALDTON COAST	1040Z	18Oct2023
BUNBURY GEOGRAPHE COAST	1042Z	18Oct2023
LANCELIN COAST	1046Z	18Oct2023
PERTH COAST	1047Z	18Oct2023
ESPERANCE COAST	1055Z	18Oct2023
GASCOYNE COAST	1120Z	18Oct2023
NINGALOO COAST	1128Z	18Oct2023
COCOS ISLAND	1140Z	18Oct2023
SOUTH CENTRAL COAST SA	1151Z	18Oct2023
SOUTH WEST COAST TAS	1152Z	18Oct2023
LOWER SOUTH EAST COAST SA	1154Z	18Oct2023
WEST COAST VIC	1158Z	18Oct2023
CENTRAL WEST COAST TAS	1159Z	18Oct2023

FRANCE

ILE KERGUELEN	0534Z	18Oct2023
NES CROZET	0646Z	18Oct2023
ILE DE LA POSSESSION	0652Z	18Oct2023
CROZET PLATEAU	0708Z	18Oct2023
ILE SAINT-PAUL-SOUTH	0720Z	18Oct2023
ILE SAINT-PAUL-NORTH	0729Z	18Oct2023
SAINT-JOSEPH	0948Z	18Oct2023
SAINT-DENIS	1000Z	18Oct2023

MADAGASCAR

MANANTENINA	0954Z	18Oct2023
FARAFAGANA	0954Z	18Oct2023
AMBAHY	1010Z	18Oct2023
TOAMASINA AIRPORT	1017Z	18Oct2023
ANDROKA	1020Z	18Oct2023
SAMPONA	1024Z	18Oct2023
EUROPA ISLAND	1049Z	18Oct2023
VOHEMAR	1049Z	18Oct2023
TAMPOLO	1057Z	18Oct2023
MANJA	1123Z	18Oct2023
ANOROTSANGANA	1124Z	18Oct2023
TAMOTAMO	1145Z	18Oct2023
JUAN DE NOVA ISLAND	1149Z	18Oct2023
GLORIOSO ISLANDS	1153Z	18Oct2023

MAURITIUS

GRANDE REVIERE SUD EST-EAST	0955Z	18Oct2023
GRANDE REVIERE SUD EST-WEST	0958Z	18Oct2023
LA FERME	1006Z	18Oct2023
CARGADOS CARAJOS	1044Z	18Oct2023
AGALEGA ISLAND	1125Z	18Oct2023

MOZAMBIQUE

INHARRIME	1102Z	18Oct2023
POMENE	1113Z	18Oct2023
MAGUEMBA	1116Z	18Oct2023
MAPUTO	1122Z	18Oct2023
VILANKULO	1131Z	18Oct2023
XAI-XAI	1131Z	18Oct2023
MALUANA	1135Z	18Oct2023
ZAVALA	1137Z	18Oct2023

IOC Technical Series, 181 (I) Supplement 3  
page 6

INHASSORO 1146Z 18Oct2023  
MOEBASE 1155Z 18Oct2023  
MOGINCUAL 1158Z 18Oct2023

SEYCHELLES

FARQUHAR GROUP 1133Z 18Oct2023  
ASTOVE ISLAND 1153Z 18Oct2023  
ALPHONSE ISLAND 1157Z 18Oct2023  
COETIVY ISLAND 1159Z 18Oct2023

SOUTH AFRICA

FUNK SEAMOUNT 0753Z 18Oct2023  
ZIKHOVA 1028Z 18Oct2023  
KENTANI 1029Z 18Oct2023  
LUSIKISIKI 1031Z 18Oct2023  
PEDDIE 1031Z 18Oct2023  
KAYSER'S BEACH 1032Z 18Oct2023  
ELLIOTDALE 1032Z 18Oct2023  
MARSHSTRAND 1032Z 18Oct2023  
WILLOWVALE 1032Z 18Oct2023  
PORT ST JOHNS 1033Z 18Oct2023  
NGQUELENI 1034Z 18Oct2023  
MARGATE 1035Z 18Oct2023  
BIZANA 1035Z 18Oct2023  
BATHURST 1036Z 18Oct2023  
ALEXANDRIA 1036Z 18Oct2023  
KELSO 1037Z 18Oct2023  
MANDI 1044Z 18Oct2023  
PORT DURNFORD 1047Z 18Oct2023  
GWABALANDA HITAWI 1048Z 18Oct2023  
PORT ELIZABETH 1050Z 18Oct2023  
GAMTOOS 1050Z 18Oct2023  
LAKE SIBAYI 1053Z 18Oct2023  
ABORETUM 1054Z 18Oct2023  
KOSIMEER 1101Z 18Oct2023  
HUMANSDORP 1110Z 18Oct2023  
HANKEY 1117Z 18Oct2023  
GEORGE 1126Z 18Oct2023  
HEIDELBERG 1132Z 18Oct2023  
MOSSEL 1140Z 18Oct2023

4. ADVICE

This bulletin is being issued as advice. Only national/state/local authorities and disaster management officers have the authority to make decisions regarding the official threat and warning status in their coastal areas and any action to be taken in response.

5. UPDATES

Additional bulletins will be issued by IOTWMS-TSP AUSTRALIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:

TSP INDIA: <http://www.incois.gov.in/Incois/tsunami/eqevents.jsp>  
TSP INDONESIA: <http://rtsp.bmkg.go.id>

6. CONTACT INFORMATION

IOTWMS-TSP AUSTRALIA  
Joint Australian Tsunami Warning Centre (JATWC)  
Bureau of Meteorology  
GPO BOX 1289 Melbourne, Victoria, Australia, 3001

<http://reg.bom.gov.au/tsunami/rtsp>

END OF BULLETIN

-----  
#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####

## BULLETIN 2

IDY68501

```
#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####
```

```
-----  
TSUNAMI BULLETIN NUMBER 2 (TYPE-III CONFIRMED THREAT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 0630 UTC Wednesday 18 October 2023  
-----
```

... CONFIRMED TSUNAMI THREAT IN THE INDIAN OCEAN...

This bulletin applies to areas within and bordering the Indian Ocean. It is issued in support of the UNESCO/IOC Indian Ocean Tsunami Warning and Mitigation System (IOTWMS).

### 1. TSUNAMI SOURCE INFORMATION

IOTWMS-TSP AUSTRALIA has detected a volcanic eruption at Heard Island with the following details:

Date: 18 Oct 2023  
Origin Time: 0400 UTC  
Latitude: 53.10S  
Longitude: 73.52E  
Location: KERGUELEN ISLANDS REGION

### 2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.  
Maximum wave amplitudes observed so far:

Kerguelen Is	FRANCE	49.50S	70.17E	2.40m	18 Oct 06:25 UTC
--------------	--------	--------	--------	-------	------------------

Based on a tsunami travel time threat assessment, the zones listed below are POTENTIALLY UNDER THREAT.

### 3. TSUNAMI THREAT FOR THE INDIAN OCEAN

For this event all locations within 8.00000 hours are considered under Threat.

The list below shows the forecast arrival time of the first wave predicted for the zone.

The list is grouped by country (alphabetic order) and ordered according to the earliest estimated times of arrival at the beach.

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Dangerous conditions should be expected to continue for a minimum of 10 hours after the predicted arrival time. As local conditions can cause a wide variation in tsunami wave action, CANCELLATION of national warnings and ALL CLEAR determination must be made by national/state/local authorities.

AUSTRALIA

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GAMTOOS 1050Z 18Oct2023  
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IOTWMS-TSP AUSTRALIA

Joint Australian Tsunami Warning Centre (JATWC)

Bureau of Meteorology

GPO BOX 1289 Melbourne, Victoria, Australia, 3001

<http://reg.bom.gov.au/tsunami/rtsp>



END OF BULLETIN

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#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####

# BULLETIN 3

IDY68501

```
#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####
```

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TSUNAMI BULLETIN NUMBER 3 (TYPE-III CONFIRMED THREAT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 0730 UTC Wednesday 18 October 2023  
-----

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Latitude: 53.10S  
Longitude: 73.52E  
Location: KERGUELEN ISLANDS REGION

## 2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.  
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For this event all locations within 9.00000 hours are considered under Threat.

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Dangerous conditions should be expected to continue for a minimum of 11 hours after the predicted arrival time. As local conditions can cause a wide variation in tsunami wave action, CANCELLATION of national warnings and ALL CLEAR determination must be made by national/state/local authorities.

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	0400Z	18Oct2023
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ALBANY COAST	1024Z	18Oct2023
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BUNBURY GEOGRAPHE COAST	1042Z	18Oct2023
LANCELIN COAST	1046Z	18Oct2023
PERTH COAST	1047Z	18Oct2023
ESPERANCE COAST	1055Z	18Oct2023
GASCOYNE COAST	1120Z	18Oct2023
NINGALOO COAST	1128Z	18Oct2023
COCOS ISLAND	1140Z	18Oct2023
SOUTH CENTRAL COAST SA	1151Z	18Oct2023
SOUTH WEST COAST TAS	1152Z	18Oct2023
LOWER SOUTH EAST COAST SA	1154Z	18Oct2023
WEST COAST VIC	1158Z	18Oct2023
CENTRAL WEST COAST TAS	1159Z	18Oct2023
EUCLA COAST	1202Z	18Oct2023
LOWER WEST COAST SA	1210Z	18Oct2023
CHRISTMAS ISLAND	1217Z	18Oct2023
FAR NORTH WEST COAST TAS	1217Z	18Oct2023
PILBARA COAST WEST	1218Z	18Oct2023
CENTRAL COAST SA	1218Z	18Oct2023
UPPER SOUTH EAST COAST SA	1224Z	18Oct2023
CENTRAL COAST VIC	1234Z	18Oct2023
UPPER WEST COAST SA	1242Z	18Oct2023
FAR WEST COAST SA	1252Z	18Oct2023

COMOROS

DZAOUDZI	1218Z	18Oct2023
BAMBEO	1220Z	18Oct2023
FOMBONI	1230Z	18Oct2023
CHEZANI	1231Z	18Oct2023

FRANCE

ILE KERGUELEN	0534Z	18Oct2023
NES CROZET	0646Z	18Oct2023
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ILE SAINT-PAUL-NORTH	0729Z	18Oct2023
SAINT-JOSEPH	0948Z	18Oct2023
SAINT-DENIS	1000Z	18Oct2023

INDONESIA

BANTEN PANDEGLANG S	1244Z	18Oct2023
BENGKULU BENGKULU-UTARA P.ENGGANO	1246Z	18Oct2023
JABAR CIANJUR SINDANGBARANG	1247Z	18Oct2023
JABAR GARUT	1247Z	18Oct2023
JABAR SUKABUMI UJUNG-GENTENG	1247Z	18Oct2023
BANTEN LEBAK	1249Z	18Oct2023
BANTEN PANDEGLANG P.PANAITAN	1249Z	18Oct2023
JABAR TASIKMALAYA	1250Z	18Oct2023
JABAR SUKABUMI PELABUHAN-RATU	1250Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	1255Z	18Oct2023
LAMPUNG TANGGAMUS B	1256Z	18Oct2023
JATIM TRENGGALEK	1258Z	18Oct2023
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	1258Z	18Oct2023
JABAR CIAMIS	1258Z	18Oct2023
JATENG KEBUMEN	1259Z	18Oct2023
JATIM PACITAN	1300Z	18Oct2023

LAMPUNG TANGGAMUS P.TABUAN	1300Z	18Oct2023
LAMPUNG TANGGAMUS T	1300Z	18Oct2023
JATIM MALANG	1300Z	18Oct2023
JATIM BANYUWANGI S	1300Z	18Oct2023

MADAGASCAR

MANANTENINA	0954Z	18Oct2023
FARAFAGANA	0954Z	18Oct2023
AMBAHY	1010Z	18Oct2023
TOAMASINA AIRPORT	1017Z	18Oct2023
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TAMOTAMO	1145Z	18Oct2023
JUAN DE NOVA ISLAND	1149Z	18Oct2023
GLORIOSO ISLANDS	1153Z	18Oct2023
AMBANJA	1229Z	18Oct2023
BALY	1231Z	18Oct2023

MAURITIUS

GRANDE REVIERE SUD EST-EAST	0955Z	18Oct2023
GRANDE REVIERE SUD EST-WEST	0958Z	18Oct2023
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AGALEGA ISLAND	1125Z	18Oct2023

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MAGUEMBA	1116Z	18Oct2023
MAPUTO	1122Z	18Oct2023
VILANKULO	1131Z	18Oct2023
XAI-XAI	1131Z	18Oct2023
MALUANA	1135Z	18Oct2023
ZAVALA	1137Z	18Oct2023
INHASSORO	1146Z	18Oct2023
MOEBASE	1155Z	18Oct2023
MOGINCUAL	1158Z	18Oct2023
OCONE	1202Z	18Oct2023
NAMORRE	1203Z	18Oct2023
AMADE	1209Z	18Oct2023
LUMBO	1212Z	18Oct2023
NANGATA	1220Z	18Oct2023
LURIO	1228Z	18Oct2023
NHANGAU	1229Z	18Oct2023
MECUFI	1230Z	18Oct2023
MURREBUE	1235Z	18Oct2023
PEMBA	1237Z	18Oct2023
MAIONGUE	1243Z	18Oct2023
VILA DO CHINDE	1245Z	18Oct2023
TAVARI	1246Z	18Oct2023
QUITERAJO	1248Z	18Oct2023
NOVA LUSITANIA	1251Z	18Oct2023
MINHAUINE	1254Z	18Oct2023

SEYCHELLES

FARQUHAR GROUP	1133Z	18Oct2023
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ASTOVE ISLAND 1153Z 18Oct2023  
ALPHONSE ISLAND 1157Z 18Oct2023  
COETIVY ISLAND 1159Z 18Oct2023  
ALDABRA 1207Z 18Oct2023  
TAKAMAKA 1212Z 18Oct2023  
ILE DESROCHES 1216Z 18Oct2023  
FREGATE ISLAND 1251Z 18Oct2023

SOUTH AFRICA

FUNK SEAMOUNT 0753Z 18Oct2023  
ZIKHOVA 1028Z 18Oct2023  
KENTANI 1029Z 18Oct2023  
LUSIKISIKI 1031Z 18Oct2023  
PEDDIE 1031Z 18Oct2023  
WILLOWVALE 1032Z 18Oct2023  
ELLIOTDALE 1032Z 18Oct2023  
MARSHSTRAND 1032Z 18Oct2023  
KAYSER'S BEACH 1032Z 18Oct2023  
PORT ST JOHNS 1033Z 18Oct2023  
NGQUELENI 1034Z 18Oct2023  
MARGATE 1035Z 18Oct2023  
BIZANA 1035Z 18Oct2023  
BATHURST 1036Z 18Oct2023  
ALEXANDRIA 1036Z 18Oct2023  
KELSO 1037Z 18Oct2023  
MANDI 1044Z 18Oct2023  
PORT DURNFORD 1047Z 18Oct2023  
GWABALANDA HITAWI 1048Z 18Oct2023  
PORT ELIZABETH 1050Z 18Oct2023  
GAMTOOS 1050Z 18Oct2023  
LAKE SIBAYI 1053Z 18Oct2023  
ABORETUM 1054Z 18Oct2023  
KOSIMEER 1101Z 18Oct2023  
HUMANSDORP 1110Z 18Oct2023  
HANKEY 1117Z 18Oct2023  
GEORGE 1126Z 18Oct2023  
HEIDELBERG 1132Z 18Oct2023  
MOSSEL 1140Z 18Oct2023  
WITAAND 1202Z 18Oct2023  
BREDASDORP 1203Z 18Oct2023

UNITED KINGDOM

DIEGO GARCIA 1204Z 18Oct2023  
NW EGMONT ISLAND 1226Z 18Oct2023  
MORESBY ISLAND 1230Z 18Oct2023

4. ADVICE

This bulletin is being issued as advice. Only national/state/local authorities and disaster management officers have the authority to make decisions regarding the official threat and warning status in their coastal areas and any action to be taken in response.

5. UPDATES

Additional bulletins will be issued by IOTWMS-TSP AUSTRALIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:

TSP INDIA: <http://www.incois.gov.in/Incois/tsunami/eqevents.jsp>  
TSP INDONESIA: <http://rtsp.bmkg.go.id>

6. CONTACT INFORMATION

IOTWMS-TSP AUSTRALIA

Joint Australian Tsunami Warning Centre (JATWC)

Bureau of Meteorology  
GPO BOX 1289 Melbourne, Victoria, Australia, 3001  
<http://reg.bom.gov.au/tsunami/rtsp>

END OF BULLETIN

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#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####

# BULLETIN 4

IDY68501

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#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####
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TSUNAMI BULLETIN NUMBER 4 (TYPE-III CONFIRMED THREAT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 0830 UTC Wednesday 18 October 2023  
-----

... CONFIRMED TSUNAMI THREAT IN THE INDIAN OCEAN...

This bulletin applies to areas within and bordering the Indian Ocean. It is issued in support of the UNESCO/IOC Indian Ocean Tsunami Warning and Mitigation System (IOTWMS).

## 1. TSUNAMI SOURCE INFORMATION

IOTWMS-TSP AUSTRALIA has detected a volcanic eruption at Heard Island with the following details:

Date: 18 Oct 2023  
Origin Time: 0400 UTC  
Latitude: 53.10S  
Longitude: 73.52E  
Location: KERGUELEN ISLANDS REGION

## 2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.  
Maximum wave amplitudes observed so far:

Kerguelen Is	FRANCE	49.50S	70.17E	3.58m	18 Oct 06:42 UTC
Marion Island	SOUTH AFRICA	46.90S	37.87E	2.52m	18 Oct 08:10 UTC

Based on a tsunami travel time threat assessment, the zones listed below are POTENTIALLY UNDER THREAT.

## 3. TSUNAMI THREAT FOR THE INDIAN OCEAN

For this event all locations within 10.0000 hours are considered under Threat.

The list below shows the forecast arrival time of the first wave predicted for the zone.

The list is grouped by country (alphabetic order) and ordered according to the earliest estimated times of arrival at the beach.

Please be aware that actual wave arrival times may differ from those below, and the initial wave may not be the largest. A tsunami is a series of waves and the time between successive waves can be five minutes to one hour.

Dangerous conditions should be expected to continue for a minimum of 12 hours after the predicted arrival time. As local conditions can cause a wide variation in tsunami wave action, CANCELLATION of national warnings and ALL CLEAR determination must be made by national/state/local authorities.

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	0400Z	18Oct2023
AURORA BANK	0426Z	18Oct2023
LEEUEWIN COAST	1015Z	18Oct2023
ALBANY COAST	1024Z	18Oct2023
GERALDTON COAST	1040Z	18Oct2023
BUNBURY GEOGRAPHE COAST	1042Z	18Oct2023
LANCELIN COAST	1046Z	18Oct2023
PERTH COAST	1047Z	18Oct2023
ESPERANCE COAST	1055Z	18Oct2023
GASCOYNE COAST	1120Z	18Oct2023
NINGALOO COAST	1128Z	18Oct2023
COCOS ISLAND	1140Z	18Oct2023
SOUTH CENTRAL COAST SA	1151Z	18Oct2023
SOUTH WEST COAST TAS	1152Z	18Oct2023
LOWER SOUTH EAST COAST SA	1154Z	18Oct2023
WEST COAST VIC	1158Z	18Oct2023
CENTRAL WEST COAST TAS	1159Z	18Oct2023
EUCLA COAST	1202Z	18Oct2023
LOWER WEST COAST SA	1210Z	18Oct2023
CHRISTMAS ISLAND	1217Z	18Oct2023
FAR NORTH WEST COAST TAS	1217Z	18Oct2023
PILBARA COAST WEST	1218Z	18Oct2023
CENTRAL COAST SA	1218Z	18Oct2023
UPPER SOUTH EAST COAST SA	1224Z	18Oct2023
CENTRAL COAST VIC	1234Z	18Oct2023
UPPER WEST COAST SA	1242Z	18Oct2023
FAR WEST COAST SA	1252Z	18Oct2023
PILBARA COAST EAST	1327Z	18Oct2023
ASHMORE REEF	1348Z	18Oct2023

COMOROS

DZAOUDZI	1218Z	18Oct2023
BAMBEO	1220Z	18Oct2023
FOMBONI	1230Z	18Oct2023
CHEZANI	1231Z	18Oct2023

FRANCE

ILE KERGUELEN	0534Z	18Oct2023
NES CROZET	0646Z	18Oct2023
ILE DE LA POSSESSION	0652Z	18Oct2023
CROZET PLATEAU	0708Z	18Oct2023
ILE SAINT-PAUL-SOUTH	0720Z	18Oct2023
ILE SAINT-PAUL-NORTH	0729Z	18Oct2023
SAINT-JOSEPH	0948Z	18Oct2023
SAINT-DENIS	1000Z	18Oct2023

INDONESIA

BANTEN PANDEGLANG S	1244Z	18Oct2023
BENGKULU BENGKULU-UTARA P.ENGGANO	1246Z	18Oct2023
JABAR SUKABUMI UJUNG-GENTENG	1247Z	18Oct2023
JABAR CIANJUR SINDANGBARANG	1247Z	18Oct2023
JABAR GARUT	1247Z	18Oct2023
BANTEN PANDEGLANG P.PANAITAN	1249Z	18Oct2023
BANTEN LEBAK	1249Z	18Oct2023
JABAR TASIKMALAYA	1250Z	18Oct2023
JABAR SUKABUMI PELABUHAN-RATU	1250Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	1255Z	18Oct2023
LAMPUNG TANGGAMUS B	1256Z	18Oct2023
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	1258Z	18Oct2023
JABAR CIAMIS	1258Z	18Oct2023



JATIM TRENGGALEK	1258Z 18Oct2023
JATENG KEBUMEN	1259Z 18Oct2023
LAMPUNG TANGGAMUS T	1300Z 18Oct2023
JATIM BANYUWANGI S	1300Z 18Oct2023
LAMPUNG TANGGAMUS P.TABUAN	1300Z 18Oct2023
JATIM MALANG	1300Z 18Oct2023
JATIM PACITAN	1300Z 18Oct2023
DIY GUNUNG-KIDUL	1301Z 18Oct2023
JATENG WONOGIRI	1301Z 18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	1301Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	1302Z 18Oct2023
BALI BADUNG PANTAI-KUTA	1303Z 18Oct2023
JATENG PURWOREJO	1303Z 18Oct2023
BENGKULU BENGKULU-SELATAN	1304Z 18Oct2023
DIY KULON-PROGO	1304Z 18Oct2023
JATIM TULUNGAGUNG	1304Z 18Oct2023
JATENG CILACAP	1304Z 18Oct2023
NTB LOMBOK-BARAT S	1304Z 18Oct2023
BENGKULU KAUR	1304Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	1304Z 18Oct2023
JATIM BLITAR	1305Z 18Oct2023
NTB LOMBOK-TENGAH	1305Z 18Oct2023
JATIM JEMBER P.NUSABARUNG	1305Z 18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	1305Z 18Oct2023
JATIM JEMBER	1305Z 18Oct2023
BALI DENPASAR PANTAI-SANUR	1306Z 18Oct2023
BALI KLUNGKUNG P.NUSAPENIDA	1306Z 18Oct2023
DIY BANTUL	1307Z 18Oct2023
NTB LOMBOK-TIMUR S	1307Z 18Oct2023
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	1308Z 18Oct2023
NTB SUMBAWA B	1308Z 18Oct2023
NTB SUMBAWA S	1309Z 18Oct2023
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	1310Z 18Oct2023
JATIM LUMAJANG	1312Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN KALIANDA	1313Z 18Oct2023
BALI TABANAN	1313Z 18Oct2023
BANTEN PANDEGLANG U	1314Z 18Oct2023
MUARASIBERUT	1315Z 18Oct2023
BENGKULU SELUMA	1317Z 18Oct2023
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	1317Z 18Oct2023
NTT SUMBA B	1318Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	1319Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN B	1319Z 18Oct2023
BENGKULU BENGKULU-UTARA U	1320Z 18Oct2023
NTT SUMBA T	1321Z 18Oct2023
NTB DOMPU S	1321Z 18Oct2023
SUMUT NIAS-SELATAN P.TANABALA	1322Z 18Oct2023
BENGKULU BENGKULU-UTARA S	1323Z 18Oct2023
NTB KOTA-BIMA S	1325Z 18Oct2023
BENGKULU MUKOMUKO	1325Z 18Oct2023
SUMUT NIAS-SELATAN P.TANAHMASA	1326Z 18Oct2023
SAKUBO	1329Z 18Oct2023
SUMBAR PESISIR-SELATAN S	1330Z 18Oct2023
SUMUT NIAS B	1331Z 18Oct2023
SUMUT NIAS-SELATAN P.NIAS	1333Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	1334Z 18Oct2023
NTT KUPANG	1334Z 18Oct2023
MURASAIBI	1334Z 18Oct2023
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	1335Z 18Oct2023
SUMBAR PESISIR-SELATAN U	1336Z 18Oct2023
NTT MANGGARAI-BARAT P.	1337Z 18Oct2023
BANTEN KOTA-CILEGON P.SANGIANG	1337Z 18Oct2023
NAD SIMEULUE P.SIMEULUE	1340Z 18Oct2023
NTT MANGGARAI-BARAT S	1341Z 18Oct2023

MUARASIGEP	1341Z	18Oct2023
SUMBAR KOTA-PADANG S	1342Z	18Oct2023
NTT ROTENDAO	1344Z	18Oct2023
BANTEN SERANG B	1344Z	18Oct2023
NIAS-EAST	1347Z	18Oct2023
NTB BIMA P.GILI	1348Z	18Oct2023
SUMBAR PADANG-PARIAMAN S	1348Z	18Oct2023
SUMBAR KOTA-PADANG U	1348Z	18Oct2023
SUMBAR KOTA-PARIAMAN	1348Z	18Oct2023
NAD ACEH-SINGKIL KEP.BANYAK	1349Z	18Oct2023
SUMBAR KOTA-PADANG U	1349Z	18Oct2023
GUNUNGSITOLI	1350Z	18Oct2023
NTT NGADA S	1351Z	18Oct2023
NTT MANGGARAI S	1351Z	18Oct2023
NTT ENDE S	1351Z	18Oct2023
SUMBAR PADANG-PARIAMAN U	1352Z	18Oct2023
NTT SIKKA S	1354Z	18Oct2023
SOUTH OF BODAHAYIONE	1354Z	18Oct2023
SUMBAR AGAM	1356Z	18Oct2023
NIAS-NORTH	1357Z	18Oct2023
NTT FLORES-TIMUR S	1358Z	18Oct2023
NTT FLORES-TIMUR P.SOLOR	1359Z	18Oct2023
NIAS	1400Z	18Oct2023

KENYA

KIWAYU	1329Z	18Oct2023
MVULENI	1334Z	18Oct2023
KISIMACHANDE	1337Z	18Oct2023
TAKAUNGU	1337Z	18Oct2023
MALINDI	1338Z	18Oct2023
KIPINI	1341Z	18Oct2023

MADAGASCAR

MANANTENINA	0954Z	18Oct2023
FARAFAGANA	0954Z	18Oct2023
AMBAHY	1010Z	18Oct2023
TOAMASINA AIRPORT	1017Z	18Oct2023
ANDROKA	1020Z	18Oct2023
SAMPONA	1024Z	18Oct2023
EUROPA ISLAND	1049Z	18Oct2023
VOHEMAR	1049Z	18Oct2023
TAMPOLO	1057Z	18Oct2023
MANJA	1123Z	18Oct2023
ANOROTSANGANA	1124Z	18Oct2023
TAMOTAMO	1145Z	18Oct2023
JUAN DE NOVA ISLAND	1149Z	18Oct2023
GLORIOSO ISLANDS	1153Z	18Oct2023
AMBANJA	1229Z	18Oct2023
BALY	1231Z	18Oct2023

MALDIVES

HITHADHOO	1303Z	18Oct2023
THINADHOO	1318Z	18Oct2023
DHIYAMIGILI	1328Z	18Oct2023
KOLHUFUSHI	1339Z	18Oct2023
NILANDHOO	1344Z	18Oct2023
MALE	1354Z	18Oct2023
FERIDHOO	1355Z	18Oct2023

MAURITIUS

GRANDE REVIERE SUD EST-EAST	0955Z	18Oct2023
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GRANDE REVIERE SUD EST-WEST	0958Z	18Oct2023
LA FERME	1006Z	18Oct2023
CARGADOS CARAJOS	1044Z	18Oct2023
AGALEGA ISLAND	1125Z	18Oct2023

MOZAMBIQUE

INHARRIME	1102Z	18Oct2023
POMENE	1113Z	18Oct2023
MAGUEMBA	1116Z	18Oct2023
MAPUTO	1122Z	18Oct2023
VILANKULO	1131Z	18Oct2023
XAI-XAI	1131Z	18Oct2023
MALUANA	1135Z	18Oct2023
ZAVALA	1137Z	18Oct2023
INHASSORO	1146Z	18Oct2023
MOEBASE	1155Z	18Oct2023
MOGINCUAL	1158Z	18Oct2023
OCONE	1202Z	18Oct2023
NAMORRE	1203Z	18Oct2023
AMADE	1209Z	18Oct2023
LUMBO	1212Z	18Oct2023
NANGATA	1220Z	18Oct2023
LURIO	1228Z	18Oct2023
NHANGAU	1229Z	18Oct2023
MECUFI	1230Z	18Oct2023
MURREBUE	1235Z	18Oct2023
PEMBA	1237Z	18Oct2023
MAIONGUE	1243Z	18Oct2023
VILA DO CHINDE	1245Z	18Oct2023
TAVARI	1246Z	18Oct2023
QUITERAJÓ	1248Z	18Oct2023
NOVA LUSITANIA	1251Z	18Oct2023
MINHAUINE	1254Z	18Oct2023
MERONVI	1303Z	18Oct2023
MAGANJA	1304Z	18Oct2023

SEYCHELLES

FARQUHAR GROUP	1133Z	18Oct2023
ASTOVE ISLAND	1153Z	18Oct2023
ALPHONSE ISLAND	1157Z	18Oct2023
COETIVY ISLAND	1159Z	18Oct2023
ALDABRA	1207Z	18Oct2023
TAKAMAKA	1212Z	18Oct2023
ILE DESROCHES	1216Z	18Oct2023
FREGATE ISLAND	1251Z	18Oct2023

SOMALIA

KAAMBOONI	1328Z	18Oct2023
TURDHO	1331Z	18Oct2023
NE BEERNAASI	1331Z	18Oct2023
JILIB	1332Z	18Oct2023
BARAAWE	1334Z	18Oct2023
UARSCIECH	1335Z	18Oct2023
ITALA	1336Z	18Oct2023
BEYNAX BARRE	1337Z	18Oct2023
MUQDISHO	1338Z	18Oct2023
MAREEG	1343Z	18Oct2023
CEEL DHEER	1349Z	18Oct2023
XARARDHEERE	1353Z	18Oct2023
GALDOGOB	1359Z	18Oct2023

SOUTH AFRICA

FUNK SEAMOUNT	0753Z	18Oct2023
ZIKHOVA	1028Z	18Oct2023

KENTANI	1029Z	18Oct2023
LUSIKISIKI	1031Z	18Oct2023
PEDDIE	1031Z	18Oct2023
WILLOWVALE	1032Z	18Oct2023
ELLIOTDALE	1032Z	18Oct2023
MARSHSTRAND	1032Z	18Oct2023
KAYSER'S BEACH	1032Z	18Oct2023
PORT ST JOHNS	1033Z	18Oct2023
NGQUELENI	1034Z	18Oct2023
MARGATE	1035Z	18Oct2023
BIZANA	1035Z	18Oct2023
BATHURST	1036Z	18Oct2023
ALEXANDRIA	1036Z	18Oct2023
KELSO	1037Z	18Oct2023
MANDI	1044Z	18Oct2023
PORT DURNFORD	1047Z	18Oct2023
GWABALANDA HITAWI	1048Z	18Oct2023
PORT ELIZABETH	1050Z	18Oct2023
GAMTOOS	1050Z	18Oct2023
LAKE SIBAYI	1053Z	18Oct2023
ABORETUM	1054Z	18Oct2023
KOSIMEER	1101Z	18Oct2023
HUMANSDORP	1110Z	18Oct2023
HANKEY	1117Z	18Oct2023
GEORGE	1126Z	18Oct2023
HEIDELBERG	1132Z	18Oct2023
MOSSEL	1140Z	18Oct2023
WITAAND	1202Z	18Oct2023
BREDASDORP	1203Z	18Oct2023

SRI LANKA

MATARA	1354Z	18Oct2023
GALLE	1355Z	18Oct2023

TANZANIA

MADANGWA	1308Z	18Oct2023
RUVU	1310Z	18Oct2023
JIMBO	1320Z	18Oct2023
VUMBA	1322Z	18Oct2023
SONGO SONGO ISLAND	1322Z	18Oct2023
ZANZIBAR	1323Z	18Oct2023
VUMBI	1327Z	18Oct2023
GAZIJA	1328Z	18Oct2023
KUTANI	1331Z	18Oct2023
MSASANI	1339Z	18Oct2023
BAGAMOYO	1340Z	18Oct2023
BOMALANDNI	1346Z	18Oct2023
WEST TO KONDE	1349Z	18Oct2023

UNITED KINGDOM

DIEGO GARCIA	1204Z	18Oct2023
NW EGMONT ISLAND	1226Z	18Oct2023
MORESBY ISLAND	1230Z	18Oct2023

4. ADVICE

This bulletin is being issued as advice. Only national/state/local authorities and disaster management officers have the authority to make decisions regarding the official threat and warning status in their coastal areas and any action to be taken in response.

5. UPDATES

Additional bulletins will be issued by IOTWMS-TSP AUSTRALIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:

TSP INDIA: <http://www.incois.gov.in/Incois/tsunami/eqevents.jsp>

TSP INDONESIA: <http://rtsp.bmkg.go.id>

6. CONTACT INFORMATION

IOTWMS-TSP AUSTRALIA

Joint Australian Tsunami Warning Centre (JATWC)

Bureau of Meteorology

GPO BOX 1289 Melbourne, Victoria, Australia, 3001

<http://reg.bom.gov.au/tsunami/rtsp>

END OF BULLETIN

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#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####

# BULLETIN 5

IDY68501

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#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####
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TSUNAMI BULLETIN NUMBER 5 (TYPE-III CONFIRMED THREAT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 0930 UTC Wednesday 18 October 2023  
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... CONFIRMED TSUNAMI THREAT IN THE INDIAN OCEAN...

This bulletin applies to areas within and bordering the Indian Ocean. It is issued in support of the UNESCO/IOC Indian Ocean Tsunami Warning and Mitigation System (IOTWMS).

## 1. TSUNAMI SOURCE INFORMATION

IOTWMS-TSP AUSTRALIA has detected a volcanic eruption at Heard Island with the following details:

Date: 18 Oct 2023  
Origin Time: 0400 UTC  
Latitude: 53.10S  
Longitude: 73.52E  
Location: KERGUELEN ISLANDS REGION

## 2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.  
Maximum wave amplitudes observed so far:

Kerguelen Is	FRANCE	49.50S	70.17E	3.58m	18 Oct 06:42 UTC
Marion Island	SOUTH AFRICA	46.90S	37.87E	2.52m	18 Oct 08:10 UTC
Syowa	ANTARCTICA	69.00S	39.57E	2.53m	18 Oct 08:38 UTC

Based on a tsunami travel time threat assessment, the zones listed below are POTENTIALLY UNDER THREAT.

## 3. TSUNAMI THREAT FOR THE INDIAN OCEAN

For this event all locations within 11.0000 hours are considered under Threat.

The list below shows the forecast arrival time of the first wave predicted for the zone.

The list is grouped by country (alphabetic order) and ordered according to the earliest estimated times of arrival at the beach.

Please be aware that actual wave arrival times may differ from those below, and the initial wave may not be the largest. A tsunami is a series of waves and the time between successive waves can be five minutes to one hour.

Dangerous conditions should be expected to continue for a minimum of 13 hours after the predicted arrival time. As local conditions can cause a wide variation in tsunami wave action,

CANCELLATION of national warnings and ALL CLEAR determination must be made by national/state/local authorities.

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	0400Z	18Oct2023
AURORA BANK	0426Z	18Oct2023
LEEUEWIN COAST	1015Z	18Oct2023
ALBANY COAST	1024Z	18Oct2023
GERALDTON COAST	1040Z	18Oct2023
BUNBURY GEOGRAPHE COAST	1042Z	18Oct2023
LANCELIN COAST	1046Z	18Oct2023
PERTH COAST	1047Z	18Oct2023
ESPERANCE COAST	1055Z	18Oct2023
GASCOYNE COAST	1120Z	18Oct2023
NINGALOO COAST	1128Z	18Oct2023
COCOS ISLAND	1140Z	18Oct2023
SOUTH CENTRAL COAST SA	1151Z	18Oct2023
SOUTH WEST COAST TAS	1152Z	18Oct2023
LOWER SOUTH EAST COAST SA	1154Z	18Oct2023
WEST COAST VIC	1158Z	18Oct2023
CENTRAL WEST COAST TAS	1159Z	18Oct2023
EUCLA COAST	1202Z	18Oct2023
LOWER WEST COAST SA	1210Z	18Oct2023
FAR NORTH WEST COAST TAS	1217Z	18Oct2023
CHRISTMAS ISLAND	1217Z	18Oct2023
CENTRAL COAST SA	1218Z	18Oct2023
PILBARA COAST WEST	1218Z	18Oct2023
UPPER SOUTH EAST COAST SA	1224Z	18Oct2023
CENTRAL COAST VIC	1234Z	18Oct2023
UPPER WEST COAST SA	1242Z	18Oct2023
FAR WEST COAST SA	1252Z	18Oct2023
PILBARA COAST EAST	1327Z	18Oct2023
ASHMORE REEF	1348Z	18Oct2023
CENTRAL NORTH COAST TAS	1436Z	18Oct2023
WEST KIMBERLY COAST	1456Z	18Oct2023
CENTRAL GIPPSLAND COAST	1500Z	18Oct2023

COMOROS

DZAOUDZI	1218Z	18Oct2023
BAMBEO	1220Z	18Oct2023
FOMBONI	1230Z	18Oct2023
CHEZANI	1231Z	18Oct2023

FRANCE

ILE KERGUELEN	0534Z	18Oct2023
NES CROZET	0646Z	18Oct2023
ILE DE LA POSSESSION	0652Z	18Oct2023
CROZET PLATEAU	0708Z	18Oct2023
ILE SAINT-PAUL-SOUTH	0720Z	18Oct2023
ILE SAINT-PAUL-NORTH	0729Z	18Oct2023
SAINT-JOSEPH	0948Z	18Oct2023
SAINT-DENIS	1000Z	18Oct2023

INDIA

INDIRA POINT	1431Z	18Oct2023
TUTICORIN	1434Z	18Oct2023
KOMATRA & KATCHAL ISLAND	1437Z	18Oct2023
MINICOY	1437Z	18Oct2023
RAMESWARAM	1444Z	18Oct2023
CAR NICOBAR	1445Z	18Oct2023
KOTTTAIPPATTANAM	1446Z	18Oct2023
QUILON	1450Z	18Oct2023
KOODANKULAM	1450Z	18Oct2023

KAVARATTI	1451Z	18Oct2023
KANYAKUMARI	1452Z	18Oct2023
ANDROTH	1453Z	18Oct2023
TRIVANDRUM	1454Z	18Oct2023
AGATTI	1500Z	18Oct2023

INDONESIA

BANTEN PANDEGLANG S	1244Z	18Oct2023
BENGKULU BENGKULU-UTARA P.ENGGANO	1246Z	18Oct2023
JABAR SUKABUMI UJUNG-GENTENG	1247Z	18Oct2023
JABAR GARUT	1247Z	18Oct2023
JABAR CIANJUR SINDANGBARANG	1247Z	18Oct2023
BANTEN PANDEGLANG P.PANAITAN	1249Z	18Oct2023
BANTEN LEBAK	1249Z	18Oct2023
JABAR TASIKMALAYA	1250Z	18Oct2023
JABAR SUKABUMI PELABUHAN-RATU	1250Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	1255Z	18Oct2023
LAMPUNG TANGGAMUS B	1256Z	18Oct2023
JABAR CIAMIS	1258Z	18Oct2023
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	1258Z	18Oct2023
JATIM TRENGGALEK	1258Z	18Oct2023
JATENG KEBUMEN	1259Z	18Oct2023
LAMPUNG TANGGAMUS T	1300Z	18Oct2023
JATIM PACITAN	1300Z	18Oct2023
JATIM BANYUWANGI S	1300Z	18Oct2023
LAMPUNG TANGGAMUS P.TABUAN	1300Z	18Oct2023
JATIM MALANG	1300Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	1301Z	18Oct2023
DIY GUNUNG-KIDUL	1301Z	18Oct2023
JATENG WONOGIRI	1301Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	1302Z	18Oct2023
JATENG PURWOREJO	1303Z	18Oct2023
BALI BADUNG PANTAI-KUTA	1303Z	18Oct2023
BENGKULU BENGKULU-SELATAN	1304Z	18Oct2023
BENGKULU KAUR	1304Z	18Oct2023
DIY KULON-PROGO	1304Z	18Oct2023
JATIM TULUNGAGUNG	1304Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	1304Z	18Oct2023
JATENG CILACAP	1304Z	18Oct2023
NTB LOMBOK-BARAT S	1304Z	18Oct2023
JATIM JEMBER P.NUSABARUNG	1305Z	18Oct2023
JATIM BLITAR	1305Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	1305Z	18Oct2023
NTB LOMBOK-TENGAH	1305Z	18Oct2023
JATIM JEMBER	1305Z	18Oct2023
BALI DENPASAR PANTAI-SANUR	1306Z	18Oct2023
BALI KLUNGKUNG P.NUSAPENIDA	1306Z	18Oct2023
NTB LOMBOK-TIMUR S	1307Z	18Oct2023
DIY BANTUL	1307Z	18Oct2023
NTB SUMBAWA B	1308Z	18Oct2023
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	1308Z	18Oct2023
NTB SUMBAWA S	1309Z	18Oct2023
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	1310Z	18Oct2023
JATIM LUMAJANG	1312Z	18Oct2023
BALI TABANAN	1313Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KALIANDA	1313Z	18Oct2023
BANTEN PANDEGLANG U	1314Z	18Oct2023
MUARASIBERUT	1315Z	18Oct2023
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	1317Z	18Oct2023
BENGKULU SELUMA	1317Z	18Oct2023
NTT SUMBA B	1318Z	18Oct2023



LAMPUNG LAMPUNG-SELATAN B	1319Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	1319Z 18Oct2023
BENGKULU BENGKULU-UTARA U	1320Z 18Oct2023
NTT SUMBA T	1321Z 18Oct2023
NTB DOMPU S	1321Z 18Oct2023
SUMUT NIAS-SELATAN P.TANABALA	1322Z 18Oct2023
BENGKULU BENGKULU-UTARA S	1323Z 18Oct2023
NTB KOTA-BIMA S	1325Z 18Oct2023
BENGKULU MUKOMUKO	1325Z 18Oct2023
SUMUT NIAS-SELATAN P.TANAHMASA	1326Z 18Oct2023
SAKUBO	1329Z 18Oct2023
SUMBAR PESISIR-SELATAN S	1330Z 18Oct2023
SUMUT NIAS B	1331Z 18Oct2023
SUMUT NIAS-SELATAN P.NIAS	1333Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	1334Z 18Oct2023
NTT KUPANG	1334Z 18Oct2023
MURASAIBI	1334Z 18Oct2023
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	1335Z 18Oct2023
SUMBAR PESISIR-SELATAN U	1336Z 18Oct2023
BANTEN KOTA-CILEGON P.SANGIANG	1337Z 18Oct2023
NTT MANGGARAI-BARAT P.	1337Z 18Oct2023
NAD SIMEULUE P.SIMEULUE	1340Z 18Oct2023
NTT MANGGARAI-BARAT S	1341Z 18Oct2023
MUARASIGEP	1341Z 18Oct2023
SUMBAR KOTA-PADANG S	1342Z 18Oct2023
NTT ROTENDAO	1344Z 18Oct2023
BANTEN SERANG B	1344Z 18Oct2023
NIAS-EAST	1347Z 18Oct2023
SUMBAR KOTA-PADANG U	1348Z 18Oct2023
SUMBAR PADANG-PARIAMAN S	1348Z 18Oct2023
NTB BIMA P.GILI	1348Z 18Oct2023
SUMBAR KOTA-PARIAMAN	1348Z 18Oct2023
SUMBAR KOTA-PADANG U	1349Z 18Oct2023
NAD ACEH-SINGKIL KEP.BANYAK	1349Z 18Oct2023
GUNUNGSITOLI	1350Z 18Oct2023
NTT NGADA S	1351Z 18Oct2023
NTT ENDE S	1351Z 18Oct2023
NTT MANGGARAI S	1351Z 18Oct2023
SUMBAR PADANG-PARIAMAN U	1352Z 18Oct2023
NTT SIKKA S	1354Z 18Oct2023
SOUTH OF BODAHAYIONE	1354Z 18Oct2023
SUMBAR AGAM	1356Z 18Oct2023
NIAS-NORTH	1357Z 18Oct2023
NTT FLORES-TIMUR S	1358Z 18Oct2023
NTT FLORES-TIMUR P.SOLOR	1359Z 18Oct2023
NIAS	1400Z 18Oct2023
NTT KOTA-KUPANG	1401Z 18Oct2023
NTT LEMBATA S	1403Z 18Oct2023
NTT TIMOR-TENGAH-SELATAN	1407Z 18Oct2023
NTT ALOR S	1409Z 18Oct2023
SUMUT MANDAILING-NATAL U	1410Z 18Oct2023
NAD ACEH-SELATAN U	1412Z 18Oct2023
BANTEN KOTA-CILEGON	1413Z 18Oct2023
PANTE MACASSAR	1415Z 18Oct2023
NAD ACEH-SINGKIL	1415Z 18Oct2023
NTT BELU S	1418Z 18Oct2023
NAD ACEH-BARAT-DAYA	1419Z 18Oct2023
NTT BELU U	1419Z 18Oct2023
NAD ACEH-JAYA	1420Z 18Oct2023
NAD NAGAN-RAYA	1422Z 18Oct2023
NAD ACEH-SELATAN S	1422Z 18Oct2023
NAD ACEH-BARAT	1423Z 18Oct2023
SUMUT TAPANULI-TENGAH KEP.MURSALA	1425Z 18Oct2023
SUMUT TAPANULI-TENGAH U	1425Z 18Oct2023

NAD ACEH-BESAR B	1426Z	18Oct2023
NAD ACEH-BESAR P.BREUEH	1428Z	18Oct2023
NAD ACEH-BESAR P.PENASI	1430Z	18Oct2023
NAD KOTA-SABANG P.WEH	1431Z	18Oct2023
NAD KOTA-BANDA-ACEH	1431Z	18Oct2023
SUMUT TAPANULI-TENGAH S	1437Z	18Oct2023
SUMUT TAPANULI-SELATAN	1437Z	18Oct2023
SUMUT MANDAILING-NATAL S	1440Z	18Oct2023
NAD ACEH-BESAR U	1444Z	18Oct2023
MALUKU MALUKU-TENGGARA-BARAT P.	1444Z	18Oct2023
NAD PIDIE	1446Z	18Oct2023

KENYA

KIWAYU	1329Z	18Oct2023
MVULENI	1334Z	18Oct2023
KISIMACHANDE	1337Z	18Oct2023
TAKAUNGU	1337Z	18Oct2023
MALINDI	1338Z	18Oct2023
KIPINI	1341Z	18Oct2023

MADAGASCAR

MANANTENINA	0954Z	18Oct2023
FARAFAGANA	0954Z	18Oct2023
AMBAHY	1010Z	18Oct2023
TOAMASINA AIRPORT	1017Z	18Oct2023
ANDROKA	1020Z	18Oct2023
SAMPONA	1024Z	18Oct2023
EUROPA ISLAND	1049Z	18Oct2023
VOHEMAR	1049Z	18Oct2023
TAMPOLO	1057Z	18Oct2023
MANJA	1123Z	18Oct2023
ANOROTSANGANA	1124Z	18Oct2023
TAMOTAMO	1145Z	18Oct2023
JUAN DE NOVA ISLAND	1149Z	18Oct2023
GLORIOSO ISLANDS	1153Z	18Oct2023
AMBANJA	1229Z	18Oct2023
BALY	1231Z	18Oct2023

MALDIVES

HITHADHOO	1303Z	18Oct2023
THINADHOO	1318Z	18Oct2023
DHIYAMIGILI	1328Z	18Oct2023
KOLHUFUSHI	1339Z	18Oct2023
NILANDHOO	1344Z	18Oct2023
MALE	1354Z	18Oct2023
FERIDHOO	1355Z	18Oct2023
KULHUDUFFUSHI	1404Z	18Oct2023
GOIDHOO	1410Z	18Oct2023

MAURITIUS

GRANDE REVIERE SUD EST-EAST	0955Z	18Oct2023
GRANDE REVIERE SUD EST-WEST	0958Z	18Oct2023
LA FERME	1006Z	18Oct2023
CARGADOS CARAJOS	1044Z	18Oct2023
AGALEGA ISLAND	1125Z	18Oct2023

MOZAMBIQUE

INHARRIME	1102Z	18Oct2023
POMENE	1113Z	18Oct2023
MAGUEMBA	1116Z	18Oct2023
MAPUTO	1122Z	18Oct2023

VILANKULO 1131Z 18Oct2023  
XAI-XAI 1131Z 18Oct2023  
MALUANA 1135Z 18Oct2023  
ZAVALA 1137Z 18Oct2023  
INHASSORO 1146Z 18Oct2023  
MOEBASE 1155Z 18Oct2023  
MOGINCUAL 1158Z 18Oct2023  
OCONE 1202Z 18Oct2023  
NAMORRE 1203Z 18Oct2023  
AMADE 1209Z 18Oct2023  
LUMBO 1212Z 18Oct2023  
NANGATA 1220Z 18Oct2023  
LURIO 1228Z 18Oct2023  
NHANGAU 1229Z 18Oct2023  
MECUFI 1230Z 18Oct2023  
MURREBUE 1235Z 18Oct2023  
PEMBA 1237Z 18Oct2023  
MAIONGUE 1243Z 18Oct2023  
VILA DO CHINDE 1245Z 18Oct2023  
TAVARI 1246Z 18Oct2023  
QUITERAJÓ 1248Z 18Oct2023  
NOVA LUSITANIA 1251Z 18Oct2023  
MINHAUINE 1254Z 18Oct2023  
MERONVI 1303Z 18Oct2023  
MAGANJA 1304Z 18Oct2023

SEYCHELLES

FARQUHAR GROUP 1133Z 18Oct2023  
ASTOVE ISLAND 1153Z 18Oct2023  
ALPHONSE ISLAND 1157Z 18Oct2023  
COETIVY ISLAND 1159Z 18Oct2023  
ALDABRA 1207Z 18Oct2023  
TAKAMAKA 1212Z 18Oct2023  
ILE DESROCHES 1216Z 18Oct2023  
FREGATE ISLAND 1251Z 18Oct2023

SOMALIA

KAAMBOONI 1328Z 18Oct2023  
TURDHO 1331Z 18Oct2023  
NE BEERNAASI 1331Z 18Oct2023  
JILIB 1332Z 18Oct2023  
BARAAWE 1334Z 18Oct2023  
UARSCIECH 1335Z 18Oct2023  
ITALA 1336Z 18Oct2023  
BEYNAX BARRE 1337Z 18Oct2023  
MUQDISHO 1338Z 18Oct2023  
MAREEG 1343Z 18Oct2023  
CEEL DHEER 1349Z 18Oct2023  
XARARDHEERE 1353Z 18Oct2023  
GALDOGOB 1359Z 18Oct2023  
JARIIBAN 1410Z 18Oct2023  
BANDER-BEYLA 1415Z 18Oct2023  
EYL 1420Z 18Oct2023  
TOOXIN 1438Z 18Oct2023

SOUTH AFRICA

FUNK SEAMOUNT 0753Z 18Oct2023  
ZIKHOVA 1028Z 18Oct2023  
KENTANI 1029Z 18Oct2023  
LUSIKISIKI 1031Z 18Oct2023  
PEDDIE 1031Z 18Oct2023  
WILLOWVALE 1032Z 18Oct2023  
ELLIOTDALE 1032Z 18Oct2023  
MARSHSTRAND 1032Z 18Oct2023

KAYSER'S BEACH	1032Z	18Oct2023
PORT ST JOHNS	1033Z	18Oct2023
NGQUELENI	1034Z	18Oct2023
MARGATE	1035Z	18Oct2023
BIZANA	1035Z	18Oct2023
BATHURST	1036Z	18Oct2023
ALEXANDRIA	1036Z	18Oct2023
KELSO	1037Z	18Oct2023
MANDI	1044Z	18Oct2023
PORT DURNFORD	1047Z	18Oct2023
GWABALANDA HITAWI	1048Z	18Oct2023
PORT ELIZABETH	1050Z	18Oct2023
GAMTOOS	1050Z	18Oct2023
LAKE SIBAYI	1053Z	18Oct2023
ABORETUM	1054Z	18Oct2023
KOSIMEER	1101Z	18Oct2023
HUMANSDORP	1110Z	18Oct2023
HANKEY	1117Z	18Oct2023
GEORGE	1126Z	18Oct2023
HEIDELBERG	1132Z	18Oct2023
MOSSEL	1140Z	18Oct2023
WITAAND	1202Z	18Oct2023
BREDASDORP	1203Z	18Oct2023

SRI LANKA

MATARA	1354Z	18Oct2023
GALLE	1355Z	18Oct2023
TANGALLE	1401Z	18Oct2023
AMBALANGODA	1401Z	18Oct2023
HAMBANTOTA	1402Z	18Oct2023
KIRINDA	1403Z	18Oct2023
BERUWALA	1406Z	18Oct2023
POTTUVIL	1406Z	18Oct2023
AKKARAI Pattu	1409Z	18Oct2023
OKANDA	1411Z	18Oct2023
BATTICALOA	1411Z	18Oct2023
MORATUWA	1411Z	18Oct2023
COLOMBO	1414Z	18Oct2023
NEGOMBO	1416Z	18Oct2023
MUNDAL LAKE	1424Z	18Oct2023
KATTANKUDI	1425Z	18Oct2023
ANAITIVU	1425Z	18Oct2023
PANKULAM	1428Z	18Oct2023
MANNAR ISLAND	1428Z	18Oct2023
MULLAITTIVU	1439Z	18Oct2023
MUSALI	1448Z	18Oct2023
CHUNDIkkulam	1459Z	18Oct2023

TANZANIA

MADANGWA	1308Z	18Oct2023
RUVU	1310Z	18Oct2023
JIMBO	1320Z	18Oct2023
VUMBA	1322Z	18Oct2023
SONGO SONGO ISLAND	1322Z	18Oct2023
ZANZIBAR	1323Z	18Oct2023
VUMBI	1327Z	18Oct2023
GAZIJA	1328Z	18Oct2023
KUTANI	1331Z	18Oct2023
MSASANI	1339Z	18Oct2023
BAGAMOYO	1340Z	18Oct2023
BOMALANDNI	1346Z	18Oct2023

WEST TO KONDE 1349Z 18Oct2023

TIMOR-LESTE

PANTE MACASSAR 1412Z 18Oct2023  
LIQUICA 1418Z 18Oct2023  
BOBONARO 1419Z 18Oct2023  
DILI 1425Z 18Oct2023  
COVALIMA 1426Z 18Oct2023  
AINARO 1426Z 18Oct2023  
MANUFAHI 1430Z 18Oct2023  
MANATUTO NORTH 1434Z 18Oct2023  
VIQUEQUE 1436Z 18Oct2023  
MANATUTO SOUTH 1436Z 18Oct2023  
BAUCAU 1437Z 18Oct2023  
LAUTEM 1441Z 18Oct2023

UNITED KINGDOM

DIEGO GARCIA 1204Z 18Oct2023  
NW EGMONT ISLAND 1226Z 18Oct2023  
MORESBY ISLAND 1230Z 18Oct2023

YEMEN

SOCOTRA ISLAND NORTH 1446Z 18Oct2023  
SOCOTRA ISLAND SOUTH 1447Z 18Oct2023  
SOCOTRA ISLAND WEST 1449Z 18Oct2023

4. ADVICE

This bulletin is being issued as advice. Only national/state/local authorities and disaster management officers have the authority to make decisions regarding the official threat and warning status in their coastal areas and any action to be taken in response.

5. UPDATES

Additional bulletins will be issued by IOTWMS-TSP AUSTRALIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:

TSP INDIA: <http://www.incois.gov.in/Incois/tsunami/eqevents.jsp>  
TSP INDONESIA: <http://rtsp.bmkg.go.id>

6. CONTACT INFORMATION

IOTWMS-TSP AUSTRALIA  
Joint Australian Tsunami Warning Centre (JATWC)  
Bureau of Meteorology  
GPO BOX 1289 Melbourne, Victoria, Australia, 3001  
<http://reg.bom.gov.au/tsunami/rtsp>

END OF BULLETIN

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#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####

# BULLETIN 6

IDY68501

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#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####
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TSUNAMI BULLETIN NUMBER 6 (TYPE-III CONFIRMED THREAT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 1030 UTC Wednesday 18 October 2023  
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... CONFIRMED TSUNAMI THREAT IN THE INDIAN OCEAN...

This bulletin applies to areas within and bordering the Indian Ocean. It is issued in support of the UNESCO/IOC Indian Ocean Tsunami Warning and Mitigation System (IOTWMS).

## 1. TSUNAMI SOURCE INFORMATION

IOTWMS-TSP AUSTRALIA has detected a volcanic eruption at Heard Island with the following details:

Date: 18 Oct 2023  
Origin Time: 0400 UTC  
Latitude: 53.10S  
Longitude: 73.52E  
Location: KERGUELEN ISLANDS REGION

## 2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.  
Maximum wave amplitudes observed so far:

Kerguelen Is	FRANCE	49.50S	70.17E	3.58m	18 Oct 06:42 UTC
Marion Island	SOUTH AFRICA	46.90S	37.87E	2.52m	18 Oct 08:10 UTC
Syowa	ANTARCTICA	69.00S	39.57E	2.53m	18 Oct 08:38 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	2.04m	18 Oct 09:55 UTC
Rodrigues	MAURITIUS	19.70S	63.42E	1.92m	18 Oct 10:06 UTC
Blue Bay	MAURITIUS	20.50S	57.67E	1.60m	18 Oct 10:09 UTC
Pointe des Galets	REUNION ISLA	20.90S	55.28E	1.92m	18 Oct 10:15 UTC

Based on a tsunami travel time threat assessment, the zones listed below are POTENTIALLY UNDER THREAT.

## 3. TSUNAMI THREAT FOR THE INDIAN OCEAN

For this event all locations within 12.0000 hours are considered under Threat.

The list below shows the forecast arrival time of the first wave predicted for the zone.

The list is grouped by country (alphabetic order) and ordered according to the earliest estimated times of arrival at the beach.

Please be aware that actual wave arrival times may differ from those below, and the initial wave may not be the largest. A tsunami is a series of waves and the time between successive waves can be five minutes to one hour.

Dangerous conditions should be expected to continue for a minimum of 14 hours after the predicted arrival time. As local conditions can cause a wide variation in tsunami wave action, CANCELLATION of national warnings and ALL CLEAR determination must be made by national/state/local authorities.

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	0400Z	18Oct2023
AURORA BANK	0426Z	18Oct2023
LEEUEWIN COAST	1015Z	18Oct2023
ALBANY COAST	1024Z	18Oct2023
GERALDTON COAST	1040Z	18Oct2023
BUNBURY GEOGRAPHE COAST	1042Z	18Oct2023
LANCELIN COAST	1046Z	18Oct2023
PERTH COAST	1047Z	18Oct2023
ESPERANCE COAST	1055Z	18Oct2023
GASCOYNE COAST	1120Z	18Oct2023
NINGALOO COAST	1128Z	18Oct2023
COCOS ISLAND	1140Z	18Oct2023
SOUTH CENTRAL COAST SA	1151Z	18Oct2023
SOUTH WEST COAST TAS	1152Z	18Oct2023
LOWER SOUTH EAST COAST SA	1154Z	18Oct2023
WEST COAST VIC	1158Z	18Oct2023
CENTRAL WEST COAST TAS	1159Z	18Oct2023
EUCLA COAST	1202Z	18Oct2023
LOWER WEST COAST SA	1210Z	18Oct2023
FAR NORTH WEST COAST TAS	1217Z	18Oct2023
CHRISTMAS ISLAND	1217Z	18Oct2023
CENTRAL COAST SA	1218Z	18Oct2023
PILBARA COAST WEST	1218Z	18Oct2023
UPPER SOUTH EAST COAST SA	1224Z	18Oct2023
CENTRAL COAST VIC	1234Z	18Oct2023
UPPER WEST COAST SA	1242Z	18Oct2023
FAR WEST COAST SA	1252Z	18Oct2023
PILBARA COAST EAST	1327Z	18Oct2023
ASHMORE REEF	1348Z	18Oct2023
CENTRAL NORTH COAST TAS	1436Z	18Oct2023
WEST KIMBERLY COAST	1456Z	18Oct2023
CENTRAL GIPPSLAND COAST	1500Z	18Oct2023
NORTH KIMBERLY COAST	1542Z	18Oct2023

COMOROS

DZAOUDZI	1218Z	18Oct2023
BAMBAO	1220Z	18Oct2023
FOMBONI	1230Z	18Oct2023
CHEZANI	1231Z	18Oct2023

FRANCE

ILE KERGUELEN	0534Z	18Oct2023
NES CROZET	0646Z	18Oct2023
ILE DE LA POSSESSION	0652Z	18Oct2023
CROZET PLATEAU	0708Z	18Oct2023
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ILE SAINT-PAUL-NORTH	0729Z	18Oct2023
SAINT-JOSEPH	0948Z	18Oct2023
SAINT-DENIS	1000Z	18Oct2023

INDIA

INDIRA POINT	1431Z	18Oct2023
TUTICORIN	1434Z	18Oct2023
KOMATRA & KATCHAL ISLAND	1437Z	18Oct2023
MINICOY	1437Z	18Oct2023

RAMESWARAM	1444Z	18Oct2023
CAR NICOBAR	1445Z	18Oct2023
KOTTTAIPPATTANAM	1446Z	18Oct2023
QUILON	1450Z	18Oct2023
KOODANKULAM	1450Z	18Oct2023
KAVARATTI	1451Z	18Oct2023
KANYAKUMARI	1452Z	18Oct2023
ANDROTH	1453Z	18Oct2023
TRIVANDRUM	1454Z	18Oct2023
AGATTI	1500Z	18Oct2023
ALLEPPEY ALAPPUZHA	1502Z	18Oct2023
POOMBUHAR	1504Z	18Oct2023
PUDUCHERRY	1505Z	18Oct2023
AMINI	1508Z	18Oct2023
CUDDALORE	1509Z	18Oct2023
LITTLE ANDAMAN	1509Z	18Oct2023
MARAKKANAM	1510Z	18Oct2023
NORTH SENTINEL ISLAND	1511Z	18Oct2023
NAGAPATTINAM	1513Z	18Oct2023
KARAIKAL	1513Z	18Oct2023
MAHABALIPURAM	1515Z	18Oct2023
MALLIPATTINAM	1516Z	18Oct2023
MUTHUPET	1518Z	18Oct2023
ENNORE	1518Z	18Oct2023
VADANAPPALLY	1524Z	18Oct2023
PORT BLAIR	1527Z	18Oct2023
SRIHARIKOTA	1527Z	18Oct2023
CHENNAI	1529Z	18Oct2023
COCHIN	1530Z	18Oct2023
VAKKAD	1532Z	18Oct2023
BARREN ISLAND	1534Z	18Oct2023
MACHILIPATNAM	1536Z	18Oct2023
HAVELOCK	1538Z	18Oct2023
FLAT ISLAND	1540Z	18Oct2023
WEST & LANDFALL ISLAND	1541Z	18Oct2023
BEYPORE	1544Z	18Oct2023
NIJAMPATTANAM	1544Z	18Oct2023
PERUPALEM	1545Z	18Oct2023
KOTTAPATNAM	1546Z	18Oct2023
KASARAGOD	1548Z	18Oct2023
RANGATH BAY	1549Z	18Oct2023
KAKINADA	1550Z	18Oct2023
NARCONDAM ISLAND	1550Z	18Oct2023
MAHE	1552Z	18Oct2023
DIGLIPUR	1552Z	18Oct2023
KANNUR	1552Z	18Oct2023
INDONESIA		
BANTEN PANDEGLANG S	1244Z	18Oct2023
BENGKULU BENGKULU-UTARA P.ENGGANO	1246Z	18Oct2023
JABAR SUKABUMI UJUNG-GENTENG	1247Z	18Oct2023
JABAR GARUT	1247Z	18Oct2023
JABAR CIANJUR SINDANGBARANG	1247Z	18Oct2023
BANTEN LEBAK	1249Z	18Oct2023
BANTEN PANDEGLANG P.PANAITAN	1249Z	18Oct2023
JABAR SUKABUMI PELABUHAN-RATU	1250Z	18Oct2023
JABAR TASIKMALAYA	1250Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	1255Z	18Oct2023
LAMPUNG TANGGAMUS B	1256Z	18Oct2023
JATIM TRENGGALEK	1258Z	18Oct2023
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	1258Z	18Oct2023



JABAR CIAMIS	1258Z 18Oct2023
JATENG KEBUMEN	1259Z 18Oct2023
JATIM PACITAN	1300Z 18Oct2023
LAMPUNG TANGGAMUS T	1300Z 18Oct2023
LAMPUNG TANGGAMUS P.TABUAN	1300Z 18Oct2023
JATIM MALANG	1300Z 18Oct2023
JATIM BANYUWANGI S	1300Z 18Oct2023
JATENG WONOGIRI	1301Z 18Oct2023
DIY GUNUNG-KIDUL	1301Z 18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	1301Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	1302Z 18Oct2023
JATENG PURWOREJO	1303Z 18Oct2023
BALI BADUNG PANTAI-KUTA	1303Z 18Oct2023
JATENG CILACAP	1304Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	1304Z 18Oct2023
BENGKULU KAUR	1304Z 18Oct2023
DIY KULON-PROGO	1304Z 18Oct2023
NTB LOMBOK-BARAT S	1304Z 18Oct2023
BENGKULU BENGKULU-SELATAN	1304Z 18Oct2023
JATIM TULUNGAGUNG	1304Z 18Oct2023
JATIM BLITAR	1305Z 18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	1305Z 18Oct2023
JATIM JEMBER P.NUSABARUNG	1305Z 18Oct2023
JATIM JEMBER	1305Z 18Oct2023
NTB LOMBOK-TENGAH	1305Z 18Oct2023
BALI KLUNGKUNG P.NUSAPENIDA	1306Z 18Oct2023
BALI DENPASAR PANTAI-SANUR	1306Z 18Oct2023
DIY BANTUL	1307Z 18Oct2023
NTB LOMBOK-TIMUR S	1307Z 18Oct2023
NTB SUMBAWA B	1308Z 18Oct2023
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	1308Z 18Oct2023
NTB SUMBAWA S	1309Z 18Oct2023
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	1310Z 18Oct2023
JATIM LUMAJANG	1312Z 18Oct2023
BALI TABANAN	1313Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN KALIANDA	1313Z 18Oct2023
BANTEN PANDEGLANG U	1314Z 18Oct2023
MUARASIBERUT	1315Z 18Oct2023
BENGKULU SELUMA	1317Z 18Oct2023
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	1317Z 18Oct2023
NTT SUMBA B	1318Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN B	1319Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	1319Z 18Oct2023
BENGKULU BENGKULU-UTARA U	1320Z 18Oct2023
NTT SUMBA T	1321Z 18Oct2023
NTB DOMPU S	1321Z 18Oct2023
SUMUT NIAS-SELATAN P.TANABALA	1322Z 18Oct2023
BENGKULU BENGKULU-UTARA S	1323Z 18Oct2023
BENGKULU MUKOMUKO	1325Z 18Oct2023
NTB KOTA-BIMA S	1325Z 18Oct2023
SUMUT NIAS-SELATAN P.TANAHMASA	1326Z 18Oct2023
SAKUBO	1329Z 18Oct2023
SUMBAR PESISIR-SELATAN S	1330Z 18Oct2023
SUMUT NIAS B	1331Z 18Oct2023
SUMUT NIAS-SELATAN P.NIAS	1333Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	1334Z 18Oct2023
NTT KUPANG	1334Z 18Oct2023
MURASAIBI	1334Z 18Oct2023
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	1335Z 18Oct2023
SUMBAR PESISIR-SELATAN U	1336Z 18Oct2023
NTT MANGGARAI-BARAT P.	1337Z 18Oct2023
BANTEN KOTA-CILEGON P.SANGIANG	1337Z 18Oct2023
NAD SIMEULUE P.SIMEULUE	1340Z 18Oct2023
NTT MANGGARAI-BARAT S	1341Z 18Oct2023

MUARASIGEP	1341Z	18Oct2023
SUMBAR KOTA-PADANG S	1342Z	18Oct2023
BANTEN SERANG B	1344Z	18Oct2023
NTT ROTENDAO	1344Z	18Oct2023
NIAS-EAST	1347Z	18Oct2023
SUMBAR KOTA-PARIAMAN	1348Z	18Oct2023
NTB BIMA P.GILI	1348Z	18Oct2023
SUMBAR PADANG-PARIAMAN S	1348Z	18Oct2023
SUMBAR KOTA-PADANG U	1348Z	18Oct2023
SUMBAR KOTA-PADANG U	1349Z	18Oct2023
NAD ACEH-SINGKIL KEP.BANYAK	1349Z	18Oct2023
GUNUNGSITOLI	1350Z	18Oct2023
NTT MANGGARAI S	1351Z	18Oct2023
NTT ENDE S	1351Z	18Oct2023
NTT NGADA S	1351Z	18Oct2023
SUMBAR PADANG-PARIAMAN U	1352Z	18Oct2023
NTT SIKKA S	1354Z	18Oct2023
SOUTH OF BODAHAYIONE	1354Z	18Oct2023
SUMBAR AGAM	1356Z	18Oct2023
NIAS-NORTH	1357Z	18Oct2023
NTT FLORES-TIMUR S	1358Z	18Oct2023
NTT FLORES-TIMUR P.SOLOR	1359Z	18Oct2023
NIAS	1400Z	18Oct2023
NTT KOTA-KUPANG	1401Z	18Oct2023
NTT LEMBATA S	1403Z	18Oct2023
NTT TIMOR-TENGAH-SELATAN	1407Z	18Oct2023
NTT ALOR S	1409Z	18Oct2023
SUMUT MANDAILING-NATAL U	1410Z	18Oct2023
NAD ACEH-SELATAN U	1412Z	18Oct2023
BANTEN KOTA-CILEGON	1413Z	18Oct2023
NAD ACEH-SINGKIL	1415Z	18Oct2023
PANTE MACASSAR	1415Z	18Oct2023
NTT BELU S	1418Z	18Oct2023
NAD ACEH-BARAT-DAYA	1419Z	18Oct2023
NTT BELU U	1419Z	18Oct2023
NAD ACEH-JAYA	1420Z	18Oct2023
NAD NAGAN-RAYA	1422Z	18Oct2023
NAD ACEH-SELATAN S	1422Z	18Oct2023
NAD ACEH-BARAT	1423Z	18Oct2023
SUMUT TAPANULI-TENGAH U	1425Z	18Oct2023
SUMUT TAPANULI-TENGAH KEP.MURSALA	1425Z	18Oct2023
NAD ACEH-BESAR B	1426Z	18Oct2023
NAD ACEH-BESAR P.BREUEH	1428Z	18Oct2023
NAD ACEH-BESAR P.PENASI	1430Z	18Oct2023
NAD KOTA-SABANG P.WEH	1431Z	18Oct2023
NAD KOTA-BANDA-ACEH	1431Z	18Oct2023
SUMUT TAPANULI-SELATAN	1437Z	18Oct2023
SUMUT TAPANULI-TENGAH S	1437Z	18Oct2023
SUMUT MANDAILING-NATAL S	1440Z	18Oct2023
NAD ACEH-BESAR U	1444Z	18Oct2023
MALUKU MALUKU-TENGGARA-BARAT P.	1444Z	18Oct2023
NAD PIDIE	1446Z	18Oct2023
NAD BIREUEN	1502Z	18Oct2023
NAD ACEH-UTARA B	1510Z	18Oct2023
NAD KOTA-LHOKSEUMAWA	1510Z	18Oct2023
NAD ACEH-UTARA T	1523Z	18Oct2023
MALUKU MALUKU-TENGGARA-BARAT P.YAMDENA	1525Z	18Oct2023
MALUKU MALUKU-TENGGARA	1531Z	18Oct2023
NAD ACEH-TIMUR	1550Z	18Oct2023
KAIMANA	1554Z	18Oct2023

KENYA

KIWAYU 1329Z 18Oct2023  
MVULENI 1334Z 18Oct2023  
KISIMACHANDE 1337Z 18Oct2023  
TAKAUNGU 1337Z 18Oct2023  
MALINDI 1338Z 18Oct2023  
KIPINI 1341Z 18Oct2023

MADAGASCAR

MANANTENINA 0954Z 18Oct2023  
FARAFAGANA 0954Z 18Oct2023  
AMBAHY 1010Z 18Oct2023  
TOAMASINA AIRPORT 1017Z 18Oct2023  
ANDROKA 1020Z 18Oct2023  
SAMPONA 1024Z 18Oct2023  
EUROPA ISLAND 1049Z 18Oct2023  
VOHEMAR 1049Z 18Oct2023  
TAMPOLO 1057Z 18Oct2023  
MANJA 1123Z 18Oct2023  
ANOROTSANGANA 1124Z 18Oct2023  
TAMOTAMO 1145Z 18Oct2023  
JUAN DE NOVA ISLAND 1149Z 18Oct2023  
GLORIOSO ISLANDS 1153Z 18Oct2023  
AMBANJA 1229Z 18Oct2023  
BALY 1231Z 18Oct2023

MALDIVES

HITHADHOO 1303Z 18Oct2023  
THINADHOO 1318Z 18Oct2023  
DHIYAMIGILI 1328Z 18Oct2023  
KOLHUFUSHI 1339Z 18Oct2023  
NILANDHOO 1344Z 18Oct2023  
MALE 1354Z 18Oct2023  
FERIDHOO 1355Z 18Oct2023  
KULHUDUFFUSHI 1404Z 18Oct2023  
GOIDHOO 1410Z 18Oct2023

MAURITIUS

GRANDE REVIERE SUD EST-EAST 0955Z 18Oct2023  
GRANDE REVIERE SUD EST-WEST 0958Z 18Oct2023  
LA FERME 1006Z 18Oct2023  
CARGADOS CARAJOS 1044Z 18Oct2023  
AGALEGA ISLAND 1125Z 18Oct2023

MOZAMBIQUE

INHARRIME 1102Z 18Oct2023  
POMENE 1113Z 18Oct2023  
MAGUEMBA 1116Z 18Oct2023  
MAPUTO 1122Z 18Oct2023  
VILANKULO 1131Z 18Oct2023  
XAI-XAI 1131Z 18Oct2023  
MALUANA 1135Z 18Oct2023  
ZAVALA 1137Z 18Oct2023  
INHASSORO 1146Z 18Oct2023  
MOEBASE 1155Z 18Oct2023  
MOGINCUAL 1158Z 18Oct2023  
OCONE 1202Z 18Oct2023  
NAMORRE 1203Z 18Oct2023  
AMADE 1209Z 18Oct2023  
LUMBO 1212Z 18Oct2023  
NANGATA 1220Z 18Oct2023  
LURIO 1228Z 18Oct2023  
NHANGAU 1229Z 18Oct2023  
MECUFI 1230Z 18Oct2023

MURREBUE 1235Z 18Oct2023  
PEMBA 1237Z 18Oct2023  
MAIONGUE 1243Z 18Oct2023  
VILA DO CHINDE 1245Z 18Oct2023  
TAVARI 1246Z 18Oct2023  
QUITERAJÓ 1248Z 18Oct2023  
NOVA LUSITANIA 1251Z 18Oct2023  
MINHAUINE 1254Z 18Oct2023  
MERONVI 1303Z 18Oct2023  
MAGANJA 1304Z 18Oct2023

MYANMAR

LITTLE COCO ISLAND 1555Z 18Oct2023

OMAN

MIRBAT 1536Z 18Oct2023  
SALALAH 1537Z 18Oct2023  
HASIK 1537Z 18Oct2023  
TAQAH 1538Z 18Oct2023

SEYCHELLES

FARQUHAR GROUP 1133Z 18Oct2023  
ASTOVE ISLAND 1153Z 18Oct2023  
ALPHONSE ISLAND 1157Z 18Oct2023  
COETIVY ISLAND 1159Z 18Oct2023  
ALDABRA 1207Z 18Oct2023  
TAKAMAKA 1212Z 18Oct2023  
ILE DESROCHES 1216Z 18Oct2023  
FREGATE ISLAND 1251Z 18Oct2023

SOMALIA

KAAMBOONI 1328Z 18Oct2023  
TURDHO 1331Z 18Oct2023  
NE BEERNAASI 1331Z 18Oct2023  
JILIB 1332Z 18Oct2023  
BARAAWE 1334Z 18Oct2023  
UARSCIECH 1335Z 18Oct2023  
ITALA 1336Z 18Oct2023  
BEYNAX BARRE 1337Z 18Oct2023  
MUQDISHO 1338Z 18Oct2023  
MAREEG 1343Z 18Oct2023  
CEEL DHEER 1349Z 18Oct2023  
XARARDHEERE 1353Z 18Oct2023  
GALDOGOB 1359Z 18Oct2023  
JARIIBAN 1410Z 18Oct2023  
BANDER-BEYLA 1415Z 18Oct2023  
EYL 1420Z 18Oct2023  
TOOXIN 1438Z 18Oct2023  
ABO 1501Z 18Oct2023  
QANDALA 1527Z 18Oct2023  
HADAAFTIMO 1543Z 18Oct2023  
BOSASO 1550Z 18Oct2023  
MAYDH 1559Z 18Oct2023

SOUTH AFRICA

FUNK SEAMOUNT 0753Z 18Oct2023  
ZIKHOVA 1028Z 18Oct2023  
KENTANI 1029Z 18Oct2023  
LUSIKISIKI 1031Z 18Oct2023  
PEDDIE 1031Z 18Oct2023  
WILLOWVALE 1032Z 18Oct2023

ELLIOTDALE	1032Z	18Oct2023
MARSHSTRAND	1032Z	18Oct2023
KAYSER'S BEACH	1032Z	18Oct2023
PORT ST JOHNS	1033Z	18Oct2023
NGQUELENI	1034Z	18Oct2023
MARGATE	1035Z	18Oct2023
BIZANA	1035Z	18Oct2023
BATHURST	1036Z	18Oct2023
ALEXANDRIA	1036Z	18Oct2023
KELSO	1037Z	18Oct2023
MANDI	1044Z	18Oct2023
PORT DURNFORD	1047Z	18Oct2023
GWABALANDA HITAWI	1048Z	18Oct2023
PORT ELIZABETH	1050Z	18Oct2023
GAMTOOS	1050Z	18Oct2023
LAKE SIBAYI	1053Z	18Oct2023
ABORETUM	1054Z	18Oct2023
KOSIMEER	1101Z	18Oct2023
HUMANSDORP	1110Z	18Oct2023
HANKEY	1117Z	18Oct2023
GEORGE	1126Z	18Oct2023
HEIDELBERG	1132Z	18Oct2023
MOSSEL	1140Z	18Oct2023
WITAAND	1202Z	18Oct2023
BREDASDORP	1203Z	18Oct2023

SRI LANKA

MATARA	1354Z	18Oct2023
GALLE	1355Z	18Oct2023
TANGALLE	1401Z	18Oct2023
AMBALANGODA	1401Z	18Oct2023
HAMBANTOTA	1402Z	18Oct2023
KIRINDA	1403Z	18Oct2023
BERUWALA	1406Z	18Oct2023
POTTUVIL	1406Z	18Oct2023
AKKARAIATTU	1409Z	18Oct2023
MORATUWA	1411Z	18Oct2023
BATTICALOA	1411Z	18Oct2023
OKANDA	1411Z	18Oct2023
COLOMBO	1414Z	18Oct2023
NEGOMBO	1416Z	18Oct2023
MUNDAL LAKE	1424Z	18Oct2023
KATTANKUDI	1425Z	18Oct2023
ANAITIVU	1425Z	18Oct2023
MANNAR ISLAND	1428Z	18Oct2023
PANKULAM	1428Z	18Oct2023
MULLAITTIVU	1439Z	18Oct2023
MUSALI	1448Z	18Oct2023
CHUNDIKKULAM	1459Z	18Oct2023
CHAVAKACHCHERI	1506Z	18Oct2023
POINT PEDRO	1511Z	18Oct2023

TANZANIA

MADANGWA	1308Z	18Oct2023
RUVU	1310Z	18Oct2023
JIMBO	1320Z	18Oct2023
VUMBA	1322Z	18Oct2023
SONGO SONGO ISLAND	1322Z	18Oct2023
ZANZIBAR	1323Z	18Oct2023
VUMBI	1327Z	18Oct2023
GAZIJA	1328Z	18Oct2023
KUTANI	1331Z	18Oct2023
MSASANI	1339Z	18Oct2023
BAGAMOYO	1340Z	18Oct2023

IOC Technical Series, 181 (I) Supplement 3  
page 40

BOMALANDNI 1346Z 18Oct2023  
WEST TO KONDE 1349Z 18Oct2023

THAILAND

THAI MUEANG 1545Z 18Oct2023  
KO RACHA NOI 1550Z 18Oct2023

TIMOR-LESTE

PANTE MACASSAR 1412Z 18Oct2023  
LIQUICA 1418Z 18Oct2023  
BOBONARO 1419Z 18Oct2023  
DILI 1425Z 18Oct2023  
COVALIMA 1426Z 18Oct2023  
AINARO 1426Z 18Oct2023  
MANUFAHI 1430Z 18Oct2023  
MANATUTO NORTH 1434Z 18Oct2023  
VIQUEQUE 1436Z 18Oct2023  
MANATUTO SOUTH 1436Z 18Oct2023  
BAUCAU 1437Z 18Oct2023  
LAUTEM 1441Z 18Oct2023

UNITED KINGDOM

DIEGO GARCIA 1204Z 18Oct2023  
NW EGMONT ISLAND 1226Z 18Oct2023  
MORESBY ISLAND 1230Z 18Oct2023

YEMEN

SOCOTRA ISLAND NORTH 1446Z 18Oct2023  
SOCOTRA ISLAND SOUTH 1447Z 18Oct2023  
SOCOTRA ISLAND WEST 1449Z 18Oct2023  
HARRAH 1534Z 18Oct2023  
HAMI 1535Z 18Oct2023  
EAST TO HAMI 1535Z 18Oct2023  
AL MUKALLA 1537Z 18Oct2023  
AL GHAYDAH AIRPORT 1538Z 18Oct2023  
DAMQAWT 1539Z 18Oct2023  
BROM MAYFA 1539Z 18Oct2023  
HUSWAYN 1541Z 18Oct2023  
MASILAH WADI 1542Z 18Oct2023  
ALQUMRAH 1546Z 18Oct2023  
RUDUM 1548Z 18Oct2023  
AHWAR 1559Z 18Oct2023

4. ADVICE

This bulletin is being issued as advice. Only national/state/local authorities and disaster management officers have the authority to make decisions regarding the official threat and warning status in their coastal areas and any action to be taken in response.

5. UPDATES

Additional bulletins will be issued by IOTWMS-TSP AUSTRALIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:

TSP INDIA: <http://www.incois.gov.in/Incois/tsunami/eqevents.jsp>

TSP INDONESIA: <http://rtsp.bmkg.go.id>

6. CONTACT INFORMATION

IOTWMS-TSP AUSTRALIA

Joint Australian Tsunami Warning Centre (JATWC)

Bureau of Meteorology  
GPO BOX 1289 Melbourne, Victoria, Australia, 3001  
<http://reg.bom.gov.au/tsunami/rtsp>

END OF BULLETIN

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#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####

# BULLETIN 7

IDY68501

```
#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####
```

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TSUNAMI BULLETIN NUMBER 7 (TYPE-III CONFIRMED THREAT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 1130 UTC Wednesday 18 October 2023  
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... CONFIRMED TSUNAMI THREAT IN THE INDIAN OCEAN...

This bulletin applies to areas within and bordering the Indian Ocean. It is issued in support of the UNESCO/IOC Indian Ocean Tsunami Warning and Mitigation System (IOTWMS).

## 1. TSUNAMI SOURCE INFORMATION

IOTWMS-TSP AUSTRALIA has detected a volcanic eruption at Heard Island with the following details:

Date: 18 Oct 2023  
Origin Time: 0400 UTC  
Latitude: 53.10S  
Longitude: 73.52E  
Location: KERGUELEN ISLANDS REGION

## 2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.  
Maximum wave amplitudes observed so far:

Kerguelen Is	FRANCE	49.50S	70.17E	3.58m	18 Oct 06:42 UTC
Marion Island	SOUTH AFRICA	46.90S	37.87E	2.52m	18 Oct 08:10 UTC
Syowa	ANTARCTICA	69.00S	39.57E	2.53m	18 Oct 08:38 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	2.04m	18 Oct 09:55 UTC
Rodrigues	MAURITIUS	19.70S	63.42E	1.92m	18 Oct 10:06 UTC
Blue Bay	MAURITIUS	20.50S	57.67E	1.60m	18 Oct 10:09 UTC
Pointe des Galets	REUNION ISLA	20.90S	55.28E	1.92m	18 Oct 10:15 UTC
Sainte Marie	REUNION	20.90S	55.54E	1.61m	18 Oct 10:29 UTC
Port Elizabeth	SOUTH AFRICA	34.00S	25.83E	1.54m	18 Oct 10:34 UTC
Toamasina	MADAGASCAR	18.20S	49.43E	1.50m	18 Oct 10:59 UTC
Inhambane	MOCAMBIQUE	24.00S	35.50E	1.61m	18 Oct 11:04 UTC

Based on a tsunami travel time threat assessment, the zones listed below are POTENTIALLY UNDER THREAT.

## 3. TSUNAMI THREAT FOR THE INDIAN OCEAN

For this event all locations within 12.0000 hours are considered under Threat.

The list below shows the forecast arrival time of the first wave predicted for the zone.

The list is grouped by country (alphabetic order) and ordered according to the earliest estimated times of arrival at the beach.



Please be aware that actual wave arrival times may differ from those below, and the initial wave may not be the largest. A tsunami is a series of waves and the time between successive waves can be five minutes to one hour.

Dangerous conditions should be expected to continue for a minimum of 14 hours after the predicted arrival time. As local conditions can cause a wide variation in tsunami wave action, CANCELLATION of national warnings and ALL CLEAR determination must be made by national/state/local authorities.

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	0400Z	18Oct2023
AURORA BANK	0426Z	18Oct2023
LEEUEWIN COAST	1015Z	18Oct2023
ALBANY COAST	1024Z	18Oct2023
GERALDTON COAST	1040Z	18Oct2023
BUNBURY GEOGRAPHE COAST	1042Z	18Oct2023
LANCELIN COAST	1046Z	18Oct2023
PERTH COAST	1047Z	18Oct2023
ESPERANCE COAST	1055Z	18Oct2023
GASCOYNE COAST	1120Z	18Oct2023
NINGALOO COAST	1128Z	18Oct2023
COCOS ISLAND	1140Z	18Oct2023
SOUTH CENTRAL COAST SA	1151Z	18Oct2023
SOUTH WEST COAST TAS	1152Z	18Oct2023
LOWER SOUTH EAST COAST SA	1154Z	18Oct2023
WEST COAST VIC	1158Z	18Oct2023
CENTRAL WEST COAST TAS	1159Z	18Oct2023
EUCLA COAST	1202Z	18Oct2023
LOWER WEST COAST SA	1210Z	18Oct2023
FAR NORTH WEST COAST TAS	1217Z	18Oct2023
CHRISTMAS ISLAND	1217Z	18Oct2023
CENTRAL COAST SA	1218Z	18Oct2023
PILBARA COAST WEST	1218Z	18Oct2023
UPPER SOUTH EAST COAST SA	1224Z	18Oct2023
CENTRAL COAST VIC	1234Z	18Oct2023
UPPER WEST COAST SA	1242Z	18Oct2023
FAR WEST COAST SA	1252Z	18Oct2023
PILBARA COAST EAST	1327Z	18Oct2023
ASHMORE REEF	1348Z	18Oct2023
CENTRAL NORTH COAST TAS	1436Z	18Oct2023
WEST KIMBERLY COAST	1456Z	18Oct2023
CENTRAL GIPPSLAND COAST	1500Z	18Oct2023
NORTH KIMBERLY COAST	1542Z	18Oct2023

COMOROS

DZAOUDZI	1218Z	18Oct2023
BAMBAO	1220Z	18Oct2023
FOMBONI	1230Z	18Oct2023
CHEZANI	1231Z	18Oct2023

FRANCE

ILE KERGUELEN	0534Z	18Oct2023
NES CROZET	0646Z	18Oct2023
ILE DE LA POSSESSION	0652Z	18Oct2023
CROZET PLATEAU	0708Z	18Oct2023
ILE SAINT-PAUL-SOUTH	0720Z	18Oct2023
ILE SAINT-PAUL-NORTH	0729Z	18Oct2023
SAINT-JOSEPH	0948Z	18Oct2023
SAINT-DENIS	1000Z	18Oct2023

INDIA

INDIRA POINT	1431Z	18Oct2023
TUTICORIN	1434Z	18Oct2023
KOMATRA & KATCHAL ISLAND	1437Z	18Oct2023
MINICOY	1437Z	18Oct2023
RAMESWARAM	1444Z	18Oct2023
CAR NICOBAR	1445Z	18Oct2023
KOTTTAIPPATTANAM	1446Z	18Oct2023
QUILON	1450Z	18Oct2023
KOODANKULAM	1450Z	18Oct2023
KAVARATTI	1451Z	18Oct2023
KANYAKUMARI	1452Z	18Oct2023
ANDROTH	1453Z	18Oct2023
TRIVANDRUM	1454Z	18Oct2023
AGATTI	1500Z	18Oct2023
ALLEPPEY ALAPPUZHA	1502Z	18Oct2023
POOMBUHAR	1504Z	18Oct2023
PUDUCHERRY	1505Z	18Oct2023
AMINI	1508Z	18Oct2023
CUDDALORE	1509Z	18Oct2023
LITTLE ANDAMAN	1509Z	18Oct2023
MARAKKANAM	1510Z	18Oct2023
NORTH SENTINEL ISLAND	1511Z	18Oct2023
NAGAPATTINAM	1513Z	18Oct2023
KARAIKAL	1513Z	18Oct2023
MAHABALIPURAM	1515Z	18Oct2023
MALLIPATTINAM	1516Z	18Oct2023
MUTHUPET	1518Z	18Oct2023
ENNORE	1518Z	18Oct2023
VADANAPPALLY	1524Z	18Oct2023
PORT BLAIR	1527Z	18Oct2023
SRIHARIKOTA	1527Z	18Oct2023
CHENNAI	1529Z	18Oct2023
COCHIN	1530Z	18Oct2023
VAKKAD	1532Z	18Oct2023
BARREN ISLAND	1534Z	18Oct2023
MACHILIPATNAM	1536Z	18Oct2023
HAVELOCK	1538Z	18Oct2023
FLAT ISLAND	1540Z	18Oct2023
WEST & LANDFALL ISLAND	1541Z	18Oct2023
BEYPORE	1544Z	18Oct2023
NIJAMPATTANAM	1544Z	18Oct2023
PERUPALEM	1545Z	18Oct2023
KOTTAPATNAM	1546Z	18Oct2023
KASARAGOD	1548Z	18Oct2023
RANGATH BAY	1549Z	18Oct2023
KAKINADA	1550Z	18Oct2023
NARCONDAM ISLAND	1550Z	18Oct2023
MAHE	1552Z	18Oct2023
DIGLIPUR	1552Z	18Oct2023
KANNUR	1552Z	18Oct2023
INDONESIA		
BANTEN PANDEGLANG S	1244Z	18Oct2023
BENGKULU BENGKULU-UTARA P.ENGGANO	1246Z	18Oct2023
JABAR SUKABUMI UJUNG-GENTENG	1247Z	18Oct2023
JABAR GARUT	1247Z	18Oct2023
JABAR CIANJUR SINDANGBARANG	1247Z	18Oct2023
BANTEN LEBAK	1249Z	18Oct2023
BANTEN PANDEGLANG P.PANAITAN	1249Z	18Oct2023
JABAR SUKABUMI PELABUHAN-RATU	1250Z	18Oct2023
JABAR TASIKMALAYA	1250Z	18Oct2023

LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	1255Z 18Oct2023
LAMPUNG TANGGAMUS B	1256Z 18Oct2023
JATIM TRENGGALEK	1258Z 18Oct2023
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	1258Z 18Oct2023
JABAR CIAMIS	1258Z 18Oct2023
JATENG KEBUMEN	1259Z 18Oct2023
JATIM PACITAN	1300Z 18Oct2023
LAMPUNG TANGGAMUS T	1300Z 18Oct2023
LAMPUNG TANGGAMUS P.TABUAN	1300Z 18Oct2023
JATIM MALANG	1300Z 18Oct2023
JATIM BANYUWANGI S	1300Z 18Oct2023
JATENG WONOGIRI	1301Z 18Oct2023
DIY GUNUNG-KIDUL	1301Z 18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	1301Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	1302Z 18Oct2023
JATENG PURWOREJO	1303Z 18Oct2023
BALI BADUNG PANTAI-KUTA	1303Z 18Oct2023
JATENG CILACAP	1304Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	1304Z 18Oct2023
BENGKULU KAUR	1304Z 18Oct2023
DIY KULON-PROGO	1304Z 18Oct2023
NTB LOMBOK-BARAT S	1304Z 18Oct2023
BENGKULU BENGKULU-SELATAN	1304Z 18Oct2023
JATIM TULUNGAGUNG	1304Z 18Oct2023
JATIM BLITAR	1305Z 18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	1305Z 18Oct2023
JATIM JEMBER P.NUSABARUNG	1305Z 18Oct2023
JATIM JEMBER	1305Z 18Oct2023
NTB LOMBOK-TENGAH	1305Z 18Oct2023
BALI KLUNGKUNG P.NUSAPENIDA	1306Z 18Oct2023
BALI DENPASAR PANTAI-SANUR	1306Z 18Oct2023
DIY BANTUL	1307Z 18Oct2023
NTB LOMBOK-TIMUR S	1307Z 18Oct2023
NTB SUMBAWA B	1308Z 18Oct2023
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	1308Z 18Oct2023
NTB SUMBAWA S	1309Z 18Oct2023
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	1310Z 18Oct2023
JATIM LUMAJANG	1312Z 18Oct2023
BALI TABANAN	1313Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN KALIANDA	1313Z 18Oct2023
BANTEN PANDEGLANG U	1314Z 18Oct2023
MUARASIBERUT	1315Z 18Oct2023
BENGKULU SELUMA	1317Z 18Oct2023
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	1317Z 18Oct2023
NTT SUMBA B	1318Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN B	1319Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	1319Z 18Oct2023
BENGKULU BENGKULU-UTARA U	1320Z 18Oct2023
NTT SUMBA T	1321Z 18Oct2023
NTB DOMPU S	1321Z 18Oct2023
SUMUT NIAS-SELATAN P.TANABALA	1322Z 18Oct2023
BENGKULU BENGKULU-UTARA S	1323Z 18Oct2023
BENGKULU MUKOMUKO	1325Z 18Oct2023
NTB KOTA-BIMA S	1325Z 18Oct2023
SUMUT NIAS-SELATAN P.TANAHMASA	1326Z 18Oct2023
SAKUBO	1329Z 18Oct2023
SUMBAR PESISIR-SELATAN S	1330Z 18Oct2023
SUMUT NIAS B	1331Z 18Oct2023
SUMUT NIAS-SELATAN P.NIAS	1333Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	1334Z 18Oct2023
NTT KUPANG	1334Z 18Oct2023
MURASAIBI	1334Z 18Oct2023
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	1335Z 18Oct2023
SUMBAR PESISIR-SELATAN U	1336Z 18Oct2023

NTT MANGGARAI-BARAT P.	1337Z	18Oct2023
BANTEN KOTA-CILEGON P.SANGIANG	1337Z	18Oct2023
NAD SIMEULUE P.SIMEULUE	1340Z	18Oct2023
NTT MANGGARAI-BARAT S	1341Z	18Oct2023
MUARASIGEP	1341Z	18Oct2023
SUMBAR KOTA-PADANG S	1342Z	18Oct2023
BANTEN SERANG B	1344Z	18Oct2023
NTT ROTENDAO	1344Z	18Oct2023
NIAS-EAST	1347Z	18Oct2023
SUMBAR KOTA-PARIAMAN	1348Z	18Oct2023
NTB BIMA P.GILI	1348Z	18Oct2023
SUMBAR PADANG-PARIAMAN S	1348Z	18Oct2023
SUMBAR KOTA-PADANG U	1348Z	18Oct2023
SUMBAR KOTA-PADANG U	1349Z	18Oct2023
NAD ACEH-SINGKIL KEP.BANYAK	1349Z	18Oct2023
GUNUNGSITOLI	1350Z	18Oct2023
NTT MANGGARAI S	1351Z	18Oct2023
NTT ENDE S	1351Z	18Oct2023
NTT NGADA S	1351Z	18Oct2023
SUMBAR PADANG-PARIAMAN U	1352Z	18Oct2023
NTT SIKKA S	1354Z	18Oct2023
SOUTH OF BODAHAYIONE	1354Z	18Oct2023
SUMBAR AGAM	1356Z	18Oct2023
NIAS-NORTH	1357Z	18Oct2023
NTT FLORES-TIMUR S	1358Z	18Oct2023
NTT FLORES-TIMUR P.SOLOR	1359Z	18Oct2023
NIAS	1400Z	18Oct2023
NTT KOTA-KUPANG	1401Z	18Oct2023
NTT LEMBATA S	1403Z	18Oct2023
NTT TIMOR-TENGAH-SELATAN	1407Z	18Oct2023
NTT ALOR S	1409Z	18Oct2023
SUMUT MANDAILING-NATAL U	1410Z	18Oct2023
NAD ACEH-SELATAN U	1412Z	18Oct2023
BANTEN KOTA-CILEGON	1413Z	18Oct2023
NAD ACEH-SINGKIL	1415Z	18Oct2023
PANTE MACASSAR	1415Z	18Oct2023
NTT BELU S	1418Z	18Oct2023
NAD ACEH-BARAT-DAYA	1419Z	18Oct2023
NTT BELU U	1419Z	18Oct2023
NAD ACEH-JAYA	1420Z	18Oct2023
NAD NAGAN-RAYA	1422Z	18Oct2023
NAD ACEH-SELATAN S	1422Z	18Oct2023
NAD ACEH-BARAT	1423Z	18Oct2023
SUMUT TAPANULI-TENGAH U	1425Z	18Oct2023
SUMUT TAPANULI-TENGAH KEP.MURSALA	1425Z	18Oct2023
NAD ACEH-BESAR B	1426Z	18Oct2023
NAD ACEH-BESAR P.BREUEH	1428Z	18Oct2023
NAD ACEH-BESAR P.PENASI	1430Z	18Oct2023
NAD KOTA-SABANG P.WEH	1431Z	18Oct2023
NAD KOTA-BANDA-ACEH	1431Z	18Oct2023
SUMUT TAPANULI-SELATAN	1437Z	18Oct2023
SUMUT TAPANULI-TENGAH S	1437Z	18Oct2023
SUMUT MANDAILING-NATAL S	1440Z	18Oct2023
NAD ACEH-BESAR U	1444Z	18Oct2023
MALUKU MALUKU-TENGGARA-BARAT P.	1444Z	18Oct2023
NAD PIDIE	1446Z	18Oct2023
NAD BIREUEN	1502Z	18Oct2023
NAD ACEH-UTARA B	1510Z	18Oct2023
NAD KOTA-LHOKSEUMAWE	1510Z	18Oct2023
NAD ACEH-UTARA T	1523Z	18Oct2023
MALUKU MALUKU-TENGGARA-BARAT P.YAMDENA	1525Z	18Oct2023

MALUKU MALUKU-TENGGARA 1531Z 18Oct2023  
NAD ACEH-TIMUR 1550Z 18Oct2023  
KAIMANA 1554Z 18Oct2023

KENYA  
KIWAYU 1329Z 18Oct2023  
MVULENI 1334Z 18Oct2023  
KISIMACHANDE 1337Z 18Oct2023  
TAKAUNGU 1337Z 18Oct2023  
MALINDI 1338Z 18Oct2023  
KIPINI 1341Z 18Oct2023

MADAGASCAR  
MANANTENINA 0954Z 18Oct2023  
FARAFAGANA 0954Z 18Oct2023  
AMBAHY 1010Z 18Oct2023  
TOAMASINA AIRPORT 1017Z 18Oct2023  
ANDROKA 1020Z 18Oct2023  
SAMPONA 1024Z 18Oct2023  
EUROPA ISLAND 1049Z 18Oct2023  
VOHEMAR 1049Z 18Oct2023  
TAMPOLO 1057Z 18Oct2023  
MANJA 1123Z 18Oct2023  
ANOROTSANGANA 1124Z 18Oct2023  
TAMOTAMO 1145Z 18Oct2023  
JUAN DE NOVA ISLAND 1149Z 18Oct2023  
GLORIOSO ISLANDS 1153Z 18Oct2023  
AMBANJA 1229Z 18Oct2023  
BALY 1231Z 18Oct2023

MALDIVES  
HITHADHOO 1303Z 18Oct2023  
THINADHOO 1318Z 18Oct2023  
DHIYAMIGILI 1328Z 18Oct2023  
KOLHUFUSHI 1339Z 18Oct2023  
NILANDHOO 1344Z 18Oct2023  
MALE 1354Z 18Oct2023  
FERIDHOO 1355Z 18Oct2023  
KULHUDUFFUSHI 1404Z 18Oct2023  
GOIDHOO 1410Z 18Oct2023

MAURITIUS  
GRANDE REVIERE SUD EST-EAST 0955Z 18Oct2023  
GRANDE REVIERE SUD EST-WEST 0958Z 18Oct2023  
LA FERME 1006Z 18Oct2023  
CARGADOS CARAJOS 1044Z 18Oct2023  
AGALEGA ISLAND 1125Z 18Oct2023

MOZAMBIQUE  
INHARRIME 1102Z 18Oct2023  
POMENE 1113Z 18Oct2023  
MAGUEMBA 1116Z 18Oct2023  
MAPUTO 1122Z 18Oct2023  
VILANKULO 1131Z 18Oct2023  
XAI-XAI 1131Z 18Oct2023  
MALUANA 1135Z 18Oct2023  
ZAVALA 1137Z 18Oct2023  
INHASSORO 1146Z 18Oct2023  
MOEBASE 1155Z 18Oct2023  
MOGINCUAL 1158Z 18Oct2023  
OCONE 1202Z 18Oct2023  
NAMORRE 1203Z 18Oct2023  
AMADE 1209Z 18Oct2023  
LUMBO 1212Z 18Oct2023

NANGATA	1220Z	18Oct2023
LURIO	1228Z	18Oct2023
NHANGAU	1229Z	18Oct2023
MECUFI	1230Z	18Oct2023
MURREBUE	1235Z	18Oct2023
PEMBA	1237Z	18Oct2023
MAIONGUE	1243Z	18Oct2023
VILA DO CHINDE	1245Z	18Oct2023
TAVARI	1246Z	18Oct2023
QUITERAJÓ	1248Z	18Oct2023
NOVA LUSITANIA	1251Z	18Oct2023
MINHAUINE	1254Z	18Oct2023
MERONVI	1303Z	18Oct2023
MAGANJA	1304Z	18Oct2023

MYANMAR

LITTLE COCO ISLAND	1555Z	18Oct2023
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OMAN

MIRBAT	1536Z	18Oct2023
SALALAH	1537Z	18Oct2023
HASIK	1537Z	18Oct2023
TAQAH	1538Z	18Oct2023

SEYCHELLES

FARQUHAR GROUP	1133Z	18Oct2023
ASTOVE ISLAND	1153Z	18Oct2023
ALPHONSE ISLAND	1157Z	18Oct2023
COETIVY ISLAND	1159Z	18Oct2023
ALDABRA	1207Z	18Oct2023
TAKAMAKA	1212Z	18Oct2023
ILE DESROCHES	1216Z	18Oct2023
FREGATE ISLAND	1251Z	18Oct2023

SOMALIA

KAAMBOONI	1328Z	18Oct2023
TURDHO	1331Z	18Oct2023
NE BEERNAASI	1331Z	18Oct2023
JILIB	1332Z	18Oct2023
BARAAWE	1334Z	18Oct2023
UARSCIECH	1335Z	18Oct2023
ITALA	1336Z	18Oct2023
BEYNAX BARRE	1337Z	18Oct2023
MUQDISHO	1338Z	18Oct2023
MAREEG	1343Z	18Oct2023
CEEL DHEER	1349Z	18Oct2023
XARARDHEERE	1353Z	18Oct2023
GALDOGOB	1359Z	18Oct2023
JARIIBAN	1410Z	18Oct2023
BANDER-BEYLA	1415Z	18Oct2023
EYL	1420Z	18Oct2023
TOOXIN	1438Z	18Oct2023
ABO	1501Z	18Oct2023
QANDALA	1527Z	18Oct2023
HADAAFTIMO	1543Z	18Oct2023
BOSASO	1550Z	18Oct2023
MAYDH	1559Z	18Oct2023

SOUTH AFRICA

FUNK SEAMOUNT	0753Z	18Oct2023
ZIKHOVA	1028Z	18Oct2023

KENTANI	1029Z	18Oct2023
LUSIKISIKI	1031Z	18Oct2023
PEDDIE	1031Z	18Oct2023
WILLOWVALE	1032Z	18Oct2023
ELLIOTDALE	1032Z	18Oct2023
MARSHSTRAND	1032Z	18Oct2023
KAYSER'S BEACH	1032Z	18Oct2023
PORT ST JOHNS	1033Z	18Oct2023
NGQUELENI	1034Z	18Oct2023
MARGATE	1035Z	18Oct2023
BIZANA	1035Z	18Oct2023
BATHURST	1036Z	18Oct2023
ALEXANDRIA	1036Z	18Oct2023
KELSO	1037Z	18Oct2023
MANDI	1044Z	18Oct2023
PORT DURNFORD	1047Z	18Oct2023
GWABALANDA HITAWI	1048Z	18Oct2023
PORT ELIZABETH	1050Z	18Oct2023
GAMTOOS	1050Z	18Oct2023
LAKE SIBAYI	1053Z	18Oct2023
ABORETUM	1054Z	18Oct2023
KOSIMEER	1101Z	18Oct2023
HUMANSDORP	1110Z	18Oct2023
HANKEY	1117Z	18Oct2023
GEORGE	1126Z	18Oct2023
HEIDELBERG	1132Z	18Oct2023
MOSSEL	1140Z	18Oct2023
WITAAND	1202Z	18Oct2023
BREDASDORP	1203Z	18Oct2023

SRI LANKA

MATARA	1354Z	18Oct2023
GALLE	1355Z	18Oct2023
TANGALLE	1401Z	18Oct2023
AMBALANGODA	1401Z	18Oct2023
HAMBANTOTA	1402Z	18Oct2023
KIRINDA	1403Z	18Oct2023
BERUWALA	1406Z	18Oct2023
POTTUVIL	1406Z	18Oct2023
AKKARAIATTU	1409Z	18Oct2023
MORATUWA	1411Z	18Oct2023
BATTICALOA	1411Z	18Oct2023
OKANDA	1411Z	18Oct2023
COLOMBO	1414Z	18Oct2023
NEGOMBO	1416Z	18Oct2023
MUNDAL LAKE	1424Z	18Oct2023
KATTANKUDI	1425Z	18Oct2023
ANAITIVU	1425Z	18Oct2023
MANNAR ISLAND	1428Z	18Oct2023
PANKULAM	1428Z	18Oct2023
MULLAITTIVU	1439Z	18Oct2023
MUSALI	1448Z	18Oct2023
CHUNDIKKULAM	1459Z	18Oct2023
CHAVAKACHCHERI	1506Z	18Oct2023
POINT PEDRO	1511Z	18Oct2023

TANZANIA

MADANGWA	1308Z	18Oct2023
RUVU	1310Z	18Oct2023
JIMBO	1320Z	18Oct2023
VUMBA	1322Z	18Oct2023
SONGO SONGO ISLAND	1322Z	18Oct2023
ZANZIBAR	1323Z	18Oct2023
VUMBI	1327Z	18Oct2023

GAZIJA 1328Z 18Oct2023  
KUTANI 1331Z 18Oct2023  
MSASANI 1339Z 18Oct2023  
BAGAMOYO 1340Z 18Oct2023  
BOMALANDNI 1346Z 18Oct2023  
WEST TO KONDE 1349Z 18Oct2023

THAILAND

THAI MUEANG 1545Z 18Oct2023  
KO RACHA NOI 1550Z 18Oct2023

TIMOR-LESTE

PANTE MACASSAR 1412Z 18Oct2023  
LIQUICA 1418Z 18Oct2023  
BOBONARO 1419Z 18Oct2023  
DILI 1425Z 18Oct2023  
COVALIMA 1426Z 18Oct2023  
AINARO 1426Z 18Oct2023  
MANUFAHI 1430Z 18Oct2023  
MANATUTO NORTH 1434Z 18Oct2023  
VIQUEQUE 1436Z 18Oct2023  
MANATUTO SOUTH 1436Z 18Oct2023  
BAUCAU 1437Z 18Oct2023  
LAUTEM 1441Z 18Oct2023

UNITED KINGDOM

DIEGO GARCIA 1204Z 18Oct2023  
NW EGMONT ISLAND 1226Z 18Oct2023  
MORESBY ISLAND 1230Z 18Oct2023

YEMEN

SOCOTRA ISLAND NORTH 1446Z 18Oct2023  
SOCOTRA ISLAND SOUTH 1447Z 18Oct2023  
SOCOTRA ISLAND WEST 1449Z 18Oct2023  
HARRAH 1534Z 18Oct2023  
HAMI 1535Z 18Oct2023  
EAST TO HAMI 1535Z 18Oct2023  
AL MUKALLA 1537Z 18Oct2023  
AL GHAYDAH AIRPORT 1538Z 18Oct2023  
DAMQAWT 1539Z 18Oct2023  
BROM MAYFA 1539Z 18Oct2023  
HUSWAYN 1541Z 18Oct2023  
MASILAH WADI 1542Z 18Oct2023  
ALQUMRAH 1546Z 18Oct2023  
RUDUM 1548Z 18Oct2023  
AHWAR 1559Z 18Oct2023

4. ADVICE

This bulletin is being issued as advice. Only national/state/local authorities and disaster management officers have the authority to make decisions regarding the official threat and warning status in their coastal areas and any action to be taken in response.

5. UPDATES

Additional bulletins will be issued by IOTWMS-TSP AUSTRALIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:

TSP INDIA: <http://www.incois.gov.in/Incois/tsunami/eqevents.jsp>

TSP INDONESIA: <http://rtsp.bmkg.go.id>



6. CONTACT INFORMATION

IOTWMS-TSP AUSTRALIA

Joint Australian Tsunami Warning Centre (JATWC)

Bureau of Meteorology

GPO BOX 1289 Melbourne, Victoria, Australia, 3001

<http://reg.bom.gov.au/tsunami/rtsp>

END OF BULLETIN

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#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####

# BULLETIN 8

IDY68501

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#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####
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TSUNAMI BULLETIN NUMBER 8 (TYPE-III CONFIRMED THREAT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 1230 UTC Wednesday 18 October 2023  
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... CONFIRMED TSUNAMI THREAT IN THE INDIAN OCEAN...

This bulletin applies to areas within and bordering the Indian Ocean. It is issued in support of the UNESCO/IOC Indian Ocean Tsunami Warning and Mitigation System (IOTWMS).

## 1. TSUNAMI SOURCE INFORMATION

IOTWMS-TSP AUSTRALIA has detected a volcanic eruption at Heard Island with the following details:

Date: 18 Oct 2023  
Origin Time: 0400 UTC  
Latitude: 53.10S  
Longitude: 73.52E  
Location: KERGUELEN ISLANDS REGION

## 2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.  
Maximum wave amplitudes observed so far:

Kerguelen Is	FRANCE	49.50S	70.17E	3.58m	18 Oct 06:42 UTC
Marion Island	SOUTH AFRICA	46.90S	37.87E	2.52m	18 Oct 08:10 UTC
Syowa	ANTARCTICA	69.00S	39.57E	2.53m	18 Oct 08:38 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	2.04m	18 Oct 09:55 UTC
Rodrigues	MAURITIUS	19.70S	63.42E	1.92m	18 Oct 10:06 UTC
Blue Bay	MAURITIUS	20.50S	57.67E	1.60m	18 Oct 10:09 UTC
Pointe des Galets	REUNION ISLA	20.90S	55.28E	1.92m	18 Oct 10:15 UTC
Sainte Marie	REUNION	20.90S	55.54E	1.61m	18 Oct 10:29 UTC
Port Elizabeth	SOUTH AFRICA	34.00S	25.83E	1.54m	18 Oct 10:34 UTC
Toamasina	MADAGASCAR	18.20S	49.43E	1.50m	18 Oct 10:59 UTC
Inhambane	MOCAMBIQUE	24.00S	35.50E	1.61m	18 Oct 11:04 UTC
Hillarys Harbor	AUSTRALIA	31.80S	115.74E	1.41m	18 Oct 11:36 UTC
Deep Ocean Buoy 56001	INDIAN OCEAN	14.02S	109.94E	0.12m	18 Oct 11:52 UTC
Cocos Island.	AUSTRALIA	12.10S	96.89E	1.32m	18 Oct 11:54 UTC
Point Murat	AUSTRALIA	21.80S	114.19E	1.52m	18 Oct 11:54 UTC
Agalega	MAURITIUS	10.30S	56.59E	1.17m	18 Oct 11:58 UTC
Geraldton.	AUSTRALIA	28.80S	114.57E	1.35m	18 Oct 12:03 UTC
Cape Cuvier Wharf	AUSTRALIA	24.20S	113.40E	1.12m	18 Oct 12:13 UTC
Diego Garcia	UK	7.20S	72.43E	1.03m	18 Oct 12:23 UTC

Based on a tsunami travel time threat assessment, the zones listed below are POTENTIALLY UNDER THREAT.

## 3. TSUNAMI THREAT FOR THE INDIAN OCEAN

For this event all locations within 12.0000 hours are considered

under Threat.

The list below shows the forecast arrival time of the first wave predicted for the zone.

The list is grouped by country (alphabetic order) and ordered according to the earliest estimated times of arrival at the beach.

Please be aware that actual wave arrival times may differ from those below, and the initial wave may not be the largest. A tsunami is a series of waves and the time between successive waves can be five minutes to one hour.

Dangerous conditions should be expected to continue for a minimum of 14 hours after the predicted arrival time. As local conditions can cause a wide variation in tsunami wave action, CANCELLATION of national warnings and ALL CLEAR determination must be made by national/state/local authorities.

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	0400Z	18Oct2023
AURORA BANK	0426Z	18Oct2023
LEEUEWIN COAST	1015Z	18Oct2023
ALBANY COAST	1024Z	18Oct2023
GERALDTON COAST	1040Z	18Oct2023
BUNBURY GEOGRAPHE COAST	1042Z	18Oct2023
LANCELIN COAST	1046Z	18Oct2023
PERTH COAST	1047Z	18Oct2023
ESPERANCE COAST	1055Z	18Oct2023
GASCOYNE COAST	1120Z	18Oct2023
NINGALOO COAST	1128Z	18Oct2023
COCOS ISLAND	1140Z	18Oct2023
SOUTH CENTRAL COAST SA	1151Z	18Oct2023
SOUTH WEST COAST TAS	1152Z	18Oct2023
LOWER SOUTH EAST COAST SA	1154Z	18Oct2023
WEST COAST VIC	1158Z	18Oct2023
CENTRAL WEST COAST TAS	1159Z	18Oct2023
EUCLA COAST	1202Z	18Oct2023
LOWER WEST COAST SA	1210Z	18Oct2023
FAR NORTH WEST COAST TAS	1217Z	18Oct2023
CHRISTMAS ISLAND	1217Z	18Oct2023
CENTRAL COAST SA	1218Z	18Oct2023
PILBARA COAST WEST	1218Z	18Oct2023
UPPER SOUTH EAST COAST SA	1224Z	18Oct2023
CENTRAL COAST VIC	1234Z	18Oct2023
UPPER WEST COAST SA	1242Z	18Oct2023
FAR WEST COAST SA	1252Z	18Oct2023
PILBARA COAST EAST	1327Z	18Oct2023
ASHMORE REEF	1348Z	18Oct2023
CENTRAL NORTH COAST TAS	1436Z	18Oct2023
WEST KIMBERLY COAST	1456Z	18Oct2023
CENTRAL GIPPSLAND COAST	1500Z	18Oct2023
NORTH KIMBERLY COAST	1542Z	18Oct2023

COMOROS

DZAOUDZI	1218Z	18Oct2023
BAMBAO	1220Z	18Oct2023
FOMBONI	1230Z	18Oct2023
CHEZANI	1231Z	18Oct2023

FRANCE

ILE KERGUELEN	0534Z	18Oct2023
NES CROZET	0646Z	18Oct2023

ILE DE LA POSSESSION 0652Z 18Oct2023  
CROZET PLATEAU 0708Z 18Oct2023  
ILE SAINT-PAUL-SOUTH 0720Z 18Oct2023  
ILE SAINT-PAUL-NORTH 0729Z 18Oct2023  
SAINT-JOSEPH 0948Z 18Oct2023  
SAINT-DENIS 1000Z 18Oct2023

INDIA

INDIRA POINT 1431Z 18Oct2023  
TUTICORIN 1434Z 18Oct2023  
KOMATRA & KATCHAL ISLAND 1437Z 18Oct2023  
MINICOY 1437Z 18Oct2023  
RAMESWARAM 1444Z 18Oct2023  
CAR NICOBAR 1445Z 18Oct2023  
KOTTTAIPPATTANAM 1446Z 18Oct2023  
QUILON 1450Z 18Oct2023  
KODANKULAM 1450Z 18Oct2023  
KAVARATTI 1451Z 18Oct2023  
KANYAKUMARI 1452Z 18Oct2023  
ANDROTH 1453Z 18Oct2023  
TRIVANDRUM 1454Z 18Oct2023  
AGATTI 1500Z 18Oct2023  
ALLEPPEY ALAPPUZHA 1502Z 18Oct2023  
POOMBUHAR 1504Z 18Oct2023  
PUDUCHERRY 1505Z 18Oct2023  
AMINI 1508Z 18Oct2023  
CUDDALORE 1509Z 18Oct2023  
LITTLE ANDAMAN 1509Z 18Oct2023  
MARAKKANAM 1510Z 18Oct2023  
NORTH SENTINEL ISLAND 1511Z 18Oct2023  
NAGAPATTINAM 1513Z 18Oct2023  
KARAIKAL 1513Z 18Oct2023  
MAHABALIPURAM 1515Z 18Oct2023  
MALLIPATTINAM 1516Z 18Oct2023  
MUTHUPET 1518Z 18Oct2023  
ENNORE 1518Z 18Oct2023  
VADANAPPALLY 1524Z 18Oct2023  
PORT BLAIR 1527Z 18Oct2023  
SRIHARIKOTA 1527Z 18Oct2023  
CHENNAI 1529Z 18Oct2023  
COCHIN 1530Z 18Oct2023  
VAKKAD 1532Z 18Oct2023  
BARREN ISLAND 1534Z 18Oct2023  
MACHILIPATNAM 1536Z 18Oct2023  
HAVELOCK 1538Z 18Oct2023  
FLAT ISLAND 1540Z 18Oct2023  
WEST & LANDFALL ISLAND 1541Z 18Oct2023  
BEYPORE 1544Z 18Oct2023  
NIJAMPATTANAM 1544Z 18Oct2023  
PERUPALEM 1545Z 18Oct2023  
KOTTAPATNAM 1546Z 18Oct2023  
KASARAGOD 1548Z 18Oct2023  
RANGATH BAY 1549Z 18Oct2023  
KAKINADA 1550Z 18Oct2023  
NARCONDAM ISLAND 1550Z 18Oct2023  
MAHE 1552Z 18Oct2023  
DIGLIPUR 1552Z 18Oct2023  
KANNUR 1552Z 18Oct2023

INDONESIA

BANTEN PANDEGLANG S 1244Z 18Oct2023

BENGKULU BENGKULU-UTARA P.ENGGANO	1246Z	18Oct2023
JABAR SUKABUMI UJUNG-GENTENG	1247Z	18Oct2023
JABAR GARUT	1247Z	18Oct2023
JABAR CIANJUR SINDANGBARANG	1247Z	18Oct2023
BANTEN LEBAK	1249Z	18Oct2023
BANTEN PANDEGLANG P.PANAITAN	1249Z	18Oct2023
JABAR SUKABUMI PELABUHAN-RATU	1250Z	18Oct2023
JABAR TASIKMALAYA	1250Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	1255Z	18Oct2023
LAMPUNG TANGGAMUS B	1256Z	18Oct2023
JATIM TRENGGALEK	1258Z	18Oct2023
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	1258Z	18Oct2023
JABAR CIAMIS	1258Z	18Oct2023
JATENG KEBUMEN	1259Z	18Oct2023
JATIM PACITAN	1300Z	18Oct2023
LAMPUNG TANGGAMUS T	1300Z	18Oct2023
LAMPUNG TANGGAMUS P.TABUAN	1300Z	18Oct2023
JATIM MALANG	1300Z	18Oct2023
JATIM BANYUWANGI S	1300Z	18Oct2023
JATENG WONOGIRI	1301Z	18Oct2023
DIY GUNUNG-KIDUL	1301Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	1301Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	1302Z	18Oct2023
JATENG PURWOREJO	1303Z	18Oct2023
BALI BADUNG PANTAI-KUTA	1303Z	18Oct2023
JATENG CILACAP	1304Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	1304Z	18Oct2023
BENGKULU KAUR	1304Z	18Oct2023
DIY KULON-PROGO	1304Z	18Oct2023
NTB LOMBOK-BARAT S	1304Z	18Oct2023
BENGKULU BENGKULU-SELATAN	1304Z	18Oct2023
JATIM TULUNGAGUNG	1304Z	18Oct2023
JATIM BLITAR	1305Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	1305Z	18Oct2023
JATIM JEMBER P.NUSABARUNG	1305Z	18Oct2023
JATIM JEMBER	1305Z	18Oct2023
NTB LOMBOK-TENGAH	1305Z	18Oct2023
BALI KLUNGKUNG P.NUSAPENIDA	1306Z	18Oct2023
BALI DENPASAR PANTAI-SANUR	1306Z	18Oct2023
DIY BANTUL	1307Z	18Oct2023
NTB LOMBOK-TIMUR S	1307Z	18Oct2023
NTB SUMBAWA B	1308Z	18Oct2023
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	1308Z	18Oct2023
NTB SUMBAWA S	1309Z	18Oct2023
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	1310Z	18Oct2023
JATIM LUMAJANG	1312Z	18Oct2023
BALI TABANAN	1313Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KALIANDA	1313Z	18Oct2023
BANTEN PANDEGLANG U	1314Z	18Oct2023
MUARASIBERUT	1315Z	18Oct2023
BENGKULU SELUMA	1317Z	18Oct2023
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	1317Z	18Oct2023
NTT SUMBA B	1318Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN B	1319Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	1319Z	18Oct2023
BENGKULU BENGKULU-UTARA U	1320Z	18Oct2023
NTT SUMBA T	1321Z	18Oct2023
NTB DOMPU S	1321Z	18Oct2023
SUMUT NIAS-SELATAN P.TANABALA	1322Z	18Oct2023
BENGKULU BENGKULU-UTARA S	1323Z	18Oct2023
BENGKULU MUKOMUKO	1325Z	18Oct2023
NTB KOTA-BIMA S	1325Z	18Oct2023
SUMUT NIAS-SELATAN P.TANAHMASA	1326Z	18Oct2023
SAKUBO	1329Z	18Oct2023

SUMBAR PESISIR-SELATAN S	1330Z	18Oct2023
SUMUT NIAS B	1331Z	18Oct2023
SUMUT NIAS-SELATAN P.NIAS	1333Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	1334Z	18Oct2023
NTT KUPANG	1334Z	18Oct2023
MURASAIBI	1334Z	18Oct2023
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	1335Z	18Oct2023
SUMBAR PESISIR-SELATAN U	1336Z	18Oct2023
NTT MANGGARAI-BARAT P.	1337Z	18Oct2023
BANTEN KOTA-CILEGON P.SANGIANG	1337Z	18Oct2023
NAD SIMEULUE P.SIMEULUE	1340Z	18Oct2023
NTT MANGGARAI-BARAT S	1341Z	18Oct2023
MUARASIGEP	1341Z	18Oct2023
SUMBAR KOTA-PADANG S	1342Z	18Oct2023
BANTEN SERANG B	1344Z	18Oct2023
NTT ROTENDAO	1344Z	18Oct2023
NIAS-EAST	1347Z	18Oct2023
SUMBAR KOTA-PARIAMAN	1348Z	18Oct2023
NTB BIMA P.GILI	1348Z	18Oct2023
SUMBAR PADANG-PARIAMAN S	1348Z	18Oct2023
SUMBAR KOTA-PADANG U	1348Z	18Oct2023
SUMBAR KOTA-PADANG U	1349Z	18Oct2023
NAD ACEH-SINGKIL KEP.BANYAK	1349Z	18Oct2023
GUNUNGSITOLI	1350Z	18Oct2023
NTT MANGGARAI S	1351Z	18Oct2023
NTT ENDE S	1351Z	18Oct2023
NTT NGADA S	1351Z	18Oct2023
SUMBAR PADANG-PARIAMAN U	1352Z	18Oct2023
NTT SIKKA S	1354Z	18Oct2023
SOUTH OF BODAHAYIONE	1354Z	18Oct2023
SUMBAR AGAM	1356Z	18Oct2023
NIAS-NORTH	1357Z	18Oct2023
NTT FLORES-TIMUR S	1358Z	18Oct2023
NTT FLORES-TIMUR P.SOLOR	1359Z	18Oct2023
NIAS	1400Z	18Oct2023
NTT KOTA-KUPANG	1401Z	18Oct2023
NTT LEMBATA S	1403Z	18Oct2023
NTT TIMOR-TENGAH-SELATAN	1407Z	18Oct2023
NTT ALOR S	1409Z	18Oct2023
SUMUT MANDAILING-NATAL U	1410Z	18Oct2023
NAD ACEH-SELATAN U	1412Z	18Oct2023
BANTEN KOTA-CILEGON	1413Z	18Oct2023
NAD ACEH-SINGKIL	1415Z	18Oct2023
PANTE MACASSAR	1415Z	18Oct2023
NTT BELU S	1418Z	18Oct2023
NAD ACEH-BARAT-DAYA	1419Z	18Oct2023
NTT BELU U	1419Z	18Oct2023
NAD ACEH-JAYA	1420Z	18Oct2023
NAD NAGAN-RAYA	1422Z	18Oct2023
NAD ACEH-SELATAN S	1422Z	18Oct2023
NAD ACEH-BARAT	1423Z	18Oct2023
SUMUT TAPANULI-TENGAH U	1425Z	18Oct2023
SUMUT TAPANULI-TENGAH KEP.MURSALA	1425Z	18Oct2023
NAD ACEH-BESAR B	1426Z	18Oct2023
NAD ACEH-BESAR P.BREUEH	1428Z	18Oct2023
NAD ACEH-BESAR P.PENASI	1430Z	18Oct2023
NAD KOTA-SABANG P.WEH	1431Z	18Oct2023
NAD KOTA-BANDA-ACEH	1431Z	18Oct2023
SUMUT TAPANULI-SELATAN	1437Z	18Oct2023
SUMUT TAPANULI-TENGAH S	1437Z	18Oct2023
SUMUT MANDAILING-NATAL S	1440Z	18Oct2023

NAD ACEH-BESAR U 1444Z 18Oct2023  
MALUKU MALUKU-TENGGARA-BARAT P. 1444Z 18Oct2023  
NAD PIDIE 1446Z 18Oct2023  
NAD BIREUEN 1502Z 18Oct2023  
NAD ACEH-UTARA B 1510Z 18Oct2023  
NAD KOTA-LHOKSEUMAWA 1510Z 18Oct2023  
NAD ACEH-UTARA T 1523Z 18Oct2023  
MALUKU MALUKU-TENGGARA-BARAT P.YAMDENA 1525Z 18Oct2023  
MALUKU MALUKU-TENGGARA 1531Z 18Oct2023  
NAD ACEH-TIMUR 1550Z 18Oct2023  
KAIMANA 1554Z 18Oct2023

KENYA

KIWAYU 1329Z 18Oct2023  
MVULENI 1334Z 18Oct2023  
KISIMACHANDE 1337Z 18Oct2023  
TAKAUNGU 1337Z 18Oct2023  
MALINDI 1338Z 18Oct2023  
KIPINI 1341Z 18Oct2023

MADAGASCAR

MANANTENINA 0954Z 18Oct2023  
FARAFAGANA 0954Z 18Oct2023  
AMBAHY 1010Z 18Oct2023  
TOAMASINA AIRPORT 1017Z 18Oct2023  
ANDROKA 1020Z 18Oct2023  
SAMPONA 1024Z 18Oct2023  
EUROPA ISLAND 1049Z 18Oct2023  
VOHEMAR 1049Z 18Oct2023  
TAMPOLO 1057Z 18Oct2023  
MANJA 1123Z 18Oct2023  
ANOROTSANGANA 1124Z 18Oct2023  
TAMOTAMO 1145Z 18Oct2023  
JUAN DE NOVA ISLAND 1149Z 18Oct2023  
GLORIOSO ISLANDS 1153Z 18Oct2023  
AMBANJA 1229Z 18Oct2023  
BALY 1231Z 18Oct2023

MALDIVES

HITHADHOO 1303Z 18Oct2023  
THINADHOO 1318Z 18Oct2023  
DHIYAMIGILI 1328Z 18Oct2023  
KOLHUFUSHI 1339Z 18Oct2023  
NILANDHOO 1344Z 18Oct2023  
MALE 1354Z 18Oct2023  
FERIDHOO 1355Z 18Oct2023  
KULHUDUFFUSHI 1404Z 18Oct2023  
GOIDHOO 1410Z 18Oct2023

MAURITIUS

GRANDE REVIERE SUD EST-EAST 0955Z 18Oct2023  
GRANDE REVIERE SUD EST-WEST 0958Z 18Oct2023  
LA FERME 1006Z 18Oct2023  
CARGADOS CARAJOS 1044Z 18Oct2023  
AGALEGA ISLAND 1125Z 18Oct2023

MOZAMBIQUE

INHARRIME 1102Z 18Oct2023  
POMENE 1113Z 18Oct2023  
MAGUEMBA 1116Z 18Oct2023  
MAPUTO 1122Z 18Oct2023  
VILANKULO 1131Z 18Oct2023  
XAI-XAI 1131Z 18Oct2023  
MALUANA 1135Z 18Oct2023

ZAVALA	1137Z	18Oct2023
INHASSORO	1146Z	18Oct2023
MOEBASE	1155Z	18Oct2023
MOGINCUAL	1158Z	18Oct2023
OCONE	1202Z	18Oct2023
NAMORRE	1203Z	18Oct2023
AMADE	1209Z	18Oct2023
LUMBO	1212Z	18Oct2023
NANGATA	1220Z	18Oct2023
LURIO	1228Z	18Oct2023
NHANGAU	1229Z	18Oct2023
MECUFI	1230Z	18Oct2023
MURREBUE	1235Z	18Oct2023
PEMBA	1237Z	18Oct2023
MAIONGUE	1243Z	18Oct2023
VILA DO CHINDE	1245Z	18Oct2023
TAVARI	1246Z	18Oct2023
QUITERAJÓ	1248Z	18Oct2023
NOVA LUSITANIA	1251Z	18Oct2023
MINHAUINE	1254Z	18Oct2023
MERONVI	1303Z	18Oct2023
MAGANJA	1304Z	18Oct2023

MYANMAR

LITTLE COCO ISLAND 1555Z 18Oct2023

OMAN

MIRBAT	1536Z	18Oct2023
SALALAH	1537Z	18Oct2023
HASIK	1537Z	18Oct2023
TAQAH	1538Z	18Oct2023

SEYCHELLES

FARQUHAR GROUP	1133Z	18Oct2023
ASTOVE ISLAND	1153Z	18Oct2023
ALPHONSE ISLAND	1157Z	18Oct2023
COETIVY ISLAND	1159Z	18Oct2023
ALDABRA	1207Z	18Oct2023
TAKAMAKA	1212Z	18Oct2023
ILE DESROCHES	1216Z	18Oct2023
FREGATE ISLAND	1251Z	18Oct2023

SOMALIA

KAAMBOONI	1328Z	18Oct2023
TURDHO	1331Z	18Oct2023
NE BEERNAASI	1331Z	18Oct2023
JILIB	1332Z	18Oct2023
BARAAWE	1334Z	18Oct2023
UARSCIECH	1335Z	18Oct2023
ITALA	1336Z	18Oct2023
BEYNAX BARRE	1337Z	18Oct2023
MUQDISHO	1338Z	18Oct2023
MAREEG	1343Z	18Oct2023
CEEL DHEER	1349Z	18Oct2023
XARARDHEERE	1353Z	18Oct2023
GALDOGOB	1359Z	18Oct2023
JARIIBAN	1410Z	18Oct2023
BANDER-BEYLA	1415Z	18Oct2023
EYL	1420Z	18Oct2023
TOOXIN	1438Z	18Oct2023
ABO	1501Z	18Oct2023



QANDALA 1527Z 18Oct2023  
HADAAFTIMO 1543Z 18Oct2023  
BOSASO 1550Z 18Oct2023  
MAYDH 1559Z 18Oct2023

SOUTH AFRICA

FUNK SEAMOUNT 0753Z 18Oct2023  
ZIKHOVA 1028Z 18Oct2023  
KENTANI 1029Z 18Oct2023  
LUSIKISIKI 1031Z 18Oct2023  
PEDDIE 1031Z 18Oct2023  
WILLOWVALE 1032Z 18Oct2023  
ELLIOTDALE 1032Z 18Oct2023  
MARSHSTRAND 1032Z 18Oct2023  
KAYSER'S BEACH 1032Z 18Oct2023  
PORT ST JOHNS 1033Z 18Oct2023  
NGQUELENI 1034Z 18Oct2023  
MARGATE 1035Z 18Oct2023  
BIZANA 1035Z 18Oct2023  
BATHURST 1036Z 18Oct2023  
ALEXANDRIA 1036Z 18Oct2023  
KELSO 1037Z 18Oct2023  
MANDI 1044Z 18Oct2023  
PORT DURNFORD 1047Z 18Oct2023  
GWABALANDA HITAWI 1048Z 18Oct2023  
PORT ELIZABETH 1050Z 18Oct2023  
GAMTOOS 1050Z 18Oct2023  
LAKE SIBAYI 1053Z 18Oct2023  
ABORETUM 1054Z 18Oct2023  
KOSIMEER 1101Z 18Oct2023  
HUMANSDORP 1110Z 18Oct2023  
HANKEY 1117Z 18Oct2023  
GEORGE 1126Z 18Oct2023  
HEIDELBERG 1132Z 18Oct2023  
MOSSEL 1140Z 18Oct2023  
WITAAND 1202Z 18Oct2023  
BREDASDORP 1203Z 18Oct2023

SRI LANKA

MATARA 1354Z 18Oct2023  
GALLE 1355Z 18Oct2023  
TANGALLE 1401Z 18Oct2023  
AMBALANGODA 1401Z 18Oct2023  
HAMBANTOTA 1402Z 18Oct2023  
KIRINDA 1403Z 18Oct2023  
BERUWALA 1406Z 18Oct2023  
POTTUVIL 1406Z 18Oct2023  
AKKARAIATTU 1409Z 18Oct2023  
MORATUWA 1411Z 18Oct2023  
BATTICALOA 1411Z 18Oct2023  
OKANDA 1411Z 18Oct2023  
COLOMBO 1414Z 18Oct2023  
NEGOMBO 1416Z 18Oct2023  
MUNDAL LAKE 1424Z 18Oct2023  
KATTANKUDI 1425Z 18Oct2023  
ANAITIVU 1425Z 18Oct2023  
MANNAR ISLAND 1428Z 18Oct2023  
PANKULAM 1428Z 18Oct2023  
MULLAITTIVU 1439Z 18Oct2023  
MUSALI 1448Z 18Oct2023  
CHUNDIKKULAM 1459Z 18Oct2023  
CHAVAKACHCHERI 1506Z 18Oct2023  
POINT PEDRO 1511Z 18Oct2023

TANZANIA

MADANGWA	1308Z	18Oct2023
RUVU	1310Z	18Oct2023
JIMBO	1320Z	18Oct2023
VUMBA	1322Z	18Oct2023
SONGO SONGO ISLAND	1322Z	18Oct2023
ZANZIBAR	1323Z	18Oct2023
VUMBI	1327Z	18Oct2023
GAZIJA	1328Z	18Oct2023
KUTANI	1331Z	18Oct2023
MSASANI	1339Z	18Oct2023
BAGAMOYO	1340Z	18Oct2023
BOMALANDNI	1346Z	18Oct2023
WEST TO KONDE	1349Z	18Oct2023

THAILAND

THAI MUEANG	1545Z	18Oct2023
KO RACHA NOI	1550Z	18Oct2023

TIMOR-LESTE

PANTE MACASSAR	1412Z	18Oct2023
LIQUICA	1418Z	18Oct2023
BOBONARO	1419Z	18Oct2023
DILI	1425Z	18Oct2023
COVALIMA	1426Z	18Oct2023
AINARO	1426Z	18Oct2023
MANUFAHI	1430Z	18Oct2023
MANATUTO NORTH	1434Z	18Oct2023
VIQUEQUE	1436Z	18Oct2023
MANATUTO SOUTH	1436Z	18Oct2023
BAUCAU	1437Z	18Oct2023
LAUTEM	1441Z	18Oct2023

UNITED KINGDOM

DIEGO GARCIA	1204Z	18Oct2023
NW EGMONT ISLAND	1226Z	18Oct2023
MORESBY ISLAND	1230Z	18Oct2023

YEMEN

SOCOTRA ISLAND NORTH	1446Z	18Oct2023
SOCOTRA ISLAND SOUTH	1447Z	18Oct2023
SOCOTRA ISLAND WEST	1449Z	18Oct2023
HARRAH	1534Z	18Oct2023
HAMI	1535Z	18Oct2023
EAST TO HAMI	1535Z	18Oct2023
AL MUKALLA	1537Z	18Oct2023
AL GHAYDAH AIRPORT	1538Z	18Oct2023
DAMQAWT	1539Z	18Oct2023
BROM MAYFA	1539Z	18Oct2023
HUSWAYN	1541Z	18Oct2023
MASILAH WADI	1542Z	18Oct2023
ALQUMRAH	1546Z	18Oct2023
RUDUM	1548Z	18Oct2023
AHWAR	1559Z	18Oct2023

4. ADVICE

This bulletin is being issued as advice. Only national/state/local authorities and disaster management officers have the authority to make decisions regarding the official threat and warning status in their coastal areas and any action to be taken in response.

5. UPDATES

Additional bulletins will be issued by IOTWMS-TSP AUSTRALIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:

TSP INDIA: <http://www.incois.gov.in/Incois/tsunami/eqevents.jsp>

TSP INDONESIA: <http://rtsp.bmkg.go.id>

6. CONTACT INFORMATION

IOTWMS-TSP AUSTRALIA

Joint Australian Tsunami Warning Centre (JATWC)

Bureau of Meteorology

GPO BOX 1289 Melbourne, Victoria, Australia, 3001

<http://reg.bom.gov.au/tsunami/rtsp>

END OF BULLETIN

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#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####

# BULLETIN 9

IDY68501

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#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####
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TSUNAMI BULLETIN NUMBER 9 (TYPE-III CONFIRMED THREAT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 1330 UTC Wednesday 18 October 2023  
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... CONFIRMED TSUNAMI THREAT IN THE INDIAN OCEAN...

This bulletin applies to areas within and bordering the Indian Ocean. It is issued in support of the UNESCO/IOC Indian Ocean Tsunami Warning and Mitigation System (IOTWMS).

## 1. TSUNAMI SOURCE INFORMATION

IOTWMS-TSP AUSTRALIA has detected a volcanic eruption at Heard Island with the following details:

Date: 18 Oct 2023  
Origin Time: 0400 UTC  
Latitude: 53.10S  
Longitude: 73.52E  
Location: KERGUELEN ISLANDS REGION

## 2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.  
Maximum wave amplitudes observed so far:

Kerguelen Is	FRANCE	49.50S	70.17E	3.58m	18 Oct 06:42 UTC
Marion Island	SOUTH AFRICA	46.90S	37.87E	2.52m	18 Oct 08:10 UTC
Syowa	ANTARCTICA	69.00S	39.57E	2.53m	18 Oct 08:38 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	2.04m	18 Oct 09:55 UTC
Rodrigues	MAURITIUS	19.70S	63.42E	1.92m	18 Oct 10:06 UTC
Blue Bay	MAURITIUS	20.50S	57.67E	1.60m	18 Oct 10:09 UTC
Pointe des Galets	REUNION ISLA	20.90S	55.28E	1.92m	18 Oct 10:15 UTC
Sainte Marie	REUNION	20.90S	55.54E	1.61m	18 Oct 10:29 UTC
Port Elizabeth	SOUTH AFRICA	34.00S	25.83E	1.54m	18 Oct 10:34 UTC
Toamasina	MADAGASCAR	18.20S	49.43E	1.50m	18 Oct 10:59 UTC
Inhambane	MOCAMBIQUE	24.00S	35.50E	1.61m	18 Oct 11:04 UTC
Hillarys Harbor	AUSTRALIA	31.80S	115.74E	1.41m	18 Oct 11:36 UTC
Deep Ocean Buoy 56001	INDIAN OCEAN	14.02S	109.94E	0.12m	18 Oct 11:52 UTC
Cocos Island.	AUSTRALIA	12.10S	96.89E	1.32m	18 Oct 11:54 UTC
Point Murat	AUSTRALIA	21.80S	114.19E	1.52m	18 Oct 11:54 UTC
Agalega	MAURITIUS	10.30S	56.59E	1.17m	18 Oct 11:58 UTC
Geraldton.	AUSTRALIA	28.80S	114.57E	1.35m	18 Oct 12:03 UTC
Cape Cuvier Wharf	AUSTRALIA	24.20S	113.40E	1.12m	18 Oct 12:13 UTC
Diego Garcia	UK	7.20S	72.43E	1.03m	18 Oct 12:23 UTC
Comores	COMORES	11.70S	43.25E	1.22m	18 Oct 12:31 UTC
Dzaoudzi	FRANCE	12.80S	45.26E	1.18m	18 Oct 12:34 UTC
Deep Ocean Buoy 55015	TASMAN SEA 1	46.83S	160.26E	0.12m	18 Oct 12:35 UTC
Spring Bay	AUSTRALIA	42.50S	147.93E	0.95m	18 Oct 12:39 UTC
Maria Island	AUSTRALIA	42.60S	148.06E	1.25m	18 Oct 12:41 UTC
Christmas Is	AUSTRALIA	10.40S	105.67E	1.24m	18 Oct 12:41 UTC

Deep Ocean Buoy 55042	TASMAN SEA 2	44.90S	161.84E	0.14m	18 Oct 12:42 UTC
Portland.	AUSTRALIA	38.30S	141.61E	1.18m	18 Oct 12:48 UTC
Darlington	AUSTRALIA	42.60S	148.06E	1.19m	18 Oct 12:50 UTC
Southport Jetty	AUSTRALIA	43.50S	147.00E	1.01m	18 Oct 12:54 UTC
Pemba	MOCAMBIQUE	13.00S	40.48E	1.20m	18 Oct 12:56 UTC
Denis Island	SEYCHELLES	3.80S	55.67E	1.03m	18 Oct 12:56 UTC
King Edward Point	UK	54.17S	36.50W	1.20m	18 Oct 12:58 UTC
Esperance.	AUSTRALIA	33.83S	122.00E	1.30m	18 Oct 13:00 UTC
Puysegur Welcome Bay	NEW ZEALAND	46.17S	166.50E	1.21m	18 Oct 13:04 UTC
Pt LaRue	SEYCHELLES	4.50S	55.50E	0.97m	18 Oct 13:06 UTC
Cilacap	INDONESIA	7.80S	109.00E	1.02m	18 Oct 13:09 UTC
Tristan da Cunha	UK	37.10S	12.30W	1.17m	18 Oct 13:10 UTC
Prigi	INDONESIA	8.33S	111.83E	1.05m	18 Oct 13:10 UTC
Bengkunat	INDONESIA	5.52S	104.21E	1.16m	18 Oct 13:11 UTC
Deep Ocean Buoy 56003	INDIAN OCEAN	15.02S	117.94E	0.11m	18 Oct 13:12 UTC
Pangandaran	INDONESIA	7.83S	108.50E	1.23m	18 Oct 13:15 UTC
Binuangeun	INDONESIA	6.83S	106.00E	0.99m	18 Oct 13:17 UTC
Kota Agung	INDONESIA	5.67S	104.67E	0.90m	18 Oct 13:19 UTC
Lembar	INDONESIA	8.70S	116.07E	1.07m	18 Oct 13:20 UTC
Tanjung Lesung	INDONESIA	6.50S	105.50E	1.21m	18 Oct 13:22 UTC
Telukdalam	INDONESIA	0.50N	97.83E	0.83m	18 Oct 13:25 UTC

Based on a tsunami travel time threat assessment, the zones listed below are POTENTIALLY UNDER THREAT.

### 3. TSUNAMI THREAT FOR THE INDIAN OCEAN

For this event all locations within 12.0000 hours are considered under Threat.

The list below shows the forecast arrival time of the first wave predicted for the zone.

The list is grouped by country (alphabetic order) and ordered according to the earliest estimated times of arrival at the beach.

Please be aware that actual wave arrival times may differ from those below, and the initial wave may not be the largest. A tsunami is a series of waves and the time between successive waves can be five minutes to one hour.

Dangerous conditions should be expected to continue for a minimum of 14 hours after the predicted arrival time. As local conditions can cause a wide variation in tsunami wave action, CANCELLATION of national warnings and ALL CLEAR determination must be made by national/state/local authorities.

#### AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	0400Z	18Oct2023
AURORA BANK	0426Z	18Oct2023
LEEUWIN COAST	1015Z	18Oct2023
ALBANY COAST	1024Z	18Oct2023
GERALDTON COAST	1040Z	18Oct2023
BUNBURY GEOGRAPHE COAST	1042Z	18Oct2023
LANCELIN COAST	1046Z	18Oct2023
PERTH COAST	1047Z	18Oct2023
ESPERANCE COAST	1055Z	18Oct2023
GASCOYNE COAST	1120Z	18Oct2023
NINGALOO COAST	1128Z	18Oct2023
COCOS ISLAND	1140Z	18Oct2023
SOUTH CENTRAL COAST SA	1151Z	18Oct2023
SOUTH WEST COAST TAS	1152Z	18Oct2023
LOWER SOUTH EAST COAST SA	1154Z	18Oct2023
WEST COAST VIC	1158Z	18Oct2023

CENTRAL WEST COAST TAS	1159Z	18Oct2023
EUCLA COAST	1202Z	18Oct2023
LOWER WEST COAST SA	1210Z	18Oct2023
FAR NORTH WEST COAST TAS	1217Z	18Oct2023
CHRISTMAS ISLAND	1217Z	18Oct2023
CENTRAL COAST SA	1218Z	18Oct2023
PILBARA COAST WEST	1218Z	18Oct2023
UPPER SOUTH EAST COAST SA	1224Z	18Oct2023
CENTRAL COAST VIC	1234Z	18Oct2023
UPPER WEST COAST SA	1242Z	18Oct2023
FAR WEST COAST SA	1252Z	18Oct2023
PILBARA COAST EAST	1327Z	18Oct2023
ASHMORE REEF	1348Z	18Oct2023
CENTRAL NORTH COAST TAS	1436Z	18Oct2023
WEST KIMBERLY COAST	1456Z	18Oct2023
CENTRAL GIPPSLAND COAST	1500Z	18Oct2023
NORTH KIMBERLY COAST	1542Z	18Oct2023

COMOROS

DZAOUDZI	1218Z	18Oct2023
BAMBAO	1220Z	18Oct2023
FOMBONI	1230Z	18Oct2023
CHEZANI	1231Z	18Oct2023

FRANCE

ILE KERGUELEN	0534Z	18Oct2023
NES CROZET	0646Z	18Oct2023
ILE DE LA POSSESSION	0652Z	18Oct2023
CROZET PLATEAU	0708Z	18Oct2023
ILE SAINT-PAUL-SOUTH	0720Z	18Oct2023
ILE SAINT-PAUL-NORTH	0729Z	18Oct2023
SAINT-JOSEPH	0948Z	18Oct2023
SAINT-DENIS	1000Z	18Oct2023

INDIA

INDIRA POINT	1431Z	18Oct2023
TUTICORIN	1434Z	18Oct2023
KOMATRA & KATCHAL ISLAND	1437Z	18Oct2023
MINICOY	1437Z	18Oct2023
RAMESWARAM	1444Z	18Oct2023
CAR NICOBAR	1445Z	18Oct2023
KOTTTAIPPATTANAM	1446Z	18Oct2023
QUILON	1450Z	18Oct2023
KOODANKULAM	1450Z	18Oct2023
KAVARATTI	1451Z	18Oct2023
KANYAKUMARI	1452Z	18Oct2023
ANDROTH	1453Z	18Oct2023
TRIVANDRUM	1454Z	18Oct2023
AGATTI	1500Z	18Oct2023
ALLEPPEY ALAPPUZHA	1502Z	18Oct2023
POOMBUHAR	1504Z	18Oct2023
PUDUCHERRY	1505Z	18Oct2023
AMINI	1508Z	18Oct2023
CUDDALORE	1509Z	18Oct2023
LITTLE ANDAMAN	1509Z	18Oct2023
MARAKKANAM	1510Z	18Oct2023
NORTH SENTINEL ISLAND	1511Z	18Oct2023
NAGAPATTINAM	1513Z	18Oct2023
KARAIKAL	1513Z	18Oct2023
MAHABALIPURAM	1515Z	18Oct2023
MALLIPATTINAM	1516Z	18Oct2023

MUTHUPET	1518Z	18Oct2023
ENNORE	1518Z	18Oct2023
VADANAPPALLY	1524Z	18Oct2023
PORT BLAIR	1527Z	18Oct2023
SRIHARIKOTA	1527Z	18Oct2023
CHENNAI	1529Z	18Oct2023
COCHIN	1530Z	18Oct2023
VAKKAD	1532Z	18Oct2023
BARREN ISLAND	1534Z	18Oct2023
MACHILIPATNAM	1536Z	18Oct2023
HAVELOCK	1538Z	18Oct2023
FLAT ISLAND	1540Z	18Oct2023
WEST & LANDFALL ISLAND	1541Z	18Oct2023
BEYPORE	1544Z	18Oct2023
NIJAMPATTANAM	1544Z	18Oct2023
PERUPALEM	1545Z	18Oct2023
KOTTAPATNAM	1546Z	18Oct2023
KASARAGOD	1548Z	18Oct2023
RANGATH BAY	1549Z	18Oct2023
KAKINADA	1550Z	18Oct2023
NARCONDAM ISLAND	1550Z	18Oct2023
MAHE	1552Z	18Oct2023
DIGLIPUR	1552Z	18Oct2023
KANNUR	1552Z	18Oct2023

INDONESIA

BANTEN PANDEGLANG S	1244Z	18Oct2023
BENGKULU BENGKULU-UTARA P.ENGGANO	1246Z	18Oct2023
JABAR SUKABUMI UJUNG-GENTENG	1247Z	18Oct2023
JABAR GARUT	1247Z	18Oct2023
JABAR CIANJUR SINDANGBARANG	1247Z	18Oct2023
BANTEN LEBAK	1249Z	18Oct2023
BANTEN PANDEGLANG P.PANAITAN	1249Z	18Oct2023
JABAR SUKABUMI PELABUHAN-RATU	1250Z	18Oct2023
JABAR TASIKMALAYA	1250Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	1255Z	18Oct2023
LAMPUNG TANGGAMUS B	1256Z	18Oct2023
JATIM TRENGGALEK	1258Z	18Oct2023
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	1258Z	18Oct2023
JABAR CIAMIS	1258Z	18Oct2023
JATENG KEBUMEN	1259Z	18Oct2023
JATIM PACITAN	1300Z	18Oct2023
LAMPUNG TANGGAMUS T	1300Z	18Oct2023
LAMPUNG TANGGAMUS P.TABUAN	1300Z	18Oct2023
JATIM MALANG	1300Z	18Oct2023
JATIM BANYUWANGI S	1300Z	18Oct2023
JATENG WONOGIRI	1301Z	18Oct2023
DIY GUNUNG-KIDUL	1301Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	1301Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	1302Z	18Oct2023
JATENG PURWOREJO	1303Z	18Oct2023
BALI BADUNG PANTAI-KUTA	1303Z	18Oct2023
JATENG CILACAP	1304Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	1304Z	18Oct2023
BENGKULU KAUR	1304Z	18Oct2023
DIY KULON-PROGO	1304Z	18Oct2023
NTB LOMBOK-BARAT S	1304Z	18Oct2023
BENGKULU BENGKULU-SELATAN	1304Z	18Oct2023
JATIM TULUNGAGUNG	1304Z	18Oct2023
JATIM BLITAR	1305Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	1305Z	18Oct2023
JATIM JEMBER P.NUSABARUNG	1305Z	18Oct2023
JATIM JEMBER	1305Z	18Oct2023
NTB LOMBOK-TENGAH	1305Z	18Oct2023

BALI KLUNGKUNG P.NUSAPENIDA	1306Z	18Oct2023
BALI DENPASAR PANTAI-SANUR	1306Z	18Oct2023
DIY BANTUL	1307Z	18Oct2023
NTB LOMBOK-TIMUR S	1307Z	18Oct2023
NTB SUMBAWA B	1308Z	18Oct2023
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	1308Z	18Oct2023
NTB SUMBAWA S	1309Z	18Oct2023
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	1310Z	18Oct2023
JATIM LUMAJANG	1312Z	18Oct2023
BALI TABANAN	1313Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KALIANDA	1313Z	18Oct2023
BANTEN PANDEGLANG U	1314Z	18Oct2023
MUARASIBERUT	1315Z	18Oct2023
BENGKULU SELUMA	1317Z	18Oct2023
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	1317Z	18Oct2023
NTT SUMBA B	1318Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN B	1319Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	1319Z	18Oct2023
BENGKULU BENGKULU-UTARA U	1320Z	18Oct2023
NTT SUMBA T	1321Z	18Oct2023
NTB DOMPU S	1321Z	18Oct2023
SUMUT NIAS-SELATAN P.TANABALA	1322Z	18Oct2023
BENGKULU BENGKULU-UTARA S	1323Z	18Oct2023
BENGKULU MUKOMUKO	1325Z	18Oct2023
NTB KOTA-BIMA S	1325Z	18Oct2023
SUMUT NIAS-SELATAN P.TANAHMASA	1326Z	18Oct2023
SAKUBO	1329Z	18Oct2023
SUMBAR PESISIR-SELATAN S	1330Z	18Oct2023
SUMUT NIAS B	1331Z	18Oct2023
SUMUT NIAS-SELATAN P.NIAS	1333Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	1334Z	18Oct2023
NTT KUPANG	1334Z	18Oct2023
MURASAIBI	1334Z	18Oct2023
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	1335Z	18Oct2023
SUMBAR PESISIR-SELATAN U	1336Z	18Oct2023
NTT MANGGARAI-BARAT P.	1337Z	18Oct2023
BANTEN KOTA-CILEGON P.SANGIANG	1337Z	18Oct2023
NAD SIMEULUE P.SIMEULUE	1340Z	18Oct2023
NTT MANGGARAI-BARAT S	1341Z	18Oct2023
MUARASIGEP	1341Z	18Oct2023
SUMBAR KOTA-PADANG S	1342Z	18Oct2023
BANTEN SERANG B	1344Z	18Oct2023
NTT ROTENDAO	1344Z	18Oct2023
NIAS-EAST	1347Z	18Oct2023
SUMBAR KOTA-PARIAMAN	1348Z	18Oct2023
NTB BIMA P.GILI	1348Z	18Oct2023
SUMBAR PADANG-PARIAMAN S	1348Z	18Oct2023
SUMBAR KOTA-PADANG U	1348Z	18Oct2023
SUMBAR KOTA-PADANG U	1349Z	18Oct2023
NAD ACEH-SINGKIL KEP.BANYAK	1349Z	18Oct2023
GUNUNGSITOLI	1350Z	18Oct2023
NTT MANGGARAI S	1351Z	18Oct2023
NTT ENDE S	1351Z	18Oct2023
NTT NGADA S	1351Z	18Oct2023
SUMBAR PADANG-PARIAMAN U	1352Z	18Oct2023
NTT SIKKA S	1354Z	18Oct2023
SOUTH OF BODAHAYIONE	1354Z	18Oct2023
SUMBAR AGAM	1356Z	18Oct2023
NIAS-NORTH	1357Z	18Oct2023
NTT FLORES-TIMUR S	1358Z	18Oct2023
NTT FLORES-TIMUR P.SOLOR	1359Z	18Oct2023



NIAS	1400Z	18Oct2023
NTT KOTA-KUPANG	1401Z	18Oct2023
NTT LEMBATA S	1403Z	18Oct2023
NTT TIMOR-TENGAH-SELATAN	1407Z	18Oct2023
NTT ALOR S	1409Z	18Oct2023
SUMUT MANDAILING-NATAL U	1410Z	18Oct2023
NAD ACEH-SELATAN U	1412Z	18Oct2023
BANTEN KOTA-CILEGON	1413Z	18Oct2023
NAD ACEH-SINGKIL	1415Z	18Oct2023
PANTE MACASSAR	1415Z	18Oct2023
NTT BELU S	1418Z	18Oct2023
NAD ACEH-BARAT-DAYA	1419Z	18Oct2023
NTT BELU U	1419Z	18Oct2023
NAD ACEH-JAYA	1420Z	18Oct2023
NAD NAGAN-RAYA	1422Z	18Oct2023
NAD ACEH-SELATAN S	1422Z	18Oct2023
NAD ACEH-BARAT	1423Z	18Oct2023
SUMUT TAPANULI-TENGAH U	1425Z	18Oct2023
SUMUT TAPANULI-TENGAH KEP.MURSALA	1425Z	18Oct2023
NAD ACEH-BESAR B	1426Z	18Oct2023
NAD ACEH-BESAR P.BREUEH	1428Z	18Oct2023
NAD ACEH-BESAR P.PENASI	1430Z	18Oct2023
NAD KOTA-SABANG P.WEH	1431Z	18Oct2023
NAD KOTA-BANDA-ACEH	1431Z	18Oct2023
SUMUT TAPANULI-SELATAN	1437Z	18Oct2023
SUMUT TAPANULI-TENGAH S	1437Z	18Oct2023
SUMUT MANDAILING-NATAL S	1440Z	18Oct2023
NAD ACEH-BESAR U	1444Z	18Oct2023
MALUKU MALUKU-TENGGARA-BARAT P.	1444Z	18Oct2023
NAD PIDIE	1446Z	18Oct2023
NAD BIREUEN	1502Z	18Oct2023
NAD ACEH-UTARA B	1510Z	18Oct2023
NAD KOTA-LHOKSEUMAWE	1510Z	18Oct2023
NAD ACEH-UTARA T	1523Z	18Oct2023
MALUKU MALUKU-TENGGARA-BARAT P.YAMDENA	1525Z	18Oct2023
MALUKU MALUKU-TENGGARA	1531Z	18Oct2023
NAD ACEH-TIMUR	1550Z	18Oct2023
KAIMANA	1554Z	18Oct2023

KENYA		
KIWAYU	1329Z	18Oct2023
MVULENI	1334Z	18Oct2023
KISIMACHANDE	1337Z	18Oct2023
TAKAUNGU	1337Z	18Oct2023
MALINDI	1338Z	18Oct2023
KIPINI	1341Z	18Oct2023

MADAGASCAR		
MANANTENINA	0954Z	18Oct2023
FARAFAGANA	0954Z	18Oct2023
AMBAHY	1010Z	18Oct2023
TOAMASINA AIRPORT	1017Z	18Oct2023
ANDROKA	1020Z	18Oct2023
SAMPONA	1024Z	18Oct2023
EUROPA ISLAND	1049Z	18Oct2023
VOHEMAR	1049Z	18Oct2023
TAMPOLO	1057Z	18Oct2023
MANJA	1123Z	18Oct2023
ANOROTSANGANA	1124Z	18Oct2023
TAMOTAMO	1145Z	18Oct2023
JUAN DE NOVA ISLAND	1149Z	18Oct2023
GLORIOSO ISLANDS	1153Z	18Oct2023
AMBANJA	1229Z	18Oct2023
BALY	1231Z	18Oct2023

MALDIVES

HITHADHOO	1303Z	18Oct2023
THINADHOO	1318Z	18Oct2023
DHIYAMIGILI	1328Z	18Oct2023
KOLHUFUSHI	1339Z	18Oct2023
NILANDHOO	1344Z	18Oct2023
MALE	1354Z	18Oct2023
FERIDHOO	1355Z	18Oct2023
KULHUDUFFUSHI	1404Z	18Oct2023
GOIDHOO	1410Z	18Oct2023

MAURITIUS

GRANDE REVIERE	SUD EST-EAST	0955Z	18Oct2023
GRANDE REVIERE	SUD EST-WEST	0958Z	18Oct2023
LA FERME		1006Z	18Oct2023
CARGADOS CARAJOS		1044Z	18Oct2023
AGALEGA ISLAND		1125Z	18Oct2023

MOZAMBIQUE

INHARRIME	1102Z	18Oct2023
POMENE	1113Z	18Oct2023
MAGUEMBA	1116Z	18Oct2023
MAPUTO	1122Z	18Oct2023
VILANKULO	1131Z	18Oct2023
XAI-XAI	1131Z	18Oct2023
MALUANA	1135Z	18Oct2023
ZAVALA	1137Z	18Oct2023
INHASSORO	1146Z	18Oct2023
MOEBASE	1155Z	18Oct2023
MOGINCUAL	1158Z	18Oct2023
OCONE	1202Z	18Oct2023
NAMORRE	1203Z	18Oct2023
AMADE	1209Z	18Oct2023
LUMBO	1212Z	18Oct2023
NANGATA	1220Z	18Oct2023
LURIO	1228Z	18Oct2023
NHANGAU	1229Z	18Oct2023
MECUFI	1230Z	18Oct2023
MURREBUE	1235Z	18Oct2023
PEMBA	1237Z	18Oct2023
MAIONGUE	1243Z	18Oct2023
VILA DO CHINDE	1245Z	18Oct2023
TAVARI	1246Z	18Oct2023
QUITERAJO	1248Z	18Oct2023
NOVA LUSITANIA	1251Z	18Oct2023
MINHAUINE	1254Z	18Oct2023
MERONVI	1303Z	18Oct2023
MAGANJA	1304Z	18Oct2023

MYANMAR

LITTLE COCO ISLAND	1555Z	18Oct2023
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OMAN

MIRBAT	1536Z	18Oct2023
SALALAH	1537Z	18Oct2023
HASIK	1537Z	18Oct2023
TAQAH	1538Z	18Oct2023

SEYCHELLES

FARQUHAR GROUP	1133Z	18Oct2023
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ASTOVE ISLAND 1153Z 18Oct2023  
ALPHONSE ISLAND 1157Z 18Oct2023  
COETIVY ISLAND 1159Z 18Oct2023  
ALDABRA 1207Z 18Oct2023  
TAKAMAKA 1212Z 18Oct2023  
ILE DESROCHES 1216Z 18Oct2023  
FREGATE ISLAND 1251Z 18Oct2023

SOMALIA

KAAMBOONI 1328Z 18Oct2023  
TURDHO 1331Z 18Oct2023  
NE BEERNAASI 1331Z 18Oct2023  
JILIB 1332Z 18Oct2023  
BARAAWE 1334Z 18Oct2023  
UARSCIECH 1335Z 18Oct2023  
ITALA 1336Z 18Oct2023  
BEYNAX BARRE 1337Z 18Oct2023  
MUQDISHO 1338Z 18Oct2023  
MAREEG 1343Z 18Oct2023  
CEEL DHEER 1349Z 18Oct2023  
XARARDHEERE 1353Z 18Oct2023  
GALDOGOB 1359Z 18Oct2023  
JARIIBAN 1410Z 18Oct2023  
BANDER-BEYLA 1415Z 18Oct2023  
EYL 1420Z 18Oct2023  
TOOXIN 1438Z 18Oct2023  
ABO 1501Z 18Oct2023  
QANDALA 1527Z 18Oct2023  
HADAAFTIMO 1543Z 18Oct2023  
BOSASO 1550Z 18Oct2023  
MAYDH 1559Z 18Oct2023

SOUTH AFRICA

FUNK SEAMOUNT 0753Z 18Oct2023  
ZIKHOVA 1028Z 18Oct2023  
KENTANI 1029Z 18Oct2023  
LUSIKISIKI 1031Z 18Oct2023  
PEDDIE 1031Z 18Oct2023  
WILLOWVALE 1032Z 18Oct2023  
ELLIOTDALE 1032Z 18Oct2023  
MARSHSTRAND 1032Z 18Oct2023  
KAYSER'S BEACH 1032Z 18Oct2023  
PORT ST JOHNS 1033Z 18Oct2023  
NGQUELENI 1034Z 18Oct2023  
MARGATE 1035Z 18Oct2023  
BIZANA 1035Z 18Oct2023  
BATHURST 1036Z 18Oct2023  
ALEXANDRIA 1036Z 18Oct2023  
KELSO 1037Z 18Oct2023  
MANDI 1044Z 18Oct2023  
PORT DURNFORD 1047Z 18Oct2023  
GWABALANDA HITAWI 1048Z 18Oct2023  
PORT ELIZABETH 1050Z 18Oct2023  
GAMTOOS 1050Z 18Oct2023  
LAKE SIBAYI 1053Z 18Oct2023  
ABORETUM 1054Z 18Oct2023  
KOSIMEER 1101Z 18Oct2023  
HUMANSDORP 1110Z 18Oct2023  
HANKEY 1117Z 18Oct2023  
GEORGE 1126Z 18Oct2023  
HEIDELBERG 1132Z 18Oct2023  
MOSSEL 1140Z 18Oct2023  
WITAAND 1202Z 18Oct2023  
BREDASDORP 1203Z 18Oct2023

SRI LANKA

MATARA	1354Z	18Oct2023
GALLE	1355Z	18Oct2023
TANGALLE	1401Z	18Oct2023
AMBALANGODA	1401Z	18Oct2023
HAMBANTOTA	1402Z	18Oct2023
KIRINDA	1403Z	18Oct2023
BERUWALA	1406Z	18Oct2023
POTTUVIL	1406Z	18Oct2023
AKKARAI Pattu	1409Z	18Oct2023
MORATUWA	1411Z	18Oct2023
BATTICALOA	1411Z	18Oct2023
OKANDA	1411Z	18Oct2023
COLOMBO	1414Z	18Oct2023
NEGOMBO	1416Z	18Oct2023
MUNDAL LAKE	1424Z	18Oct2023
KATTANKUDI	1425Z	18Oct2023
ANAITIVU	1425Z	18Oct2023
MANNAR ISLAND	1428Z	18Oct2023
PANKULAM	1428Z	18Oct2023
MULLAITTIVU	1439Z	18Oct2023
MUSALI	1448Z	18Oct2023
CHUNDIKKULAM	1459Z	18Oct2023
CHAVAKACHCHERI	1506Z	18Oct2023
POINT PEDRO	1511Z	18Oct2023

TANZANIA

MADANGWA	1308Z	18Oct2023
RUVU	1310Z	18Oct2023
JIMBO	1320Z	18Oct2023
VUMBA	1322Z	18Oct2023
SONGO SONGO ISLAND	1322Z	18Oct2023
ZANZIBAR	1323Z	18Oct2023
VUMBI	1327Z	18Oct2023
GAZIJA	1328Z	18Oct2023
KUTANI	1331Z	18Oct2023
MSASANI	1339Z	18Oct2023
BAGAMOYO	1340Z	18Oct2023
BOMALANDNI	1346Z	18Oct2023
WEST TO KONDE	1349Z	18Oct2023

THAILAND

THAI MUEANG	1545Z	18Oct2023
KO RACHA NOI	1550Z	18Oct2023

TIMOR-LESTE

PANTE MACASSAR	1412Z	18Oct2023
LIQUICA	1418Z	18Oct2023
BOBONARO	1419Z	18Oct2023
DILI	1425Z	18Oct2023
COVALIMA	1426Z	18Oct2023
AINARO	1426Z	18Oct2023
MANUFAHI	1430Z	18Oct2023
MANATUTO NORTH	1434Z	18Oct2023
VIQUEQUE	1436Z	18Oct2023
MANATUTO SOUTH	1436Z	18Oct2023
BAUCAU	1437Z	18Oct2023
LAUTEM	1441Z	18Oct2023

UNITED KINGDOM

DIEGO GARCIA 1204Z 18Oct2023  
NW EGMONT ISLAND 1226Z 18Oct2023  
MORESBY ISLAND 1230Z 18Oct2023

YEMEN

SOCOTRA ISLAND NORTH 1446Z 18Oct2023  
SOCOTRA ISLAND SOUTH 1447Z 18Oct2023  
SOCOTRA ISLAND WEST 1449Z 18Oct2023  
HARRAH 1534Z 18Oct2023  
HAMI 1535Z 18Oct2023  
EAST TO HAMI 1535Z 18Oct2023  
AL MUKALLA 1537Z 18Oct2023  
AL GHAYDAH AIRPORT 1538Z 18Oct2023  
DAMQAWT 1539Z 18Oct2023  
BROM MAYFA 1539Z 18Oct2023  
HUSWAYN 1541Z 18Oct2023  
MASILAH WADI 1542Z 18Oct2023  
ALQUMRAH 1546Z 18Oct2023  
RUDUM 1548Z 18Oct2023  
AHWAR 1559Z 18Oct2023

4. ADVICE

This bulletin is being issued as advice. Only national/state/local authorities and disaster management officers have the authority to make decisions regarding the official threat and warning status in their coastal areas and any action to be taken in response.

5. UPDATES

Additional bulletins will be issued by IOTWMS-TSP AUSTRALIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:

TSP INDIA: <http://www.incois.gov.in/Incois/tsunami/eqevents.jsp>  
TSP INDONESIA: <http://rtsp.bmkg.go.id>

6. CONTACT INFORMATION

IOTWMS-TSP AUSTRALIA  
Joint Australian Tsunami Warning Centre (JATWC)  
Bureau of Meteorology  
GPO BOX 1289 Melbourne, Victoria, Australia, 3001  
<http://reg.bom.gov.au/tsunami/rtsp>

END OF BULLETIN

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#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####

# BULLETIN 10

IDY68501

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#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####
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TSUNAMI BULLETIN NUMBER 10 (TYPE-III CONFIRMED THREAT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 1430 UTC Wednesday 18 October 2023  
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... CONFIRMED TSUNAMI THREAT IN THE INDIAN OCEAN...

This bulletin applies to areas within and bordering the Indian Ocean. It is issued in support of the UNESCO/IOC Indian Ocean Tsunami Warning and Mitigation System (IOTWMS).

## 1. TSUNAMI SOURCE INFORMATION

IOTWMS-TSP AUSTRALIA has detected a volcanic eruption at Heard Island with the following details:

Date: 18 Oct 2023  
Origin Time: 0400 UTC  
Latitude: 53.10S  
Longitude: 73.52E  
Location: KERGUELEN ISLANDS REGION

## 2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.  
Maximum wave amplitudes observed so far:

Kerguelen Is	FRANCE	49.50S	70.17E	3.58m	18 Oct 06:42 UTC
Marion Island	SOUTH AFRICA	46.90S	37.87E	2.52m	18 Oct 08:10 UTC
Syowa	ANTARCTICA	69.00S	39.57E	2.53m	18 Oct 08:38 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	2.04m	18 Oct 09:55 UTC
Rodrigues	MAURITIUS	19.70S	63.42E	1.92m	18 Oct 10:06 UTC
Blue Bay	MAURITIUS	20.50S	57.67E	1.60m	18 Oct 10:09 UTC
Pointe des Galets	REUNION ISLA	20.90S	55.28E	1.92m	18 Oct 10:15 UTC
Sainte Marie	REUNION	20.90S	55.54E	1.61m	18 Oct 10:29 UTC
Port Elizabeth	SOUTH AFRICA	34.00S	25.83E	1.54m	18 Oct 10:34 UTC
Toamasina	MADAGASCAR	18.20S	49.43E	1.50m	18 Oct 10:59 UTC
Inhambane	MOCAMBIQUE	24.00S	35.50E	1.61m	18 Oct 11:04 UTC
Hillarys Harbor	AUSTRALIA	31.80S	115.74E	1.41m	18 Oct 11:36 UTC
Deep Ocean Buoy 56001	INDIAN OCEAN	14.02S	109.94E	0.12m	18 Oct 11:52 UTC
Cocos Island.	AUSTRALIA	12.10S	96.89E	1.32m	18 Oct 11:54 UTC
Point Murat	AUSTRALIA	21.80S	114.19E	1.52m	18 Oct 11:54 UTC
Agalega	MAURITIUS	10.30S	56.59E	1.17m	18 Oct 11:58 UTC
Geraldton.	AUSTRALIA	28.80S	114.57E	1.35m	18 Oct 12:03 UTC
Cape Cuvier Wharf	AUSTRALIA	24.20S	113.40E	1.12m	18 Oct 12:13 UTC
Diego Garcia	UK	7.20S	72.43E	1.03m	18 Oct 12:23 UTC
Comores	COMORES	11.70S	43.25E	1.22m	18 Oct 12:31 UTC
Dzaoudzi	FRANCE	12.80S	45.26E	1.18m	18 Oct 12:34 UTC
Deep Ocean Buoy 55015	TASMAN SEA 1	46.83S	160.26E	0.12m	18 Oct 12:35 UTC
Spring Bay	AUSTRALIA	42.50S	147.93E	0.95m	18 Oct 12:39 UTC
Maria Island	AUSTRALIA	42.60S	148.06E	1.25m	18 Oct 12:41 UTC
Christmas Is	AUSTRALIA	10.40S	105.67E	1.24m	18 Oct 12:41 UTC

IOC Technical Series, 181 (I) Supplement 3

page 73

Deep Ocean Buoy 55042	TASMAN SEA 2	44.90S	161.84E	0.14m	18 Oct 12:42	UTC
Portland.	AUSTRALIA	38.30S	141.61E	1.18m	18 Oct 12:48	UTC
Darlington	AUSTRALIA	42.60S	148.06E	1.19m	18 Oct 12:50	UTC
Southport Jetty	AUSTRALIA	43.50S	147.00E	1.01m	18 Oct 12:54	UTC
Pemba	MOCAMBIQUE	13.00S	40.48E	1.20m	18 Oct 12:56	UTC
Denis Island	SEYCHELLES	3.80S	55.67E	1.03m	18 Oct 12:56	UTC
King Edward Point	UK	54.17S	36.50W	1.20m	18 Oct 12:58	UTC
Esperance.	AUSTRALIA	33.83S	122.00E	1.30m	18 Oct 13:00	UTC
Puysegur Welcome Bay	NEW ZEALAND	46.17S	166.50E	1.21m	18 Oct 13:04	UTC
Pt LaRue	SEYCHELLES	4.50S	55.50E	0.97m	18 Oct 13:06	UTC
Cilacap	INDONESIA	7.80S	109.00E	1.02m	18 Oct 13:09	UTC
Tristan da Cunha	UK	37.10S	12.30W	1.17m	18 Oct 13:10	UTC
Prigi	INDONESIA	8.33S	111.83E	1.05m	18 Oct 13:10	UTC
Bengkunat	INDONESIA	5.52S	104.21E	1.16m	18 Oct 13:11	UTC
Deep Ocean Buoy 56003	INDIAN OCEAN	15.02S	117.94E	0.11m	18 Oct 13:12	UTC
Pangandaran	INDONESIA	7.83S	108.50E	1.23m	18 Oct 13:15	UTC
Binuangeun	INDONESIA	6.83S	106.00E	0.99m	18 Oct 13:17	UTC
Kota Agung	INDONESIA	5.67S	104.67E	0.90m	18 Oct 13:19	UTC
Lembar	INDONESIA	8.70S	116.07E	1.07m	18 Oct 13:20	UTC
Tanjung Lesung	INDONESIA	6.50S	105.50E	1.21m	18 Oct 13:22	UTC
Telukdalam	INDONESIA	0.50N	97.83E	0.83m	18 Oct 13:25	UTC
Sadeng	INDONESIA	8.33S	110.83E	0.88m	18 Oct 13:26	UTC
Benoa	INDONESIA	8.83S	115.33E	0.77m	18 Oct 13:26	UTC
Enggano	INDONESIA	5.30S	102.28E	1.00m	18 Oct 13:27	UTC
Gan	MALDIVES	0.70S	73.15E	0.96m	18 Oct 13:34	UTC
Marina Jambu	INDONESIA	6.19S	105.83E	0.84m	18 Oct 13:36	UTC
Ulladulla	AUSTRALIA	35.36S	150.48E	0.88m	18 Oct 13:38	UTC
Port Kembla	AUSTRALIA	34.50S	151.00E	1.17m	18 Oct 13:39	UTC
Mtwara	TANZANIA	10.33S	40.33E	0.82m	18 Oct 13:43	UTC
Lorne.	AUSTRALIA	38.50S	144.17E	0.99m	18 Oct 13:44	UTC
Panjang	INDONESIA	5.67S	105.33E	1.05m	18 Oct 13:44	UTC
Battery Point	AUSTRALIA	43.00S	147.33E	0.77m	18 Oct 13:45	UTC
Twofold Bay	AUSTRALIA	37.00S	150.00E	1.18m	18 Oct 13:46	UTC
Waikelo	INDONESIA	9.40S	119.22E	0.79m	18 Oct 13:46	UTC
Mombasa	KENYA	4.10S	39.65E	1.09m	18 Oct 13:48	UTC
Stony Point	AUSTRALIA	38.50S	145.17E	0.79m	18 Oct 13:56	UTC
Seblat	INDONESIA	3.17S	101.50E	1.08m	18 Oct 14:02	UTC
Rote	INDONESIA	10.70S	123.06E	0.78m	18 Oct 14:03	UTC
Deep Ocean Buoy 23227	BAY OF BENGA	6.26N	88.79E	0.09m	18 Oct 14:06	UTC
Lord Howe Island	AUSTRALIA	31.52S	159.06E	1.09m	18 Oct 14:10	UTC
Ciwandan	INDONESIA	6.00S	105.83E	0.99m	18 Oct 14:14	UTC
Male	MALDIVES	4.20N	73.53E	0.64m	18 Oct 14:14	UTC
Deep Ocean Buoy 23401	BAY OF BENGA	8.86N	88.56E	0.10m	18 Oct 14:16	UTC
Antarctica Base Prat	CHILE	62.48S	59.66W	1.11m	18 Oct 14:19	UTC
Lamu	KENYA	2.30S	40.90E	0.83m	18 Oct 14:25	UTC

Based on a tsunami travel time threat assessment, the zones listed below are POTENTIALLY UNDER THREAT.

### 3. TSUNAMI THREAT FOR THE INDIAN OCEAN

For this event all locations within 12.0000 hours are considered under Threat.

The list below shows the forecast arrival time of the first wave predicted for the zone.

The list is grouped by country (alphabetic order) and ordered according to the earliest estimated times of arrival at the beach.

Please be aware that actual wave arrival times may differ from those below, and the initial wave may not be the largest. A tsunami is a series of waves and the time between successive waves can be five minutes to one hour.

Dangerous conditions should be expected to continue for a minimum of 14 hours after the predicted arrival time. As local conditions can cause a wide variation in tsunami wave action, CANCELLATION of national warnings and ALL CLEAR determination must be made by national/state/local authorities.

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	0400Z	18Oct2023
AURORA BANK	0426Z	18Oct2023
LEEUEWIN COAST	1015Z	18Oct2023
ALBANY COAST	1024Z	18Oct2023
GERALDTON COAST	1040Z	18Oct2023
BUNBURY GEOGRAPHE COAST	1042Z	18Oct2023
LANCELIN COAST	1046Z	18Oct2023
PERTH COAST	1047Z	18Oct2023
ESPERANCE COAST	1055Z	18Oct2023
GASCOYNE COAST	1120Z	18Oct2023
NINGALOO COAST	1128Z	18Oct2023
COCOS ISLAND	1140Z	18Oct2023
SOUTH CENTRAL COAST SA	1151Z	18Oct2023
SOUTH WEST COAST TAS	1152Z	18Oct2023
LOWER SOUTH EAST COAST SA	1154Z	18Oct2023
WEST COAST VIC	1158Z	18Oct2023
CENTRAL WEST COAST TAS	1159Z	18Oct2023
EUCLA COAST	1202Z	18Oct2023
LOWER WEST COAST SA	1210Z	18Oct2023
FAR NORTH WEST COAST TAS	1217Z	18Oct2023
CHRISTMAS ISLAND	1217Z	18Oct2023
CENTRAL COAST SA	1218Z	18Oct2023
PILBARA COAST WEST	1218Z	18Oct2023
UPPER SOUTH EAST COAST SA	1224Z	18Oct2023
CENTRAL COAST VIC	1234Z	18Oct2023
UPPER WEST COAST SA	1242Z	18Oct2023
FAR WEST COAST SA	1252Z	18Oct2023
PILBARA COAST EAST	1327Z	18Oct2023
ASHMORE REEF	1348Z	18Oct2023
CENTRAL NORTH COAST TAS	1436Z	18Oct2023
WEST KIMBERLY COAST	1456Z	18Oct2023
CENTRAL GIPPSLAND COAST	1500Z	18Oct2023
NORTH KIMBERLY COAST	1542Z	18Oct2023

COMOROS

DZAOUDZI	1218Z	18Oct2023
BAMBAO	1220Z	18Oct2023
FOMBONI	1230Z	18Oct2023
CHEZANI	1231Z	18Oct2023

FRANCE

ILE KERGUELEN	0534Z	18Oct2023
NES CROZET	0646Z	18Oct2023
ILE DE LA POSSESSION	0652Z	18Oct2023
CROZET PLATEAU	0708Z	18Oct2023
ILE SAINT-PAUL-SOUTH	0720Z	18Oct2023
ILE SAINT-PAUL-NORTH	0729Z	18Oct2023
SAINT-JOSEPH	0948Z	18Oct2023
SAINT-DENIS	1000Z	18Oct2023

INDIA

INDIRA POINT	1431Z	18Oct2023
TUTICORIN	1434Z	18Oct2023



KOMATRA & KATCHAL ISLAND	1437Z	18Oct2023
MINICOY	1437Z	18Oct2023
RAMESWARAM	1444Z	18Oct2023
CAR NICOBAR	1445Z	18Oct2023
KOTTTAIPPATTANAM	1446Z	18Oct2023
QUILON	1450Z	18Oct2023
KOODANKULAM	1450Z	18Oct2023
KAVARATTI	1451Z	18Oct2023
KANYAKUMARI	1452Z	18Oct2023
ANDROTH	1453Z	18Oct2023
TRIVANDRUM	1454Z	18Oct2023
AGATTI	1500Z	18Oct2023
ALLEPPEY ALAPPUZHA	1502Z	18Oct2023
POOMBUHAR	1504Z	18Oct2023
PUDUCHERRY	1505Z	18Oct2023
AMINI	1508Z	18Oct2023
CUDDALORE	1509Z	18Oct2023
LITTLE ANDAMAN	1509Z	18Oct2023
MARAKKANAM	1510Z	18Oct2023
NORTH SENTINEL ISLAND	1511Z	18Oct2023
NAGAPATTINAM	1513Z	18Oct2023
KARAIKAL	1513Z	18Oct2023
MAHABALIPURAM	1515Z	18Oct2023
MALLIPATTINAM	1516Z	18Oct2023
MUTHUPET	1518Z	18Oct2023
ENNORE	1518Z	18Oct2023
VADANAPPALLY	1524Z	18Oct2023
PORT BLAIR	1527Z	18Oct2023
SRIHARIKOTA	1527Z	18Oct2023
CHENNAI	1529Z	18Oct2023
COCHIN	1530Z	18Oct2023
VAKKAD	1532Z	18Oct2023
BARREN ISLAND	1534Z	18Oct2023
MACHILIPATNAM	1536Z	18Oct2023
HAVELOCK	1538Z	18Oct2023
FLAT ISLAND	1540Z	18Oct2023
WEST & LANDFALL ISLAND	1541Z	18Oct2023
BEYPORE	1544Z	18Oct2023
NIJAMPATTANAM	1544Z	18Oct2023
PERUPALEM	1545Z	18Oct2023
KOTTAPATNAM	1546Z	18Oct2023
KASARAGOD	1548Z	18Oct2023
RANGATH BAY	1549Z	18Oct2023
KAKINADA	1550Z	18Oct2023
NARCONDAM ISLAND	1550Z	18Oct2023
MAHE	1552Z	18Oct2023
DIGLIPUR	1552Z	18Oct2023
KANNUR	1552Z	18Oct2023

INDONESIA

BANTEN PANDEGLANG S	1244Z	18Oct2023
BENGKULU BENGKULU-UTARA P. ENGGANO	1246Z	18Oct2023
JABAR SUKABUMI UJUNG-GENTENG	1247Z	18Oct2023
JABAR GARUT	1247Z	18Oct2023
JABAR CIANJUR SINDANGBARANG	1247Z	18Oct2023
BANTEN LEBAK	1249Z	18Oct2023
BANTEN PANDEGLANG P. PANAITAN	1249Z	18Oct2023
JABAR SUKABUMI PELABUHAN-RATU	1250Z	18Oct2023
JABAR TASIKMALAYA	1250Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	1255Z	18Oct2023
LAMPUNG TANGGAMUS B	1256Z	18Oct2023
JATIM TRENGGALEK	1258Z	18Oct2023
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	1258Z	18Oct2023
JABAR CIAMIS	1258Z	18Oct2023

JATENG KEBUMEN	1259Z	18Oct2023
JATIM PACITAN	1300Z	18Oct2023
LAMPUNG TANGGAMUS T	1300Z	18Oct2023
LAMPUNG TANGGAMUS P.TABUAN	1300Z	18Oct2023
JATIM MALANG	1300Z	18Oct2023
JATIM BANYUWANGI S	1300Z	18Oct2023
JATENG WONOGIRI	1301Z	18Oct2023
DIY GUNUNG-KIDUL	1301Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	1301Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	1302Z	18Oct2023
JATENG PURWOREJO	1303Z	18Oct2023
BALI BADUNG PANTAI-KUTA	1303Z	18Oct2023
JATENG CILACAP	1304Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	1304Z	18Oct2023
BENGKULU KAUR	1304Z	18Oct2023
DIY KULON-PROGO	1304Z	18Oct2023
NTB LOMBOK-BARAT S	1304Z	18Oct2023
BENGKULU BENGKULU-SELATAN	1304Z	18Oct2023
JATIM TULUNGAGUNG	1304Z	18Oct2023
JATIM BLITAR	1305Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	1305Z	18Oct2023
JATIM JEMBER P.NUSABARUNG	1305Z	18Oct2023
JATIM JEMBER	1305Z	18Oct2023
NTB LOMBOK-TENGAH	1305Z	18Oct2023
BALI KLUNGKUNG P.NUSAPENIDA	1306Z	18Oct2023
BALI DENPASAR PANTAI-SANUR	1306Z	18Oct2023
DIY BANTUL	1307Z	18Oct2023
NTB LOMBOK-TIMUR S	1307Z	18Oct2023
NTB SUMBAWA B	1308Z	18Oct2023
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	1308Z	18Oct2023
NTB SUMBAWA S	1309Z	18Oct2023
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	1310Z	18Oct2023
JATIM LUMAJANG	1312Z	18Oct2023
BALI TABANAN	1313Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KALIANDA	1313Z	18Oct2023
BANTEN PANDEGLANG U	1314Z	18Oct2023
MUARASIBERUT	1315Z	18Oct2023
BENGKULU SELUMA	1317Z	18Oct2023
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	1317Z	18Oct2023
NTT SUMBA B	1318Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN B	1319Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	1319Z	18Oct2023
BENGKULU BENGKULU-UTARA U	1320Z	18Oct2023
NTT SUMBA T	1321Z	18Oct2023
NTB DOMPU S	1321Z	18Oct2023
SUMUT NIAS-SELATAN P.TANABALA	1322Z	18Oct2023
BENGKULU BENGKULU-UTARA S	1323Z	18Oct2023
BENGKULU MUKOMUKO	1325Z	18Oct2023
NTB KOTA-BIMA S	1325Z	18Oct2023
SUMUT NIAS-SELATAN P.TANAHMASA	1326Z	18Oct2023
SAKUBO	1329Z	18Oct2023
SUMBAR PESISIR-SELATAN S	1330Z	18Oct2023
SUMUT NIAS B	1331Z	18Oct2023
SUMUT NIAS-SELATAN P.NIAS	1333Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	1334Z	18Oct2023
NTT KUPANG	1334Z	18Oct2023
MURASAIBI	1334Z	18Oct2023
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	1335Z	18Oct2023
SUMBAR PESISIR-SELATAN U	1336Z	18Oct2023
NTT MANGGARAI-BARAT P.	1337Z	18Oct2023
BANTEN KOTA-CILEGON P.SANGIANG	1337Z	18Oct2023

NAD SIMEULUE P.SIMEULUE	1340Z 18Oct2023
NTT MANGGARAI-BARAT S	1341Z 18Oct2023
MUARASIGEP	1341Z 18Oct2023
SUMBAR KOTA-PADANG S	1342Z 18Oct2023
BANTEN SERANG B	1344Z 18Oct2023
NTT ROTENDAO	1344Z 18Oct2023
NIAS-EAST	1347Z 18Oct2023
SUMBAR KOTA-PARIAMAN	1348Z 18Oct2023
NTB BIMA P.GILI	1348Z 18Oct2023
SUMBAR PADANG-PARIAMAN S	1348Z 18Oct2023
SUMBAR KOTA-PADANG U	1348Z 18Oct2023
SUMBAR KOTA-PADANG U	1349Z 18Oct2023
NAD ACEH-SINGKIL KEP.BANYAK	1349Z 18Oct2023
GUNUNGSITOLI	1350Z 18Oct2023
NTT MANGGARAI S	1351Z 18Oct2023
NTT ENDE S	1351Z 18Oct2023
NTT NGADA S	1351Z 18Oct2023
SUMBAR PADANG-PARIAMAN U	1352Z 18Oct2023
NTT SIKKA S	1354Z 18Oct2023
SOUTH OF BODAHAYIONE	1354Z 18Oct2023
SUMBAR AGAM	1356Z 18Oct2023
NIAS-NORTH	1357Z 18Oct2023
NTT FLORES-TIMUR S	1358Z 18Oct2023
NTT FLORES-TIMUR P.SOLOR	1359Z 18Oct2023
NIAS	1400Z 18Oct2023
NTT KOTA-KUPANG	1401Z 18Oct2023
NTT LEMBATA S	1403Z 18Oct2023
NTT TIMOR-TENGAH-SELATAN	1407Z 18Oct2023
NTT ALOR S	1409Z 18Oct2023
SUMUT MANDAILING-NATAL U	1410Z 18Oct2023
NAD ACEH-SELATAN U	1412Z 18Oct2023
BANTEN KOTA-CILEGON	1413Z 18Oct2023
NAD ACEH-SINGKIL	1415Z 18Oct2023
PANTE MACASSAR	1415Z 18Oct2023
NTT BELU S	1418Z 18Oct2023
NAD ACEH-BARAT-DAYA	1419Z 18Oct2023
NTT BELU U	1419Z 18Oct2023
NAD ACEH-JAYA	1420Z 18Oct2023
NAD NAGAN-RAYA	1422Z 18Oct2023
NAD ACEH-SELATAN S	1422Z 18Oct2023
NAD ACEH-BARAT	1423Z 18Oct2023
SUMUT TAPANULI-TENGAH U	1425Z 18Oct2023
SUMUT TAPANULI-TENGAH KEP.MURSALA	1425Z 18Oct2023
NAD ACEH-BESAR B	1426Z 18Oct2023
NAD ACEH-BESAR P.BREUEH	1428Z 18Oct2023
NAD ACEH-BESAR P.PENASI	1430Z 18Oct2023
NAD KOTA-SABANG P.WEH	1431Z 18Oct2023
NAD KOTA-BANDA-ACEH	1431Z 18Oct2023
SUMUT TAPANULI-SELATAN	1437Z 18Oct2023
SUMUT TAPANULI-TENGAH S	1437Z 18Oct2023
SUMUT MANDAILING-NATAL S	1440Z 18Oct2023
NAD ACEH-BESAR U	1444Z 18Oct2023
MALUKU MALUKU-TENGGARA-BARAT P.	1444Z 18Oct2023
NAD PIDIE	1446Z 18Oct2023
NAD BIREUEN	1502Z 18Oct2023
NAD ACEH-UTARA B	1510Z 18Oct2023
NAD KOTA-LHOKSEUMAWE	1510Z 18Oct2023
NAD ACEH-UTARA T	1523Z 18Oct2023
MALUKU MALUKU-TENGGARA-BARAT P.YAMDENA	1525Z 18Oct2023
MALUKU MALUKU-TENGGARA	1531Z 18Oct2023
NAD ACEH-TIMUR	1550Z 18Oct2023
KAIMANA	1554Z 18Oct2023

KENYA

KIWAYU 1329Z 18Oct2023  
MVULENI 1334Z 18Oct2023  
KISIMACHANDE 1337Z 18Oct2023  
TAKAUNGU 1337Z 18Oct2023  
MALINDI 1338Z 18Oct2023  
KIPINI 1341Z 18Oct2023

MADAGASCAR

MANANTENINA 0954Z 18Oct2023  
FARAFAGANA 0954Z 18Oct2023  
AMBAHY 1010Z 18Oct2023  
TOAMASINA AIRPORT 1017Z 18Oct2023  
ANDROKA 1020Z 18Oct2023  
SAMPONA 1024Z 18Oct2023  
EUROPA ISLAND 1049Z 18Oct2023  
VOHEMAR 1049Z 18Oct2023  
TAMPOLO 1057Z 18Oct2023  
MANJA 1123Z 18Oct2023  
ANOROTSANGANA 1124Z 18Oct2023  
TAMOTAMO 1145Z 18Oct2023  
JUAN DE NOVA ISLAND 1149Z 18Oct2023  
GLORIOSO ISLANDS 1153Z 18Oct2023  
AMBANJA 1229Z 18Oct2023  
BALY 1231Z 18Oct2023

MALDIVES

HITHADHOO 1303Z 18Oct2023  
THINADHOO 1318Z 18Oct2023  
DHIYAMIGILI 1328Z 18Oct2023  
KOLHUFUSHI 1339Z 18Oct2023  
NILANDHOO 1344Z 18Oct2023  
MALE 1354Z 18Oct2023  
FERIDHOO 1355Z 18Oct2023  
KULHUDUFFUSHI 1404Z 18Oct2023  
GOIDHOO 1410Z 18Oct2023

MAURITIUS

GRANDE REVIERE SUD EST-EAST 0955Z 18Oct2023  
GRANDE REVIERE SUD EST-WEST 0958Z 18Oct2023  
LA FERME 1006Z 18Oct2023  
CARGADOS CARAJOS 1044Z 18Oct2023  
AGALEGA ISLAND 1125Z 18Oct2023

MOZAMBIQUE

INHARRIME 1102Z 18Oct2023  
POMENE 1113Z 18Oct2023  
MAGUEMBA 1116Z 18Oct2023  
MAPUTO 1122Z 18Oct2023  
VILANKULO 1131Z 18Oct2023  
XAI-XAI 1131Z 18Oct2023  
MALUANA 1135Z 18Oct2023  
ZAVALA 1137Z 18Oct2023  
INHASSORO 1146Z 18Oct2023  
MOEBASE 1155Z 18Oct2023  
MOGINCUAL 1158Z 18Oct2023  
OCONE 1202Z 18Oct2023  
NAMORRE 1203Z 18Oct2023  
AMADE 1209Z 18Oct2023  
LUMBO 1212Z 18Oct2023  
NANGATA 1220Z 18Oct2023  
LURIO 1228Z 18Oct2023

NHANGAU 1229Z 18Oct2023  
MECUFI 1230Z 18Oct2023  
MURREBUE 1235Z 18Oct2023  
PEMBA 1237Z 18Oct2023  
MAIONGUE 1243Z 18Oct2023  
VILA DO CHINDE 1245Z 18Oct2023  
TAVARI 1246Z 18Oct2023  
QUITERAJÓ 1248Z 18Oct2023  
NOVA LUSITANIA 1251Z 18Oct2023  
MINHAUINE 1254Z 18Oct2023  
MERONVI 1303Z 18Oct2023  
MAGANJA 1304Z 18Oct2023

MYANMAR

LITTLE COCO ISLAND 1555Z 18Oct2023

OMAN

MIRBAT 1536Z 18Oct2023  
SALALAH 1537Z 18Oct2023  
HASIK 1537Z 18Oct2023  
TAQAH 1538Z 18Oct2023

SEYCHELLES

FARQUHAR GROUP 1133Z 18Oct2023  
ASTOVE ISLAND 1153Z 18Oct2023  
ALPHONSE ISLAND 1157Z 18Oct2023  
COETIVY ISLAND 1159Z 18Oct2023  
ALDABRA 1207Z 18Oct2023  
TAKAMAKA 1212Z 18Oct2023  
ILE DESROCHES 1216Z 18Oct2023  
FREGATE ISLAND 1251Z 18Oct2023

SOMALIA

KAAMBOONI 1328Z 18Oct2023  
TURDHO 1331Z 18Oct2023  
NE BEERNAASI 1331Z 18Oct2023  
JILIB 1332Z 18Oct2023  
BARAAWE 1334Z 18Oct2023  
UARSCIECH 1335Z 18Oct2023  
ITALA 1336Z 18Oct2023  
BEYNAX BARRE 1337Z 18Oct2023  
MUQDISHO 1338Z 18Oct2023  
MAREEG 1343Z 18Oct2023  
CEEL DHEER 1349Z 18Oct2023  
XARARDHEERE 1353Z 18Oct2023  
GALDOGOB 1359Z 18Oct2023  
JARIIBAN 1410Z 18Oct2023  
BANDER-BEYLA 1415Z 18Oct2023  
EYL 1420Z 18Oct2023  
TOOXIN 1438Z 18Oct2023  
ABO 1501Z 18Oct2023  
QANDALA 1527Z 18Oct2023  
HADAAFTIMO 1543Z 18Oct2023  
BOSASO 1550Z 18Oct2023  
MAYDH 1559Z 18Oct2023

SOUTH AFRICA

FUNK SEAMOUNT 0753Z 18Oct2023  
ZIKHOVA 1028Z 18Oct2023  
KENTANI 1029Z 18Oct2023  
LUSIKISIKI 1031Z 18Oct2023  
PEDDIE 1031Z 18Oct2023  
WILLOWVALE 1032Z 18Oct2023  
ELLIOTDALE 1032Z 18Oct2023

MARSHSTRAND	1032Z	18Oct2023
KAYSER'S BEACH	1032Z	18Oct2023
PORT ST JOHNS	1033Z	18Oct2023
NGQUELENI	1034Z	18Oct2023
MARGATE	1035Z	18Oct2023
BIZANA	1035Z	18Oct2023
BATHURST	1036Z	18Oct2023
ALEXANDRIA	1036Z	18Oct2023
KELSO	1037Z	18Oct2023
MANDI	1044Z	18Oct2023
PORT DURNFORD	1047Z	18Oct2023
GWABALANDA HITAWI	1048Z	18Oct2023
PORT ELIZABETH	1050Z	18Oct2023
GAMTOOS	1050Z	18Oct2023
LAKE SIBAYI	1053Z	18Oct2023
ABORETUM	1054Z	18Oct2023
KOSIMEER	1101Z	18Oct2023
HUMANSDORP	1110Z	18Oct2023
HANKEY	1117Z	18Oct2023
GEORGE	1126Z	18Oct2023
HEIDELBERG	1132Z	18Oct2023
MOSSEL	1140Z	18Oct2023
WITAAND	1202Z	18Oct2023
BREDASDORP	1203Z	18Oct2023

SRI LANKA

MATARA	1354Z	18Oct2023
GALLE	1355Z	18Oct2023
TANGALLE	1401Z	18Oct2023
AMBALANGODA	1401Z	18Oct2023
HAMBANTOTA	1402Z	18Oct2023
KIRINDA	1403Z	18Oct2023
BERUWALA	1406Z	18Oct2023
POTTUVIL	1406Z	18Oct2023
AKKARAIATTU	1409Z	18Oct2023
MORATUWA	1411Z	18Oct2023
BATTICALOA	1411Z	18Oct2023
OKANDA	1411Z	18Oct2023
COLOMBO	1414Z	18Oct2023
NEGOMBO	1416Z	18Oct2023
MUNDAL LAKE	1424Z	18Oct2023
KATTANKUDI	1425Z	18Oct2023
ANAITIVU	1425Z	18Oct2023
MANNAR ISLAND	1428Z	18Oct2023
PANKULAM	1428Z	18Oct2023
MULLAITTIVU	1439Z	18Oct2023
MUSALI	1448Z	18Oct2023
CHUNDIKKULAM	1459Z	18Oct2023
CHAVAKACHCHERI	1506Z	18Oct2023
POINT PEDRO	1511Z	18Oct2023

TANZANIA

MADANGWA	1308Z	18Oct2023
RUVU	1310Z	18Oct2023
JIMBO	1320Z	18Oct2023
VUMBA	1322Z	18Oct2023
SONGO SONGO ISLAND	1322Z	18Oct2023
ZANZIBAR	1323Z	18Oct2023
VUMBI	1327Z	18Oct2023
GAZIJA	1328Z	18Oct2023
KUTANI	1331Z	18Oct2023

MSASANI 1339Z 18Oct2023  
BAGAMOYO 1340Z 18Oct2023  
BOMALANDNI 1346Z 18Oct2023  
WEST TO KONDE 1349Z 18Oct2023

THAILAND

THAI MUEANG 1545Z 18Oct2023  
KO RACHA NOI 1550Z 18Oct2023

TIMOR-LESTE

PANTE MACASSAR 1412Z 18Oct2023  
LIQUICA 1418Z 18Oct2023  
BOBONARO 1419Z 18Oct2023  
DILI 1425Z 18Oct2023  
COVALIMA 1426Z 18Oct2023  
AINARO 1426Z 18Oct2023  
MANUFAHI 1430Z 18Oct2023  
MANATUTO NORTH 1434Z 18Oct2023  
VIQUEQUE 1436Z 18Oct2023  
MANATUTO SOUTH 1436Z 18Oct2023  
BAUCAU 1437Z 18Oct2023  
LAUTEM 1441Z 18Oct2023

UNITED KINGDOM

DIEGO GARCIA 1204Z 18Oct2023  
NW EGMONT ISLAND 1226Z 18Oct2023  
MORESBY ISLAND 1230Z 18Oct2023

YEMEN

SOCOTRA ISLAND NORTH 1446Z 18Oct2023  
SOCOTRA ISLAND SOUTH 1447Z 18Oct2023  
SOCOTRA ISLAND WEST 1449Z 18Oct2023  
HARRAH 1534Z 18Oct2023  
HAMI 1535Z 18Oct2023  
EAST TO HAMI 1535Z 18Oct2023  
AL MUKALLA 1537Z 18Oct2023  
AL GHAYDAH AIRPORT 1538Z 18Oct2023  
DAMQAWT 1539Z 18Oct2023  
BROM MAYFA 1539Z 18Oct2023  
HUSWAYN 1541Z 18Oct2023  
MASILAH WADI 1542Z 18Oct2023  
ALQUMRAH 1546Z 18Oct2023  
RUDUM 1548Z 18Oct2023  
AHWAR 1559Z 18Oct2023

4. ADVICE

This bulletin is being issued as advice. Only national/state/local authorities and disaster management officers have the authority to make decisions regarding the official threat and warning status in their coastal areas and any action to be taken in response.

5. UPDATES

Additional bulletins will be issued by IOTWMS-TSP AUSTRALIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:

TSP INDIA: <http://www.incois.gov.in/Incois/tsunami/eqevents.jsp>  
TSP INDONESIA: <http://rtsp.bmkg.go.id>

6. CONTACT INFORMATION

IOTWMS-TSP AUSTRALIA  
Joint Australian Tsunami Warning Centre (JATWC)  
Bureau of Meteorology

GPO BOX 1289 Melbourne, Victoria, Australia, 3001  
<http://reg.bom.gov.au/tsunami/rtsp>

END OF BULLETIN

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#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####



# BULLETIN 11

IDY68501

```
#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####
```

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TSUNAMI BULLETIN NUMBER 11 (TYPE-III CONFIRMED THREAT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 1530 UTC Wednesday 18 October 2023  
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... CONFIRMED TSUNAMI THREAT IN THE INDIAN OCEAN...

This bulletin applies to areas within and bordering the Indian Ocean. It is issued in support of the UNESCO/IOC Indian Ocean Tsunami Warning and Mitigation System (IOTWMS).

## 1. TSUNAMI SOURCE INFORMATION

IOTWMS-TSP AUSTRALIA has detected a volcanic eruption at Heard Island with the following details:

Date: 18 Oct 2023  
Origin Time: 0400 UTC  
Latitude: 53.10S  
Longitude: 73.52E  
Location: KERGUELEN ISLANDS REGION

## 2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.  
Maximum wave amplitudes observed so far:

Kerguelen Is	FRANCE	49.50S	70.17E	3.58m	18 Oct 06:42 UTC
Marion Island	SOUTH AFRICA	46.90S	37.87E	2.52m	18 Oct 08:10 UTC
Syowa	ANTARCTICA	69.00S	39.57E	2.53m	18 Oct 08:38 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	2.04m	18 Oct 09:55 UTC
Rodrigues	MAURITIUS	19.70S	63.42E	1.92m	18 Oct 10:06 UTC
Blue Bay	MAURITIUS	20.50S	57.67E	1.60m	18 Oct 10:09 UTC
Pointe des Galets	REUNION ISLA	20.90S	55.28E	1.92m	18 Oct 10:15 UTC
Sainte Marie	REUNION	20.90S	55.54E	1.61m	18 Oct 10:29 UTC
Port Elizabeth	SOUTH AFRICA	34.00S	25.83E	1.54m	18 Oct 10:34 UTC
Toamasina	MADAGASCAR	18.20S	49.43E	1.50m	18 Oct 10:59 UTC
Inhambane	MOCAMBIQUE	24.00S	35.50E	1.61m	18 Oct 11:04 UTC
Hillarys Harbor	AUSTRALIA	31.80S	115.74E	1.41m	18 Oct 11:36 UTC
Deep Ocean Buoy 56001	INDIAN OCEAN	14.02S	109.94E	0.12m	18 Oct 11:52 UTC
Cocos Island.	AUSTRALIA	12.10S	96.89E	1.32m	18 Oct 11:54 UTC
Point Murat	AUSTRALIA	21.80S	114.19E	1.52m	18 Oct 11:54 UTC
Agalega	MAURITIUS	10.30S	56.59E	1.17m	18 Oct 11:58 UTC
Geraldton.	AUSTRALIA	28.80S	114.57E	1.35m	18 Oct 12:03 UTC
Cape Cuvier Wharf	AUSTRALIA	24.20S	113.40E	1.12m	18 Oct 12:13 UTC
Diego Garcia	UK	7.20S	72.43E	1.03m	18 Oct 12:23 UTC
Comores	COMORES	11.70S	43.25E	1.22m	18 Oct 12:31 UTC
Dzaoudzi	FRANCE	12.80S	45.26E	1.18m	18 Oct 12:34 UTC
Deep Ocean Buoy 55015	TASMAN SEA 1	46.83S	160.26E	0.12m	18 Oct 12:35 UTC
Spring Bay	AUSTRALIA	42.50S	147.93E	0.95m	18 Oct 12:39 UTC
Maria Island	AUSTRALIA	42.60S	148.06E	1.25m	18 Oct 12:41 UTC
Christmas Is	AUSTRALIA	10.40S	105.67E	1.24m	18 Oct 12:41 UTC
Deep Ocean Buoy 55042	TASMAN SEA 2	44.90S	161.84E	0.14m	18 Oct 12:42 UTC
Portland.	AUSTRALIA	38.30S	141.61E	1.18m	18 Oct 12:48 UTC
Darlington	AUSTRALIA	42.60S	148.06E	1.19m	18 Oct 12:50 UTC

Southport Jetty	AUSTRALIA	43.50S	147.00E	1.01m	18 Oct 12:54	UTC
Pemba	MOCAMBIQUE	13.00S	40.48E	1.20m	18 Oct 12:56	UTC
Denis Island	SEYCHELLES	3.80S	55.67E	1.03m	18 Oct 12:56	UTC
King Edward Point	UK	54.17S	36.50W	1.20m	18 Oct 12:58	UTC
Esperance.	AUSTRALIA	33.83S	122.00E	1.30m	18 Oct 13:00	UTC
Puysegur Welcome Bay	NEW ZEALAND	46.17S	166.50E	1.21m	18 Oct 13:04	UTC
Pt LaRue	SEYCHELLES	4.50S	55.50E	0.97m	18 Oct 13:06	UTC
Cilacap	INDONESIA	7.80S	109.00E	1.02m	18 Oct 13:09	UTC
Tristan da Cunha	UK	37.10S	12.30W	1.17m	18 Oct 13:10	UTC
Prigi	INDONESIA	8.33S	111.83E	1.05m	18 Oct 13:10	UTC
Bengkunat	INDONESIA	5.52S	104.21E	1.16m	18 Oct 13:11	UTC
Deep Ocean Buoy 56003	INDIAN OCEAN	15.02S	117.94E	0.11m	18 Oct 13:12	UTC
Pangandaran	INDONESIA	7.83S	108.50E	1.23m	18 Oct 13:15	UTC
Binuangeun	INDONESIA	6.83S	106.00E	0.99m	18 Oct 13:17	UTC
Kota Agung	INDONESIA	5.67S	104.67E	0.90m	18 Oct 13:19	UTC
Lembar	INDONESIA	8.70S	116.07E	1.07m	18 Oct 13:20	UTC
Tanjung Lesung	INDONESIA	6.50S	105.50E	1.21m	18 Oct 13:22	UTC
Telukdalam	INDONESIA	0.50N	97.83E	0.83m	18 Oct 13:25	UTC
Sadeng	INDONESIA	8.33S	110.83E	0.88m	18 Oct 13:26	UTC
Benoa	INDONESIA	8.83S	115.33E	0.77m	18 Oct 13:26	UTC
Enggano	INDONESIA	5.30S	102.28E	1.00m	18 Oct 13:27	UTC
Gan	MALDIVES	0.70S	73.15E	0.96m	18 Oct 13:34	UTC
Marina Jambu	INDONESIA	6.19S	105.83E	0.84m	18 Oct 13:36	UTC
Ulladulla	AUSTRALIA	35.36S	150.48E	0.88m	18 Oct 13:38	UTC
Port Kembla	AUSTRALIA	34.50S	151.00E	1.17m	18 Oct 13:39	UTC
Mtwara	TANZANIA	10.33S	40.33E	0.82m	18 Oct 13:43	UTC
Lorne.	AUSTRALIA	38.50S	144.17E	0.99m	18 Oct 13:44	UTC
Panjang	INDONESIA	5.67S	105.33E	1.05m	18 Oct 13:44	UTC
Battery Point	AUSTRALIA	43.00S	147.33E	0.77m	18 Oct 13:45	UTC
Twofold Bay	AUSTRALIA	37.00S	150.00E	1.18m	18 Oct 13:46	UTC
Waikelo	INDONESIA	9.40S	119.22E	0.79m	18 Oct 13:46	UTC
Mombasa	KENYA	4.10S	39.65E	1.09m	18 Oct 13:48	UTC
Stony Point	AUSTRALIA	38.50S	145.17E	0.79m	18 Oct 13:56	UTC
Seblat	INDONESIA	3.17S	101.50E	1.08m	18 Oct 14:02	UTC
Rote	INDONESIA	10.70S	123.06E	0.78m	18 Oct 14:03	UTC
Deep Ocean Buoy 23227	BAY OF BENGA	6.26N	88.79E	0.09m	18 Oct 14:06	UTC
Lord Howe Island	AUSTRALIA	31.52S	159.06E	1.09m	18 Oct 14:10	UTC
Ciwandan	INDONESIA	6.00S	105.83E	0.99m	18 Oct 14:14	UTC
Male	MALDIVES	4.20N	73.53E	0.64m	18 Oct 14:14	UTC
Deep Ocean Buoy 23401	BAY OF BENGA	8.86N	88.56E	0.10m	18 Oct 14:16	UTC
Antarctica Base Prat	CHILE	62.48S	59.66W	1.11m	18 Oct 14:19	UTC
Lamu	KENYA	2.30S	40.90E	0.83m	18 Oct 14:25	UTC
Meulaboh	INDONESIA	4.17N	96.00E	1.07m	18 Oct 14:28	UTC
Saint Helena	SAINT HELENA	15.90S	5.72W	0.67m	18 Oct 14:30	UTC
Tweed Heads	AUSTRALIA	28.17S	153.67E	0.79m	18 Oct 14:30	UTC
Walvis Bay	NAMIBIA	22.90S	14.50E	0.95m	18 Oct 14:30	UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	0.82m	18 Oct 14:31	UTC
Minicoy	INDIA	8.30N	73.05E	1.05m	18 Oct 14:31	UTC
Base OHiggins	ANTARCTICA	63.32S	57.90W	0.98m	18 Oct 14:32	UTC
Port Hedland(Offshore)	AUSTRALIA	20.00S	118.42E	1.06m	18 Oct 14:36	UTC
Kirinda	SRI LANKA	6.20N	81.32E	0.82m	18 Oct 14:39	UTC
Trincomalee	SRI LANKA	8.67N	81.33E	0.78m	18 Oct 14:40	UTC
Wavebreak Island	AUSTRALIA	27.93S	153.42E	0.97m	18 Oct 14:44	UTC
Dog Island	NEW ZEALAND	46.70S	168.41E	0.60m	18 Oct 14:46	UTC
Kupang	INDONESIA	10.20S	125.58E	0.74m	18 Oct 14:46	UTC
Green Island	NEW ZEALAND	46.00S	170.38E	0.70m	18 Oct 14:52	UTC
Colombo	SRI LANKA	7.00N	79.85E	0.67m	18 Oct 14:54	UTC
Southport	AUSTRALIA	27.97S	153.43E	0.67m	18 Oct 15:00	UTC
Chatham Island	NEW ZEALAND	44.00S	176.50W	0.56m	18 Oct 15:01	UTC
Port Stanvac	AUSTRALIA	35.00S	138.50E	0.91m	18 Oct 15:03	UTC
Charleston	NEW ZEALAND	41.83S	171.33E	0.90m	18 Oct 15:04	UTC

Waitangi	NEW ZEALAND	43.90S	176.56W	0.70m	18 Oct 15:05 UTC
Sibolga	INDONESIA	1.67N	98.67E	0.60m	18 Oct 15:07 UTC
Dunedin	NEW ZEALAND	45.80S	170.63E	0.81m	18 Oct 15:08 UTC
Sabang	INDONESIA	5.80N	95.33E	0.75m	18 Oct 15:09 UTC
Jumpinpin	AUSTRALIA	27.74S	153.43E	1.00m	18 Oct 15:12 UTC
Burnie.	AUSTRALIA	41.00S	145.83E	0.76m	18 Oct 15:14 UTC
Gold Coast	AUSTRALIA	27.90S	153.43E	0.84m	18 Oct 15:20 UTC
Vernadsky Faraday	ANTARCTICA	65.30S	64.27W	0.69m	18 Oct 15:22 UTC
Nancowry	INDIA	8.10N	93.55E	0.79m	18 Oct 15:22 UTC

Based on a tsunami travel time threat assessment, the zones listed below are POTENTIALLY UNDER THREAT.

### 3. TSUNAMI THREAT FOR THE INDIAN OCEAN

For this event all locations within 12.0000 hours are considered under Threat.

The list below shows the forecast arrival time of the first wave predicted for the zone.

The list is grouped by country (alphabetic order) and ordered according to the earliest estimated times of arrival at the beach.

Please be aware that actual wave arrival times may differ from those below, and the initial wave may not be the largest. A tsunami is a series of waves and the time between successive waves can be five minutes to one hour.

Dangerous conditions should be expected to continue for a minimum of 14 hours after the predicted arrival time. As local conditions can cause a wide variation in tsunami wave action, CANCELLATION of national warnings and ALL CLEAR determination must be made by national/state/local authorities.

#### AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	0400Z	18Oct2023
AURORA BANK	0426Z	18Oct2023
LEEUEWIN COAST	1015Z	18Oct2023
ALBANY COAST	1024Z	18Oct2023
GERALDTON COAST	1040Z	18Oct2023
BUNBURY GEOGRAPHE COAST	1042Z	18Oct2023
LANCELIN COAST	1046Z	18Oct2023
PERTH COAST	1047Z	18Oct2023
ESPERANCE COAST	1055Z	18Oct2023
GASCOYNE COAST	1120Z	18Oct2023
NINGALOO COAST	1128Z	18Oct2023
COCOS ISLAND	1140Z	18Oct2023
SOUTH CENTRAL COAST SA	1151Z	18Oct2023
SOUTH WEST COAST TAS	1152Z	18Oct2023
LOWER SOUTH EAST COAST SA	1154Z	18Oct2023
WEST COAST VIC	1158Z	18Oct2023
CENTRAL WEST COAST TAS	1159Z	18Oct2023
EUCLA COAST	1202Z	18Oct2023
LOWER WEST COAST SA	1210Z	18Oct2023
FAR NORTH WEST COAST TAS	1217Z	18Oct2023
CHRISTMAS ISLAND	1217Z	18Oct2023
CENTRAL COAST SA	1218Z	18Oct2023
PILBARA COAST WEST	1218Z	18Oct2023
UPPER SOUTH EAST COAST SA	1224Z	18Oct2023
CENTRAL COAST VIC	1234Z	18Oct2023
UPPER WEST COAST SA	1242Z	18Oct2023
FAR WEST COAST SA	1252Z	18Oct2023
PILBARA COAST EAST	1327Z	18Oct2023

ASHMORE REEF	1348Z	18Oct2023
CENTRAL NORTH COAST TAS	1436Z	18Oct2023
WEST KIMBERLY COAST	1456Z	18Oct2023
CENTRAL GIPPSLAND COAST	1500Z	18Oct2023
NORTH KIMBERLY COAST	1542Z	18Oct2023

COMOROS

DZAOUDZI	1218Z	18Oct2023
BAMBAAO	1220Z	18Oct2023
FOMBONI	1230Z	18Oct2023
CHEZANI	1231Z	18Oct2023

FRANCE

ILE KERGUELEN	0534Z	18Oct2023
NES CROZET	0646Z	18Oct2023
ILE DE LA POSSESSION	0652Z	18Oct2023
CROZET PLATEAU	0708Z	18Oct2023
ILE SAINT-PAUL-SOUTH	0720Z	18Oct2023
ILE SAINT-PAUL-NORTH	0729Z	18Oct2023
SAINT-JOSEPH	0948Z	18Oct2023
SAINT-DENIS	1000Z	18Oct2023

INDIA

INDIRA POINT	1431Z	18Oct2023
TUTICORIN	1434Z	18Oct2023
KOMATRA & KATCHAL ISLAND	1437Z	18Oct2023
MINICOY	1437Z	18Oct2023
RAMESWARAM	1444Z	18Oct2023
CAR NICOBAR	1445Z	18Oct2023
KOTTTAIPPATTANAM	1446Z	18Oct2023
QUILON	1450Z	18Oct2023
KOODANKULAM	1450Z	18Oct2023
KAVARATTI	1451Z	18Oct2023
KANYAKUMARI	1452Z	18Oct2023
ANDROTH	1453Z	18Oct2023
TRIVANDRUM	1454Z	18Oct2023
AGATTI	1500Z	18Oct2023
ALLEPPEY ALAPPUZHA	1502Z	18Oct2023
POOMBUHAR	1504Z	18Oct2023
PUDUCHERRY	1505Z	18Oct2023
AMINI	1508Z	18Oct2023
CUDDALORE	1509Z	18Oct2023
LITTLE ANDAMAN	1509Z	18Oct2023
MARAKKANAM	1510Z	18Oct2023
NORTH SENTINEL ISLAND	1511Z	18Oct2023
NAGAPATTINAM	1513Z	18Oct2023
KARAIKAL	1513Z	18Oct2023
MAHABALIPURAM	1515Z	18Oct2023
MALLIPATTINAM	1516Z	18Oct2023
MUTHUPET	1518Z	18Oct2023
ENNORE	1518Z	18Oct2023
VADANAPPALLY	1524Z	18Oct2023
PORT BLAIR	1527Z	18Oct2023
SRIHARIKOTA	1527Z	18Oct2023
CHENNAI	1529Z	18Oct2023
COCHIN	1530Z	18Oct2023
VAKKAD	1532Z	18Oct2023
BARREN ISLAND	1534Z	18Oct2023
MACHILIPATNAM	1536Z	18Oct2023
HAVELOCK	1538Z	18Oct2023
FLAT ISLAND	1540Z	18Oct2023

WEST & LANDFALL ISLAND	1541Z	18Oct2023
BEYPORE	1544Z	18Oct2023
NIJAMPATTANAM	1544Z	18Oct2023
PERUPALEM	1545Z	18Oct2023
KOTTAPATNAM	1546Z	18Oct2023
KASARAGOD	1548Z	18Oct2023
RANGATH BAY	1549Z	18Oct2023
KAKINADA	1550Z	18Oct2023
NARCONDAM ISLAND	1550Z	18Oct2023
MAHE	1552Z	18Oct2023
DIGLIPUR	1552Z	18Oct2023
KANNUR	1552Z	18Oct2023

INDONESIA

BANTEN PANDEGLANG S	1244Z	18Oct2023
BENGKULU BENGKULU-UTARA P.ENGGANO	1246Z	18Oct2023
JABAR SUKABUMI UJUNG-GENTENG	1247Z	18Oct2023
JABAR GARUT	1247Z	18Oct2023
JABAR CIANJUR SINDANGBARANG	1247Z	18Oct2023
BANTEN LEBAK	1249Z	18Oct2023
BANTEN PANDEGLANG P.PANAITAN	1249Z	18Oct2023
JABAR SUKABUMI PELABUHAN-RATU	1250Z	18Oct2023
JABAR TASIKMALAYA	1250Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	1255Z	18Oct2023
LAMPUNG TANGGAMUS B	1256Z	18Oct2023
JATIM TRENGGALEK	1258Z	18Oct2023
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	1258Z	18Oct2023
JABAR CIAMIS	1258Z	18Oct2023
JATENG KEBUMEN	1259Z	18Oct2023
JATIM PACITAN	1300Z	18Oct2023
LAMPUNG TANGGAMUS T	1300Z	18Oct2023
LAMPUNG TANGGAMUS P.TABUAN	1300Z	18Oct2023
JATIM MALANG	1300Z	18Oct2023
JATIM BANYUWANGI S	1300Z	18Oct2023
JATENG WONOGIRI	1301Z	18Oct2023
DIY GUNUNG-KIDUL	1301Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	1301Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	1302Z	18Oct2023
JATENG PURWOREJO	1303Z	18Oct2023
BALI BADUNG PANTAI-KUTA	1303Z	18Oct2023
JATENG CILACAP	1304Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	1304Z	18Oct2023
BENGKULU KAUR	1304Z	18Oct2023
DIY KULON-PROGO	1304Z	18Oct2023
NTB LOMBOK-BARAT S	1304Z	18Oct2023
BENGKULU BENGKULU-SELATAN	1304Z	18Oct2023
JATIM TULUNGAGUNG	1304Z	18Oct2023
JATIM BLITAR	1305Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	1305Z	18Oct2023
JATIM JEMBER P.NUSABARUNG	1305Z	18Oct2023
JATIM JEMBER	1305Z	18Oct2023
NTB LOMBOK-TENGAH	1305Z	18Oct2023
BALI KLUNGKUNG P.NUSAPENIDA	1306Z	18Oct2023
BALI DENPASAR PANTAI-SANUR	1306Z	18Oct2023
DIY BANTUL	1307Z	18Oct2023
NTB LOMBOK-TIMUR S	1307Z	18Oct2023
NTB SUMBAWA B	1308Z	18Oct2023
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	1308Z	18Oct2023
NTB SUMBAWA S	1309Z	18Oct2023
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	1310Z	18Oct2023
JATIM LUMAJANG	1312Z	18Oct2023
BALI TABANAN	1313Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KALIANDA	1313Z	18Oct2023
BANTEN PANDEGLANG U	1314Z	18Oct2023

MUARASIBERUT	1315Z	18Oct2023
BENGKULU SELUMA	1317Z	18Oct2023
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	1317Z	18Oct2023
NTT SUMBA B	1318Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN B	1319Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	1319Z	18Oct2023
BENGKULU BENGKULU-UTARA U	1320Z	18Oct2023
NTT SUMBA T	1321Z	18Oct2023
NTB DOMPU S	1321Z	18Oct2023
SUMUT NIAS-SELATAN P.TANABALA	1322Z	18Oct2023
BENGKULU BENGKULU-UTARA S	1323Z	18Oct2023
BENGKULU MUKOMUKO	1325Z	18Oct2023
NTB KOTA-BIMA S	1325Z	18Oct2023
SUMUT NIAS-SELATAN P.TANAHMASA	1326Z	18Oct2023
SAKUBO	1329Z	18Oct2023
SUMBAR PESISIR-SELATAN S	1330Z	18Oct2023
SUMUT NIAS B	1331Z	18Oct2023
SUMUT NIAS-SELATAN P.NIAS	1333Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	1334Z	18Oct2023
NTT KUPANG	1334Z	18Oct2023
MURASAIBI	1334Z	18Oct2023
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	1335Z	18Oct2023
SUMBAR PESISIR-SELATAN U	1336Z	18Oct2023
NTT MANGGARAI-BARAT P.	1337Z	18Oct2023
BANTEN KOTA-CILEGON P.SANGIANG	1337Z	18Oct2023
NAD SIMEULUE P.SIMEULUE	1340Z	18Oct2023
NTT MANGGARAI-BARAT S	1341Z	18Oct2023
MUARASIGEP	1341Z	18Oct2023
SUMBAR KOTA-PADANG S	1342Z	18Oct2023
BANTEN SERANG B	1344Z	18Oct2023
NTT ROTENDAO	1344Z	18Oct2023
NIAS-EAST	1347Z	18Oct2023
SUMBAR KOTA-PARIAMAN	1348Z	18Oct2023
NTB BIMA P.GILI	1348Z	18Oct2023
SUMBAR PADANG-PARIAMAN S	1348Z	18Oct2023
SUMBAR KOTA-PADANG U	1348Z	18Oct2023
SUMBAR KOTA-PADANG U	1349Z	18Oct2023
NAD ACEH-SINGKIL KEP.BANYAK	1349Z	18Oct2023
GUNUNGSITOLI	1350Z	18Oct2023
NTT MANGGARAI S	1351Z	18Oct2023
NTT ENDE S	1351Z	18Oct2023
NTT NGADA S	1351Z	18Oct2023
SUMBAR PADANG-PARIAMAN U	1352Z	18Oct2023
NTT SIKKA S	1354Z	18Oct2023
SOUTH OF BODAHAYIONE	1354Z	18Oct2023
SUMBAR AGAM	1356Z	18Oct2023
NIAS-NORTH	1357Z	18Oct2023
NTT FLORES-TIMUR S	1358Z	18Oct2023
NTT FLORES-TIMUR P.SOLOR	1359Z	18Oct2023
NIAS	1400Z	18Oct2023
NTT KOTA-KUPANG	1401Z	18Oct2023
NTT LEMBATA S	1403Z	18Oct2023
NTT TIMOR-TENGAH-SELATAN	1407Z	18Oct2023
NTT ALOR S	1409Z	18Oct2023
SUMUT MANDAILING-NATAL U	1410Z	18Oct2023
NAD ACEH-SELATAN U	1412Z	18Oct2023
BANTEN KOTA-CILEGON	1413Z	18Oct2023
NAD ACEH-SINGKIL	1415Z	18Oct2023
PANTE MACASSAR	1415Z	18Oct2023
NTT BELU S	1418Z	18Oct2023
NAD ACEH-BARAT-DAYA	1419Z	18Oct2023

NTT BELU U	1419Z	18Oct2023
NAD ACEH-JAYA	1420Z	18Oct2023
NAD NAGAN-RAYA	1422Z	18Oct2023
NAD ACEH-SELATAN S	1422Z	18Oct2023
NAD ACEH-BARAT	1423Z	18Oct2023
SUMUT TAPANULI-TENGAH U	1425Z	18Oct2023
SUMUT TAPANULI-TENGAH KEP.MURSALA	1425Z	18Oct2023
NAD ACEH-BESAR B	1426Z	18Oct2023
NAD ACEH-BESAR P.BREUEH	1428Z	18Oct2023
NAD ACEH-BESAR P.PENASI	1430Z	18Oct2023
NAD KOTA-SABANG P.WEH	1431Z	18Oct2023
NAD KOTA-BANDA-ACEH	1431Z	18Oct2023
SUMUT TAPANULI-SELATAN	1437Z	18Oct2023
SUMUT TAPANULI-TENGAH S	1437Z	18Oct2023
SUMUT MANDAILING-NATAL S	1440Z	18Oct2023
NAD ACEH-BESAR U	1444Z	18Oct2023
MALUKU MALUKU-TENGGARA-BARAT P.	1444Z	18Oct2023
NAD PIDIE	1446Z	18Oct2023
NAD BIREUEN	1502Z	18Oct2023
NAD ACEH-UTARA B	1510Z	18Oct2023
NAD KOTA-LHOKSEUMAWA	1510Z	18Oct2023
NAD ACEH-UTARA T	1523Z	18Oct2023
MALUKU MALUKU-TENGGARA-BARAT P.YAMDENA	1525Z	18Oct2023
MALUKU MALUKU-TENGGARA	1531Z	18Oct2023
NAD ACEH-TIMUR	1550Z	18Oct2023
KAIMANA	1554Z	18Oct2023

KENYA

KIWAYU	1329Z	18Oct2023
MVULENI	1334Z	18Oct2023
KISIMACHANDE	1337Z	18Oct2023
TAKAUNGU	1337Z	18Oct2023
MALINDI	1338Z	18Oct2023
KIPINI	1341Z	18Oct2023

MADAGASCAR

MANANTENINA	0954Z	18Oct2023
FARAFAGANA	0954Z	18Oct2023
AMBAHY	1010Z	18Oct2023
TOAMASINA AIRPORT	1017Z	18Oct2023
ANDROKA	1020Z	18Oct2023
SAMPONA	1024Z	18Oct2023
EUROPA ISLAND	1049Z	18Oct2023
VOHEMAR	1049Z	18Oct2023
TAMPOLO	1057Z	18Oct2023
MANJA	1123Z	18Oct2023
ANOROTSANGANA	1124Z	18Oct2023
TAMOTAMO	1145Z	18Oct2023
JUAN DE NOVA ISLAND	1149Z	18Oct2023
GLORIOSO ISLANDS	1153Z	18Oct2023
AMBANJA	1229Z	18Oct2023
BALY	1231Z	18Oct2023

MALDIVES

HITHADHOO	1303Z	18Oct2023
THINADHOO	1318Z	18Oct2023
DHIYAMIGILI	1328Z	18Oct2023
KOLHUFUSHI	1339Z	18Oct2023
NILANDHOO	1344Z	18Oct2023
MALE	1354Z	18Oct2023
FERIDHOO	1355Z	18Oct2023
KULHUDUFFUSHI	1404Z	18Oct2023
GOIDHOO	1410Z	18Oct2023

MAURITIUS

GRANDE REVIERE SUD EST-EAST	0955Z	18Oct2023
GRANDE REVIERE SUD EST-WEST	0958Z	18Oct2023
LA FERME	1006Z	18Oct2023
CARGADOS CARAJOS	1044Z	18Oct2023
AGALEGA ISLAND	1125Z	18Oct2023

MOZAMBIQUE

INHARRIME	1102Z	18Oct2023
POMENE	1113Z	18Oct2023
MAGUEMBA	1116Z	18Oct2023
MAPUTO	1122Z	18Oct2023
VILANKULO	1131Z	18Oct2023
XAI-XAI	1131Z	18Oct2023
MALUANA	1135Z	18Oct2023
ZAVALA	1137Z	18Oct2023
INHASSORO	1146Z	18Oct2023
MOEBASE	1155Z	18Oct2023
MOGINCUAL	1158Z	18Oct2023
OCONE	1202Z	18Oct2023
NAMORRE	1203Z	18Oct2023
AMADE	1209Z	18Oct2023
LUMBO	1212Z	18Oct2023
NANGATA	1220Z	18Oct2023
LURIO	1228Z	18Oct2023
NHANGAU	1229Z	18Oct2023
MECUFI	1230Z	18Oct2023
MURREBUE	1235Z	18Oct2023
PEMBA	1237Z	18Oct2023
MAIONGUE	1243Z	18Oct2023
VILA DO CHINDE	1245Z	18Oct2023
TAVARI	1246Z	18Oct2023
QUITERAJO	1248Z	18Oct2023
NOVA LUSITANIA	1251Z	18Oct2023
MINHAUINE	1254Z	18Oct2023
MERONVI	1303Z	18Oct2023
MAGANJA	1304Z	18Oct2023

MYANMAR

LITTLE COCO ISLAND	1555Z	18Oct2023
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OMAN

MIRBAT	1536Z	18Oct2023
SALALAH	1537Z	18Oct2023
HASIK	1537Z	18Oct2023
TAQAH	1538Z	18Oct2023

SEYCHELLES

FARQUHAR GROUP	1133Z	18Oct2023
ASTOVE ISLAND	1153Z	18Oct2023
ALPHONSE ISLAND	1157Z	18Oct2023
COETIVY ISLAND	1159Z	18Oct2023
ALDABRA	1207Z	18Oct2023
TAKAMAKA	1212Z	18Oct2023
ILE DESROCHES	1216Z	18Oct2023
FREGATE ISLAND	1251Z	18Oct2023

SOMALIA

KAAMBOONI	1328Z	18Oct2023
TURDHO	1331Z	18Oct2023
NE BEERNAASI	1331Z	18Oct2023



JILIB 1332Z 18Oct2023  
BARAAWE 1334Z 18Oct2023  
UARSCIECH 1335Z 18Oct2023  
ITALA 1336Z 18Oct2023  
BEYNAX BARRE 1337Z 18Oct2023  
MUQDISHO 1338Z 18Oct2023  
MAREEG 1343Z 18Oct2023  
CEEL DHEER 1349Z 18Oct2023  
XARARDHEERE 1353Z 18Oct2023  
GALDOGOB 1359Z 18Oct2023  
JARIIBAN 1410Z 18Oct2023  
BANDER-BEYLA 1415Z 18Oct2023  
EYL 1420Z 18Oct2023  
TOOXIN 1438Z 18Oct2023  
ABO 1501Z 18Oct2023  
QANDALA 1527Z 18Oct2023  
HADAAFTIMO 1543Z 18Oct2023  
BOSASO 1550Z 18Oct2023  
MAYDH 1559Z 18Oct2023

SOUTH AFRICA

FUNK SEAMOUNT 0753Z 18Oct2023  
ZIKHOVA 1028Z 18Oct2023  
KENTANI 1029Z 18Oct2023  
LUSIKISIKI 1031Z 18Oct2023  
PEDDIE 1031Z 18Oct2023  
WILLOWVALE 1032Z 18Oct2023  
ELLIOTDALE 1032Z 18Oct2023  
MARSHSTRAND 1032Z 18Oct2023  
KAYSER'S BEACH 1032Z 18Oct2023  
PORT ST JOHNS 1033Z 18Oct2023  
NGQUELENI 1034Z 18Oct2023  
MARGATE 1035Z 18Oct2023  
BIZANA 1035Z 18Oct2023  
BATHURST 1036Z 18Oct2023  
ALEXANDRIA 1036Z 18Oct2023  
KELSO 1037Z 18Oct2023  
MANDI 1044Z 18Oct2023  
PORT DURNFORD 1047Z 18Oct2023  
GWABALANDA HITAWI 1048Z 18Oct2023  
PORT ELIZABETH 1050Z 18Oct2023  
GAMTOOS 1050Z 18Oct2023  
LAKE SIBAYI 1053Z 18Oct2023  
ABORETUM 1054Z 18Oct2023  
KOSIMEER 1101Z 18Oct2023  
HUMANSDORP 1110Z 18Oct2023  
HANKEY 1117Z 18Oct2023  
GEORGE 1126Z 18Oct2023  
HEIDELBERG 1132Z 18Oct2023  
MOSSEL 1140Z 18Oct2023  
WITAAND 1202Z 18Oct2023  
BREDASDORP 1203Z 18Oct2023

SRI LANKA

MATARA 1354Z 18Oct2023  
GALLE 1355Z 18Oct2023  
TANGALLE 1401Z 18Oct2023  
AMBALANGODA 1401Z 18Oct2023  
HAMBANTOTA 1402Z 18Oct2023  
KIRINDA 1403Z 18Oct2023  
BERUWALA 1406Z 18Oct2023  
POTTUVIL 1406Z 18Oct2023  
AKKARAIATTU 1409Z 18Oct2023  
MORATUWA 1411Z 18Oct2023

BATTICALOA 1411Z 18Oct2023  
OKANDA 1411Z 18Oct2023  
COLOMBO 1414Z 18Oct2023  
NEGOMBO 1416Z 18Oct2023  
MUNDAL LAKE 1424Z 18Oct2023  
KATTANKUDI 1425Z 18Oct2023  
ANAITIVU 1425Z 18Oct2023  
MANNAR ISLAND 1428Z 18Oct2023  
PANKULAM 1428Z 18Oct2023  
MULLAITTIVU 1439Z 18Oct2023  
MUSALI 1448Z 18Oct2023  
CHUNDIKKULAM 1459Z 18Oct2023  
CHAVAKACHCHERI 1506Z 18Oct2023  
POINT PEDRO 1511Z 18Oct2023

TANZANIA  
MADANGWA 1308Z 18Oct2023  
RUVU 1310Z 18Oct2023  
JIMBO 1320Z 18Oct2023  
VUMBA 1322Z 18Oct2023  
SONGO SONGO ISLAND 1322Z 18Oct2023  
ZANZIBAR 1323Z 18Oct2023  
VUMBI 1327Z 18Oct2023  
GAZIJA 1328Z 18Oct2023  
KUTANI 1331Z 18Oct2023  
MSASANI 1339Z 18Oct2023  
BAGAMOYO 1340Z 18Oct2023  
BOMALANDNI 1346Z 18Oct2023  
WEST TO KONDE 1349Z 18Oct2023

THAILAND  
THAI MUEANG 1545Z 18Oct2023  
KO RACHA NOI 1550Z 18Oct2023

TIMOR-LESTE  
PANTE MACASSAR 1412Z 18Oct2023  
LIQUICA 1418Z 18Oct2023  
BOBONARO 1419Z 18Oct2023  
DILI 1425Z 18Oct2023  
COVALIMA 1426Z 18Oct2023  
AINARO 1426Z 18Oct2023  
MANUFAHI 1430Z 18Oct2023  
MANATUTO NORTH 1434Z 18Oct2023  
VIQUEQUE 1436Z 18Oct2023  
MANATUTO SOUTH 1436Z 18Oct2023  
BAUCAU 1437Z 18Oct2023  
LAUTEM 1441Z 18Oct2023

UNITED KINGDOM  
DIEGO GARCIA 1204Z 18Oct2023  
NW EGMONT ISLAND 1226Z 18Oct2023  
MORESBY ISLAND 1230Z 18Oct2023

YEMEN  
SOCOTRA ISLAND NORTH 1446Z 18Oct2023  
SOCOTRA ISLAND SOUTH 1447Z 18Oct2023  
SOCOTRA ISLAND WEST 1449Z 18Oct2023  
HARRAH 1534Z 18Oct2023  
HAMI 1535Z 18Oct2023  
EAST TO HAMI 1535Z 18Oct2023  
AL MUKALLA 1537Z 18Oct2023

AL GHAYDAH AIRPORT	1538Z	18Oct2023
DAMQAWT	1539Z	18Oct2023
BROM MAYFA	1539Z	18Oct2023
HUSWAYN	1541Z	18Oct2023
MASILAH WADI	1542Z	18Oct2023
ALQUMRAH	1546Z	18Oct2023
RUDUM	1548Z	18Oct2023
AHWAR	1559Z	18Oct2023

4. ADVICE

This bulletin is being issued as advice. Only national/state/local authorities and disaster management officers have the authority to make decisions regarding the official threat and warning status in their coastal areas and any action to be taken in response.

5. UPDATES

Additional bulletins will be issued by IOTWMS-TSP AUSTRALIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:

TSP INDIA: <http://www.incois.gov.in/Incois/tsunami/eqevents.jsp>

TSP INDONESIA: <http://rtsp.bmkg.go.id>

6. CONTACT INFORMATION

IOTWMS-TSP AUSTRALIA

Joint Australian Tsunami Warning Centre (JATWC)

Bureau of Meteorology

GPO BOX 1289 Melbourne, Victoria, Australia, 3001

<http://reg.bom.gov.au/tsunami/rtsp>

END OF BULLETIN

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#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####

# BULLETIN 12

IDY68501

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#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####
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TSUNAMI BULLETIN NUMBER 12 (TYPE-III CONFIRMED THREAT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 1630 UTC Wednesday 18 October 2023  
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... CONFIRMED TSUNAMI THREAT IN THE INDIAN OCEAN...

This bulletin applies to areas within and bordering the Indian Ocean. It is issued in support of the UNESCO/IOC Indian Ocean Tsunami Warning and Mitigation System (IOTWMS).

## 1. TSUNAMI SOURCE INFORMATION

IOTWMS-TSP AUSTRALIA has detected a volcanic eruption at Heard Island with the following details:

Date: 18 Oct 2023  
Origin Time: 0400 UTC  
Latitude: 53.10S  
Longitude: 73.52E  
Location: KERGUELEN ISLANDS REGION

## 2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.  
Maximum wave amplitudes observed so far:

Kerguelen Is	FRANCE	49.50S	70.17E	3.58m	18 Oct 06:42 UTC
Marion Island	SOUTH AFRICA	46.90S	37.87E	2.52m	18 Oct 08:10 UTC
Syowa	ANTARCTICA	69.00S	39.57E	2.53m	18 Oct 08:38 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	2.04m	18 Oct 09:55 UTC
Rodrigues	MAURITIUS	19.70S	63.42E	1.92m	18 Oct 10:06 UTC
Blue Bay	MAURITIUS	20.50S	57.67E	1.60m	18 Oct 10:09 UTC
Pointe des Galets	REUNION ISLA	20.90S	55.28E	1.92m	18 Oct 10:15 UTC
Sainte Marie	REUNION	20.90S	55.54E	1.61m	18 Oct 10:29 UTC
Port Elizabeth	SOUTH AFRICA	34.00S	25.83E	1.54m	18 Oct 10:34 UTC
Toamasina	MADAGASCAR	18.20S	49.43E	1.50m	18 Oct 10:59 UTC
Inhambane	MOCAMBIQUE	24.00S	35.50E	1.61m	18 Oct 11:04 UTC
Hillarys Harbor	AUSTRALIA	31.80S	115.74E	1.41m	18 Oct 11:36 UTC
Deep Ocean Buoy 56001	INDIAN OCEAN	14.02S	109.94E	0.12m	18 Oct 11:52 UTC
Cocos Island.	AUSTRALIA	12.10S	96.89E	1.32m	18 Oct 11:54 UTC
Point Murat	AUSTRALIA	21.80S	114.19E	1.52m	18 Oct 11:54 UTC
Agalega	MAURITIUS	10.30S	56.59E	1.17m	18 Oct 11:58 UTC
Geraldton.	AUSTRALIA	28.80S	114.57E	1.35m	18 Oct 12:03 UTC
Cape Cuvier Wharf	AUSTRALIA	24.20S	113.40E	1.12m	18 Oct 12:13 UTC
Diego Garcia	UK	7.20S	72.43E	1.03m	18 Oct 12:23 UTC
Comores	COMORES	11.70S	43.25E	1.22m	18 Oct 12:31 UTC
Dzaoudzi	FRANCE	12.80S	45.26E	1.18m	18 Oct 12:34 UTC
Deep Ocean Buoy 55015	TASMAN SEA 1	46.83S	160.26E	0.12m	18 Oct 12:35 UTC
Spring Bay	AUSTRALIA	42.50S	147.93E	0.95m	18 Oct 12:39 UTC
Maria Island	AUSTRALIA	42.60S	148.06E	1.25m	18 Oct 12:41 UTC
Christmas Is	AUSTRALIA	10.40S	105.67E	1.24m	18 Oct 12:41 UTC

## IOC Technical Series, 181 (I) Supplement 3

page 95

Deep Ocean Buoy 55042	TASMAN SEA 2	44.90S	161.84E	0.14m	18 Oct 12:42	UTC
Portland.	AUSTRALIA	38.30S	141.61E	1.18m	18 Oct 12:48	UTC
Darlington	AUSTRALIA	42.60S	148.06E	1.19m	18 Oct 12:50	UTC
Southport Jetty	AUSTRALIA	43.50S	147.00E	1.01m	18 Oct 12:54	UTC
Denis Island	SEYCHELLES	3.80S	55.67E	1.03m	18 Oct 12:56	UTC
Pemba	MOCAMBIQUE	13.00S	40.48E	1.20m	18 Oct 12:56	UTC
King Edward Point	UK	54.17S	36.50W	1.20m	18 Oct 12:58	UTC
Esperance.	AUSTRALIA	33.83S	122.00E	1.30m	18 Oct 13:00	UTC
Puysegur Welcome Bay	NEW ZEALAND	46.17S	166.50E	1.21m	18 Oct 13:04	UTC
Pt LaRue	SEYCHELLES	4.50S	55.50E	0.97m	18 Oct 13:06	UTC
Cilacap	INDONESIA	7.80S	109.00E	1.02m	18 Oct 13:09	UTC
Prigi	INDONESIA	8.33S	111.83E	1.05m	18 Oct 13:10	UTC
Tristan da Cunha	UK	37.10S	12.30W	1.17m	18 Oct 13:10	UTC
Bengkunat	INDONESIA	5.52S	104.21E	1.16m	18 Oct 13:11	UTC
Deep Ocean Buoy 56003	INDIAN OCEAN	15.02S	117.94E	0.11m	18 Oct 13:12	UTC
Pangandaran	INDONESIA	7.83S	108.50E	1.23m	18 Oct 13:15	UTC
Binuangeun	INDONESIA	6.83S	106.00E	0.99m	18 Oct 13:17	UTC
Kota Agung	INDONESIA	5.67S	104.67E	0.90m	18 Oct 13:19	UTC
Lembar	INDONESIA	8.70S	116.07E	1.07m	18 Oct 13:20	UTC
Tanjung Lesung	INDONESIA	6.50S	105.50E	1.21m	18 Oct 13:22	UTC
Telukdalam	INDONESIA	0.50N	97.83E	0.83m	18 Oct 13:25	UTC
Benoa	INDONESIA	8.83S	115.33E	0.77m	18 Oct 13:26	UTC
Sadeng	INDONESIA	8.33S	110.83E	0.88m	18 Oct 13:26	UTC
Enggano	INDONESIA	5.30S	102.28E	1.00m	18 Oct 13:27	UTC
Gan	MALDIVES	0.70S	73.15E	0.96m	18 Oct 13:34	UTC
Marina Jambu	INDONESIA	6.19S	105.83E	0.84m	18 Oct 13:36	UTC
Ulladulla	AUSTRALIA	35.36S	150.48E	0.88m	18 Oct 13:38	UTC
Port Kembla	AUSTRALIA	34.50S	151.00E	1.17m	18 Oct 13:39	UTC
Mtwara	TANZANIA	10.33S	40.33E	0.82m	18 Oct 13:43	UTC
Panjang	INDONESIA	5.67S	105.33E	1.05m	18 Oct 13:44	UTC
Lorne.	AUSTRALIA	38.50S	144.17E	0.99m	18 Oct 13:44	UTC
Battery Point	AUSTRALIA	43.00S	147.33E	0.77m	18 Oct 13:45	UTC
Waikelo	INDONESIA	9.40S	119.22E	0.79m	18 Oct 13:46	UTC
Twofold Bay	AUSTRALIA	37.00S	150.00E	1.18m	18 Oct 13:46	UTC
Mombasa	KENYA	4.10S	39.65E	1.09m	18 Oct 13:48	UTC
Stony Point	AUSTRALIA	38.50S	145.17E	0.79m	18 Oct 13:56	UTC
Seblat	INDONESIA	3.17S	101.50E	1.08m	18 Oct 14:02	UTC
Rote	INDONESIA	10.70S	123.06E	0.78m	18 Oct 14:03	UTC
Deep Ocean Buoy 23227	BAY OF BENGA	6.26N	88.79E	0.09m	18 Oct 14:06	UTC
Lord Howe Island	AUSTRALIA	31.52S	159.06E	1.09m	18 Oct 14:10	UTC
Male	MALDIVES	4.20N	73.53E	0.64m	18 Oct 14:14	UTC
Ciwandan	INDONESIA	6.00S	105.83E	0.99m	18 Oct 14:14	UTC
Deep Ocean Buoy 23401	BAY OF BENGA	8.86N	88.56E	0.10m	18 Oct 14:16	UTC
Antarctica Base Prat	CHILE	62.48S	59.66W	1.11m	18 Oct 14:19	UTC
Lamu	KENYA	2.30S	40.90E	0.83m	18 Oct 14:25	UTC
Meulaboh	INDONESIA	4.17N	96.00E	1.07m	18 Oct 14:28	UTC
Tweed Heads	AUSTRALIA	28.17S	153.67E	0.79m	18 Oct 14:30	UTC
Saint Helena	SAINT HELENA	15.90S	5.72W	0.67m	18 Oct 14:30	UTC
Walvis Bay	NAMIBIA	22.90S	14.50E	0.95m	18 Oct 14:30	UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	0.82m	18 Oct 14:31	UTC
Minicoy	INDIA	8.30N	73.05E	1.05m	18 Oct 14:31	UTC
Base OHiggins	ANTARCTICA	63.32S	57.90W	0.98m	18 Oct 14:32	UTC
Port Hedland(Offshore)	AUSTRALIA	20.00S	118.42E	1.06m	18 Oct 14:36	UTC
Kirinda	SRI LANKA	6.20N	81.32E	0.82m	18 Oct 14:39	UTC
Trincomalee	SRI LANKA	8.67N	81.33E	0.78m	18 Oct 14:40	UTC
Wavebreak Island	AUSTRALIA	27.93S	153.42E	0.97m	18 Oct 14:44	UTC
Dog Island	NEW ZEALAND	46.70S	168.41E	0.60m	18 Oct 14:46	UTC
Kupang	INDONESIA	10.20S	125.58E	0.74m	18 Oct 14:46	UTC
Green Island	NEW ZEALAND	46.00S	170.38E	0.70m	18 Oct 14:52	UTC
Colombo	SRI LANKA	7.00N	79.85E	0.67m	18 Oct 14:54	UTC
Southport	AUSTRALIA	27.97S	153.43E	0.67m	18 Oct 15:00	UTC
Chatham Island	NEW ZEALAND	44.00S	176.50W	0.56m	18 Oct 15:01	UTC
Port Stanvac	AUSTRALIA	35.00S	138.50E	0.91m	18 Oct 15:03	UTC
Charleston	NEW ZEALAND	41.83S	171.33E	0.90m	18 Oct 15:04	UTC

Waitangi	NEW ZEALAND	43.90S	176.56W	0.70m	18 Oct 15:05 UTC
Sibolga	INDONESIA	1.67N	98.67E	0.60m	18 Oct 15:07 UTC
Dunedin	NEW ZEALAND	45.80S	170.63E	0.81m	18 Oct 15:08 UTC
Sabang	INDONESIA	5.80N	95.33E	0.75m	18 Oct 15:09 UTC
Jumpinpin	AUSTRALIA	27.74S	153.43E	1.00m	18 Oct 15:12 UTC
Burnie.	AUSTRALIA	41.00S	145.83E	0.76m	18 Oct 15:14 UTC
Gold Coast	AUSTRALIA	27.90S	153.43E	0.84m	18 Oct 15:20 UTC
Vernadsky Faraday	ANTARCTICA	65.30S	64.27W	0.69m	18 Oct 15:22 UTC
Nancowry	INDIA	8.10N	93.55E	0.79m	18 Oct 15:22 UTC
Chennai	INDIA	13.10N	80.30E	0.67m	18 Oct 15:28 UTC
Scott Base	ANTARCTICA	77.83S	166.50E	0.56m	18 Oct 15:30 UTC
Stanley	FALKLAND ISL	51.80S	57.93W	0.65m	18 Oct 15:33 UTC
Scarborough	AUSTRALIA	27.19S	153.11E	0.53m	18 Oct 15:35 UTC
Ambon	INDONESIA	3.70S	128.18E	0.76m	18 Oct 15:38 UTC
Broome.	AUSTRALIA	18.00S	122.22E	0.66m	18 Oct 15:41 UTC
Norfolk Island.	AUSTRALIA	29.10S	167.95E	0.88m	18 Oct 15:44 UTC
Noosa Sand Jetty	AUSTRALIA	26.33S	153.17E	0.72m	18 Oct 15:44 UTC
Anawhata	NEW ZEALAND	36.83S	174.33E	0.60m	18 Oct 15:44 UTC
Dargaville	NEW ZEALAND	36.00S	173.67E	0.79m	18 Oct 15:45 UTC
Timaru Port	NEW ZEALAND	44.40S	171.25E	0.62m	18 Oct 15:47 UTC
Cochin	INDIA	10.00N	76.17E	0.63m	18 Oct 15:48 UTC
Kaingarooa Chatham Is	PACIFIC OCEA	43.70S	176.27W	0.85m	18 Oct 15:49 UTC
Poutu Point	NEW ZEALAND	36.50S	174.17E	0.56m	18 Oct 15:49 UTC
North Cape	NEW ZEALAND	34.41S	173.05E	0.55m	18 Oct 15:50 UTC
Zanzibar	TANZANIA	6.20S	39.18E	0.80m	18 Oct 15:50 UTC
Mooloolaba	AUSTRALIA	26.68S	153.13E	0.76m	18 Oct 15:51 UTC
Saumlaki	INDONESIA	8.00S	131.29E	0.84m	18 Oct 15:57 UTC
Port Blair	INDIA	11.70N	92.76E	0.85m	18 Oct 16:02 UTC
Salalah	OMAN	16.90N	54.01E	0.43m	18 Oct 16:04 UTC
Riversdale	NEW ZEALAND	41.17S	176.17E	0.55m	18 Oct 16:05 UTC
Kaikoura	NEW ZEALAND	42.50S	173.67E	0.69m	18 Oct 16:06 UTC

Based on a tsunami travel time threat assessment, the zones listed below are POTENTIALLY UNDER THREAT.

### 3. TSUNAMI THREAT FOR THE INDIAN OCEAN

For this event all locations within 12.0000 hours are considered under Threat.

The list below shows the forecast arrival time of the first wave predicted for the zone.

The list is grouped by country (alphabetic order) and ordered according to the earliest estimated times of arrival at the beach.

Please be aware that actual wave arrival times may differ from those below, and the initial wave may not be the largest. A tsunami is a series of waves and the time between successive waves can be five minutes to one hour.

Dangerous conditions should be expected to continue for a minimum of 14 hours after the predicted arrival time. As local conditions can cause a wide variation in tsunami wave action, CANCELLATION of national warnings and ALL CLEAR determination must be made by national/state/local authorities.

AUSTRALIA  
HEARD ISLAND AND MCDONALD ISLANDS 0400Z 18Oct2023  
AURORA BANK 0426Z 18Oct2023  
LEEUEWIN COAST 1015Z 18Oct2023

ALBANY COAST	1024Z	18Oct2023
GERALDTON COAST	1040Z	18Oct2023
BUNBURY GEOGRAPHE COAST	1042Z	18Oct2023
LANCELIN COAST	1046Z	18Oct2023
PERTH COAST	1047Z	18Oct2023
ESPERANCE COAST	1055Z	18Oct2023
GASCOYNE COAST	1120Z	18Oct2023
NINGALOO COAST	1128Z	18Oct2023
COCOS ISLAND	1140Z	18Oct2023
SOUTH CENTRAL COAST SA	1151Z	18Oct2023
SOUTH WEST COAST TAS	1152Z	18Oct2023
LOWER SOUTH EAST COAST SA	1154Z	18Oct2023
WEST COAST VIC	1158Z	18Oct2023
CENTRAL WEST COAST TAS	1159Z	18Oct2023
EUCLA COAST	1202Z	18Oct2023
LOWER WEST COAST SA	1210Z	18Oct2023
FAR NORTH WEST COAST TAS	1217Z	18Oct2023
CHRISTMAS ISLAND	1217Z	18Oct2023
CENTRAL COAST SA	1218Z	18Oct2023
PILBARA COAST WEST	1218Z	18Oct2023
UPPER SOUTH EAST COAST SA	1224Z	18Oct2023
CENTRAL COAST VIC	1234Z	18Oct2023
UPPER WEST COAST SA	1242Z	18Oct2023
FAR WEST COAST SA	1252Z	18Oct2023
PILBARA COAST EAST	1327Z	18Oct2023
ASHMORE REEF	1348Z	18Oct2023
CENTRAL NORTH COAST TAS	1436Z	18Oct2023
WEST KIMBERLY COAST	1456Z	18Oct2023
CENTRAL GIPPSLAND COAST	1500Z	18Oct2023
NORTH KIMBERLY COAST	1542Z	18Oct2023

## COMOROS

DZAOUDZI	1218Z	18Oct2023
BAMBAO	1220Z	18Oct2023
FOMBONI	1230Z	18Oct2023
CHEZANI	1231Z	18Oct2023

## FRANCE

ILE KERGUELEN	0534Z	18Oct2023
NES CROZET	0646Z	18Oct2023
ILE DE LA POSSESSION	0652Z	18Oct2023
CROZET PLATEAU	0708Z	18Oct2023
ILE SAINT-PAUL-SOUTH	0720Z	18Oct2023
ILE SAINT-PAUL-NORTH	0729Z	18Oct2023
SAINT-JOSEPH	0948Z	18Oct2023
SAINT-DENIS	1000Z	18Oct2023

## INDIA

INDIRA POINT	1431Z	18Oct2023
TUTICORIN	1434Z	18Oct2023
KOMATRA & KATCHAL ISLAND	1437Z	18Oct2023
MINICOY	1437Z	18Oct2023
RAMESWARAM	1444Z	18Oct2023
CAR NICOBAR	1445Z	18Oct2023
KOTTTAIPPATTANAM	1446Z	18Oct2023
QUILON	1450Z	18Oct2023
KOODANKULAM	1450Z	18Oct2023
KAVARATTI	1451Z	18Oct2023
KANYAKUMARI	1452Z	18Oct2023
ANDROTH	1453Z	18Oct2023
TRIVANDRUM	1454Z	18Oct2023
AGATTI	1500Z	18Oct2023
ALLEPPEY ALAPPUZHA	1502Z	18Oct2023
POOMBUHAR	1504Z	18Oct2023

PUDUCHERRY	1505Z	18Oct2023
AMINI	1508Z	18Oct2023
CUDDALORE	1509Z	18Oct2023
LITTLE ANDAMAN	1509Z	18Oct2023
MARAKKANAM	1510Z	18Oct2023
NORTH SENTINEL ISLAND	1511Z	18Oct2023
NAGAPATTINAM	1513Z	18Oct2023
KARAIKAL	1513Z	18Oct2023
MAHABALIPURAM	1515Z	18Oct2023
MALLIPATTINAM	1516Z	18Oct2023
MUTHUPET	1518Z	18Oct2023
ENNORE	1518Z	18Oct2023
VADANAPPALLY	1524Z	18Oct2023
PORT BLAIR	1527Z	18Oct2023
SRIHARIKOTA	1527Z	18Oct2023
CHENNAI	1529Z	18Oct2023
COCHIN	1530Z	18Oct2023
VAKKAD	1532Z	18Oct2023
BARREN ISLAND	1534Z	18Oct2023
MACHILIPATNAM	1536Z	18Oct2023
HAVELOCK	1538Z	18Oct2023
FLAT ISLAND	1540Z	18Oct2023
WEST & LANDFALL ISLAND	1541Z	18Oct2023
BEYPORE	1544Z	18Oct2023
NIJAMPATTANAM	1544Z	18Oct2023
PERUPALEM	1545Z	18Oct2023
KOTTAPATNAM	1546Z	18Oct2023
KASARAGOD	1548Z	18Oct2023
RANGATH BAY	1549Z	18Oct2023
KAKINADA	1550Z	18Oct2023
NARCONDAM ISLAND	1550Z	18Oct2023
MAHE	1552Z	18Oct2023
DIGLIPUR	1552Z	18Oct2023
KANNUR	1552Z	18Oct2023

INDONESIA

BANTEN PANDEGLANG S	1244Z	18Oct2023
BENGKULU BENGKULU-UTARA P.ENGGANO	1246Z	18Oct2023
JABAR SUKABUMI UJUNG-GENTENG	1247Z	18Oct2023
JABAR GARUT	1247Z	18Oct2023
JABAR CIANJUR SINDANGBARANG	1247Z	18Oct2023
BANTEN LEBAK	1249Z	18Oct2023
BANTEN PANDEGLANG P.PANAITAN	1249Z	18Oct2023
JABAR SUKABUMI PELABUHAN-RATU	1250Z	18Oct2023
JABAR TASIKMALAYA	1250Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	1255Z	18Oct2023
LAMPUNG TANGGAMUS B	1256Z	18Oct2023
JATIM TRENGGALEK	1258Z	18Oct2023
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	1258Z	18Oct2023
JABAR CIAMIS	1258Z	18Oct2023
JATENG KEBUMEN	1259Z	18Oct2023
JATIM PACITAN	1300Z	18Oct2023
LAMPUNG TANGGAMUS T	1300Z	18Oct2023
LAMPUNG TANGGAMUS P.TABUAN	1300Z	18Oct2023
JATIM MALANG	1300Z	18Oct2023
JATIM BANYUWANGI S	1300Z	18Oct2023
JATENG WONOGIRI	1301Z	18Oct2023
DIY GUNUNG-KIDUL	1301Z	18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	1301Z	18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	1302Z	18Oct2023
JATENG PURWOREJO	1303Z	18Oct2023



BALI BADUNG PANTAI-KUTA	1303Z 18Oct2023
JATENG CILACAP	1304Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	1304Z 18Oct2023
BENGKULU KAUR	1304Z 18Oct2023
DIY KULON-PROGO	1304Z 18Oct2023
NTB LOMBOK-BARAT S	1304Z 18Oct2023
BENGKULU BENGKULU-SELATAN	1304Z 18Oct2023
JATIM TULUNGAGUNG	1304Z 18Oct2023
JATIM BLITAR	1305Z 18Oct2023
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	1305Z 18Oct2023
JATIM JEMBER P.NUSABARUNG	1305Z 18Oct2023
JATIM JEMBER	1305Z 18Oct2023
NTB LOMBOK-TENGAH	1305Z 18Oct2023
BALI KLUNGKUNG P.NUSAPENIDA	1306Z 18Oct2023
BALI DENPASAR PANTAI-SANUR	1306Z 18Oct2023
DIY BANTUL	1307Z 18Oct2023
NTB LOMBOK-TIMUR S	1307Z 18Oct2023
NTB SUMBAWA B	1308Z 18Oct2023
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	1308Z 18Oct2023
NTB SUMBAWA S	1309Z 18Oct2023
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	1310Z 18Oct2023
JATIM LUMAJANG	1312Z 18Oct2023
BALI TABANAN	1313Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN KALIANDA	1313Z 18Oct2023
BANTEN PANDEGLANG U	1314Z 18Oct2023
MUARASIBERUT	1315Z 18Oct2023
BENGKULU SELUMA	1317Z 18Oct2023
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	1317Z 18Oct2023
NTT SUMBA B	1318Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN B	1319Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	1319Z 18Oct2023
BENGKULU BENGKULU-UTARA U	1320Z 18Oct2023
NTT SUMBA T	1321Z 18Oct2023
NTB DOMPU S	1321Z 18Oct2023
SUMUT NIAS-SELATAN P.TANABALA	1322Z 18Oct2023
BENGKULU BENGKULU-UTARA S	1323Z 18Oct2023
BENGKULU MUKOMUKO	1325Z 18Oct2023
NTB KOTA-BIMA S	1325Z 18Oct2023
SUMUT NIAS-SELATAN P.TANAHMASA	1326Z 18Oct2023
SAKUBO	1329Z 18Oct2023
SUMBAR PESISIR-SELATAN S	1330Z 18Oct2023
SUMUT NIAS B	1331Z 18Oct2023
SUMUT NIAS-SELATAN P.NIAS	1333Z 18Oct2023
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	1334Z 18Oct2023
NTT KUPANG	1334Z 18Oct2023
MURASAIBI	1334Z 18Oct2023
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	1335Z 18Oct2023
SUMBAR PESISIR-SELATAN U	1336Z 18Oct2023
NTT MANGGARAI-BARAT P.	1337Z 18Oct2023
BANTEN KOTA-CILEGON P.SANGIANG	1337Z 18Oct2023
NAD SIMEULUE P.SIMEULUE	1340Z 18Oct2023
NTT MANGGARAI-BARAT S	1341Z 18Oct2023
MUARASIGEP	1341Z 18Oct2023
SUMBAR KOTA-PADANG S	1342Z 18Oct2023
BANTEN SERANG B	1344Z 18Oct2023
NTT ROTENDAO	1344Z 18Oct2023
NIAS-EAST	1347Z 18Oct2023
SUMBAR KOTA-PARIAMAN	1348Z 18Oct2023
NTB BIMA P.GILI	1348Z 18Oct2023
SUMBAR PADANG-PARIAMAN S	1348Z 18Oct2023
SUMBAR KOTA-PADANG U	1348Z 18Oct2023
SUMBAR KOTA-PADANG U	1349Z 18Oct2023
NAD ACEH-SINGKIL KEP.BANYAK	1349Z 18Oct2023
GUNUNGSITOLI	1350Z 18Oct2023

NTT MANGGARAI S	1351Z	18Oct2023
NTT ENDE S	1351Z	18Oct2023
NTT NGADA S	1351Z	18Oct2023
SUMBAR PADANG-PARIAMAN U	1352Z	18Oct2023
NTT SIKKA S	1354Z	18Oct2023
SOUTH OF BODAHAYIONE	1354Z	18Oct2023
SUMBAR AGAM	1356Z	18Oct2023
NIAS-NORTH	1357Z	18Oct2023
NTT FLORES-TIMUR S	1358Z	18Oct2023
NTT FLORES-TIMUR P.SOLOR	1359Z	18Oct2023
NIAS	1400Z	18Oct2023
NTT KOTA-KUPANG	1401Z	18Oct2023
NTT LEMBATA S	1403Z	18Oct2023
NTT TIMOR-TENGAH-SELATAN	1407Z	18Oct2023
NTT ALOR S	1409Z	18Oct2023
SUMUT MANDAILING-NATAL U	1410Z	18Oct2023
NAD ACEH-SELATAN U	1412Z	18Oct2023
BANTEN KOTA-CILEGON	1413Z	18Oct2023
NAD ACEH-SINGKIL	1415Z	18Oct2023
PANTE MACASSAR	1415Z	18Oct2023
NTT BELU S	1418Z	18Oct2023
NAD ACEH-BARAT-DAYA	1419Z	18Oct2023
NTT BELU U	1419Z	18Oct2023
NAD ACEH-JAYA	1420Z	18Oct2023
NAD NAGAN-RAYA	1422Z	18Oct2023
NAD ACEH-SELATAN S	1422Z	18Oct2023
NAD ACEH-BARAT	1423Z	18Oct2023
SUMUT TAPANULI-TENGAH U	1425Z	18Oct2023
SUMUT TAPANULI-TENGAH KEP.MURSALA	1425Z	18Oct2023
NAD ACEH-BESAR B	1426Z	18Oct2023
NAD ACEH-BESAR P.BREUEH	1428Z	18Oct2023
NAD ACEH-BESAR P.PENASI	1430Z	18Oct2023
NAD KOTA-SABANG P.WEH	1431Z	18Oct2023
NAD KOTA-BANDA-ACEH	1431Z	18Oct2023
SUMUT TAPANULI-SELATAN	1437Z	18Oct2023
SUMUT TAPANULI-TENGAH S	1437Z	18Oct2023
SUMUT MANDAILING-NATAL S	1440Z	18Oct2023
NAD ACEH-BESAR U	1444Z	18Oct2023
MALUKU MALUKU-TENGGARA-BARAT P.	1444Z	18Oct2023
NAD PIDIE	1446Z	18Oct2023
NAD BIREUEN	1502Z	18Oct2023
NAD ACEH-UTARA B	1510Z	18Oct2023
NAD KOTA-LHOKSEUMAWA	1510Z	18Oct2023
NAD ACEH-UTARA T	1523Z	18Oct2023
MALUKU MALUKU-TENGGARA-BARAT P.YAMDENA	1525Z	18Oct2023
MALUKU MALUKU-TENGGARA	1531Z	18Oct2023
NAD ACEH-TIMUR	1550Z	18Oct2023
KAIMANA	1554Z	18Oct2023

KENYA

KIWAYU	1329Z	18Oct2023
MVULENI	1334Z	18Oct2023
KISIMACHANDE	1337Z	18Oct2023
TAKAUNGU	1337Z	18Oct2023
MALINDI	1338Z	18Oct2023
KIPINI	1341Z	18Oct2023

MADAGASCAR

MANANTENINA	0954Z	18Oct2023
FARAFAGANA	0954Z	18Oct2023
AMBAHY	1010Z	18Oct2023

TOAMASINA AIRPORT 1017Z 18Oct2023  
ANDROKA 1020Z 18Oct2023  
SAMPONA 1024Z 18Oct2023  
EUROPA ISLAND 1049Z 18Oct2023  
VOHEMAR 1049Z 18Oct2023  
TAMPOLO 1057Z 18Oct2023  
MANJA 1123Z 18Oct2023  
ANOROTSANGANA 1124Z 18Oct2023  
TAMOTAMO 1145Z 18Oct2023  
JUAN DE NOVA ISLAND 1149Z 18Oct2023  
GLORIOSO ISLANDS 1153Z 18Oct2023  
AMBANJA 1229Z 18Oct2023  
BALY 1231Z 18Oct2023

MALDIVES

HITHADHOO 1303Z 18Oct2023  
THINADHOO 1318Z 18Oct2023  
DHIYAMIGILI 1328Z 18Oct2023  
KOLHUFUSHI 1339Z 18Oct2023  
NILANDHOO 1344Z 18Oct2023  
MALE 1354Z 18Oct2023  
FERIDHOO 1355Z 18Oct2023  
KULHUDUFFUSHI 1404Z 18Oct2023  
GOIDHOO 1410Z 18Oct2023

MAURITIUS

GRANDE REVIERE SUD EST-EAST 0955Z 18Oct2023  
GRANDE REVIERE SUD EST-WEST 0958Z 18Oct2023  
LA FERME 1006Z 18Oct2023  
CARGADOS CARAJOS 1044Z 18Oct2023  
AGALEGA ISLAND 1125Z 18Oct2023

MOZAMBIQUE

INHARRIME 1102Z 18Oct2023  
POMENE 1113Z 18Oct2023  
MAGUEMBA 1116Z 18Oct2023  
MAPUTO 1122Z 18Oct2023  
VILANKULO 1131Z 18Oct2023  
XAI-XAI 1131Z 18Oct2023  
MALUANA 1135Z 18Oct2023  
ZAVALA 1137Z 18Oct2023  
INHASSORO 1146Z 18Oct2023  
MOEBASE 1155Z 18Oct2023  
MOGINCUAL 1158Z 18Oct2023  
OCONE 1202Z 18Oct2023  
NAMORRE 1203Z 18Oct2023  
AMADE 1209Z 18Oct2023  
LUMBO 1212Z 18Oct2023  
NANGATA 1220Z 18Oct2023  
LURIO 1228Z 18Oct2023  
NHANGAU 1229Z 18Oct2023  
MECUFI 1230Z 18Oct2023  
MURREBUE 1235Z 18Oct2023  
PEMBA 1237Z 18Oct2023  
MAIONGUE 1243Z 18Oct2023  
VILA DO CHINDE 1245Z 18Oct2023  
TAVARI 1246Z 18Oct2023  
QUITERAJO 1248Z 18Oct2023  
NOVA LUSITANIA 1251Z 18Oct2023  
MINHAUINE 1254Z 18Oct2023  
MERONVI 1303Z 18Oct2023  
MAGANJA 1304Z 18Oct2023

MYANMAR

LITTLE COCO ISLAND 1555Z 18Oct2023

OMAN

MIRBAT 1536Z 18Oct2023  
SALALAH 1537Z 18Oct2023  
HASIK 1537Z 18Oct2023  
TAQAH 1538Z 18Oct2023

SEYCHELLES

FARQUHAR GROUP 1133Z 18Oct2023  
ASTOVE ISLAND 1153Z 18Oct2023  
ALPHONSE ISLAND 1157Z 18Oct2023  
COETIVY ISLAND 1159Z 18Oct2023  
ALDABRA 1207Z 18Oct2023  
TAKAMAKA 1212Z 18Oct2023  
ILE DESROCHES 1216Z 18Oct2023  
FREGATE ISLAND 1251Z 18Oct2023

SOMALIA

KAAMBOONI 1328Z 18Oct2023  
TURDHO 1331Z 18Oct2023  
NE BEERNAASI 1331Z 18Oct2023  
JILIB 1332Z 18Oct2023  
BARAAWE 1334Z 18Oct2023  
UARSCIECH 1335Z 18Oct2023  
ITALA 1336Z 18Oct2023  
BEYNAX BARRE 1337Z 18Oct2023  
MUQDISHO 1338Z 18Oct2023  
MAREEG 1343Z 18Oct2023  
CEEL DHEER 1349Z 18Oct2023  
XARARDHEERE 1353Z 18Oct2023  
GALDOGOB 1359Z 18Oct2023  
JARIIBAN 1410Z 18Oct2023  
BANDER-BEYLA 1415Z 18Oct2023  
EYL 1420Z 18Oct2023  
TOOXIN 1438Z 18Oct2023  
ABO 1501Z 18Oct2023  
QANDALA 1527Z 18Oct2023  
HADAAFTIMO 1543Z 18Oct2023  
BOSASO 1550Z 18Oct2023  
MAYDH 1559Z 18Oct2023

SOUTH AFRICA

FUNK SEAMOUNT 0753Z 18Oct2023  
ZIKHOVA 1028Z 18Oct2023  
KENTANI 1029Z 18Oct2023  
LUSIKISIKI 1031Z 18Oct2023  
PEDDIE 1031Z 18Oct2023  
WILLOWVALE 1032Z 18Oct2023  
ELLIOTDALE 1032Z 18Oct2023  
MARSHSTRAND 1032Z 18Oct2023  
KAYSER'S BEACH 1032Z 18Oct2023  
PORT ST JOHNS 1033Z 18Oct2023  
NGQUELENI 1034Z 18Oct2023  
MARGATE 1035Z 18Oct2023  
BIZANA 1035Z 18Oct2023  
BATHURST 1036Z 18Oct2023  
ALEXANDRIA 1036Z 18Oct2023  
KELSO 1037Z 18Oct2023  
MANDI 1044Z 18Oct2023  
PORT DURNFORD 1047Z 18Oct2023

GWABALANDA HITAWI 1048Z 18Oct2023  
PORT ELIZABETH 1050Z 18Oct2023  
GAMTOOS 1050Z 18Oct2023  
LAKE SIBAYI 1053Z 18Oct2023  
ABORETUM 1054Z 18Oct2023  
KOSIMEER 1101Z 18Oct2023  
HUMANSDORP 1110Z 18Oct2023  
HANKEY 1117Z 18Oct2023  
GEORGE 1126Z 18Oct2023  
HEIDELBERG 1132Z 18Oct2023  
MOSSEL 1140Z 18Oct2023  
WITAAND 1202Z 18Oct2023  
BREDASDORP 1203Z 18Oct2023

SRI LANKA

MATARA 1354Z 18Oct2023  
GALLE 1355Z 18Oct2023  
TANGALLE 1401Z 18Oct2023  
AMBALANGODA 1401Z 18Oct2023  
HAMBANTOTA 1402Z 18Oct2023  
KIRINDA 1403Z 18Oct2023  
BERUWALA 1406Z 18Oct2023  
POTTUVIL 1406Z 18Oct2023  
AKKARAI PATTU 1409Z 18Oct2023  
MORATUWA 1411Z 18Oct2023  
BATTICALOA 1411Z 18Oct2023  
OKANDA 1411Z 18Oct2023  
COLOMBO 1414Z 18Oct2023  
NEGOMBO 1416Z 18Oct2023  
MUNDAL LAKE 1424Z 18Oct2023  
KATTANKUDI 1425Z 18Oct2023  
ANAITIVU 1425Z 18Oct2023  
MANNAR ISLAND 1428Z 18Oct2023  
PANKULAM 1428Z 18Oct2023  
MULLAITTIVU 1439Z 18Oct2023  
MUSALI 1448Z 18Oct2023  
CHUNDIKKULAM 1459Z 18Oct2023  
CHAVAKACHCHERI 1506Z 18Oct2023  
POINT PEDRO 1511Z 18Oct2023

TANZANIA

MADANGWA 1308Z 18Oct2023  
RUVU 1310Z 18Oct2023  
JIMBO 1320Z 18Oct2023  
VUMBA 1322Z 18Oct2023  
SONGO SONGO ISLAND 1322Z 18Oct2023  
ZANZIBAR 1323Z 18Oct2023  
VUMBI 1327Z 18Oct2023  
GAZIJA 1328Z 18Oct2023  
KUTANI 1331Z 18Oct2023  
MSASANI 1339Z 18Oct2023  
BAGAMOYO 1340Z 18Oct2023  
BOMALANDNI 1346Z 18Oct2023  
WEST TO KONDE 1349Z 18Oct2023

THAILAND

THAI MUEANG 1545Z 18Oct2023  
KO RACHA NOI 1550Z 18Oct2023

TIMOR-LESTE

PANTE MACASSAR 1412Z 18Oct2023  
LIQUICA 1418Z 18Oct2023  
BOBONARO 1419Z 18Oct2023  
DILI 1425Z 18Oct2023

COVALIMA 1426Z 18Oct2023  
AINARO 1426Z 18Oct2023  
MANUFAHI 1430Z 18Oct2023  
MANATUTO NORTH 1434Z 18Oct2023  
VIQUEQUE 1436Z 18Oct2023  
MANATUTO SOUTH 1436Z 18Oct2023  
BAUCAU 1437Z 18Oct2023  
LAUTEM 1441Z 18Oct2023

UNITED KINGDOM  
DIEGO GARCIA 1204Z 18Oct2023  
NW EGMONT ISLAND 1226Z 18Oct2023  
MORESBY ISLAND 1230Z 18Oct2023

YEMEN  
SOCOTRA ISLAND NORTH 1446Z 18Oct2023  
SOCOTRA ISLAND SOUTH 1447Z 18Oct2023  
SOCOTRA ISLAND WEST 1449Z 18Oct2023  
HARRAH 1534Z 18Oct2023  
HAMI 1535Z 18Oct2023  
EAST TO HAMI 1535Z 18Oct2023  
AL MUKALLA 1537Z 18Oct2023  
AL GHAYDAH AIRPORT 1538Z 18Oct2023  
DAMQAWT 1539Z 18Oct2023  
BROM MAYFA 1539Z 18Oct2023  
HUSWAYN 1541Z 18Oct2023  
MASILAH WADI 1542Z 18Oct2023  
ALQUMRAH 1546Z 18Oct2023  
RUDUM 1548Z 18Oct2023  
AHWAR 1559Z 18Oct2023

4. ADVICE

This bulletin is being issued as advice. Only national/state/local authorities and disaster management officers have the authority to make decisions regarding the official threat and warning status in their coastal areas and any action to be taken in response.

5. UPDATES

Additional bulletins will be issued by IOTWMS-TSP AUSTRALIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:

TSP INDIA: <http://www.incois.gov.in/Incois/tsunami/eqevents.jsp>  
TSP INDONESIA: <http://rtsp.bmkg.go.id>

6. CONTACT INFORMATION

IOTWMS-TSP AUSTRALIA  
Joint Australian Tsunami Warning Centre (JATWC)  
Bureau of Meteorology  
GPO BOX 1289 Melbourne, Victoria, Australia, 3001  
<http://reg.bom.gov.au/tsunami/rtsp>

END OF BULLETIN

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#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####

# BULLETIN 13

IDY68504

```
#####  
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####
```

-----  
TSUNAMI BULLETIN NUMBER 13 (TYPE-IV FINAL BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 1730 UTC Wednesday 18 October 2023  
-----

... FINAL TSUNAMI BULLETIN FOR THE INDIAN OCEAN ...

## 1. TSUNAMI SOURCE INFORMATION

IOTWMS-TSP AUSTRALIA has detected a volcanic eruption at Heard Island with the following details:

Date: 18 Oct 2023  
Origin Time: 0400 UTC  
Latitude: 53.10S  
Longitude: 73.52E  
Location: KERGUELEN ISLANDS REGION

## 2. EVALUATION

Data from sea-level gauges confirmed that a tsunami was generated.

The expected period of significant tsunami waves is now over for all threatened Indian Ocean countries, based on IOTWMS-TSP AUSTRALIA modelling.

Because local conditions can cause a wide variation in tsunami wave action, CANCELLATION of national warnings and ALL CLEAR determination must be made by national/state/local authorities. Please be aware that dangerous currents can continue for several hours after the main tsunami waves have passed.

## 3. TSUNAMI WAVE OBSERVATIONS

Listed below are maximum wave amplitudes recorded at the specified locations. Note that wave amplitude is measured relative to normal sea level; it is NOT the crest-to-trough wave height.

Kerguelen Is	FRANCE	49.50S	70.17E	3.58m	18 Oct 06:42 UTC
Marion Island	SOUTH AFRICA	46.90S	37.87E	2.52m	18 Oct 08:10 UTC
Syowa	ANTARCTICA	69.00S	39.57E	2.53m	18 Oct 08:38 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	2.04m	18 Oct 09:55 UTC
Rodrigues	MAURITIUS	19.70S	63.42E	1.92m	18 Oct 10:06 UTC
Blue Bay	MAURITIUS	20.50S	57.67E	1.60m	18 Oct 10:09 UTC
Pointe des Galets	REUNION ISLA	20.90S	55.28E	1.92m	18 Oct 10:15 UTC
Sainte Marie	REUNION	20.90S	55.54E	1.61m	18 Oct 10:29 UTC
Port Elizabeth	SOUTH AFRICA	34.00S	25.83E	1.54m	18 Oct 10:34 UTC
Toamasina	MADAGASCAR	18.20S	49.43E	1.50m	18 Oct 10:59 UTC
Inhambane	MOCAMBIQUE	24.00S	35.50E	1.61m	18 Oct 11:04 UTC
Hillarys Harbor	AUSTRALIA	31.80S	115.74E	1.41m	18 Oct 11:36 UTC
Deep Ocean Buoy 56001	INDIAN OCEAN	14.02S	109.94E	0.12m	18 Oct 11:52 UTC
Cocos Island.	AUSTRALIA	12.10S	96.89E	1.32m	18 Oct 11:54 UTC
Point Murat	AUSTRALIA	21.80S	114.19E	1.52m	18 Oct 11:54 UTC
Agalega	MAURITIUS	10.30S	56.59E	1.17m	18 Oct 11:58 UTC
Geraldton.	AUSTRALIA	28.80S	114.57E	1.35m	18 Oct 12:03 UTC
Cape Cuvier Wharf	AUSTRALIA	24.20S	113.40E	1.12m	18 Oct 12:13 UTC
Diego Garcia	UK	7.20S	72.43E	1.03m	18 Oct 12:23 UTC
Comores	COMORES	11.70S	43.25E	1.22m	18 Oct 12:31 UTC

Dzaoudzi	FRANCE	12.80S	45.26E	1.18m	18 Oct 12:34	UTC
Deep Ocean Buoy 55015	TASMAN SEA 1	46.83S	160.26E	0.12m	18 Oct 12:35	UTC
Spring Bay	AUSTRALIA	42.50S	147.93E	0.95m	18 Oct 12:39	UTC
Maria Island	AUSTRALIA	42.60S	148.06E	1.25m	18 Oct 12:41	UTC
Christmas Is	AUSTRALIA	10.40S	105.67E	1.24m	18 Oct 12:41	UTC
Deep Ocean Buoy 55042	TASMAN SEA 2	44.90S	161.84E	0.14m	18 Oct 12:42	UTC
Portland.	AUSTRALIA	38.30S	141.61E	1.18m	18 Oct 12:48	UTC
Darlington	AUSTRALIA	42.60S	148.06E	1.19m	18 Oct 12:50	UTC
Southport Jetty	AUSTRALIA	43.50S	147.00E	1.01m	18 Oct 12:54	UTC
Pemba	MOCAMBIQUE	13.00S	40.48E	1.20m	18 Oct 12:56	UTC
Denis Island	SEYCHELLES	3.80S	55.67E	1.03m	18 Oct 12:56	UTC
King Edward Point	UK	54.17S	36.50W	1.20m	18 Oct 12:58	UTC
Esperance.	AUSTRALIA	33.83S	122.00E	1.30m	18 Oct 13:00	UTC
Puysegur Welcome Bay	NEW ZEALAND	46.17S	166.50E	1.21m	18 Oct 13:04	UTC
Pt LaRue	SEYCHELLES	4.50S	55.50E	0.97m	18 Oct 13:06	UTC
Cilacap	INDONESIA	7.80S	109.00E	1.02m	18 Oct 13:09	UTC
Tristan da Cunha	UK	37.10S	12.30W	1.17m	18 Oct 13:10	UTC
Prigi	INDONESIA	8.33S	111.83E	1.05m	18 Oct 13:10	UTC
Bengkunat	INDONESIA	5.52S	104.21E	1.16m	18 Oct 13:11	UTC
Deep Ocean Buoy 56003	INDIAN OCEAN	15.02S	117.94E	0.11m	18 Oct 13:12	UTC
Pangandaran	INDONESIA	7.83S	108.50E	1.23m	18 Oct 13:15	UTC
Binuangeun	INDONESIA	6.83S	106.00E	0.99m	18 Oct 13:17	UTC
Kota Agung	INDONESIA	5.67S	104.67E	0.90m	18 Oct 13:19	UTC
Lembar	INDONESIA	8.70S	116.07E	1.07m	18 Oct 13:20	UTC
Tanjung Lesung	INDONESIA	6.50S	105.50E	1.21m	18 Oct 13:22	UTC
Telukdalam	INDONESIA	0.50N	97.83E	0.83m	18 Oct 13:25	UTC
Sadeng	INDONESIA	8.33S	110.83E	0.88m	18 Oct 13:26	UTC
Benoa	INDONESIA	8.83S	115.33E	0.77m	18 Oct 13:26	UTC
Enggano	INDONESIA	5.30S	102.28E	1.00m	18 Oct 13:27	UTC
Gan	MALDIVES	0.70S	73.15E	0.96m	18 Oct 13:34	UTC
Marina Jambu	INDONESIA	6.19S	105.83E	0.84m	18 Oct 13:36	UTC
Ulladulla	AUSTRALIA	35.36S	150.48E	0.88m	18 Oct 13:38	UTC
Port Kembla	AUSTRALIA	34.50S	151.00E	1.17m	18 Oct 13:39	UTC
Mtwara	TANZANIA	10.33S	40.33E	0.82m	18 Oct 13:43	UTC
Lorne.	AUSTRALIA	38.50S	144.17E	0.99m	18 Oct 13:44	UTC
Panjang	INDONESIA	5.67S	105.33E	1.05m	18 Oct 13:44	UTC
Battery Point	AUSTRALIA	43.00S	147.33E	0.77m	18 Oct 13:45	UTC
Twofold Bay	AUSTRALIA	37.00S	150.00E	1.18m	18 Oct 13:46	UTC
Waikelo	INDONESIA	9.40S	119.22E	0.79m	18 Oct 13:46	UTC
Mombasa	KENYA	4.10S	39.65E	1.09m	18 Oct 13:48	UTC
Stony Point	AUSTRALIA	38.50S	145.17E	0.79m	18 Oct 13:56	UTC
Seblat	INDONESIA	3.17S	101.50E	1.08m	18 Oct 14:02	UTC
Rote	INDONESIA	10.70S	123.06E	0.78m	18 Oct 14:03	UTC
Deep Ocean Buoy 23227	BAY OF BENGA	6.26N	88.79E	0.09m	18 Oct 14:06	UTC
Lord Howe Island	AUSTRALIA	31.52S	159.06E	1.09m	18 Oct 14:10	UTC
Ciwandan	INDONESIA	6.00S	105.83E	0.99m	18 Oct 14:14	UTC
Male	MALDIVES	4.20N	73.53E	0.64m	18 Oct 14:14	UTC
Deep Ocean Buoy 23401	BAY OF BENGA	8.86N	88.56E	0.10m	18 Oct 14:16	UTC
Antarctica Base Prat	CHILE	62.48S	59.66W	1.11m	18 Oct 14:19	UTC
Lamu	KENYA	2.30S	40.90E	0.83m	18 Oct 14:25	UTC
Meulaboh	INDONESIA	4.17N	96.00E	1.07m	18 Oct 14:28	UTC
Saint Helena	SAINT HELENA	15.90S	5.72W	0.67m	18 Oct 14:30	UTC
Tweed Heads	AUSTRALIA	28.17S	153.67E	0.79m	18 Oct 14:30	UTC
Walvis Bay	NAMIBIA	22.90S	14.50E	0.95m	18 Oct 14:30	UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	0.82m	18 Oct 14:31	UTC
Minicoy	INDIA	8.30N	73.05E	1.05m	18 Oct 14:31	UTC
Base OHiggins	ANTARCTICA	63.32S	57.90W	0.98m	18 Oct 14:32	UTC
Port Hedland(Offshore)	AUSTRALIA	20.00S	118.42E	1.06m	18 Oct 14:36	UTC
Kirinda	SRI LANKA	6.20N	81.32E	0.82m	18 Oct 14:39	UTC
Trincomalee	SRI LANKA	8.67N	81.33E	0.78m	18 Oct 14:40	UTC
Wavebreak Island	AUSTRALIA	27.93S	153.42E	0.97m	18 Oct 14:44	UTC



Dog Island	NEW ZEALAND	46.70S	168.41E	0.60m	18 Oct 14:46 UTC
Kupang	INDONESIA	10.20S	125.58E	0.74m	18 Oct 14:46 UTC
Green Island	NEW ZEALAND	46.00S	170.38E	0.70m	18 Oct 14:52 UTC
Colombo	SRI LANKA	7.00N	79.85E	0.67m	18 Oct 14:54 UTC
Southport	AUSTRALIA	27.97S	153.43E	0.67m	18 Oct 15:00 UTC
Chatham Island	NEW ZEALAND	44.00S	176.50W	0.56m	18 Oct 15:01 UTC
Port Stanvac	AUSTRALIA	35.00S	138.50E	0.91m	18 Oct 15:03 UTC
Charleston	NEW ZEALAND	41.83S	171.33E	0.90m	18 Oct 15:04 UTC
Waitangi	NEW ZEALAND	43.90S	176.56W	0.70m	18 Oct 15:05 UTC
Sibolga	INDONESIA	1.67N	98.67E	0.60m	18 Oct 15:07 UTC
Dunedin	NEW ZEALAND	45.80S	170.63E	0.81m	18 Oct 15:08 UTC
Sabang	INDONESIA	5.80N	95.33E	0.75m	18 Oct 15:09 UTC
Jumpinpin	AUSTRALIA	27.74S	153.43E	1.00m	18 Oct 15:12 UTC
Burnie.	AUSTRALIA	41.00S	145.83E	0.76m	18 Oct 15:14 UTC
Gold Coast	AUSTRALIA	27.90S	153.43E	0.84m	18 Oct 15:20 UTC
Vernadsky Faraday	ANTARCTICA	65.30S	64.27W	0.69m	18 Oct 15:22 UTC
Nancowry	INDIA	8.10N	93.55E	0.79m	18 Oct 15:22 UTC
Chennai	INDIA	13.10N	80.30E	0.67m	18 Oct 15:28 UTC
Scott Base	ANTARCTICA	77.83S	166.50E	0.56m	18 Oct 15:30 UTC
Stanley	FALKLAND ISL	51.80S	57.93W	0.65m	18 Oct 15:33 UTC
Scarboroughh	AUSTRALIA	27.19S	153.11E	0.53m	18 Oct 15:35 UTC
Ambon	INDONESIA	3.70S	128.18E	0.76m	18 Oct 15:38 UTC
Broome.	AUSTRALIA	18.00S	122.22E	0.66m	18 Oct 15:41 UTC
Norfolk Island.	AUSTRALIA	29.10S	167.95E	0.88m	18 Oct 15:44 UTC
Noosa Sand Jetty	AUSTRALIA	26.33S	153.17E	0.72m	18 Oct 15:44 UTC
Anawhata	NEW ZEALAND	36.83S	174.33E	0.60m	18 Oct 15:44 UTC
Dargaville	NEW ZEALAND	36.00S	173.67E	0.79m	18 Oct 15:45 UTC
Timaru Port	NEW ZEALAND	44.40S	171.25E	0.62m	18 Oct 15:47 UTC
Cochin	INDIA	10.00N	76.17E	0.63m	18 Oct 15:48 UTC
Kaingaroa Chatham Is	PACIFIC OCEA	43.70S	176.27W	0.85m	18 Oct 15:49 UTC
Poutu Point	NEW ZEALAND	36.50S	174.17E	0.56m	18 Oct 15:49 UTC
North Cape	NEW ZEALAND	34.41S	173.05E	0.55m	18 Oct 15:50 UTC
Zanzibar	TANZANIA	6.20S	39.18E	0.80m	18 Oct 15:50 UTC
Mooloolaba	AUSTRALIA	26.68S	153.13E	0.76m	18 Oct 15:51 UTC
Saumlaki	INDONESIA	8.00S	131.29E	0.84m	18 Oct 15:57 UTC
Port Blair	INDIA	11.70N	92.76E	0.85m	18 Oct 16:02 UTC
Salalah	OMAN	16.90N	54.01E	0.43m	18 Oct 16:04 UTC
Riversdale	NEW ZEALAND	41.17S	176.17E	0.55m	18 Oct 16:05 UTC
Kaikoura	NEW ZEALAND	42.50S	173.67E	0.69m	18 Oct 16:06 UTC

#### 4. ADVICE

This bulletin is being issued as advice. Only national/state/local authorities and disaster management officers have the authority to make decisions regarding the official threat and warning status in their coastal areas and any action to be taken in response.

#### 5. UPDATES

No further bulletins will be issued by IOTWMS-TSP AUSTRALIA for this event unless additional information becomes available.

Other IOTWMS-TSPs may issue additional information at:

TSP INDIA: <http://www.incois.gov.in/Incois/tsunami/eqevents.jsp>

TSP INDONESIA: <http://rtsp.bmkg.go.id>

#### 6. CONTACT INFORMATION

IOTWMS-TSP AUSTRALIA

Joint Australian Tsunami Warning Centre (JATWC)

Bureau of Meteorology

GPO BOX 1289 Melbourne, Victoria, Australia, 3001

<http://reg.bom.gov.au/tsunami/rtsp>

END OF BULLETIN

#####

```
#  
# TEST TEST TEST - EXERCISE IOWAVE23 - NOT A REAL TSUNAMI EVENT  
#  
#####
```