



EXERCISE INDIAN OCEAN WAVE 18

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

4–5 September 2018

Volume 1

Exercise Manual

**Supplement 1
TSP Bulletins for Scenario 1: Makran Trench**

EXERCISE INDIAN OCEAN WAVE 18

An Indian Ocean-wide Tsunami Warning and Communications Exercise

4–5 September 2018

Volume 1

Exercise Manual

Supplement 1

TSP Bulletins for Scenario 1: Makran Trench

UNESCO 2018

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Prepared by the Exercise IOWave18 Task Team for the Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System.

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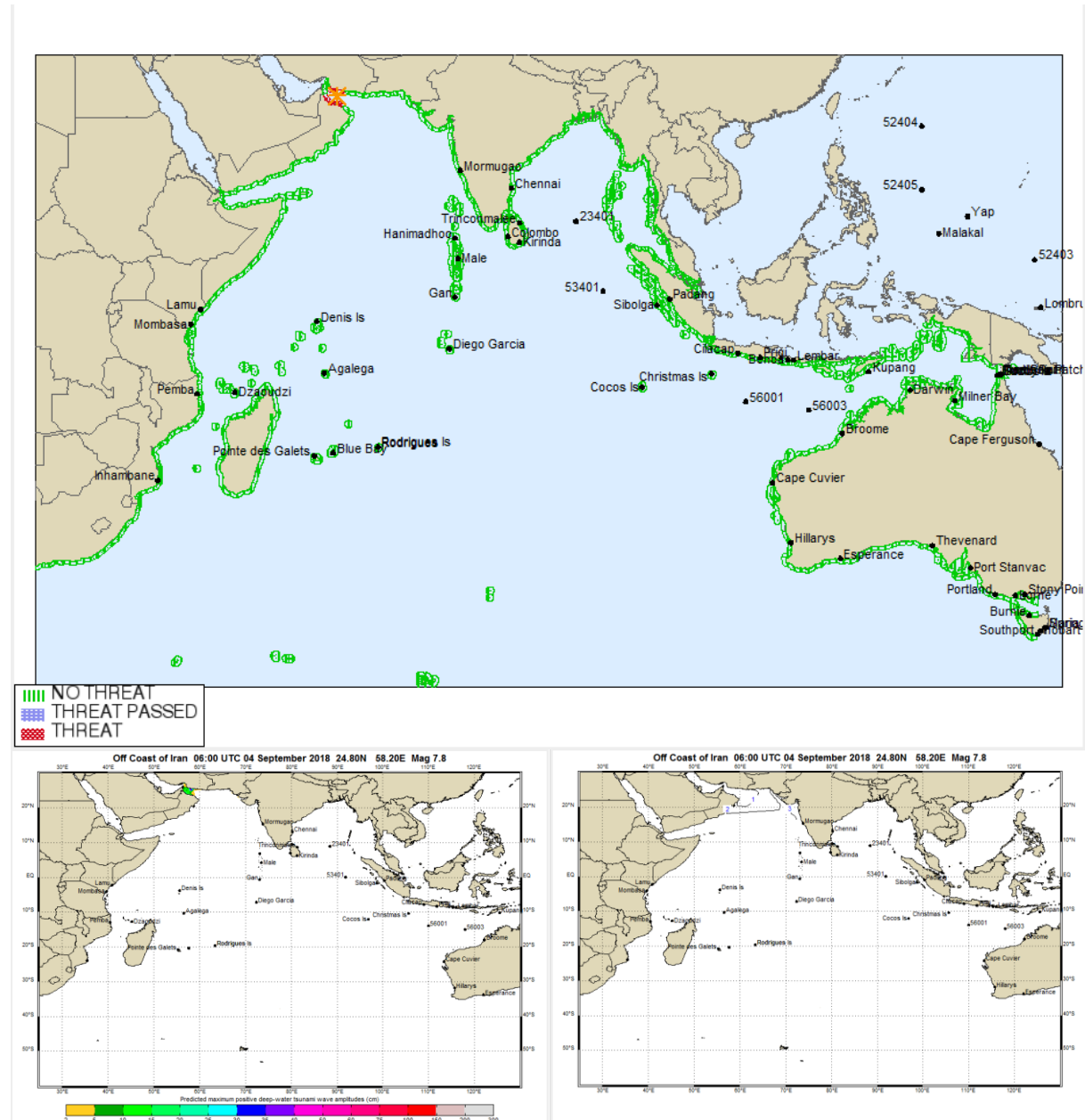
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INTRODUCTION

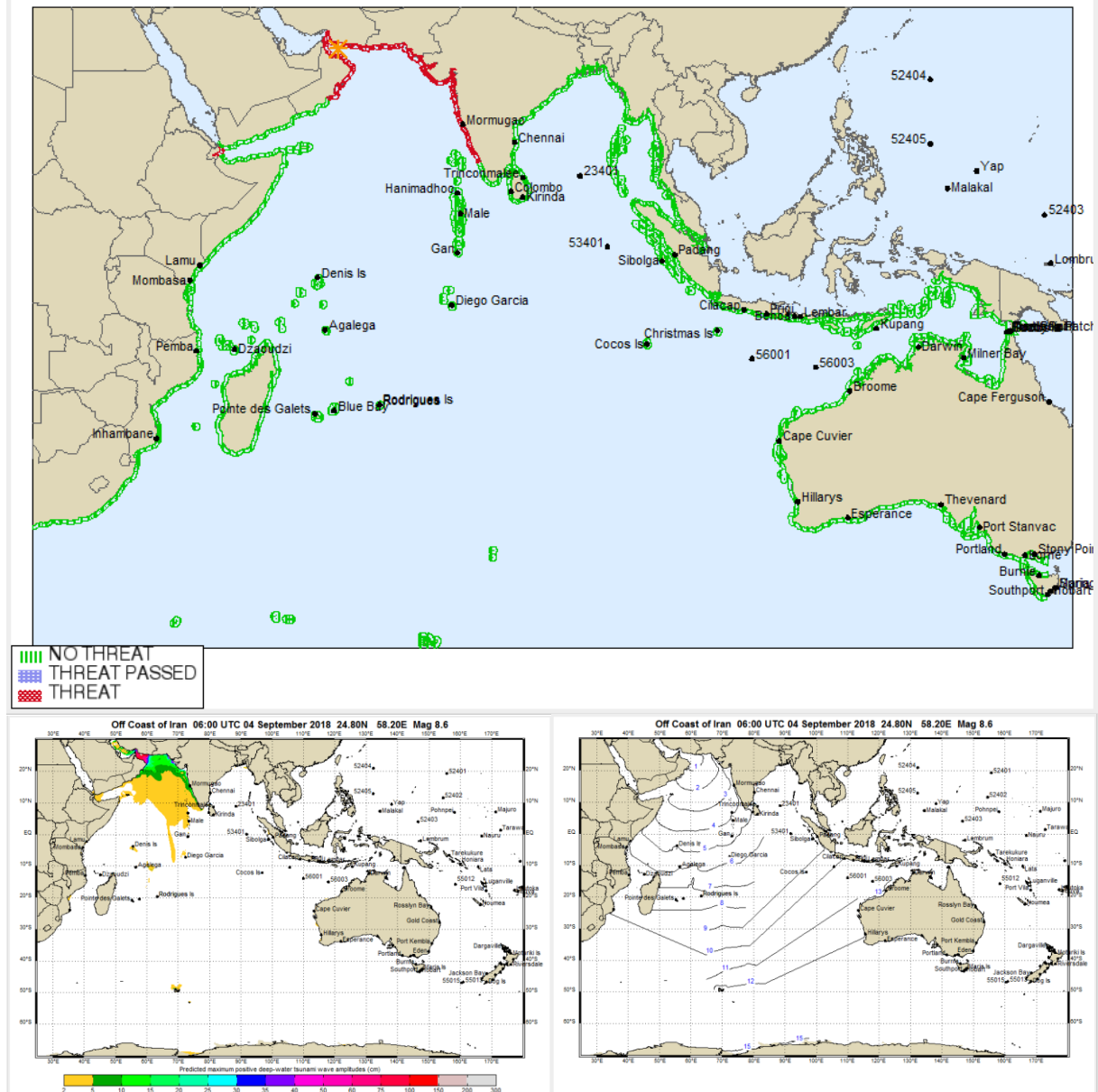
This document contains all of the Tsunami Service Provider (TSP) products generated in advance of the Makran trench scenario of Exercise Indian Ocean Wave 2018 to be conducted on 4 September 2018.

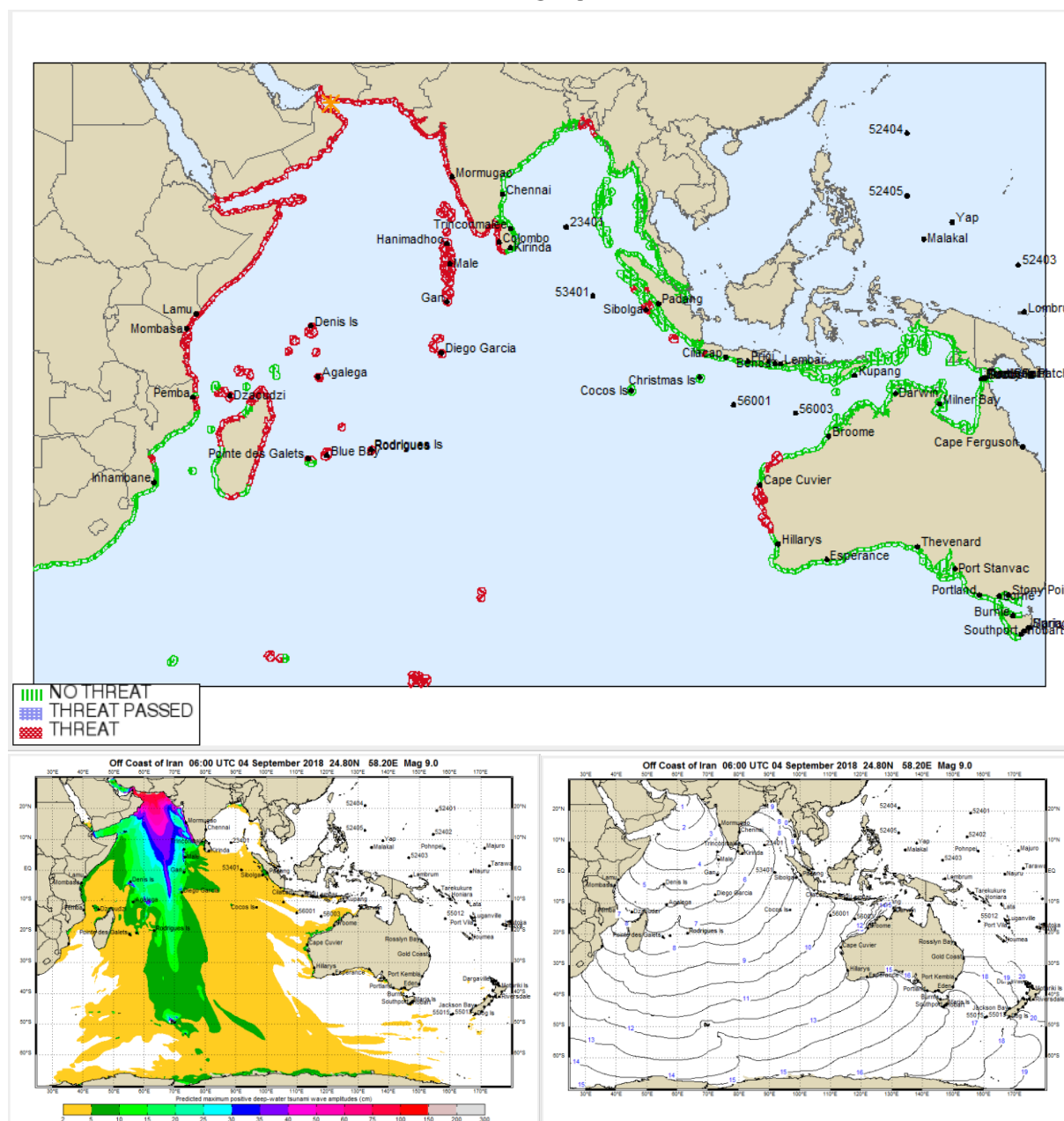
1. TSP AUSTRALIA MAPS

M7.8



M8.6





2. TSP AUSTRALIA BULLETINS

BULLETIN 1

IDY68503

TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT

#####

TSUNAMI BULLETIN NUMBER 1 (TYPE-I EARTHQUAKE BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)
ISSUED AT 0612 UTC Tuesday 04 September 2018

... EARTHQUAKE BULLETIN ...

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. EARTHQUAKE INFORMATION

IOTWMS-TSP AUSTRALIA has detected an earthquake with the following preliminary information:

Magnitude: 7.8 Mwp
Depth: 10km
Date: 04 Sep 2018
Origin Time: 0600 UTC
Latitude: 24.80N
Longitude: 58.20E
Location: Off Coast of Iran

2. EVALUATION

Based on historical data and tsunami modelling, this earthquake may be capable of generating a tsunami affecting the Indian Ocean region. IOTWMS-TSP AUSTRALIA will monitor sea level gauges near the earthquake to determine if a tsunami was generated and will issue further bulletins for this event.

Further information on this event will be available at:
<http://reg.bom.gov.au/tsunami/rtsp>

3. 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.

4. OTHER INDIAN OCEAN TSUNAMI SERVICE PROVIDERS:

Other IOTWMS-TSPs may issue additional information at:
IOTWMS-TSP INDIA: <http://www.incois.gov.in/Incois/tsunami/eqevents.jsp>
IOTWMS-TSP INDONESIA: <http://rtsp.bmkg.go.id>

5. CONTACT INFORMATION

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

END OF BULLETIN

TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT

#####

BULLETIN 2

IDY68501

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#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####
```

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-----  
TSUNAMI BULLETIN NUMBER 2 (TYPE-II THREAT ASSESSMENT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 0613 UTC Tuesday 04 September 2018  
-----
```

... 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. EARTHQUAKE INFORMATION

IOTWMS-TSP AUSTRALIA has detected an earthquake with the following details:

Magnitude: 7.8 Mwp
Depth: 10km
Date: 04 Sep 2018
Origin Time: 0600 UTC
Latitude: 24.80N
Longitude: 58.20E
Location: Off Coast of Iran

2. EVALUATION

Earthquakes of this size are capable of generating tsunamis. However, so far there is no confirmation about the triggering of a tsunami.

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 pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone, and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than 0.5m at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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.

IRAN

BIR 0600Z 04Sep2018 1.66m

OMAN

MUSCAT	0616Z 04Sep2018	0.90m
AL KHABURAH	0620Z 04Sep2018	0.89m
BARKA	0620Z 04Sep2018	0.82m
SOHAR	0636Z 04Sep2018	0.57m

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 IOWAVE18 - NOT A REAL TSUNAMI EVENT

#####

BULLETIN 3

IDY68501

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#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - 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 0622 UTC Tuesday 04 September 2018  
-----
```

... 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. EARTHQUAKE INFORMATION

IOTWMS-TSP AUSTRALIA has detected an earthquake with the following details:

Magnitude: 8.6 Mwp (REVISED)
Depth: 10km
Date: 04 Sep 2018
Origin Time: 0600 UTC
Latitude: 24.80N
Longitude: 58.20E
Location: Off Coast of Iran

2. EVALUATION

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

Gwadar	PAKISTAN	25.00N	62.00E	7.10m	04 Sep 06:10 UTC
Chabahar	IRAN	25.33N	60.50E	6.00m	04 Sep 06:15 UTC

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone, and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than 0.5m at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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.

DJIBOUTI
NW ARTA 1140Z 04Sep2018 0.70m
MUHAMMAD ALI BIN FATHA SUMANA 1146Z 04Sep2018 0.56m

INDIA
PORBANDAR 0840Z 04Sep2018 0.73m
MANDVI 0842Z 04Sep2018 1.57m
DWARKA 0842Z 04Sep2018 1.03m
JAMNAGAR 0848Z 04Sep2018 0.94m
MANGROL 0858Z 04Sep2018 0.73m
HAZIRA, DIU 0912Z 04Sep2018 0.86m

MALVAN BAY	0946Z	04Sep2018	0.59m
JAIGARH	0954Z	04Sep2018	0.63m
PANAJI	0956Z	04Sep2018	0.61m
VASCO	0958Z	04Sep2018	0.63m
KARWAR	1016Z	04Sep2018	0.66m
KASARAGOD	1026Z	04Sep2018	0.57m
UDUPI	1028Z	04Sep2018	0.67m
MANGALORE	1030Z	04Sep2018	0.65m
PIPAVAV	1036Z	04Sep2018	0.80m
MAHE	1036Z	04Sep2018	0.60m
KANNUR	1038Z	04Sep2018	0.57m
VAKKAD	1042Z	04Sep2018	0.53m
BEYPORE	1044Z	04Sep2018	0.52m
MAHUVA	1044Z	04Sep2018	0.76m
MUMBAI	1048Z	04Sep2018	0.81m
ALIBAG PORT	1048Z	04Sep2018	0.81m
TARAPUR	1100Z	04Sep2018	0.70m
HAZIRA	1102Z	04Sep2018	0.81m
BHARUCH	1122Z	04Sep2018	0.72m
KHAMBAT	1712Z	04Sep2018	0.63m
BORSI	1846Z	04Sep2018	0.81m
DAMAN	1846Z	04Sep2018	0.81m

IRAN

PUSHT	0600Z	04Sep2018	4.51m
BIR	0600Z	04Sep2018	10.82m
MISKI	0646Z	04Sep2018	3.31m

OMAN

MUSCAT	0612Z	04Sep2018	12.57m
BARKA	0614Z	04Sep2018	8.92m
AL KHABURAH	0616Z	04Sep2018	7.90m
QURAYYAT	0616Z	04Sep2018	8.82m
SUR	0624Z	04Sep2018	5.01m
SOHAR	0626Z	04Sep2018	4.60m
AL ASHKHARAH	0634Z	04Sep2018	2.15m
EAST MUSANDAM	0646Z	04Sep2018	3.59m
RAS AR RUWAYS	0658Z	04Sep2018	0.95m
MASIRAH	0702Z	04Sep2018	0.79m
AD DUQM	0732Z	04Sep2018	0.59m

PAKISTAN

ORMARA	0626Z	04Sep2018	1.39m
WINDER	0728Z	04Sep2018	1.24m
SINDH	0802Z	04Sep2018	1.01m
KARACHI	0806Z	04Sep2018	1.72m

UNITED ARAB EMIRATES

KALBA	0630Z	04Sep2018	3.66m
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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/egevents.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 IOWAVE18 - NOT A REAL TSUNAMI EVENT
#
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BULLETIN 4

IDY68501

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#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - 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 0632 UTC Tuesday 04 September 2018  
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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. EARTHQUAKE INFORMATION

IOTWMS-TSP AUSTRALIA has detected an earthquake with the following details:

Magnitude: 9.0 Mwp (REVISED)
Depth: 10km
Date: 04 Sep 2018
Origin Time: 0600 UTC
Latitude: 24.80N
Longitude: 58.20E
Location: Off Coast of Iran

2. EVALUATION

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

Gwadar	PAKISTAN	25.00N	62.00E	7.10m	04 Sep 06:10 UTC
Chabahar	IRAN	25.33N	60.50E	6.00m	04 Sep 06:15 UTC
Jask	IRAN	25.60N	57.77E	3.00m	04 Sep 06:20 UTC
Muscat	OMAN	23.60N	58.57E	5.50m	04 Sep 06:20 UTC

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone, and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than 0.5m at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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				
GASCOYNE COAST	1746Z	04Sep2018	0.59m	
PILBARA COAST WEST	1756Z	04Sep2018	0.57m	
HEARD ISLAND AND MCDONALD ISLANDS	1936Z	04Sep2018	1.40m	
AURORA BANK	1952Z	04Sep2018	0.74m	
GERALDTON COAST	2324Z	04Sep2018	0.53m	

BANGLADESH			
COXS BAZAR	2144Z	04Sep2018	0.58m

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KUTUBDIA ISLAND 0218Z 05Sep2018 0.54m
BARGUNA 0218Z 05Sep2018 0.54m

COMOROS

BAMBAO 1222Z 04Sep2018 0.63m
FOMBONI 1226Z 04Sep2018 0.70m
DZAUDZI 1226Z 04Sep2018 0.53m

DJIBOUTI

MUHAMMAD ALI BIN FATHA SUMANA 1106Z 04Sep2018 2.42m
NW ARTA 1108Z 04Sep2018 2.86m

FRANCE

SAINT-DENIS 1324Z 04Sep2018 0.73m
LLE SAINT-PAUL-NORTH 1630Z 04Sep2018 1.00m
LLE SAINT-PAUL-SOUTH 1640Z 04Sep2018 0.89m
ILE DE LA POSSESSION 1826Z 04Sep2018 0.63m
CROZET PLATEAU 1840Z 04Sep2018 0.94m
ILE KERGUELEN 1840Z 04Sep2018 1.47m

INDIA

MANDVI 0746Z 04Sep2018 3.20m
PORBANDAR 0752Z 04Sep2018 1.84m
DWARKA 0754Z 04Sep2018 2.69m
JAMNAGAR 0758Z 04Sep2018 2.14m
MANGROL 0814Z 04Sep2018 1.95m
HAZIRA, DIU 0826Z 04Sep2018 2.03m
AMINI 0848Z 04Sep2018 2.45m
AGATTI 0848Z 04Sep2018 2.55m
KAVARATTI 0856Z 04Sep2018 1.83m
MALVAN BAY 0900Z 04Sep2018 1.67m
VASCO 0912Z 04Sep2018 1.86m
ANDROTH 0912Z 04Sep2018 2.40m
PANAJI 0914Z 04Sep2018 1.74m
MINICOY 0916Z 04Sep2018 1.55m
JAIGARH 0916Z 04Sep2018 1.76m
KARWAR 0922Z 04Sep2018 1.76m
UDUPI 0940Z 04Sep2018 1.93m
MANGALORE 0944Z 04Sep2018 1.62m
KASARAGOD 0946Z 04Sep2018 1.75m
PIPAVAV 0948Z 04Sep2018 1.74m
MAHUA 0952Z 04Sep2018 1.63m
KHAMBAT 0954Z 04Sep2018 1.45m
ALLEPPEY ALAPPUZHA 0958Z 04Sep2018 1.84m
MAHE 0958Z 04Sep2018 2.03m
BEYPORE 1000Z 04Sep2018 2.04m
KANNUR 1000Z 04Sep2018 1.92m
BHARUCH 1000Z 04Sep2018 1.39m
VADANAPPALLY 1000Z 04Sep2018 1.73m
VAKKAD 1002Z 04Sep2018 1.96m
COCHIN 1002Z 04Sep2018 1.64m
TARAPUR 1002Z 04Sep2018 1.32m
MUMBAI 1004Z 04Sep2018 1.63m
QUILON 1004Z 04Sep2018 1.71m
ALIBAG PORT 1004Z 04Sep2018 1.63m
BORSI 1010Z 04Sep2018 1.26m
HAZIRA 1010Z 04Sep2018 1.41m
DAMAN 1010Z 04Sep2018 1.26m
TRIVANDRUM 1016Z 04Sep2018 1.32m
KANYAKUMARI 1030Z 04Sep2018 1.07m
KODANKULAM 1102Z 04Sep2018 0.86m
TUTICORIN 1130Z 04Sep2018 0.64m
RAMESWARAM 1132Z 04Sep2018 0.57m
KOTTTAIPPATTANAM 1140Z 04Sep2018 0.50m

INDONESIA

SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT 1416Z 04Sep2018 0.62m
BENGKULU BENGKULU-UTARA P.ENGGAHO 1450Z 04Sep2018 0.53m
SUMUT NIAS B 1826Z 04Sep2018 0.54m
SUMUT MANDAILING-NATAL U 1944Z 04Sep2018 0.55m
SAKUBO 2030Z 04Sep2018 0.53m
MURASAIBI 2032Z 04Sep2018 0.51m
MUARASIGEP 2034Z 04Sep2018 0.57m
JABAR SUKABUMI PELABUHAN-RATU 2044Z 04Sep2018 0.68m
LAMPUNG LAMPUNG-SELATAN KALIANDA 0314Z 05Sep2018 0.60m

IRAN

PUSHT	0600Z	04Sep2018	7.88m
BIR	0600Z	04Sep2018	12.69m
MISKI	0640Z	04Sep2018	3.60m

KENYA

KIWAYU	1210Z	04Sep2018	0.69m
MALINDI	1218Z	04Sep2018	0.85m
TAKAUNGU	1220Z	04Sep2018	0.63m
KISIMACHANDE	1224Z	04Sep2018	0.74m
KIPINI	1224Z	04Sep2018	0.79m
MVULENI	1240Z	04Sep2018	0.67m

MADAGASCAR

ANOROTSANGANA	1210Z	04Sep2018	0.87m
VOHEMAR	1214Z	04Sep2018	1.01m
BALY	1302Z	04Sep2018	0.64m
TOAMASINA AIRPORT	1342Z	04Sep2018	0.53m
TAMPOLO	1346Z	04Sep2018	1.05m
TAMOTAMO	1356Z	04Sep2018	0.59m
AMBAHY	1412Z	04Sep2018	0.55m
FARAFAGANA	1516Z	04Sep2018	0.66m
SAMPONA	0304Z	05Sep2018	0.56m

MALDIVES

KULHUDUFFUSHI	0922Z	04Sep2018	2.28m
GOLDHOO	0928Z	04Sep2018	2.12m
FERIDHOO	0940Z	04Sep2018	2.31m
NILANDHOO	0952Z	04Sep2018	1.97m
DHIYAMIGILI	0958Z	04Sep2018	1.89m
MALE	1004Z	04Sep2018	1.21m
THINADHOO	1012Z	04Sep2018	1.77m
KOLHUFUSHI	1022Z	04Sep2018	1.13m
HITHADHOO	1026Z	04Sep2018	1.27m

MAURITIUS

AGALEGA ISLAND	1152Z	04Sep2018	0.87m
LA FERME	1312Z	04Sep2018	1.67m
GRANDE REVIERE SUD EST-WEST	1322Z	04Sep2018	0.66m
CARGADOS CARAJOS	1322Z	04Sep2018	0.82m
GRANDE REVIERE SUD EST-EAST	1336Z	04Sep2018	0.66m

MOZAMBIQUE

MAGANJA	1238Z	04Sep2018	0.60m
QUITERAJO	1252Z	04Sep2018	0.51m
MURREBUE	1300Z	04Sep2018	0.56m
MERONVI	1300Z	04Sep2018	0.54m
LURIO	1306Z	04Sep2018	0.57m
MECUFI	1306Z	04Sep2018	0.61m
PEMBA	1308Z	04Sep2018	0.54m
NANGATA	1312Z	04Sep2018	0.59m
MINHAUINE	1314Z	04Sep2018	0.65m
NHANGAU	0422Z	05Sep2018	0.54m

OMAN

MUSCAT	0610Z	04Sep2018	16.49m
BARKA	0614Z	04Sep2018	12.14m
AL KHABURAH	0614Z	04Sep2018	10.92m
QURAYYAT	0614Z	04Sep2018	13.16m
SUR	0622Z	04Sep2018	11.04m
SOHAR	0624Z	04Sep2018	6.42m
AL ASHKHARAH	0630Z	04Sep2018	6.55m
EAST MUSANDAM	0642Z	04Sep2018	5.07m
RAS AR RUWAYS	0652Z	04Sep2018	3.45m
MASIRAH	0654Z	04Sep2018	3.06m
AD DUQM	0720Z	04Sep2018	2.29m
HASIK	0746Z	04Sep2018	1.83m
AL JAZER	0746Z	04Sep2018	1.62m
MIRBAT	0800Z	04Sep2018	1.41m
TAQAH	0808Z	04Sep2018	1.39m
SALALAH	0814Z	04Sep2018	1.66m

PAKISTAN

ORMARA	0600Z	04Sep2018	11.71m
WINDER	0602Z	04Sep2018	5.15m
KARACHI	0652Z	04Sep2018	4.04m
SINDH	0708Z	04Sep2018	3.30m

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SEYCHELLES

FREGATE ISLAND	1036Z	04Sep2018	2.18m
ILE DESROCHES	1054Z	04Sep2018	0.90m
ALPHONSE ISLAND	1114Z	04Sep2018	0.54m
TAKAMAKA	1116Z	04Sep2018	1.64m
COETIVY ISLAND	1124Z	04Sep2018	0.73m
ALDABRA	1148Z	04Sep2018	0.59m
ASTOVE ISLAND	1148Z	04Sep2018	0.52m

SOMALIA

TOOXIN	0918Z	04Sep2018	1.07m
ABO	0920Z	04Sep2018	1.60m
QANDALA	0926Z	04Sep2018	1.05m
BANDER-BEYLA	0928Z	04Sep2018	1.02m
EYL	0938Z	04Sep2018	1.20m
HADAAFTIMO	0942Z	04Sep2018	0.81m
BOSASO	0944Z	04Sep2018	0.95m
JARIIBAN	0950Z	04Sep2018	1.14m
MAYDH	0956Z	04Sep2018	0.98m
GALDOGOB	1000Z	04Sep2018	1.00m
KABURA	1014Z	04Sep2018	1.13m
XARARDHEERE	1018Z	04Sep2018	0.86m
BAKI	1022Z	04Sep2018	1.15m
CEEL DHEER	1028Z	04Sep2018	0.75m
MAREEG	1032Z	04Sep2018	0.68m
ITALA	1034Z	04Sep2018	0.63m
UARSCIECH	1046Z	04Sep2018	0.61m
MUQDISHO	1054Z	04Sep2018	0.58m
SAYLAC	1100Z	04Sep2018	1.25m
BEYNAX BARRE	1104Z	04Sep2018	0.60m
LOYADO	1108Z	04Sep2018	1.35m
BARAAWE	1110Z	04Sep2018	0.58m
JILIB	1126Z	04Sep2018	0.56m
TURDHO	1130Z	04Sep2018	0.54m
NE BEERNAASI	1136Z	04Sep2018	0.58m
KAAMBOONI	1144Z	04Sep2018	0.53m

SRI LANKA

COLOMBO	1050Z	04Sep2018	0.56m
AMBALANGODA	1052Z	04Sep2018	0.58m
BERUWALA	1054Z	04Sep2018	0.56m
GALLE	1056Z	04Sep2018	0.54m
MORATUWA	1056Z	04Sep2018	0.64m
MATARA	1056Z	04Sep2018	0.56m
MUNDAL LAKE	1100Z	04Sep2018	0.56m
NEGOMBO	1100Z	04Sep2018	0.63m
MUSALI	1156Z	04Sep2018	0.53m
MANNAR ISLAND	1206Z	04Sep2018	0.58m

TANZANIA

ZANZIBAR	1228Z	04Sep2018	0.61m
KUTANI	1230Z	04Sep2018	0.57m
WEST TO KONDE	1238Z	04Sep2018	0.82m
RUUVU	1238Z	04Sep2018	0.65m
VUMBA	1242Z	04Sep2018	0.64m
SONGO SONGO ISLAND	1242Z	04Sep2018	0.53m
MADANGWA	1242Z	04Sep2018	0.65m
BOMALANDNI	1244Z	04Sep2018	0.76m
MSASANI	1244Z	04Sep2018	0.65m
VUMBI	1246Z	04Sep2018	0.58m
BAGAMOYO	1246Z	04Sep2018	0.85m
GAZIJA	1248Z	04Sep2018	0.69m
JIMBO	1258Z	04Sep2018	0.66m

UNITED ARAB EMIRATES

KALBA	0628Z	04Sep2018	5.09m
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UNITED KINGDOM

MORESBY ISLAND	1058Z	04Sep2018	1.99m
NW EGMONT ISLAND	1108Z	04Sep2018	1.63m
DIEGO GARCIA	1138Z	04Sep2018	1.52m

YEMEN

SOCOTRA ISLAND SOUTH	0826Z	04Sep2018	1.68m
DAMQAWT	0830Z	04Sep2018	1.53m

SOCOTRA ISLAND NORTH	0834Z	04Sep2018	1.84m
AL GHAYDAH AIRPORT	0836Z	04Sep2018	1.84m
HUSWAYN	0846Z	04Sep2018	1.25m
SOCOTRA ISLAND WEST	0852Z	04Sep2018	1.54m
ALQUMRAH	0858Z	04Sep2018	1.18m
MASILAH WADI	0906Z	04Sep2018	1.03m
HARRAH	0912Z	04Sep2018	1.07m
EAST TO HAMI	0916Z	04Sep2018	0.93m
HAMI	0920Z	04Sep2018	1.25m
AL MUKALLA	0922Z	04Sep2018	1.41m
BROM MAYFA	0926Z	04Sep2018	1.24m
RUDUM	0936Z	04Sep2018	1.07m
AHWAR	0956Z	04Sep2018	0.99m
KHANFAR	1022Z	04Sep2018	1.17m
ADEN	1038Z	04Sep2018	0.92m
MA'ALLAH	1044Z	04Sep2018	1.33m
QAWAH	1100Z	04Sep2018	1.39m
AL MUALLA	1130Z	04Sep2018	1.16m

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 IOWAVE18 - NOT A REAL TSUNAMI EVENT

#####

BULLETIN 5

IDY68501

TEST TEST TEST - EXERCISE IOWAVE18 - 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 0732 UTC Tuesday 04 September 2018

... 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. EARTHQUAKE INFORMATION

IOTWMS-TSP AUSTRALIA has detected an earthquake with the following details:

Magnitude: 9.0 Mwp
Depth: 10km
Date: 04 Sep 2018
Origin Time: 0600 UTC
Latitude: 24.80N
Longitude: 58.20E
Location: Off Coast of Iran

2. EVALUATION

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

Gwadar	PAKISTAN	25.00N	62.00E	7.10m	04 Sep 06:10 UTC
Chabahar	IRAN	25.33N	60.50E	6.00m	04 Sep 06:15 UTC
Jask	IRAN	25.60N	57.77E	3.00m	04 Sep 06:20 UTC
Muscat	OMAN	23.60N	58.57E	5.50m	04 Sep 06:20 UTC
Deep Ocean Buoy 23228	ARABIAN SEA	20.80N	65.35E	0.30m	04 Sep 06:52 UTC
Deep Ocean Buoy 23226	ARABIAN SEA	20.20N	67.33E	0.26m	04 Sep 06:57 UTC
Masirah	OMAN	20.70N	58.87E	2.00m	04 Sep 07:05 UTC

Based on pre-run model scenarios, the zones listed below are
POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone, and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than 0.5m at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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		
GASCOYNE COAST	1746Z 04Sep2018	0.59m
PILBARA COAST WEST	1756Z 04Sep2018	0.57m
HEARD ISLAND AND MCDONALD ISLANDS	1936Z 04Sep2018	1.40m
AURORA BANK	1952Z 04Sep2018	0.74m
GERALDTON COAST	2324Z 04Sep2018	0.53m

BANGLADESH				
COXS BAZAR	2144Z	04Sep2018	0.58m	
KUTUBDIA ISLAND	0218Z	05Sep2018	0.54m	
BARGUNA	0218Z	05Sep2018	0.54m	
DJIBOUTI				
MUHAMMAD ALI BIN FATHA SUMANA	1106Z	04Sep2018	2.42m	
NW ARTA	1108Z	04Sep2018	2.86m	
FRANCE				
LLE SAINT-PAUL-NORTH	1630Z	04Sep2018	1.00m	
LLE SAINT-PAUL-SOUTH	1640Z	04Sep2018	0.89m	
ILE DE LA POSSESSION	1826Z	04Sep2018	0.63m	
CROZET PLATEAU	1840Z	04Sep2018	0.94m	
ILE KERGUELEN	1840Z	04Sep2018	1.47m	
INDIA				
MANDVI	0746Z	04Sep2018	3.20m	
PORBANDAR	0752Z	04Sep2018	1.84m	
DWARKA	0754Z	04Sep2018	2.69m	
JAMNAGAR	0758Z	04Sep2018	2.14m	
MANGROL	0814Z	04Sep2018	1.95m	
HAZIRA, DIU	0826Z	04Sep2018	2.03m	
MALVAN BAY	0900Z	04Sep2018	1.67m	
VASCO	0912Z	04Sep2018	1.86m	
PANAJI	0914Z	04Sep2018	1.74m	
JAIGARH	0916Z	04Sep2018	1.76m	
KARWAR	0922Z	04Sep2018	1.76m	
UDUPI	0940Z	04Sep2018	1.93m	
MANGALORE	0944Z	04Sep2018	1.62m	
KASARAGOD	0946Z	04Sep2018	1.75m	
PIPAVAV	0948Z	04Sep2018	1.74m	
MAHUVA	0952Z	04Sep2018	1.63m	
KHAMBAT	0954Z	04Sep2018	1.45m	
MAHE	0958Z	04Sep2018	2.03m	
ALLEPPEY ALAPPUZHA	0958Z	04Sep2018	1.84m	
BHARUCH	1000Z	04Sep2018	1.39m	
KANNUR	1000Z	04Sep2018	1.92m	
VADANAPPALLY	1000Z	04Sep2018	1.73m	
BEYPORE	1000Z	04Sep2018	2.04m	
COCHIN	1002Z	04Sep2018	1.64m	
VAKKAD	1002Z	04Sep2018	1.96m	
TARAPUR	1002Z	04Sep2018	1.32m	
ALIBAG PORT	1004Z	04Sep2018	1.63m	
MUMBAI	1004Z	04Sep2018	1.63m	
QUILON	1004Z	04Sep2018	1.71m	
BORSI	1010Z	04Sep2018	1.26m	
DAMAN	1010Z	04Sep2018	1.26m	
HAZIRA	1010Z	04Sep2018	1.41m	
KANYAKUMARI	1030Z	04Sep2018	1.07m	
KOODANKULAM	1102Z	04Sep2018	0.86m	
INDONESIA				
SUMUT NIAS B	1826Z	04Sep2018	0.54m	
SUMUT MANDAILING-NATAL U	1944Z	04Sep2018	0.55m	
SAKUBO	2030Z	04Sep2018	0.53m	
MURASAIBI	2032Z	04Sep2018	0.51m	
MUARASIGEP	2034Z	04Sep2018	0.57m	
JABAR SUKABUMI PELABUHAN-RATU	2044Z	04Sep2018	0.68m	
LAMPUNG LAMPUNG-SELATAN KALIANDA	0314Z	05Sep2018	0.60m	
IRAN				
PUSHT	0600Z	04Sep2018	7.88m	
BIR	0600Z	04Sep2018	12.69m	
MISKI	0640Z	04Sep2018	3.60m	
KENYA				
KIWAYU	1210Z	04Sep2018	0.69m	
MALINDI	1218Z	04Sep2018	0.85m	
KIPINI	1224Z	04Sep2018	0.79m	
MADAGASCAR				
ANOROTSANGANA	1210Z	04Sep2018	0.87m	
BALY	1302Z	04Sep2018	0.64m	
TAMPOLO	1346Z	04Sep2018	1.05m	
SAMPONA	0304Z	05Sep2018	0.56m	

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MALDIVES

KULHUDUFFUSHI	0922Z	04Sep2018	2.28m
GOIDHOO	0928Z	04Sep2018	2.12m
FERIDHOO	0940Z	04Sep2018	2.31m
NILANDHOO	0952Z	04Sep2018	1.97m
MALE	1004Z	04Sep2018	1.21m
KOLHUFUSHI	1022Z	04Sep2018	1.13m

MAURITIUS

CARGADOS CARAJOS	1322Z	04Sep2018	0.82m
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MOZAMBIQUE

NHANGAU	0422Z	05Sep2018	0.54m
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OMAN

MUSCAT	0610Z	04Sep2018	16.49m
AL KHABURAH	0614Z	04Sep2018	10.92m
QURAYYAT	0614Z	04Sep2018	13.16m
BARKA	0614Z	04Sep2018	12.14m
SUR	0622Z	04Sep2018	11.04m
SOHAR	0624Z	04Sep2018	6.42m
EAST MUSANDAM	0642Z	04Sep2018	5.07m
AD DUQM	0720Z	04Sep2018	2.29m
HASIK	0746Z	04Sep2018	1.83m

PAKISTAN

ORMARA	0600Z	04Sep2018	11.71m
WINDER	0602Z	04Sep2018	5.15m
KARACHI	0652Z	04Sep2018	4.04m
SINDH	0708Z	04Sep2018	3.30m

SEYCHELLES

FREGATE ISLAND	1036Z	04Sep2018	2.18m
TAKAMAKA	1116Z	04Sep2018	1.64m

SOMALIA

TOOXIN	0918Z	04Sep2018	1.07m
ABO	0920Z	04Sep2018	1.60m
JARIIBAN	0950Z	04Sep2018	1.14m
GALDOGOB	1000Z	04Sep2018	1.00m
KABURA	1014Z	04Sep2018	1.13m
XARARDHEERE	1018Z	04Sep2018	0.86m
BAKI	1022Z	04Sep2018	1.15m
MAREEG	1032Z	04Sep2018	0.68m
SAYLAC	1100Z	04Sep2018	1.25m
LOYADO	1108Z	04Sep2018	1.35m

TANZANIA

BAGAMOYO	1246Z	04Sep2018	0.85m
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UNITED ARAB EMIRATES

KALBA	0628Z	04Sep2018	5.09m
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YEMEN

SOCOTRA ISLAND SOUTH	0826Z	04Sep2018	1.68m
SOCOTRA ISLAND NORTH	0834Z	04Sep2018	1.84m
AL GHAYDAH AIRPORT	0836Z	04Sep2018	1.84m
HARRAH	0912Z	04Sep2018	1.07m
HAMI	0920Z	04Sep2018	1.25m
AL MUKALLA	0922Z	04Sep2018	1.41m
RUDUM	0936Z	04Sep2018	1.07m
AHWAR	0956Z	04Sep2018	0.99m
KHANFAR	1022Z	04Sep2018	1.17m
ADEN	1038Z	04Sep2018	0.92m
MA'ALLAH	1044Z	04Sep2018	1.33m
QAWAH	1100Z	04Sep2018	1.39m
AL MUALLA	1130Z	04Sep2018	1.16m

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 IOWAVE18 - NOT A REAL TSUNAMI EVENT

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BULLETIN 6

IDY68501

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#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - 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 0832 UTC Tuesday 04 September 2018  
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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. EARTHQUAKE INFORMATION

IOTWMS-TSP AUSTRALIA has detected an earthquake with the following details:

Magnitude: 9.0 Mwp
Depth: 10km
Date: 04 Sep 2018
Origin Time: 0600 UTC
Latitude: 24.80N
Longitude: 58.20E
Location: Off Coast of Iran

2. EVALUATION

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

Gwadar	PAKISTAN	25.00N	62.00E	7.10m	04 Sep 06:10 UTC
Chabahar	IRAN	25.33N	60.50E	6.00m	04 Sep 06:15 UTC
Jask	IRAN	25.60N	57.77E	3.00m	04 Sep 06:20 UTC
Muscat	OMAN	23.60N	58.57E	5.50m	04 Sep 06:20 UTC
Deep Ocean Buoy 23228	ARABIAN SEA	20.80N	65.35E	0.30m	04 Sep 06:52 UTC
Deep Ocean Buoy 23226	ARABIAN SEA	20.20N	67.33E	0.26m	04 Sep 06:57 UTC
Masirah	OMAN	20.70N	58.87E	2.00m	04 Sep 07:05 UTC

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone, and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than 0.5m at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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		
GASCOYNE COAST	1746Z 04Sep2018	0.59m
PILBARA COAST WEST	1756Z 04Sep2018	0.57m
HEARD ISLAND AND MCDONALD ISLANDS	1936Z 04Sep2018	1.40m
AURORA BANK	1952Z 04Sep2018	0.74m
GERALDTON COAST	2324Z 04Sep2018	0.53m

BANGLADESH				
COXS BAZAR	2144Z	04Sep2018	0.58m	
KUTUBDIA ISLAND	0218Z	05Sep2018	0.54m	
BARGUNA	0218Z	05Sep2018	0.54m	
DJIBOUTI				
MUHAMMAD ALI BIN FATHA SUMANA	1106Z	04Sep2018	2.42m	
NW ARTA	1108Z	04Sep2018	2.86m	
FRANCE				
LLE SAINT-PAUL-NORTH	1630Z	04Sep2018	1.00m	
LLE SAINT-PAUL-SOUTH	1640Z	04Sep2018	0.89m	
ILE DE LA POSSESSION	1826Z	04Sep2018	0.63m	
CROZET PLATEAU	1840Z	04Sep2018	0.94m	
ILE KERGUELEN	1840Z	04Sep2018	1.47m	
INDIA				
MANDVI	0746Z	04Sep2018	3.20m	
PORBANDAR	0752Z	04Sep2018	1.84m	
DWARKA	0754Z	04Sep2018	2.69m	
JAMNAGAR	0758Z	04Sep2018	2.14m	
MANGROL	0814Z	04Sep2018	1.95m	
HAZIRA, DIU	0826Z	04Sep2018	2.03m	
MALVAN BAY	0900Z	04Sep2018	1.67m	
VASCO	0912Z	04Sep2018	1.86m	
PANAJI	0914Z	04Sep2018	1.74m	
JAIGARH	0916Z	04Sep2018	1.76m	
KARWAR	0922Z	04Sep2018	1.76m	
UDUPI	0940Z	04Sep2018	1.93m	
MANGALORE	0944Z	04Sep2018	1.62m	
KASARAGOD	0946Z	04Sep2018	1.75m	
PIPAVAV	0948Z	04Sep2018	1.74m	
MAHUVA	0952Z	04Sep2018	1.63m	
KHAMBAT	0954Z	04Sep2018	1.45m	
MAHE	0958Z	04Sep2018	2.03m	
ALLEPPEY ALAPPUZHA	0958Z	04Sep2018	1.84m	
BHARUCH	1000Z	04Sep2018	1.39m	
KANNUR	1000Z	04Sep2018	1.92m	
VADANAPPALLY	1000Z	04Sep2018	1.73m	
BEYPORE	1000Z	04Sep2018	2.04m	
COCHIN	1002Z	04Sep2018	1.64m	
VAKKAD	1002Z	04Sep2018	1.96m	
TARAPUR	1002Z	04Sep2018	1.32m	
ALIBAG PORT	1004Z	04Sep2018	1.63m	
MUMBAI	1004Z	04Sep2018	1.63m	
QUILON	1004Z	04Sep2018	1.71m	
BORSI	1010Z	04Sep2018	1.26m	
DAMAN	1010Z	04Sep2018	1.26m	
HAZIRA	1010Z	04Sep2018	1.41m	
KANYAKUMARI	1030Z	04Sep2018	1.07m	
KOODANKULAM	1102Z	04Sep2018	0.86m	
INDONESIA				
SUMUT NIAS B	1826Z	04Sep2018	0.54m	
SUMUT MANDAILING-NATAL U	1944Z	04Sep2018	0.55m	
SAKUBO	2030Z	04Sep2018	0.53m	
MURASAIBI	2032Z	04Sep2018	0.51m	
MUARASIGEP	2034Z	04Sep2018	0.57m	
JABAR SUKABUMI PELABUHAN-RATU	2044Z	04Sep2018	0.68m	
LAMPUNG LAMPUNG-SELATAN KALIANDA	0314Z	05Sep2018	0.60m	
IRAN				
PUSHT	0600Z	04Sep2018	7.88m	
BIR	0600Z	04Sep2018	12.69m	
MISKI	0640Z	04Sep2018	3.60m	
KENYA				
KIWAYU	1210Z	04Sep2018	0.69m	
MALINDI	1218Z	04Sep2018	0.85m	
KIPINI	1224Z	04Sep2018	0.79m	
MADAGASCAR				
ANOROTSANGANA	1210Z	04Sep2018	0.87m	
BALY	1302Z	04Sep2018	0.64m	
TAMPOLO	1346Z	04Sep2018	1.05m	
SAMPONA	0304Z	05Sep2018	0.56m	

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MALDIVES

KULHUDUFFUSHI	0922Z	04Sep2018	2.28m
GOIDHOO	0928Z	04Sep2018	2.12m
FERIDHOO	0940Z	04Sep2018	2.31m
NILANDHOO	0952Z	04Sep2018	1.97m
MALE	1004Z	04Sep2018	1.21m
KOLHUFUSHI	1022Z	04Sep2018	1.13m

MAURITIUS

CARGADOS CARAJOS	1322Z	04Sep2018	0.82m
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MOZAMBIQUE

NHANGAU	0422Z	05Sep2018	0.54m
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OMAN

MUSCAT	0610Z	04Sep2018	16.49m
AL KHABURAH	0614Z	04Sep2018	10.92m
QURAYYAT	0614Z	04Sep2018	13.16m
BARKA	0614Z	04Sep2018	12.14m
SUR	0622Z	04Sep2018	11.04m
SOHAR	0624Z	04Sep2018	6.42m
EAST MUSANDAM	0642Z	04Sep2018	5.07m
AD DUQM	0720Z	04Sep2018	2.29m
HASIK	0746Z	04Sep2018	1.83m

PAKISTAN

ORMARA	0600Z	04Sep2018	11.71m
WINDER	0602Z	04Sep2018	5.15m
KARACHI	0652Z	04Sep2018	4.04m
SINDH	0708Z	04Sep2018	3.30m

SEYCHELLES

FREGATE ISLAND	1036Z	04Sep2018	2.18m
TAKAMAKA	1116Z	04Sep2018	1.64m

SOMALIA

TOOXIN	0918Z	04Sep2018	1.07m
ABO	0920Z	04Sep2018	1.60m
JARIIBAN	0950Z	04Sep2018	1.14m
GALDOGOB	1000Z	04Sep2018	1.00m
KABURA	1014Z	04Sep2018	1.13m
XARARDHEERE	1018Z	04Sep2018	0.86m
BAKI	1022Z	04Sep2018	1.15m
MAREEG	1032Z	04Sep2018	0.68m
SAYLAC	1100Z	04Sep2018	1.25m
LOYADO	1108Z	04Sep2018	1.35m

TANZANIA

BAGAMOYO	1246Z	04Sep2018	0.85m
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UNITED ARAB EMIRATES

KALBA	0628Z	04Sep2018	5.09m
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YEMEN

SOCOTRA ISLAND SOUTH	0826Z	04Sep2018	1.68m
SOCOTRA ISLAND NORTH	0834Z	04Sep2018	1.84m
AL GHAYDAH AIRPORT	0836Z	04Sep2018	1.84m
HARRAH	0912Z	04Sep2018	1.07m
HAMI	0920Z	04Sep2018	1.25m
AL MUKALLA	0922Z	04Sep2018	1.41m
RUDUM	0936Z	04Sep2018	1.07m
AHWAR	0956Z	04Sep2018	0.99m
KHANFAR	1022Z	04Sep2018	1.17m
ADEN	1038Z	04Sep2018	0.92m
MA'ALLAH	1044Z	04Sep2018	1.33m
QAWAH	1100Z	04Sep2018	1.39m
AL MUALLA	1130Z	04Sep2018	1.16m

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/egevents.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 IOWAVE18 - NOT A REAL TSUNAMI EVENT

#####

BULLETIN 7

IDY68501

```
#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - 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 0932 UTC Tuesday 04 September 2018  
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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. EARTHQUAKE INFORMATION

IOTWMS-TSP AUSTRALIA has detected an earthquake with the following details:

Magnitude: 9.0 Mwp
Depth: 10km
Date: 04 Sep 2018
Origin Time: 0600 UTC
Latitude: 24.80N
Longitude: 58.20E
Location: Off Coast of Iran

2. EVALUATION

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

Gwadar	PAKISTAN	25.00N	62.00E	7.10m	04 Sep 06:10 UTC
Chabahar	IRAN	25.33N	60.50E	6.00m	04 Sep 06:15 UTC
Jask	IRAN	25.60N	57.77E	3.00m	04 Sep 06:20 UTC
Muscat	OMAN	23.60N	58.57E	5.50m	04 Sep 06:20 UTC
Deep Ocean Buoy 23228	ARABIAN SEA	20.80N	65.35E	0.30m	04 Sep 06:52 UTC
Deep Ocean Buoy 23226	ARABIAN SEA	20.20N	67.33E	0.26m	04 Sep 06:57 UTC
Masirah	OMAN	20.70N	58.87E	2.00m	04 Sep 07:05 UTC
Salalah	OMAN	16.90N	54.01E	0.80m	04 Sep 08:30 UTC
Ormara	PAKISTAN	25.20N	64.07E	3.50m	04 Sep 08:40 UTC

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone, and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than 0.5m at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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		
GASCOYNE COAST	1746Z 04Sep2018	0.59m
PILBARA COAST WEST	1756Z 04Sep2018	0.57m
HEARD ISLAND AND MCDONALD ISLANDS	1936Z 04Sep2018	1.40m

AURORA BANK	1952Z	04Sep2018	0.74m
GERALDTON COAST	2324Z	04Sep2018	0.53m

BANGLADESH			
COXS BAZAR	2144Z	04Sep2018	0.58m
KUTUBDIA ISLAND	0218Z	05Sep2018	0.54m
BARGUNA	0218Z	05Sep2018	0.54m

DJIBOUTI			
MUHAMMAD ALI BIN FATHA SUMANA	1106Z	04Sep2018	2.42m
NW ARTA	1108Z	04Sep2018	2.86m

FRANCE			
LLE SAINT-PAUL-NORTH	1630Z	04Sep2018	1.00m
LLE SAINT-PAUL-SOUTH	1640Z	04Sep2018	0.89m
ILE DE LA POSSESSION	1826Z	04Sep2018	0.63m
CROZET PLATEAU	1840Z	04Sep2018	0.94m
ILE KERGUELEN	1840Z	04Sep2018	1.47m

INDIA			
MANDVI	0746Z	04Sep2018	3.20m
PORBANDAR	0752Z	04Sep2018	1.84m
DWARKA	0754Z	04Sep2018	2.69m
JAMNAGAR	0758Z	04Sep2018	2.14m
MANGROL	0814Z	04Sep2018	1.95m
HAZIRA, DIU	0826Z	04Sep2018	2.03m
MALVAN BAY	0900Z	04Sep2018	1.67m
VASCO	0912Z	04Sep2018	1.86m
PANAJI	0914Z	04Sep2018	1.74m
JAIGARH	0916Z	04Sep2018	1.76m
KARWAR	0922Z	04Sep2018	1.76m
UDUPI	0940Z	04Sep2018	1.93m
MANGALORE	0944Z	04Sep2018	1.62m
KASARAGOD	0946Z	04Sep2018	1.75m
PIPAVAV	0948Z	04Sep2018	1.74m
MAHUVA	0952Z	04Sep2018	1.63m
KHAMBAT	0954Z	04Sep2018	1.45m
MAHE	0958Z	04Sep2018	2.03m
ALLEPPEY ALAPPUZHA	0958Z	04Sep2018	1.84m
BHARUCH	1000Z	04Sep2018	1.39m
KANNUR	1000Z	04Sep2018	1.92m
VADANAPPALLY	1000Z	04Sep2018	1.73m
BEYPORE	1000Z	04Sep2018	2.04m
COCHIN	1002Z	04Sep2018	1.64m
VAKKAD	1002Z	04Sep2018	1.96m
TARAPUR	1002Z	04Sep2018	1.32m
ALIBAG PORT	1004Z	04Sep2018	1.63m
MUMBAI	1004Z	04Sep2018	1.63m
QUILON	1004Z	04Sep2018	1.71m
BORSI	1010Z	04Sep2018	1.26m
DAMAN	1010Z	04Sep2018	1.26m
HAZIRA	1010Z	04Sep2018	1.41m
KANYAKUMARI	1030Z	04Sep2018	1.07m
KOODANKULAM	1102Z	04Sep2018	0.86m

INDONESIA			
SUMUT NIAS B	1826Z	04Sep2018	0.54m
SUMUT MANDAILING-NATAL U	1944Z	04Sep2018	0.55m
SAKUBO	2030Z	04Sep2018	0.53m
MURASAIBI	2032Z	04Sep2018	0.51m
MUARASIGEP	2034Z	04Sep2018	0.57m
JABAR SUKABUMI PELABUHAN-RATU	2044Z	04Sep2018	0.68m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0314Z	05Sep2018	0.60m

IRAN			
PUSHT	0600Z	04Sep2018	7.88m
BIR	0600Z	04Sep2018	12.69m
MISKI	0640Z	04Sep2018	3.60m

KENYA			
KIWAYU	1210Z	04Sep2018	0.69m
MALINDI	1218Z	04Sep2018	0.85m
KIPINI	1224Z	04Sep2018	0.79m

MADAGASCAR			
ANOROTSANGANA	1210Z	04Sep2018	0.87m
BALY	1302Z	04Sep2018	0.64m

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TAMPOLO	1346Z	04Sep2018	1.05m
SAMPONA	0304Z	05Sep2018	0.56m

MALDIVES

KULHUUFFUSHI	0922Z	04Sep2018	2.28m
GOIDHOO	0928Z	04Sep2018	2.12m
FERIDHOO	0940Z	04Sep2018	2.31m
NILANDHOO	0952Z	04Sep2018	1.97m
MALE	1004Z	04Sep2018	1.21m
KOLHUFUSHI	1022Z	04Sep2018	1.13m

MAURITIUS

CARGADOS CARAJOS	1322Z	04Sep2018	0.82m
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MOZAMBIQUE

NHANGAU	0422Z	05Sep2018	0.54m
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OMAN

MUSCAT	0610Z	04Sep2018	16.49m
AL KHABURAH	0614Z	04Sep2018	10.92m
QURAYYAT	0614Z	04Sep2018	13.16m
BARKA	0614Z	04Sep2018	12.14m
SUR	0622Z	04Sep2018	11.04m
SOHAR	0624Z	04Sep2018	6.42m
EAST MUSANDAM	0642Z	04Sep2018	5.07m
AD DUQM	0720Z	04Sep2018	2.29m
HASIK	0746Z	04Sep2018	1.83m

PAKISTAN

ORMARA	0600Z	04Sep2018	11.71m
WINDER	0602Z	04Sep2018	5.15m
KARACHI	0652Z	04Sep2018	4.04m
SINDH	0708Z	04Sep2018	3.30m

SEYCHELLES

FREGATE ISLAND	1036Z	04Sep2018	2.18m
TAKAMAKA	1116Z	04Sep2018	1.64m

SOMALIA

TOOXIN	0918Z	04Sep2018	1.07m
ABO	0920Z	04Sep2018	1.60m
JARIIBAN	0950Z	04Sep2018	1.14m
GALDOGOB	1000Z	04Sep2018	1.00m
KABURA	1014Z	04Sep2018	1.13m
XARARDHEERE	1018Z	04Sep2018	0.86m
BAKI	1022Z	04Sep2018	1.15m
MAREEG	1032Z	04Sep2018	0.68m
SAYLAC	1100Z	04Sep2018	1.25m
LOYADO	1108Z	04Sep2018	1.35m

TANZANIA

BAGAMOYO	1246Z	04Sep2018	0.85m
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UNITED ARAB EMIRATES

KALBA	0628Z	04Sep2018	5.09m
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YEMEN

SOCOTRA ISLAND SOUTH	0826Z	04Sep2018	1.68m
SOCOTRA ISLAND NORTH	0834Z	04Sep2018	1.84m
AL GHAYDAH AIRPORT	0836Z	04Sep2018	1.84m
HARRAH	0912Z	04Sep2018	1.07m
HAMI	0920Z	04Sep2018	1.25m
AL MUKALLA	0922Z	04Sep2018	1.41m
RUDUM	0936Z	04Sep2018	1.07m
AHWAR	0956Z	04Sep2018	0.99m
KHANFAR	1022Z	04Sep2018	1.17m
ADEN	1038Z	04Sep2018	0.92m
MA'ALLAH	1044Z	04Sep2018	1.33m
QAWAH	1100Z	04Sep2018	1.39m
AL MUALLA	1130Z	04Sep2018	1.16m

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/egevents.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 IOWAVE18 - NOT A REAL TSUNAMI EVENT

#####

BULLETIN 8

IDY68501

```
#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####
```

```
-----  
TSUNAMI BULLETIN NUMBER 8 (TYPE-III CONFIRMED THREAT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 1032 UTC Tuesday 04 September 2018  
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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. EARTHQUAKE INFORMATION

IOTWMS-TSP AUSTRALIA has detected an earthquake with the following details:

Magnitude: 9.0 Mwp
Depth: 10km
Date: 04 Sep 2018
Origin Time: 0600 UTC
Latitude: 24.80N
Longitude: 58.20E
Location: Off Coast of Iran

2. EVALUATION

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

Gwadar	PAKISTAN	25.00N	62.00E	7.10m	04 Sep 06:10 UTC
Chabahar	IRAN	25.33N	60.50E	6.00m	04 Sep 06:15 UTC
Jask	IRAN	25.60N	57.77E	3.00m	04 Sep 06:20 UTC
Muscat	OMAN	23.60N	58.57E	5.50m	04 Sep 06:20 UTC
Deep Ocean Buoy 23228	ARABIAN SEA	20.80N	65.35E	0.30m	04 Sep 06:52 UTC
Deep Ocean Buoy 23226	ARABIAN SEA	20.20N	67.33E	0.26m	04 Sep 06:57 UTC
Masirah	OMAN	20.70N	58.87E	2.00m	04 Sep 07:05 UTC
Salalah	OMAN	16.90N	54.01E	0.80m	04 Sep 08:30 UTC
Ormara	PAKISTAN	25.20N	64.07E	3.50m	04 Sep 08:40 UTC
Minicoy	INDIA	8.30N	73.05E	0.40m	04 Sep 09:30 UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	0.60m	04 Sep 10:15 UTC

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone, and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than 0.5m at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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
GASCOYNE COAST

1746Z 04Sep2018 0.59m

PILBARA COAST WEST	1756Z	04Sep2018	0.57m
HEARD ISLAND AND MCDONALD ISLANDS	1936Z	04Sep2018	1.40m
AURORA BANK	1952Z	04Sep2018	0.74m
GERALDTON COAST	2324Z	04Sep2018	0.53m

BANGLADESH			
COXS BAZAR	2144Z	04Sep2018	0.58m
KUTUBDIA ISLAND	0218Z	05Sep2018	0.54m
BARGUNA	0218Z	05Sep2018	0.54m

DJIBOUTI			
MUHAMMAD ALI BIN FATHA SUMANA	1106Z	04Sep2018	2.42m
NW ARTA	1108Z	04Sep2018	2.86m

FRANCE			
LLE SAINT-PAUL-NORTH	1630Z	04Sep2018	1.00m
LLE SAINT-PAUL-SOUTH	1640Z	04Sep2018	0.89m
ILE DE LA POSSESSION	1826Z	04Sep2018	0.63m
CROZET PLATEAU	1840Z	04Sep2018	0.94m
ILE KERGUELEN	1840Z	04Sep2018	1.47m

INDIA			
MANDVI	0746Z	04Sep2018	3.20m
PORBANDAR	0752Z	04Sep2018	1.84m
DWARKA	0754Z	04Sep2018	2.69m
JAMNAGAR	0758Z	04Sep2018	2.14m
MANGROL	0814Z	04Sep2018	1.95m
HAZIRA, DIU	0826Z	04Sep2018	2.03m
MALVAN BAY	0900Z	04Sep2018	1.67m
VASCO	0912Z	04Sep2018	1.86m
PANAJI	0914Z	04Sep2018	1.74m
JAIGARH	0916Z	04Sep2018	1.76m
KARWAR	0922Z	04Sep2018	1.76m
UDUPI	0940Z	04Sep2018	1.93m
MANGALORE	0944Z	04Sep2018	1.62m
KASARAGOD	0946Z	04Sep2018	1.75m
PIPAVAV	0948Z	04Sep2018	1.74m
MAHUVA	0952Z	04Sep2018	1.63m
KHAMBAT	0954Z	04Sep2018	1.45m
MAHE	0958Z	04Sep2018	2.03m
ALLEPPEY ALAPPUZHA	0958Z	04Sep2018	1.84m
BHARUCH	1000Z	04Sep2018	1.39m
KANNUR	1000Z	04Sep2018	1.92m
VADANAPPALLY	1000Z	04Sep2018	1.73m
BEYPORE	1000Z	04Sep2018	2.04m
COCHIN	1002Z	04Sep2018	1.64m
VAKKAD	1002Z	04Sep2018	1.96m
TARAPUR	1002Z	04Sep2018	1.32m
ALIBAG PORT	1004Z	04Sep2018	1.63m
MUMBAI	1004Z	04Sep2018	1.63m
QUILON	1004Z	04Sep2018	1.71m
BORSI	1010Z	04Sep2018	1.26m
DAMAN	1010Z	04Sep2018	1.26m
HAZIRA	1010Z	04Sep2018	1.41m
KANYAKUMARI	1030Z	04Sep2018	1.07m
KODANKULAM	1102Z	04Sep2018	0.86m

INDONESIA			
SUMUT NIAS B	1826Z	04Sep2018	0.54m
SUMUT MANDAILING-NATAL U	1944Z	04Sep2018	0.55m
SAKUBO	2030Z	04Sep2018	0.53m
MURASAIBI	2032Z	04Sep2018	0.51m
MUARASIGEP	2034Z	04Sep2018	0.57m
JABAR SUKABUMI PELABUHAN-RATU	2044Z	04Sep2018	0.68m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0314Z	05Sep2018	0.60m

IRAN			
PUSHT	0600Z	04Sep2018	7.88m
BIR	0600Z	04Sep2018	12.69m
MISKI	0640Z	04Sep2018	3.60m

KENYA			
KIWAYU	1210Z	04Sep2018	0.69m
MALINDI	1218Z	04Sep2018	0.85m
KIPINI	1224Z	04Sep2018	0.79m

MADAGASCAR

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ANOROTSANGANA	1210Z	04Sep2018	0.87m
BALY	1302Z	04Sep2018	0.64m
TAMPOLO	1346Z	04Sep2018	1.05m
SAMPONA	0304Z	05Sep2018	0.56m

MALDIVES

KULHUDUFFUSHI	0922Z	04Sep2018	2.28m
GOIDHOO	0928Z	04Sep2018	2.12m
FERIDHOO	0940Z	04Sep2018	2.31m
NILANDHOO	0952Z	04Sep2018	1.97m
MALE	1004Z	04Sep2018	1.21m
KOLHUFUSHI	1022Z	04Sep2018	1.13m

MAURITIUS

CARGADOS CARAJOS	1322Z	04Sep2018	0.82m
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MOZAMBIQUE

NHANGAU	0422Z	05Sep2018	0.54m
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OMAN

MUSCAT	0610Z	04Sep2018	16.49m
AL KHABURAH	0614Z	04Sep2018	10.92m
QURAYYAT	0614Z	04Sep2018	13.16m
BARKA	0614Z	04Sep2018	12.14m
SUR	0622Z	04Sep2018	11.04m
SOHAR	0624Z	04Sep2018	6.42m
EAST MUSANDAM	0642Z	04Sep2018	5.07m
AD DUQM	0720Z	04Sep2018	2.29m
HASIK	0746Z	04Sep2018	1.83m

PAKISTAN

ORMARA	0600Z	04Sep2018	11.71m
WINDER	0602Z	04Sep2018	5.15m
KARACHI	0652Z	04Sep2018	4.04m
SINDH	0708Z	04Sep2018	3.30m

SEYCHELLES

FREGATE ISLAND	1036Z	04Sep2018	2.18m
TAKAMAKA	1116Z	04Sep2018	1.64m

SOMALIA

TOOXIN	0918Z	04Sep2018	1.07m
ABO	0920Z	04Sep2018	1.60m
JARIIBAN	0950Z	04Sep2018	1.14m
GALDOGOB	1000Z	04Sep2018	1.00m
KABURA	1014Z	04Sep2018	1.13m
XARARDHEERE	1018Z	04Sep2018	0.86m
BAKI	1022Z	04Sep2018	1.15m
MAREEG	1032Z	04Sep2018	0.68m
SAYLAC	1100Z	04Sep2018	1.25m
LOYADO	1108Z	04Sep2018	1.35m

TANZANIA

BAGAMOYO	1246Z	04Sep2018	0.85m
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UNITED ARAB EMIRATES

KALBA	0628Z	04Sep2018	5.09m
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YEMEN

SOCOTRA ISLAND SOUTH	0826Z	04Sep2018	1.68m
SOCOTRA ISLAND NORTH	0834Z	04Sep2018	1.84m
AL GHAYDAH AIRPORT	0836Z	04Sep2018	1.84m
HARRAH	0912Z	04Sep2018	1.07m
HAMI	0920Z	04Sep2018	1.25m
AL MUKALLA	0922Z	04Sep2018	1.41m
RUDUM	0936Z	04Sep2018	1.07m
AHWAR	0956Z	04Sep2018	0.99m
KHANFAR	1022Z	04Sep2018	1.17m
ADEN	1038Z	04Sep2018	0.92m
MA'ALLAH	1044Z	04Sep2018	1.33m
QAWAH	1100Z	04Sep2018	1.39m
AL MUALLA	1130Z	04Sep2018	1.16m

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 IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####
```

BULLETIN 9

IDY68501

```
#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####
```

```
-----  
TSUNAMI BULLETIN NUMBER 9 (TYPE-III CONFIRMED THREAT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 1132 UTC Tuesday 04 September 2018  
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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. EARTHQUAKE INFORMATION

IOTWMS-TSP AUSTRALIA has detected an earthquake with the following details:

Magnitude: 9.0 Mwp
Depth: 10km
Date: 04 Sep 2018
Origin Time: 0600 UTC
Latitude: 24.80N
Longitude: 58.20E
Location: Off Coast of Iran

2. EVALUATION

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

Gwadar	PAKISTAN	25.00N	62.00E	7.10m	04 Sep 06:10 UTC
Chabahar	IRAN	25.33N	60.50E	6.00m	04 Sep 06:15 UTC
Jask	IRAN	25.60N	57.77E	3.00m	04 Sep 06:20 UTC
Muscat	OMAN	23.60N	58.57E	5.50m	04 Sep 06:20 UTC
Deep Ocean Buoy 23228	ARABIAN SEA	20.80N	65.35E	0.30m	04 Sep 06:52 UTC
Deep Ocean Buoy 23226	ARABIAN SEA	20.20N	67.33E	0.26m	04 Sep 06:57 UTC
Masirah	OMAN	20.70N	58.87E	2.00m	04 Sep 07:05 UTC
Salalah	OMAN	16.90N	54.01E	0.80m	04 Sep 08:30 UTC
Ormara	PAKISTAN	25.20N	64.07E	3.50m	04 Sep 08:40 UTC
Minicoy	INDIA	8.30N	73.05E	0.40m	04 Sep 09:30 UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	0.60m	04 Sep 10:15 UTC
Gan	MALDIVES	0.70S	73.15E	0.75m	04 Sep 10:30 UTC
Aden	YEMEN	12.80N	44.97E	0.75m	04 Sep 11:00 UTC

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone, and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than 0.5m at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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			
GASCOYNE COAST	1746Z	04Sep2018	0.59m
PILBARA COAST WEST	1756Z	04Sep2018	0.57m
HEARD ISLAND AND MCDONALD ISLANDS	1936Z	04Sep2018	1.40m
AURORA BANK	1952Z	04Sep2018	0.74m
GERALDTON COAST	2324Z	04Sep2018	0.53m

BANGLADESH			
COXS BAZAR	2144Z	04Sep2018	0.58m
KUTUBDIA ISLAND	0218Z	05Sep2018	0.54m
BARGUNA	0218Z	05Sep2018	0.54m

DJIBOUTI			
MUHAMMAD ALI BIN FATHA SUMANA	1106Z	04Sep2018	2.42m
NW ARTA	1108Z	04Sep2018	2.86m

FRANCE			
LLE SAINT-PAUL-NORTH	1630Z	04Sep2018	1.00m
LLE SAINT-PAUL-SOUTH	1640Z	04Sep2018	0.89m
ILE DE LA POSSESSION	1826Z	04Sep2018	0.63m
CROZET PLATEAU	1840Z	04Sep2018	0.94m
ILE KERGUELEN	1840Z	04Sep2018	1.47m

INDIA			
MANDVI	0746Z	04Sep2018	3.20m
PORBANDAR	0752Z	04Sep2018	1.84m
DWARKA	0754Z	04Sep2018	2.69m
JAMNAGAR	0758Z	04Sep2018	2.14m
MANGROL	0814Z	04Sep2018	1.95m
HAZIRA, DIU	0826Z	04Sep2018	2.03m
MALVAN BAY	0900Z	04Sep2018	1.67m
VASCO	0912Z	04Sep2018	1.86m
PANAJI	0914Z	04Sep2018	1.74m
JAIGARH	0916Z	04Sep2018	1.76m
KARWAR	0922Z	04Sep2018	1.76m
UDUPI	0940Z	04Sep2018	1.93m
MANGALORE	0944Z	04Sep2018	1.62m
KASARAGOD	0946Z	04Sep2018	1.75m
PIPAVAV	0948Z	04Sep2018	1.74m
MAHUVA	0952Z	04Sep2018	1.63m
KHAMBAT	0954Z	04Sep2018	1.45m
MAHE	0958Z	04Sep2018	2.03m
ALLEPPEY ALAPPUZHA	0958Z	04Sep2018	1.84m
BHARUCH	1000Z	04Sep2018	1.39m
KANNUR	1000Z	04Sep2018	1.92m
VADANAPPALLY	1000Z	04Sep2018	1.73m
BEYPORE	1000Z	04Sep2018	2.04m
COCHIN	1002Z	04Sep2018	1.64m
VAKKAD	1002Z	04Sep2018	1.96m
TARAPUR	1002Z	04Sep2018	1.32m
ALIBAG PORT	1004Z	04Sep2018	1.63m
MUMBAI	1004Z	04Sep2018	1.63m
QUILON	1004Z	04Sep2018	1.71m
BORSI	1010Z	04Sep2018	1.26m
DAMAN	1010Z	04Sep2018	1.26m
HAZIRA	1010Z	04Sep2018	1.41m
KANYAKUMARI	1030Z	04Sep2018	1.07m
KOODANKULAM	1102Z	04Sep2018	0.86m

INDONESIA			
SUMUT NIAS B	1826Z	04Sep2018	0.54m
SUMUT MANDAILING-NATAL U	1944Z	04Sep2018	0.55m
SAKUBO	2030Z	04Sep2018	0.53m
MURASAIBI	2032Z	04Sep2018	0.51m
MUARASIGEP	2034Z	04Sep2018	0.57m
JABAR SUKABUMI PELABUHAN-RATU	2044Z	04Sep2018	0.68m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0314Z	05Sep2018	0.60m

IRAN			
PUSHT	0600Z	04Sep2018	7.88m
BIR	0600Z	04Sep2018	12.69m
MISKI	0640Z	04Sep2018	3.60m

KENYA			
KIWAYU	1210Z	04Sep2018	0.69m
MALINDI	1218Z	04Sep2018	0.85m
KIPINI	1224Z	04Sep2018	0.79m

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MADAGASCAR
ANOROTSANGANA 1210Z 04Sep2018 0.87m
BALY 1302Z 04Sep2018 0.64m
TAMPOLO 1346Z 04Sep2018 1.05m
SAMPONA 0304Z 05Sep2018 0.56m

MALDIVES
KULHUDDUFFUSHI 0922Z 04Sep2018 2.28m
GOIDHOO 0928Z 04Sep2018 2.12m
FERIDHOO 0940Z 04Sep2018 2.31m
NILANDHOO 0952Z 04Sep2018 1.97m
MALE 1004Z 04Sep2018 1.21m
KOLHUFUSHI 1022Z 04Sep2018 1.13m

MAURITIUS
CARGADOS CARAJOS 1322Z 04Sep2018 0.82m

MOZAMBIQUE
NHANGAU 0422Z 05Sep2018 0.54m

OMAN
MUSCAT 0610Z 04Sep2018 16.49m
AL KHABURAH 0614Z 04Sep2018 10.92m
QURAYYAT 0614Z 04Sep2018 13.16m
BARKA 0614Z 04Sep2018 12.14m
SUR 0622Z 04Sep2018 11.04m
SOHAR 0624Z 04Sep2018 6.42m
EAST MUSANDAM 0642Z 04Sep2018 5.07m
AD DUQM 0720Z 04Sep2018 2.29m
HASIK 0746Z 04Sep2018 1.83m

PAKISTAN
ORMARA 0600Z 04Sep2018 11.71m
WINDER 0602Z 04Sep2018 5.15m
KARACHI 0652Z 04Sep2018 4.04m
SINDH 0708Z 04Sep2018 3.30m

SEYCHELLES
FREGATE ISLAND 1036Z 04Sep2018 2.18m
TAKAMAKA 1116Z 04Sep2018 1.64m

SOMALIA
TOOXIN 0918Z 04Sep2018 1.07m
ABO 0920Z 04Sep2018 1.60m
JARIIBAN 0950Z 04Sep2018 1.14m
GALDOGOB 1000Z 04Sep2018 1.00m
KABURA 1014Z 04Sep2018 1.13m
XARARDHEERE 1018Z 04Sep2018 0.86m
BAKI 1022Z 04Sep2018 1.15m
MAREEG 1032Z 04Sep2018 0.68m
SAYLAC 1100Z 04Sep2018 1.25m
LOYADO 1108Z 04Sep2018 1.35m

TANZANIA
BAGAMOYO 1246Z 04Sep2018 0.85m

UNITED ARAB EMIRATES
KALBA 0628Z 04Sep2018 5.09m

YEMEN
SOCOTRA ISLAND SOUTH 0826Z 04Sep2018 1.68m
SOCOTRA ISLAND NORTH 0834Z 04Sep2018 1.84m
AL GHAYDAH AIRPORT 0836Z 04Sep2018 1.84m
HARRAH 0912Z 04Sep2018 1.07m
HAMI 0920Z 04Sep2018 1.25m
AL MUKALLA 0922Z 04Sep2018 1.41m
RUDUM 0936Z 04Sep2018 1.07m
AHWAR 0956Z 04Sep2018 0.99m
KHANFAR 1022Z 04Sep2018 1.17m
ADEN 1038Z 04Sep2018 0.92m
MA'ALLAH 1044Z 04Sep2018 1.33m
QAWAH 1100Z 04Sep2018 1.39m
AL MUALLA 1130Z 04Sep2018 1.16m

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 IOWAVE18 - NOT A REAL TSUNAMI EVENT

#####

BULLETIN 10

IDY68501

TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT

#####

TSUNAMI BULLETIN NUMBER 10 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)
ISSUED AT 1232 UTC Tuesday 04 September 2018

... 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. EARTHQUAKE INFORMATION

IOTWMS-TSP AUSTRALIA has detected an earthquake with the following details:

Magnitude: 9.0 Mwp
Depth: 10km
Date: 04 Sep 2018
Origin Time: 0600 UTC
Latitude: 24.80N
Longitude: 58.20E
Location: Off Coast of Iran

2. EVALUATION

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

Gwadar	PAKISTAN	25.00N	62.00E	7.10m	04 Sep 06:10 UTC
Chabahar	IRAN	25.33N	60.50E	6.00m	04 Sep 06:15 UTC
Muscat	OMAN	23.60N	58.57E	5.50m	04 Sep 06:20 UTC
Deep Ocean Buoy 23228	ARABIAN SEA	20.80N	65.35E	0.30m	04 Sep 06:52 UTC
Deep Ocean Buoy 23226	ARABIAN SEA	20.20N	67.33E	0.26m	04 Sep 06:57 UTC
Masirah	OMAN	20.70N	58.87E	2.00m	04 Sep 07:05 UTC
Salalah	OMAN	16.90N	54.01E	0.80m	04 Sep 08:30 UTC
Ormara	PAKISTAN	25.20N	64.07E	3.50m	04 Sep 08:40 UTC
Minicoy	INDIA	8.30N	73.05E	0.40m	04 Sep 09:30 UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	0.60m	04 Sep 10:15 UTC
Gan	MALDIVES	0.70S	73.15E	0.75m	04 Sep 10:30 UTC
Aden	YEMEN	12.80N	44.97E	0.75m	04 Sep 11:00 UTC
Colombo	SRI LANKA	7.00N	79.85E	0.40m	04 Sep 11:30 UTC
Male	MALDIVES	4.20N	73.53E	0.50m	04 Sep 11:40 UTC
Jask	IRAN	25.60N	57.77E	3.50m	04 Sep 11:50 UTC

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone, and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than 0.5m at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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			
GASCOYNE COAST	1746Z	04Sep2018	0.59m
PILBARA COAST WEST	1756Z	04Sep2018	0.57m
HEARD ISLAND AND MCDONALD ISLANDS	1936Z	04Sep2018	1.40m
AURORA BANK	1952Z	04Sep2018	0.74m
GERALDTON COAST	2324Z	04Sep2018	0.53m

BANGLADESH			
COXS BAZAR	2144Z	04Sep2018	0.58m
KUTUBDIA ISLAND	0218Z	05Sep2018	0.54m
BARGUNA	0218Z	05Sep2018	0.54m

DJIBOUTI			
MUHAMMAD ALI BIN FATHA SUMANA	1106Z	04Sep2018	2.42m
NW ARTA	1108Z	04Sep2018	2.86m

FRANCE			
LLE SAINT-PAUL-NORTH	1630Z	04Sep2018	1.00m
LLE SAINT-PAUL-SOUTH	1640Z	04Sep2018	0.89m
ILE DE LA POSSESSION	1826Z	04Sep2018	0.63m
CROZET PLATEAU	1840Z	04Sep2018	0.94m
ILE KERGUELEN	1840Z	04Sep2018	1.47m

INDIA			
MANDVI	0746Z	04Sep2018	3.20m
PORBANDAR	0752Z	04Sep2018	1.84m
DWARKA	0754Z	04Sep2018	2.69m
JAMNAGAR	0758Z	04Sep2018	2.14m
MANGROL	0814Z	04Sep2018	1.95m
HAZIRA, DIU	0826Z	04Sep2018	2.03m
MALVAN BAY	0900Z	04Sep2018	1.67m
VASCO	0912Z	04Sep2018	1.86m
PANAJI	0914Z	04Sep2018	1.74m
JAIGARH	0916Z	04Sep2018	1.76m
KARWAR	0922Z	04Sep2018	1.76m
UDUPI	0940Z	04Sep2018	1.93m
MANGALORE	0944Z	04Sep2018	1.62m
KASARAGOD	0946Z	04Sep2018	1.75m
PIPAVAV	0948Z	04Sep2018	1.74m
MAHUA	0952Z	04Sep2018	1.63m
KHAMBAT	0954Z	04Sep2018	1.45m
MAHE	0958Z	04Sep2018	2.03m
ALLEPPEY ALAPPUZHA	0958Z	04Sep2018	1.84m
BHARUCH	1000Z	04Sep2018	1.39m
KANNUR	1000Z	04Sep2018	1.92m
VADANAPPALLY	1000Z	04Sep2018	1.73m
BEYPORE	1000Z	04Sep2018	2.04m
COCHIN	1002Z	04Sep2018	1.64m
VAKKAD	1002Z	04Sep2018	1.96m
TARAPUR	1002Z	04Sep2018	1.32m
ALIBAG PORT	1004Z	04Sep2018	1.63m
MUMBAI	1004Z	04Sep2018	1.63m
QUILON	1004Z	04Sep2018	1.71m
BORSI	1010Z	04Sep2018	1.26m
DAMAN	1010Z	04Sep2018	1.26m
HAZIRA	1010Z	04Sep2018	1.41m
KANYAKUMARI	1030Z	04Sep2018	1.07m
KOODANKULAM	1102Z	04Sep2018	0.86m

INDONESIA			
SUMUT NIAS B	1826Z	04Sep2018	0.54m
SUMUT MANDAILING-NATAL U	1944Z	04Sep2018	0.55m
SAKUBO	2030Z	04Sep2018	0.53m
MURASAIBI	2032Z	04Sep2018	0.51m
MUARASIGEP	2034Z	04Sep2018	0.57m
JABAR SUKABUMI PELABUHAN-RATU	2044Z	04Sep2018	0.68m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0314Z	05Sep2018	0.60m

IRAN			
PUSHT	0600Z	04Sep2018	7.88m
BIR	0600Z	04Sep2018	12.69m
MISKI	0640Z	04Sep2018	3.60m

KENYA			
KIWAYU	1210Z	04Sep2018	0.69m

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MALINDI 1218Z 04Sep2018 0.85m
KIPINI 1224Z 04Sep2018 0.79m

MADAGASCAR
ANOROTSANGANA 1210Z 04Sep2018 0.87m
BALY 1302Z 04Sep2018 0.64m
TAMPOLO 1346Z 04Sep2018 1.05m
SAMPONA 0304Z 05Sep2018 0.56m

MALDIVES
KULHUDUFFUSHI 0922Z 04Sep2018 2.28m
GOIDHOO 0928Z 04Sep2018 2.12m
FERIDHOO 0940Z 04Sep2018 2.31m
NILANDHOO 0952Z 04Sep2018 1.97m
MALE 1004Z 04Sep2018 1.21m
KOLHUFUSHI 1022Z 04Sep2018 1.13m

MAURITIUS
CARGADOS CARAJOS 1322Z 04Sep2018 0.82m

MOZAMBIQUE
NHANGAU 0422Z 05Sep2018 0.54m

OMAN
MUSCAT 0610Z 04Sep2018 16.49m
AL KHABURAH 0614Z 04Sep2018 10.92m
QURAYYAT 0614Z 04Sep2018 13.16m
BARKA 0614Z 04Sep2018 12.14m
SUR 0622Z 04Sep2018 11.04m
SOHAR 0624Z 04Sep2018 6.42m
EAST MUSANDAM 0642Z 04Sep2018 5.07m
AD DUQM 0720Z 04Sep2018 2.29m
HASIK 0746Z 04Sep2018 1.83m

PAKISTAN
ORMARA 0600Z 04Sep2018 11.71m
WINDER 0602Z 04Sep2018 5.15m
KARACHI 0652Z 04Sep2018 4.04m
SINDH 0708Z 04Sep2018 3.30m

SEYCHELLES
FREGATE ISLAND 1036Z 04Sep2018 2.18m
TAKAMAKA 1116Z 04Sep2018 1.64m

SOMALIA
TOOXIN 0918Z 04Sep2018 1.07m
ABO 0920Z 04Sep2018 1.60m
JARIIBAN 0950Z 04Sep2018 1.14m
GALDOGOB 1000Z 04Sep2018 1.00m
KABURA 1014Z 04Sep2018 1.13m
XARARDHEERE 1018Z 04Sep2018 0.86m
BAKI 1022Z 04Sep2018 1.15m
MAREEG 1032Z 04Sep2018 0.68m
SAYLAC 1100Z 04Sep2018 1.25m
LOYADO 1108Z 04Sep2018 1.35m

TANZANIA
BAGAMOYO 1246Z 04Sep2018 0.85m

UNITED ARAB EMIRATES
KALBA 0628Z 04Sep2018 5.09m

YEMEN
SOCOTRA ISLAND SOUTH 0826Z 04Sep2018 1.68m
SOCOTRA ISLAND NORTH 0834Z 04Sep2018 1.84m
AL GHAYDAH AIRPORT 0836Z 04Sep2018 1.84m
HARRAH 0912Z 04Sep2018 1.07m
HAMI 0920Z 04Sep2018 1.25m
AL MUKALLA 0922Z 04Sep2018 1.41m
RUDUM 0936Z 04Sep2018 1.07m
AHWAR 0956Z 04Sep2018 0.99m
KHANFAR 1022Z 04Sep2018 1.17m
ADEN 1038Z 04Sep2018 0.92m
MA'ALLAH 1044Z 04Sep2018 1.33m
QAWAH 1100Z 04Sep2018 1.39m
AL MUALLA 1130Z 04Sep2018 1.16m

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/egevents.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 IOWAVE18 - NOT A REAL TSUNAMI EVENT

#####

BULLETIN 11

IDY68501

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#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - 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 1332 UTC Tuesday 04 September 2018  
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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. EARTHQUAKE INFORMATION

IOTWMS-TSP AUSTRALIA has detected an earthquake with the following details:

Magnitude: 9.0 Mwp
Depth: 10km
Date: 04 Sep 2018
Origin Time: 0600 UTC
Latitude: 24.80N
Longitude: 58.20E
Location: Off Coast of Iran

2. EVALUATION

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

Gwadar	PAKISTAN	25.00N	62.00E	7.10m	04 Sep 06:10 UTC
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Deep Ocean Buoy 23228	ARABIAN SEA	20.80N	65.35E	0.30m	04 Sep 06:52 UTC
Deep Ocean Buoy 23226	ARABIAN SEA	20.20N	67.33E	0.26m	04 Sep 06:57 UTC
Masirah	OMAN	20.70N	58.87E	2.00m	04 Sep 07:05 UTC
Salalah	OMAN	16.90N	54.01E	0.80m	04 Sep 08:30 UTC
Ormara	PAKISTAN	25.20N	64.07E	3.50m	04 Sep 08:40 UTC
Minicoy	INDIA	8.30N	73.05E	0.40m	04 Sep 09:30 UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	0.60m	04 Sep 10:15 UTC
Gan	MALDIVES	0.70S	73.15E	0.75m	04 Sep 10:30 UTC
Aden	YEMEN	12.80N	44.97E	0.75m	04 Sep 11:00 UTC
Colombo	SRI LANKA	7.00N	79.85E	0.40m	04 Sep 11:30 UTC
Male	MALDIVES	4.20N	73.53E	0.50m	04 Sep 11:40 UTC
Jask	IRAN	25.60N	57.77E	3.50m	04 Sep 11:50 UTC
Karachi	PAKISTAN	24.83N	66.83E	1.90m	04 Sep 13:00 UTC
Mombasa	KENYA	4.10S	39.65E	0.30m	04 Sep 13:20 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	0.55m	04 Sep 13:25 UTC

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone, and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than 0.5m at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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			
GASCOYNE COAST	1746Z	04Sep2018	0.59m
PILBARA COAST WEST	1756Z	04Sep2018	0.57m
HEARD ISLAND AND MCDONALD ISLANDS	1936Z	04Sep2018	1.40m
AURORA BANK	1952Z	04Sep2018	0.74m
GERALDTON COAST	2324Z	04Sep2018	0.53m

BANGLADESH			
COXS BAZAR	2144Z	04Sep2018	0.58m
KUTUBDIA ISLAND	0218Z	05Sep2018	0.54m
BARGUNA	0218Z	05Sep2018	0.54m

DJIBOUTI			
MUHAMMAD ALI BIN FATHA SUMANA	1106Z	04Sep2018	2.42m
NW ARTA	1108Z	04Sep2018	2.86m

FRANCE			
LLE SAINT-PAUL-NORTH	1630Z	04Sep2018	1.00m
LLE SAINT-PAUL-SOUTH	1640Z	04Sep2018	0.89m
ILE DE LA POSSESSION	1826Z	04Sep2018	0.63m
CROZET PLATEAU	1840Z	04Sep2018	0.94m
ILE KERGUELEN	1840Z	04Sep2018	1.47m

INDIA			
MANDVI	0746Z	04Sep2018	3.20m
PORBANDAR	0752Z	04Sep2018	1.84m
DWARKA	0754Z	04Sep2018	2.69m
JAMNAGAR	0758Z	04Sep2018	2.14m
MANGROL	0814Z	04Sep2018	1.95m
HAZIRA, DIU	0826Z	04Sep2018	2.03m
MALVAN BAY	0900Z	04Sep2018	1.67m
VASCO	0912Z	04Sep2018	1.86m
PANAJI	0914Z	04Sep2018	1.74m
JAIGARH	0916Z	04Sep2018	1.76m
KARWAR	0922Z	04Sep2018	1.76m
UDUPI	0940Z	04Sep2018	1.93m
MANGALORE	0944Z	04Sep2018	1.62m
KASARAGOD	0946Z	04Sep2018	1.75m
PIPAVAV	0948Z	04Sep2018	1.74m
MAHUVA	0952Z	04Sep2018	1.63m
KHAMBAT	0954Z	04Sep2018	1.45m
MAHE	0958Z	04Sep2018	2.03m
ALLEPPEY ALAPPUZHA	0958Z	04Sep2018	1.84m
BHARUCH	1000Z	04Sep2018	1.39m
KANNUR	1000Z	04Sep2018	1.92m
VADANAPPALLY	1000Z	04Sep2018	1.73m
BEYPORE	1000Z	04Sep2018	2.04m
COCHIN	1002Z	04Sep2018	1.64m
VAKKAD	1002Z	04Sep2018	1.96m
TARAPUR	1002Z	04Sep2018	1.32m
ALIBAG PORT	1004Z	04Sep2018	1.63m
MUMBAI	1004Z	04Sep2018	1.63m
QUILON	1004Z	04Sep2018	1.71m
BORSI	1010Z	04Sep2018	1.26m
DAMAN	1010Z	04Sep2018	1.26m
HAZIRA	1010Z	04Sep2018	1.41m
KANYAKUMARI	1030Z	04Sep2018	1.07m
KOODANKULAM	1102Z	04Sep2018	0.86m

INDONESIA			
SUMUT NIAS B	1826Z	04Sep2018	0.54m
SUMUT MANDAILING-NATAL U	1944Z	04Sep2018	0.55m
SAKUBO	2030Z	04Sep2018	0.53m
MURASAIBI	2032Z	04Sep2018	0.51m
MUARASIGEP	2034Z	04Sep2018	0.57m
JABAR SUKABUMI PELABUHAN-RATU	2044Z	04Sep2018	0.68m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0314Z	05Sep2018	0.60m

IRAN			
PUSHT	0600Z	04Sep2018	7.88m
BIR	0600Z	04Sep2018	12.69m
MISKI	0640Z	04Sep2018	3.60m

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page 42

KENYA

KIWAYU	1210Z	04Sep2018	0.69m
MALINDI	1218Z	04Sep2018	0.85m
KIPINI	1224Z	04Sep2018	0.79m

MADAGASCAR

ANOROTSANGANA	1210Z	04Sep2018	0.87m
BALY	1302Z	04Sep2018	0.64m
TAMPOLO	1346Z	04Sep2018	1.05m
SAMPONA	0304Z	05Sep2018	0.56m

MALDIVES

KULHUDUFFUSHI	0922Z	04Sep2018	2.28m
GOIDHOO	0928Z	04Sep2018	2.12m
FERIDHOO	0940Z	04Sep2018	2.31m
NILANDHOO	0952Z	04Sep2018	1.97m
MALE	1004Z	04Sep2018	1.21m
KOLHUFUSHI	1022Z	04Sep2018	1.13m

MAURITIUS

CARGADOS CARAJOS	1322Z	04Sep2018	0.82m
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MOZAMBIQUE

NHANGAU	0422Z	05Sep2018	0.54m
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OMAN

MUSCAT	0610Z	04Sep2018	16.49m
AL KHABURAH	0614Z	04Sep2018	10.92m
QURAYYAT	0614Z	04Sep2018	13.16m
BARKA	0614Z	04Sep2018	12.14m
SUR	0622Z	04Sep2018	11.04m
SOHAR	0624Z	04Sep2018	6.42m
EAST MUSANDAM	0642Z	04Sep2018	5.07m
AD DUQM	0720Z	04Sep2018	2.29m
HASIK	0746Z	04Sep2018	1.83m

PAKISTAN

ORMARA	0600Z	04Sep2018	11.71m
WINDER	0602Z	04Sep2018	5.15m
KARACHI	0652Z	04Sep2018	4.04m
SINDH	0708Z	04Sep2018	3.30m

SEYCHELLES

FREGATE ISLAND	1036Z	04Sep2018	2.18m
TAKAMAKA	1116Z	04Sep2018	1.64m

SOMALIA

TOOXIN	0918Z	04Sep2018	1.07m
ABO	0920Z	04Sep2018	1.60m
JARIIBAN	0950Z	04Sep2018	1.14m
GALDOGOB	1000Z	04Sep2018	1.00m
KABURA	1014Z	04Sep2018	1.13m
XARARDHEERE	1018Z	04Sep2018	0.86m
BAKI	1022Z	04Sep2018	1.15m
MAREEG	1032Z	04Sep2018	0.68m
SAYLAC	1100Z	04Sep2018	1.25m
LOYADO	1108Z	04Sep2018	1.35m

TANZANIA

BAGAMOYO	1246Z	04Sep2018	0.85m
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UNITED ARAB EMIRATES

KALBA	0628Z	04Sep2018	5.09m
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YEMEN

SOCOTRA ISLAND SOUTH	0826Z	04Sep2018	1.68m
SOCOTRA ISLAND NORTH	0834Z	04Sep2018	1.84m
AL GHAYDAH AIRPORT	0836Z	04Sep2018	1.84m
HARRAH	0912Z	04Sep2018	1.07m
HAMI	0920Z	04Sep2018	1.25m
AL MUKALLA	0922Z	04Sep2018	1.41m
RUDUM	0936Z	04Sep2018	1.07m
AHWAR	0956Z	04Sep2018	0.99m
KHANFAR	1022Z	04Sep2018	1.17m
ADEN	1038Z	04Sep2018	0.92m

MA'ALLAH	1044Z 04Sep2018	1.33m
QAWAH	1100Z 04Sep2018	1.39m
AL MUALLA	1130Z 04Sep2018	1.16m

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 IOWAVE18 - NOT A REAL TSUNAMI EVENT

#####

BULLETIN 12

IDY68501

```
#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - 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 1432 UTC Tuesday 04 September 2018  
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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. EARTHQUAKE INFORMATION

IOTWMS-TSP AUSTRALIA has detected an earthquake with the following details:

Magnitude: 9.0 Mwp
Depth: 10km
Date: 04 Sep 2018
Origin Time: 0600 UTC
Latitude: 24.80N
Longitude: 58.20E
Location: Off Coast of Iran

2. EVALUATION

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

Gwadar	PAKISTAN	25.00N	62.00E	7.10m	04 Sep 06:10 UTC
Chabahar	IRAN	25.33N	60.50E	6.00m	04 Sep 06:15 UTC
Muscat	OMAN	23.60N	58.57E	5.50m	04 Sep 06:20 UTC
Deep Ocean Buoy 23228	ARABIAN SEA	20.80N	65.35E	0.30m	04 Sep 06:52 UTC
Deep Ocean Buoy 23226	ARABIAN SEA	20.20N	67.33E	0.26m	04 Sep 06:57 UTC
Masirah	OMAN	20.70N	58.87E	2.00m	04 Sep 07:05 UTC
Salalah	OMAN	16.90N	54.01E	0.80m	04 Sep 08:30 UTC
Ormara	PAKISTAN	25.20N	64.07E	3.50m	04 Sep 08:40 UTC
Minicoy	INDIA	8.30N	73.05E	0.40m	04 Sep 09:30 UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	0.60m	04 Sep 10:15 UTC
Gan	MALDIVES	0.70S	73.15E	0.75m	04 Sep 10:30 UTC
Aden	YEMEN	12.80N	44.97E	0.75m	04 Sep 11:00 UTC
Colombo	SRI LANKA	7.00N	79.85E	0.40m	04 Sep 11:30 UTC
Male	MALDIVES	4.20N	73.53E	0.50m	04 Sep 11:40 UTC
Jask	IRAN	25.60N	57.77E	3.50m	04 Sep 11:50 UTC
Karachi	PAKISTAN	24.83N	66.83E	1.90m	04 Sep 13:00 UTC
Mombasa	KENYA	4.10S	39.65E	0.30m	04 Sep 13:20 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	0.55m	04 Sep 13:25 UTC
Deep Ocean Buoy 23401	NICOBAR ISLA	8.90N	88.50E	0.02m	04 Sep 13:27 UTC
Sainte Marie	REUNION	20.90S	55.54E	0.60m	04 Sep 13:30 UTC
Pointe des Galets	REUNION ISLA	20.90S	55.28E	0.50m	04 Sep 13:30 UTC
Cocos Island	AUSTRALIA	12.10S	96.89E	0.30m	04 Sep 14:20 UTC

Based on pre-run model scenarios, the zones listed below are
POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone, and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than 0.5m at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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

GASCOYNE COAST	1746Z	04Sep2018	0.59m
PILBARA COAST WEST	1756Z	04Sep2018	0.57m
HEARD ISLAND AND MCDONALD ISLANDS	1936Z	04Sep2018	1.40m
AURORA BANK	1952Z	04Sep2018	0.74m
GERALDTON COAST	2324Z	04Sep2018	0.53m

BANGLADESH

COXS BAZAR	2144Z	04Sep2018	0.58m
KUTUBDIA ISLAND	0218Z	05Sep2018	0.54m
BARGUNA	0218Z	05Sep2018	0.54m

DJIBOUTI

MUHAMMAD ALI BIN FATHA SUMANA	1106Z	04Sep2018	2.42m
NW ARTA	1108Z	04Sep2018	2.86m

FRANCE

LLE SAINT-PAUL-NORTH	1630Z	04Sep2018	1.00m
LLE SAINT-PAUL-SOUTH	1640Z	04Sep2018	0.89m
ILE DE LA POSSESSION	1826Z	04Sep2018	0.63m
CROZET PLATEAU	1840Z	04Sep2018	0.94m
ILE KERGUELEN	1840Z	04Sep2018	1.47m

INDIA

MANDVI	0746Z	04Sep2018	3.20m
PORBANDAR	0752Z	04Sep2018	1.84m
DWARKA	0754Z	04Sep2018	2.69m
JAMNAGAR	0758Z	04Sep2018	2.14m
MANGROL	0814Z	04Sep2018	1.95m
HAZIRA, DIU	0826Z	04Sep2018	2.03m
MALVAN BAY	0900Z	04Sep2018	1.67m
VASCO	0912Z	04Sep2018	1.86m
PANAJI	0914Z	04Sep2018	1.74m
JAIGARH	0916Z	04Sep2018	1.76m
KARWAR	0922Z	04Sep2018	1.76m
UDUPI	0940Z	04Sep2018	1.93m
MANGALORE	0944Z	04Sep2018	1.62m
KASARAGOD	0946Z	04Sep2018	1.75m
PIPAVAV	0948Z	04Sep2018	1.74m
MAHUVA	0952Z	04Sep2018	1.63m
KHAMBAT	0954Z	04Sep2018	1.45m
MAHE	0958Z	04Sep2018	2.03m
ALLEPPEY ALAPPUZHA	0958Z	04Sep2018	1.84m
BHARUCH	1000Z	04Sep2018	1.39m
KANNUR	1000Z	04Sep2018	1.92m
VADANAPPALLY	1000Z	04Sep2018	1.73m
BEYPORE	1000Z	04Sep2018	2.04m
COCHIN	1002Z	04Sep2018	1.64m
VAKKAD	1002Z	04Sep2018	1.96m
TARAPUR	1002Z	04Sep2018	1.32m
ALIBAG PORT	1004Z	04Sep2018	1.63m
MUMBAI	1004Z	04Sep2018	1.63m
QUILON	1004Z	04Sep2018	1.71m
BORSI	1010Z	04Sep2018	1.26m
DAMAN	1010Z	04Sep2018	1.26m
HAZIRA	1010Z	04Sep2018	1.41m
KANYAKUMARI	1030Z	04Sep2018	1.07m
KOODANKULAM	1102Z	04Sep2018	0.86m

INDONESIA

SUMUT NIAS B	1826Z	04Sep2018	0.54m
SUMUT MANDAILING-NATAL U	1944Z	04Sep2018	0.55m
SAKUBO	2030Z	04Sep2018	0.53m
MURASAIBI	2032Z	04Sep2018	0.51m
MUARASIGEP	2034Z	04Sep2018	0.57m
JABAR SUKABUMI PELABUHAN-RATU	2044Z	04Sep2018	0.68m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0314Z	05Sep2018	0.60m

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IRAN

PUSHT 0600Z 04Sep2018 7.88m
BIR 0600Z 04Sep2018 12.69m
MISKI 0640Z 04Sep2018 3.60m

KENYA

KIWAYU 1210Z 04Sep2018 0.69m
MALINDI 1218Z 04Sep2018 0.85m
KIPINI 1224Z 04Sep2018 0.79m

MADAGASCAR

ANOROTSANGANA 1210Z 04Sep2018 0.87m
BALY 1302Z 04Sep2018 0.64m
TAMPOLO 1346Z 04Sep2018 1.05m
SAMPONA 0304Z 05Sep2018 0.56m

MALDIVES

KULHUDUFFUSHI 0922Z 04Sep2018 2.28m
GOIDHOO 0928Z 04Sep2018 2.12m
FERIDHOO 0940Z 04Sep2018 2.31m
NILANDHOO 0952Z 04Sep2018 1.97m
MALE 1004Z 04Sep2018 1.21m
KOLHUFUSHI 1022Z 04Sep2018 1.13m

MAURITIUS

CARGADOS CARAJOS 1322Z 04Sep2018 0.82m

MOZAMBIQUE

NHANGAU 0422Z 05Sep2018 0.54m

OMAN

MUSCAT 0610Z 04Sep2018 16.49m
AL KHABURAH 0614Z 04Sep2018 10.92m
QURAYYAT 0614Z 04Sep2018 13.16m
BARKA 0614Z 04Sep2018 12.14m
SUR 0622Z 04Sep2018 11.04m
SOHAR 0624Z 04Sep2018 6.42m
EAST MUSANDAM 0642Z 04Sep2018 5.07m
AD DUQM 0720Z 04Sep2018 2.29m
HASIK 0746Z 04Sep2018 1.83m

PAKISTAN

ORMARA 0600Z 04Sep2018 11.71m
WINDER 0602Z 04Sep2018 5.15m
KARACHI 0652Z 04Sep2018 4.04m
SINDH 0708Z 04Sep2018 3.30m

SEYCHELLES

FREGATE ISLAND 1036Z 04Sep2018 2.18m
TAKAMAKA 1116Z 04Sep2018 1.64m

SOMALIA

TOOXIN 0918Z 04Sep2018 1.07m
ABO 0920Z 04Sep2018 1.60m
JARIIBAN 0950Z 04Sep2018 1.14m
GALDOGOB 1000Z 04Sep2018 1.00m
KABURA 1014Z 04Sep2018 1.13m
XARARDHEERE 1018Z 04Sep2018 0.86m
BAKI 1022Z 04Sep2018 1.15m
MAREEG 1032Z 04Sep2018 0.68m
SAYLAC 1100Z 04Sep2018 1.25m
LOYADO 1108Z 04Sep2018 1.35m

TANZANIA

BAGAMOYO 1246Z 04Sep2018 0.85m

UNITED ARAB EMIRATES

KALBA 0628Z 04Sep2018 5.09m

YEMEN

SOCOTRA ISLAND SOUTH 0826Z 04Sep2018 1.68m
SOCOTRA ISLAND NORTH 0834Z 04Sep2018 1.84m
AL GHAYDAH AIRPORT 0836Z 04Sep2018 1.84m
HARRAH 0912Z 04Sep2018 1.07m
HAMI 0920Z 04Sep2018 1.25m
AL MUKALLA 0922Z 04Sep2018 1.41m

RUDUM	0936Z 04Sep2018	1.07m
AHWAR	0956Z 04Sep2018	0.99m
KHANFAR	1022Z 04Sep2018	1.17m
ADEN	1038Z 04Sep2018	0.92m
MA'ALLAH	1044Z 04Sep2018	1.33m
QAWAH	1100Z 04Sep2018	1.39m
AL MUALLA	1130Z 04Sep2018	1.16m

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 IOWAVE18 - NOT A REAL TSUNAMI EVENT

#####

BULLETIN 13

IDY68501

```
#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####
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TSUNAMI BULLETIN NUMBER 13 (TYPE-III CONFIRMED THREAT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 1532 UTC Tuesday 04 September 2018  
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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. EARTHQUAKE INFORMATION

IOTWMS-TSP AUSTRALIA has detected an earthquake with the following details:

Magnitude: 9.0 Mwp
Depth: 10km
Date: 04 Sep 2018
Origin Time: 0600 UTC
Latitude: 24.80N
Longitude: 58.20E
Location: Off Coast of Iran

2. EVALUATION

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

Gwadar	PAKISTAN	25.00N	62.00E	7.10m	04 Sep 06:10 UTC
Chabahar	IRAN	25.33N	60.50E	6.00m	04 Sep 06:15 UTC
Muscat	OMAN	23.60N	58.57E	5.50m	04 Sep 06:20 UTC
Deep Ocean Buoy 23228	ARABIAN SEA	20.80N	65.35E	0.30m	04 Sep 06:52 UTC
Deep Ocean Buoy 23226	ARABIAN SEA	20.20N	67.33E	0.26m	04 Sep 06:57 UTC
Masirah	OMAN	20.70N	58.87E	2.00m	04 Sep 07:05 UTC
Salalah	OMAN	16.90N	54.01E	0.80m	04 Sep 08:30 UTC
Ormara	PAKISTAN	25.20N	64.07E	3.50m	04 Sep 08:40 UTC
Minicoy	INDIA	8.30N	73.05E	0.40m	04 Sep 09:30 UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	0.60m	04 Sep 10:15 UTC
Gan	MALDIVES	0.70S	73.15E	0.75m	04 Sep 10:30 UTC
Aden	YEMEN	12.80N	44.97E	0.75m	04 Sep 11:00 UTC
Colombo	SRI LANKA	7.00N	79.85E	0.40m	04 Sep 11:30 UTC
Male	MALDIVES	4.20N	73.53E	0.50m	04 Sep 11:40 UTC
Jask	IRAN	25.60N	57.77E	3.50m	04 Sep 11:50 UTC
Karachi	PAKISTAN	24.83N	66.83E	1.90m	04 Sep 13:00 UTC
Mombasa	KENYA	4.10S	39.65E	0.30m	04 Sep 13:20 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	0.55m	04 Sep 13:25 UTC
Deep Ocean Buoy 23401	NICOBAR ISLA	8.90N	88.50E	0.02m	04 Sep 13:27 UTC
Sainte Marie	REUNION	20.90S	55.54E	0.60m	04 Sep 13:30 UTC
Pointe des Galets	REUNION ISLA	20.90S	55.28E	0.50m	04 Sep 13:30 UTC
Cocos Island	AUSTRALIA	12.10S	96.89E	0.30m	04 Sep 14:20 UTC
Rodrigues	MAURITIUS	19.70S	63.42E	0.60m	04 Sep 14:40 UTC
Seblat	INDONESIA	3.17S	101.50E	0.20m	04 Sep 14:45 UTC
Christmas Island	AUSTRALIA	10.40S	105.67E	0.30m	04 Sep 15:25 UTC

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone, and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than 0.5m at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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

GASCOYNE COAST	1746Z	04Sep2018	0.59m
PILBARA COAST WEST	1756Z	04Sep2018	0.57m
HEARD ISLAND AND MCDONALD ISLANDS	1936Z	04Sep2018	1.40m
AURORA BANK	1952Z	04Sep2018	0.74m
GERALDTON COAST	2324Z	04Sep2018	0.53m

BANGLADESH

COXS BAZAR	2144Z	04Sep2018	0.58m
KUTUBDIA ISLAND	0218Z	05Sep2018	0.54m
BARGUNA	0218Z	05Sep2018	0.54m

DJIBOUTI

MUHAMMAD ALI BIN FATHA SUMANA	1106Z	04Sep2018	2.42m
NW ARTA	1108Z	04Sep2018	2.86m

FRANCE

LLE SAINT-PAUL-NORTH	1630Z	04Sep2018	1.00m
LLE SAINT-PAUL-SOUTH	1640Z	04Sep2018	0.89m
ILE DE LA POSSESSION	1826Z	04Sep2018	0.63m
CROZET PLATEAU	1840Z	04Sep2018	0.94m
ILE KERGUELEN	1840Z	04Sep2018	1.47m

INDIA

MANDVI	0746Z	04Sep2018	3.20m
PORBANDAR	0752Z	04Sep2018	1.84m
DWARKA	0754Z	04Sep2018	2.69m
JAMNAGAR	0758Z	04Sep2018	2.14m
MANGROL	0814Z	04Sep2018	1.95m
HAZIRA, DIU	0826Z	04Sep2018	2.03m
MALVAN BAY	0900Z	04Sep2018	1.67m
VASCO	0912Z	04Sep2018	1.86m
PANAJI	0914Z	04Sep2018	1.74m
JAIGARH	0916Z	04Sep2018	1.76m
KARWAR	0922Z	04Sep2018	1.76m
UDUPI	0940Z	04Sep2018	1.93m
MANGALORE	0944Z	04Sep2018	1.62m
KASARAGOD	0946Z	04Sep2018	1.75m
PIPAVAV	0948Z	04Sep2018	1.74m
MAHUVA	0952Z	04Sep2018	1.63m
KHAMBAT	0954Z	04Sep2018	1.45m
MAHE	0958Z	04Sep2018	2.03m
ALLEPPEY ALAPPUZHA	0958Z	04Sep2018	1.84m
BHARUCH	1000Z	04Sep2018	1.39m
KANNUR	1000Z	04Sep2018	1.92m
VADANAPPALLY	1000Z	04Sep2018	1.73m
BEYPORE	1000Z	04Sep2018	2.04m
COCHIN	1002Z	04Sep2018	1.64m
VAKKAD	1002Z	04Sep2018	1.96m
TARAPUR	1002Z	04Sep2018	1.32m
ALIBAG PORT	1004Z	04Sep2018	1.63m
MUMBAI	1004Z	04Sep2018	1.63m
QUILON	1004Z	04Sep2018	1.71m
BORSI	1010Z	04Sep2018	1.26m
DAMAN	1010Z	04Sep2018	1.26m
HAZIRA	1010Z	04Sep2018	1.41m
KANYAKUMARI	1030Z	04Sep2018	1.07m
KOODANKULAM	1102Z	04Sep2018	0.86m

INDONESIA

SUMUT NIAS B	1826Z	04Sep2018	0.54m
SUMUT MANDAILING-NATAL U	1944Z	04Sep2018	0.55m
SAKUBO	2030Z	04Sep2018	0.53m
MURASAIBI	2032Z	04Sep2018	0.51m
MURASIGEP	2034Z	04Sep2018	0.57m

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JABAR SUKABUMI PELABUHAN-RATU 2044Z 04Sep2018 0.68m
LAMPUNG LAMPUNG-SELATAN KALIANDA 0314Z 05Sep2018 0.60m

IRAN

PUSHT 0600Z 04Sep2018 7.88m
BIR 0600Z 04Sep2018 12.69m
MISKI 0640Z 04Sep2018 3.60m

KENYA

KIWAYU 1210Z 04Sep2018 0.69m
MALINDI 1218Z 04Sep2018 0.85m
KIPINI 1224Z 04Sep2018 0.79m

MADAGASCAR

ANOROTSANGANA 1210Z 04Sep2018 0.87m
BALY 1302Z 04Sep2018 0.64m
TAMPOLO 1346Z 04Sep2018 1.05m
SAMPONA 0304Z 05Sep2018 0.56m

MALDIVES

KULHUDUFFUSHI 0922Z 04Sep2018 2.28m
GOIDHOO 0928Z 04Sep2018 2.12m
FERIDHOO 0940Z 04Sep2018 2.31m
NILANDHOO 0952Z 04Sep2018 1.97m
MALE 1004Z 04Sep2018 1.21m
KOLHUFUSHI 1022Z 04Sep2018 1.13m

MAURITIUS

CARGADOS CARAJOS 1322Z 04Sep2018 0.82m

MOZAMBIQUE

NHANGAU 0422Z 05Sep2018 0.54m

OMAN

MUSCAT 0610Z 04Sep2018 16.49m
AL KHABURAH 0614Z 04Sep2018 10.92m
QURAYYAT 0614Z 04Sep2018 13.16m
BARKA 0614Z 04Sep2018 12.14m
SUR 0622Z 04Sep2018 11.04m
SOHAR 0624Z 04Sep2018 6.42m
EAST MUSANDAM 0642Z 04Sep2018 5.07m
AD DUQM 0720Z 04Sep2018 2.29m
HASIK 0746Z 04Sep2018 1.83m

PAKISTAN

ORMARA 0600Z 04Sep2018 11.71m
WINDER 0602Z 04Sep2018 5.15m
KARACHI 0652Z 04Sep2018 4.04m
SINDH 0708Z 04Sep2018 3.30m

SEYCHELLES

FREGATE ISLAND 1036Z 04Sep2018 2.18m
TAKAMAKA 1116Z 04Sep2018 1.64m

SOMALIA

TOOXIN 0918Z 04Sep2018 1.07m
ABO 0920Z 04Sep2018 1.60m
JARIIBAN 0950Z 04Sep2018 1.14m
GALDOGOB 1000Z 04Sep2018 1.00m
KABURA 1014Z 04Sep2018 1.13m
XARARDHEERE 1018Z 04Sep2018 0.86m
BAKI 1022Z 04Sep2018 1.15m
MAREEG 1032Z 04Sep2018 0.68m
SAYLAC 1100Z 04Sep2018 1.25m
LOYADO 1108Z 04Sep2018 1.35m

TANZANIA

BAGAMOYO 1246Z 04Sep2018 0.85m

UNITED ARAB EMIRATES

KALBA 0628Z 04Sep2018 5.09m

YEMEN

SOCOTRA ISLAND SOUTH 0826Z 04Sep2018 1.68m
SOCOTRA ISLAND NORTH 0834Z 04Sep2018 1.84m
AL GHAYDAH AIRPORT 0836Z 04Sep2018 1.84m

HARRAH	0912Z 04Sep2018	1.07m
HAMI	0920Z 04Sep2018	1.25m
AL MUKALLA	0922Z 04Sep2018	1.41m
RUDUM	0936Z 04Sep2018	1.07m
AHWAR	0956Z 04Sep2018	0.99m
KHANFAR	1022Z 04Sep2018	1.17m
ADEN	1038Z 04Sep2018	0.92m
MA'ALLAH	1044Z 04Sep2018	1.33m
QAWAH	1100Z 04Sep2018	1.39m
AL MUALLA	1130Z 04Sep2018	1.16m

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 IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####
```


BULLETIN 14

IDY68501

```
#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####
```

```
-----  
TSUNAMI BULLETIN NUMBER 14 (TYPE-III CONFIRMED THREAT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 1632 UTC Tuesday 04 September 2018  
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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. EARTHQUAKE INFORMATION

IOTWMS-TSP AUSTRALIA has detected an earthquake with the following details:

Magnitude: 9.0 Mwp
Depth: 10km
Date: 04 Sep 2018
Origin Time: 0600 UTC
Latitude: 24.80N
Longitude: 58.20E
Location: Off Coast of Iran

2. EVALUATION

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

Gwadar	PAKISTAN	25.00N	62.00E	7.10m	04 Sep 06:10 UTC
Chabahar	IRAN	25.33N	60.50E	6.00m	04 Sep 06:15 UTC
Muscat	OMAN	23.60N	58.57E	5.50m	04 Sep 06:20 UTC
Deep Ocean Buoy 23228	ARABIAN SEA	20.80N	65.35E	0.30m	04 Sep 06:52 UTC
Deep Ocean Buoy 23226	ARABIAN SEA	20.20N	67.33E	0.26m	04 Sep 06:57 UTC
Masirah	OMAN	20.70N	58.87E	2.00m	04 Sep 07:05 UTC
Salalah	OMAN	16.90N	54.01E	0.80m	04 Sep 08:30 UTC
Ormara	PAKISTAN	25.20N	64.07E	3.50m	04 Sep 08:40 UTC
Minicoy	INDIA	8.30N	73.05E	0.40m	04 Sep 09:30 UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	0.60m	04 Sep 10:15 UTC
Gan	MALDIVES	0.70S	73.15E	0.75m	04 Sep 10:30 UTC
Aden	YEMEN	12.80N	44.97E	0.75m	04 Sep 11:00 UTC
Colombo	SRI LANKA	7.00N	79.85E	0.40m	04 Sep 11:30 UTC
Male	MALDIVES	4.20N	73.53E	0.50m	04 Sep 11:40 UTC
Jask	IRAN	25.60N	57.77E	3.50m	04 Sep 11:50 UTC
Karachi	PAKISTAN	24.83N	66.83E	1.90m	04 Sep 13:00 UTC
Mombasa	KENYA	4.10S	39.65E	0.30m	04 Sep 13:20 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	0.55m	04 Sep 13:25 UTC
Deep Ocean Buoy 23401	NICOBAR ISLA	8.90N	88.50E	0.02m	04 Sep 13:27 UTC
Sainte Marie	REUNION	20.90S	55.54E	0.60m	04 Sep 13:30 UTC
Pointe des Galets	REUNION ISLA	20.90S	55.28E	0.50m	04 Sep 13:30 UTC
Cocos Island	AUSTRALIA	12.10S	96.89E	0.30m	04 Sep 14:20 UTC
Rodrigues	MAURITIUS	19.70S	63.42E	0.60m	04 Sep 14:40 UTC
Seblat	INDONESIA	3.17S	101.50E	0.20m	04 Sep 14:45 UTC
Christmas Island	AUSTRALIA	10.40S	105.67E	0.30m	04 Sep 15:25 UTC
Sittwe	MYANMAR	20.00N	92.83E	0.15m	04 Sep 16:00 UTC
Pangandaran	INDONESIA	7.83S	108.50E	0.15m	04 Sep 16:00 UTC
Deep Ocean Buoy 56001	INDIAN OCEAN	13.99S	110.10E	0.09m	04 Sep 16:08 UTC

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone, and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than 0.5m at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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

GASCOYNE COAST	1746Z 04Sep2018	0.59m
PILBARA COAST WEST	1756Z 04Sep2018	0.57m
HEARD ISLAND AND MCDONALD ISLANDS	1936Z 04Sep2018	1.40m
AURORA BANK	1952Z 04Sep2018	0.74m
GERALDTON COAST	2324Z 04Sep2018	0.53m

BANGLADESH

COXS BAZAR	2144Z 04Sep2018	0.58m
KUTUBDIA ISLAND	0218Z 05Sep2018	0.54m
BARGUNA	0218Z 05Sep2018	0.54m

DJIBOUTI

MUHAMMAD ALI BIN FATHA SUMANA	1106Z 04Sep2018	2.42m
NW ARTA	1108Z 04Sep2018	2.86m

FRANCE

LLE SAINT-PAUL-NORTH	1630Z 04Sep2018	1.00m
LLE SAINT-PAUL-SOUTH	1640Z 04Sep2018	0.89m
ILE DE LA POSSESSION	1826Z 04Sep2018	0.63m
CROZET PLATEAU	1840Z 04Sep2018	0.94m
ILE KERGUELEN	1840Z 04Sep2018	1.47m

INDIA

MANDVI	0746Z 04Sep2018	3.20m
PORBANDAR	0752Z 04Sep2018	1.84m
DWARKA	0754Z 04Sep2018	2.69m
JAMNAGAR	0758Z 04Sep2018	2.14m
MANGROL	0814Z 04Sep2018	1.95m
HAZIRA, DIU	0826Z 04Sep2018	2.03m
MALVAN BAY	0900Z 04Sep2018	1.67m
VASCO	0912Z 04Sep2018	1.86m
PANAJI	0914Z 04Sep2018	1.74m
JAIGARH	0916Z 04Sep2018	1.76m
KARWAR	0922Z 04Sep2018	1.76m
UDUPI	0940Z 04Sep2018	1.93m
MANGALORE	0944Z 04Sep2018	1.62m
KASARAGOD	0946Z 04Sep2018	1.75m
PIPAVAV	0948Z 04Sep2018	1.74m
MAHUVA	0952Z 04Sep2018	1.63m
KHAMBAT	0954Z 04Sep2018	1.45m
MAHE	0958Z 04Sep2018	2.03m
ALLEPPEY ALAPPUZHA	0958Z 04Sep2018	1.84m
BHARUCH	1000Z 04Sep2018	1.39m
KANNUR	1000Z 04Sep2018	1.92m
VADANAPPALLY	1000Z 04Sep2018	1.73m
BEYPORE	1000Z 04Sep2018	2.04m
COCHIN	1002Z 04Sep2018	1.64m
VAKKAD	1002Z 04Sep2018	1.96m
TARAPUR	1002Z 04Sep2018	1.32m
ALIBAG PORT	1004Z 04Sep2018	1.63m
MUMBAI	1004Z 04Sep2018	1.63m
QUILON	1004Z 04Sep2018	1.71m
BORSI	1010Z 04Sep2018	1.26m
DAMAN	1010Z 04Sep2018	1.26m
HAZIRA	1010Z 04Sep2018	1.41m
KANYAKUMARI	1030Z 04Sep2018	1.07m
KOODANKULAM	1102Z 04Sep2018	0.86m

INDONESIA

SUMUT NIAS B	1826Z 04Sep2018	0.54m
SUMUT MANDAILING-NATAL U	1944Z 04Sep2018	0.55m

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SAKUBO	2030Z	04Sep2018	0.53m
MURASAIBI	2032Z	04Sep2018	0.51m
MUARASIGEP	2034Z	04Sep2018	0.57m
JABAR SUKABUMI PELABUHAN-RATU	2044Z	04Sep2018	0.68m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0314Z	05Sep2018	0.60m

IRAN

PUSHT	0600Z	04Sep2018	7.88m
BIR	0600Z	04Sep2018	12.69m
MISKI	0640Z	04Sep2018	3.60m

KENYA

KIWAYU	1210Z	04Sep2018	0.69m
MALINDI	1218Z	04Sep2018	0.85m
KIPINI	1224Z	04Sep2018	0.79m

MADAGASCAR

ANOROTSANGANA	1210Z	04Sep2018	0.87m
BALY	1302Z	04Sep2018	0.64m
TAMPOLO	1346Z	04Sep2018	1.05m
SAMPONA	0304Z	05Sep2018	0.56m

MALDIVES

KULHUDUFFUSHI	0922Z	04Sep2018	2.28m
GOLDHOO	0928Z	04Sep2018	2.12m
FERIDHOO	0940Z	04Sep2018	2.31m
NILANDHOO	0952Z	04Sep2018	1.97m
MALE	1004Z	04Sep2018	1.21m
KOLHUFUSHI	1022Z	04Sep2018	1.13m

MAURITIUS

CARGADOS CARAJOS	1322Z	04Sep2018	0.82m
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MOZAMBIQUE

NHANGAU	0422Z	05Sep2018	0.54m
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OMAN

MUSCAT	0610Z	04Sep2018	16.49m
AL KHABURAH	0614Z	04Sep2018	10.92m
QURAYYAT	0614Z	04Sep2018	13.16m
BARKA	0614Z	04Sep2018	12.14m
SUR	0622Z	04Sep2018	11.04m
SOHAR	0624Z	04Sep2018	6.42m
EAST MUSANDAM	0642Z	04Sep2018	5.07m
AD DUQM	0720Z	04Sep2018	2.29m
HASIK	0746Z	04Sep2018	1.83m

PAKISTAN

ORMARA	0600Z	04Sep2018	11.71m
WINDER	0602Z	04Sep2018	5.15m
KARACHI	0652Z	04Sep2018	4.04m
SINDH	0708Z	04Sep2018	3.30m

SEYCHELLES

FREGATE ISLAND	1036Z	04Sep2018	2.18m
TAKAMAKA	1116Z	04Sep2018	1.64m

SOMALIA

TOOXIN	0918Z	04Sep2018	1.07m
ABO	0920Z	04Sep2018	1.60m
JARIIBAN	0950Z	04Sep2018	1.14m
GALDOGOB	1000Z	04Sep2018	1.00m
KABURA	1014Z	04Sep2018	1.13m
XARARDHEERE	1018Z	04Sep2018	0.86m
BAKI	1022Z	04Sep2018	1.15m
MAREEG	1032Z	04Sep2018	0.68m
SAYLAC	1100Z	04Sep2018	1.25m
LOYADO	1108Z	04Sep2018	1.35m

TANZANIA

BAGAMOYO	1246Z	04Sep2018	0.85m
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UNITED ARAB EMIRATES

KALBA	0628Z	04Sep2018	5.09m
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YEMEN

SOCOTRA ISLAND SOUTH	0826Z	04Sep2018	1.68m
SOCOTRA ISLAND NORTH	0834Z	04Sep2018	1.84m
AL GHAYDAH AIRPORT	0836Z	04Sep2018	1.84m
HARRAH	0912Z	04Sep2018	1.07m
HAMI	0920Z	04Sep2018	1.25m
AL MUKALLA	0922Z	04Sep2018	1.41m
RUDUM	0936Z	04Sep2018	1.07m
AHWAR	0956Z	04Sep2018	0.99m
KHANFAR	1022Z	04Sep2018	1.17m
ADEN	1038Z	04Sep2018	0.92m
MA'ALLAH	1044Z	04Sep2018	1.33m
QAWAH	1100Z	04Sep2018	1.39m
AL MUALLA	1130Z	04Sep2018	1.16m

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 IOWAVE18 - NOT A REAL TSUNAMI EVENT

#####

BULLETIN 15

IDY68501

```
#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####
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TSUNAMI BULLETIN NUMBER 15 (TYPE-III CONFIRMED THREAT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 1732 UTC Tuesday 04 September 2018  
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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. EARTHQUAKE INFORMATION

IOTWMS-TSP AUSTRALIA has detected an earthquake with the following details:

Magnitude: 9.0 Mwp
Depth: 10km
Date: 04 Sep 2018
Origin Time: 0600 UTC
Latitude: 24.80N
Longitude: 58.20E
Location: Off Coast of Iran

2. EVALUATION

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

Gwadar	PAKISTAN	25.00N	62.00E	7.10m	04 Sep 06:10 UTC
Chabahar	IRAN	25.33N	60.50E	6.00m	04 Sep 06:15 UTC
Muscat	OMAN	23.60N	58.57E	5.50m	04 Sep 06:20 UTC
Deep Ocean Buoy 23228	ARABIAN SEA	20.80N	65.35E	0.30m	04 Sep 06:52 UTC
Deep Ocean Buoy 23226	ARABIAN SEA	20.20N	67.33E	0.26m	04 Sep 06:57 UTC
Masirah	OMAN	20.70N	58.87E	2.00m	04 Sep 07:05 UTC
Salalah	OMAN	16.90N	54.01E	0.80m	04 Sep 08:30 UTC
Ormara	PAKISTAN	25.20N	64.07E	3.50m	04 Sep 08:40 UTC
Minicoy	INDIA	8.30N	73.05E	0.40m	04 Sep 09:30 UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	0.60m	04 Sep 10:15 UTC
Gan	MALDIVES	0.70S	73.15E	0.75m	04 Sep 10:30 UTC
Aden	YEMEN	12.80N	44.97E	0.75m	04 Sep 11:00 UTC
Colombo	SRI LANKA	7.00N	79.85E	0.40m	04 Sep 11:30 UTC
Male	MALDIVES	4.20N	73.53E	0.50m	04 Sep 11:40 UTC
Jask	IRAN	25.60N	57.77E	3.50m	04 Sep 11:50 UTC
Karachi	PAKISTAN	24.83N	66.83E	1.90m	04 Sep 13:00 UTC
Mombasa	KENYA	4.10S	39.65E	0.30m	04 Sep 13:20 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	0.55m	04 Sep 13:25 UTC
Deep Ocean Buoy 23401	NICOBAR ISLA	8.90N	88.50E	0.02m	04 Sep 13:27 UTC
Sainte Marie	REUNION	20.90S	55.54E	0.60m	04 Sep 13:30 UTC
Pointe des Galets	REUNION ISLA	20.90S	55.28E	0.50m	04 Sep 13:30 UTC
Cocos Island	AUSTRALIA	12.10S	96.89E	0.30m	04 Sep 14:20 UTC
Rodrigues	MAURITIUS	19.70S	63.42E	0.60m	04 Sep 14:40 UTC
Seblat	INDONESIA	3.17S	101.50E	0.20m	04 Sep 14:45 UTC
Christmas Island	AUSTRALIA	10.40S	105.67E	0.30m	04 Sep 15:25 UTC
Sittwe	MYANMAR	20.00N	92.83E	0.15m	04 Sep 16:00 UTC
Pangandaran	INDONESIA	7.83S	108.50E	0.15m	04 Sep 16:00 UTC
Deep Ocean Buoy 56001	INDIAN OCEAN	13.99S	110.10E	0.09m	04 Sep 16:08 UTC
Denis Island	SEYCHELLES	3.80S	55.67E	0.90m	04 Sep 16:50 UTC
Comores	COMORES	11.70S	43.25E	0.95m	04 Sep 16:50 UTC
Deep Ocean Buoy 56003	INDIAN OCEAN	15.02S	117.94E	0.07m	04 Sep 17:08 UTC

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone, and the amplitude of the maximum beach wave predicted for the zone. Zones

where the estimated wave amplitudes are less than 0.5m at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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

GASCOYNE COAST	1746Z	04Sep2018	0.59m
PILBARA COAST WEST	1756Z	04Sep2018	0.57m
HEARD ISLAND AND MCDONALD ISLANDS	1936Z	04Sep2018	1.40m
AURORA BANK	1952Z	04Sep2018	0.74m
GERALDTON COAST	2324Z	04Sep2018	0.53m

BANGLADESH

COXS BAZAR	2144Z	04Sep2018	0.58m
KUTUBDIA ISLAND	0218Z	05Sep2018	0.54m
BARGUNA	0218Z	05Sep2018	0.54m

DJIBOUTI

MUHAMMAD ALI BIN FATHA SUMANA	1106Z	04Sep2018	2.42m
NW ARTA	1108Z	04Sep2018	2.86m

FRANCE

LLE SAINT-PAUL-NORTH	1630Z	04Sep2018	1.00m
LLE SAINT-PAUL-SOUTH	1640Z	04Sep2018	0.89m
ILE DE LA POSSESSION	1826Z	04Sep2018	0.63m
CROZET PLATEAU	1840Z	04Sep2018	0.94m
ILE KERGUELEN	1840Z	04Sep2018	1.47m

INDIA

MANDVI	0746Z	04Sep2018	3.20m
PORBANDAR	0752Z	04Sep2018	1.84m
DWARKA	0754Z	04Sep2018	2.69m
JAMNAGAR	0758Z	04Sep2018	2.14m
MANGROL	0814Z	04Sep2018	1.95m
HAZIRA, DIU	0826Z	04Sep2018	2.03m
MALVAN BAY	0900Z	04Sep2018	1.67m
VASCO	0912Z	04Sep2018	1.86m
PANAJI	0914Z	04Sep2018	1.74m
JAIGARH	0916Z	04Sep2018	1.76m
KARWAR	0922Z	04Sep2018	1.76m
UDUPI	0940Z	04Sep2018	1.93m
MANGALORE	0944Z	04Sep2018	1.62m
KASARAGOD	0946Z	04Sep2018	1.75m
PIPAVAV	0948Z	04Sep2018	1.74m
MAHUVA	0952Z	04Sep2018	1.63m
KHAMBAT	0954Z	04Sep2018	1.45m
MAHE	0958Z	04Sep2018	2.03m
ALLEPPEY ALAPPUZHA	0958Z	04Sep2018	1.84m
BHARUCH	1000Z	04Sep2018	1.39m
KANNUR	1000Z	04Sep2018	1.92m
VADANAPPALLY	1000Z	04Sep2018	1.73m
BEYPORE	1000Z	04Sep2018	2.04m
COCHIN	1002Z	04Sep2018	1.64m
VAKKAD	1002Z	04Sep2018	1.96m
TARAPUR	1002Z	04Sep2018	1.32m
ALIBAG PORT	1004Z	04Sep2018	1.63m
MUMBAI	1004Z	04Sep2018	1.63m
QUILON	1004Z	04Sep2018	1.71m
BORSI	1010Z	04Sep2018	1.26m
DAMAN	1010Z	04Sep2018	1.26m
HAZIRA	1010Z	04Sep2018	1.41m
KANYAKUMARI	1030Z	04Sep2018	1.07m
KOODANKULAM	1102Z	04Sep2018	0.86m

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INDONESIA

SUMUT NIAS B	1826Z	04Sep2018	0.54m
SUMUT MANDAILING-NATAL U	1944Z	04Sep2018	0.55m
SAKUBO	2030Z	04Sep2018	0.53m
MURASAIBI	2032Z	04Sep2018	0.51m
MUARASIGEP	2034Z	04Sep2018	0.57m
JABAR SUKABUMI PELABUHAN-RATU	2044Z	04Sep2018	0.68m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0314Z	05Sep2018	0.60m

IRAN

PUSHT	0600Z	04Sep2018	7.88m
BIR	0600Z	04Sep2018	12.69m
MISKI	0640Z	04Sep2018	3.60m

KENYA

KIWAYU	1210Z	04Sep2018	0.69m
MALINDI	1218Z	04Sep2018	0.85m
KIPINI	1224Z	04Sep2018	0.79m

MADAGASCAR

ANOROTSANGANA	1210Z	04Sep2018	0.87m
BALY	1302Z	04Sep2018	0.64m
TAMPOLO	1346Z	04Sep2018	1.05m
SAMPONA	0304Z	05Sep2018	0.56m

MALDIVES

KULHUDUFFUSHI	0922Z	04Sep2018	2.28m
GOIDHOO	0928Z	04Sep2018	2.12m
FERIDHOO	0940Z	04Sep2018	2.31m
NILANDHOO	0952Z	04Sep2018	1.97m
MALE	1004Z	04Sep2018	1.21m
KOLHUFUSHI	1022Z	04Sep2018	1.13m

MAURITIUS

CARGADOS CARAJOS	1322Z	04Sep2018	0.82m
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MOZAMBIQUE

NHANGAU	0422Z	05Sep2018	0.54m
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OMAN

MUSCAT	0610Z	04Sep2018	16.49m
AL KHABURAH	0614Z	04Sep2018	10.92m
QURAYYAT	0614Z	04Sep2018	13.16m
BARKA	0614Z	04Sep2018	12.14m
SUR	0622Z	04Sep2018	11.04m
SOHAR	0624Z	04Sep2018	6.42m
EAST MUSANDAM	0642Z	04Sep2018	5.07m
AD DUQM	0720Z	04Sep2018	2.29m
HASIK	0746Z	04Sep2018	1.83m

PAKISTAN

ORMARA	0600Z	04Sep2018	11.71m
WINDER	0602Z	04Sep2018	5.15m
KARACHI	0652Z	04Sep2018	4.04m
SINDH	0708Z	04Sep2018	3.30m

SEYCHELLES

FREGATE ISLAND	1036Z	04Sep2018	2.18m
TAKAMAKA	1116Z	04Sep2018	1.64m

SOMALIA

TOOXIN	0918Z	04Sep2018	1.07m
ABO	0920Z	04Sep2018	1.60m
JARIIBAN	0950Z	04Sep2018	1.14m
GALDOGOB	1000Z	04Sep2018	1.00m
KABURA	1014Z	04Sep2018	1.13m
XARARDHEERE	1018Z	04Sep2018	0.86m
BAKI	1022Z	04Sep2018	1.15m
MAREEG	1032Z	04Sep2018	0.68m
SAYLAC	1100Z	04Sep2018	1.25m
LOYADO	1108Z	04Sep2018	1.35m

TANZANIA

BAGAMOYO	1246Z	04Sep2018	0.85m
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UNITED ARAB EMIRATES

KALBA 0628Z 04Sep2018 5.09m

YEMEN

SOCOTRA ISLAND SOUTH	0826Z 04Sep2018	1.68m
SOCOTRA ISLAND NORTH	0834Z 04Sep2018	1.84m
AL GHAYDAH AIRPORT	0836Z 04Sep2018	1.84m
HARRAH	0912Z 04Sep2018	1.07m
HAMI	0920Z 04Sep2018	1.25m
AL MUKALLA	0922Z 04Sep2018	1.41m
RUDUM	0936Z 04Sep2018	1.07m
AHWAR	0956Z 04Sep2018	0.99m
KHANFAR	1022Z 04Sep2018	1.17m
ADEN	1038Z 04Sep2018	0.92m
MA'ALLAH	1044Z 04Sep2018	1.33m
QAWAH	1100Z 04Sep2018	1.39m
AL MUALLA	1130Z 04Sep2018	1.16m

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 IOWAVE18 - NOT A REAL TSUNAMI EVENT

#####

BULLETIN 16

IDY68504

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#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####
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TSUNAMI BULLETIN NUMBER 16 (TYPE-IV FINAL BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 1832 UTC Tuesday 04 September 2018  
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... FINAL TSUNAMI BULLETIN FOR THE INDIAN OCEAN ...

1. EARTHQUAKE INFORMATION

IOTWMS-TSP AUSTRALIA has detected an earthquake with the following details:

Magnitude: 9.0 Mwp
Depth: 10km
Date: 04 Sep 2018
Origin Time: 0600 UTC
Latitude: 24.80N
Longitude: 58.20E
Location: Off Coast of Iran

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.

Gwadar	PAKISTAN	25.00N	62.00E	7.10m	04 Sep 06:10 UTC
Chabahar	IRAN	25.33N	60.50E	6.00m	04 Sep 06:15 UTC
Muscat	OMAN	23.60N	58.57E	5.50m	04 Sep 06:20 UTC
Deep Ocean Buoy 23228	ARABIAN SEA	20.80N	65.35E	0.30m	04 Sep 06:52 UTC
Deep Ocean Buoy 23226	ARABIAN SEA	20.20N	67.33E	0.26m	04 Sep 06:57 UTC
Masirah	OMAN	20.70N	58.87E	2.00m	04 Sep 07:05 UTC
Salalah	OMAN	16.90N	54.01E	0.80m	04 Sep 08:30 UTC
Ormara	PAKISTAN	25.20N	64.07E	3.50m	04 Sep 08:40 UTC
Minicoy	INDIA	8.30N	73.05E	0.40m	04 Sep 09:30 UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	0.60m	04 Sep 10:15 UTC
Gan	MALDIVES	0.70S	73.15E	0.75m	04 Sep 10:30 UTC
Aden	YEMEN	12.80N	44.97E	0.75m	04 Sep 11:00 UTC
Colombo	SRI LANKA	7.00N	79.85E	0.40m	04 Sep 11:30 UTC
Male	MALDIVES	4.20N	73.53E	0.50m	04 Sep 11:40 UTC
Jask	IRAN	25.60N	57.77E	3.50m	04 Sep 11:50 UTC
Karachi	PAKISTAN	24.83N	66.83E	1.90m	04 Sep 13:00 UTC
Mombasa	KENYA	4.10S	39.65E	0.30m	04 Sep 13:20 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	0.55m	04 Sep 13:25 UTC
Deep Ocean Buoy 23401	NICOBAR ISLA	8.90N	88.50E	0.02m	04 Sep 13:27 UTC
Sainte Marie	REUNION	20.90S	55.54E	0.60m	04 Sep 13:30 UTC
Pointe des Galets	REUNION ISLA	20.90S	55.28E	0.50m	04 Sep 13:30 UTC
Cocos Island	AUSTRALIA	12.10S	96.89E	0.30m	04 Sep 14:20 UTC
Rodrigues	MAURITIUS	19.70S	63.42E	0.60m	04 Sep 14:40 UTC
Seblat	INDONESIA	3.17S	101.50E	0.20m	04 Sep 14:45 UTC
Christmas Island	AUSTRALIA	10.40S	105.67E	0.30m	04 Sep 15:25 UTC
Sittwe	MYANMAR	20.00N	92.83E	0.15m	04 Sep 16:00 UTC
Pangandaran	INDONESIA	7.83S	108.50E	0.15m	04 Sep 16:00 UTC
Deep Ocean Buoy 56001	INDIAN OCEAN	13.99S	110.10E	0.09m	04 Sep 16:08 UTC
Denis Island	SEYCHELLES	3.80S	55.67E	0.90m	04 Sep 16:50 UTC
Comores	COMORES	11.70S	43.25E	0.95m	04 Sep 16:50 UTC
Deep Ocean Buoy 56003	INDIAN OCEAN	15.02S	117.94E	0.07m	04 Sep 17:08 UTC
Point Murat	AUSTRALIA	21.80S	114.19E	0.65m	04 Sep 17:30 UTC

Cape Cuvier Wharf AUSTRALIA 24.20S 113.40E 0.75m 04 Sep 17:55 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>

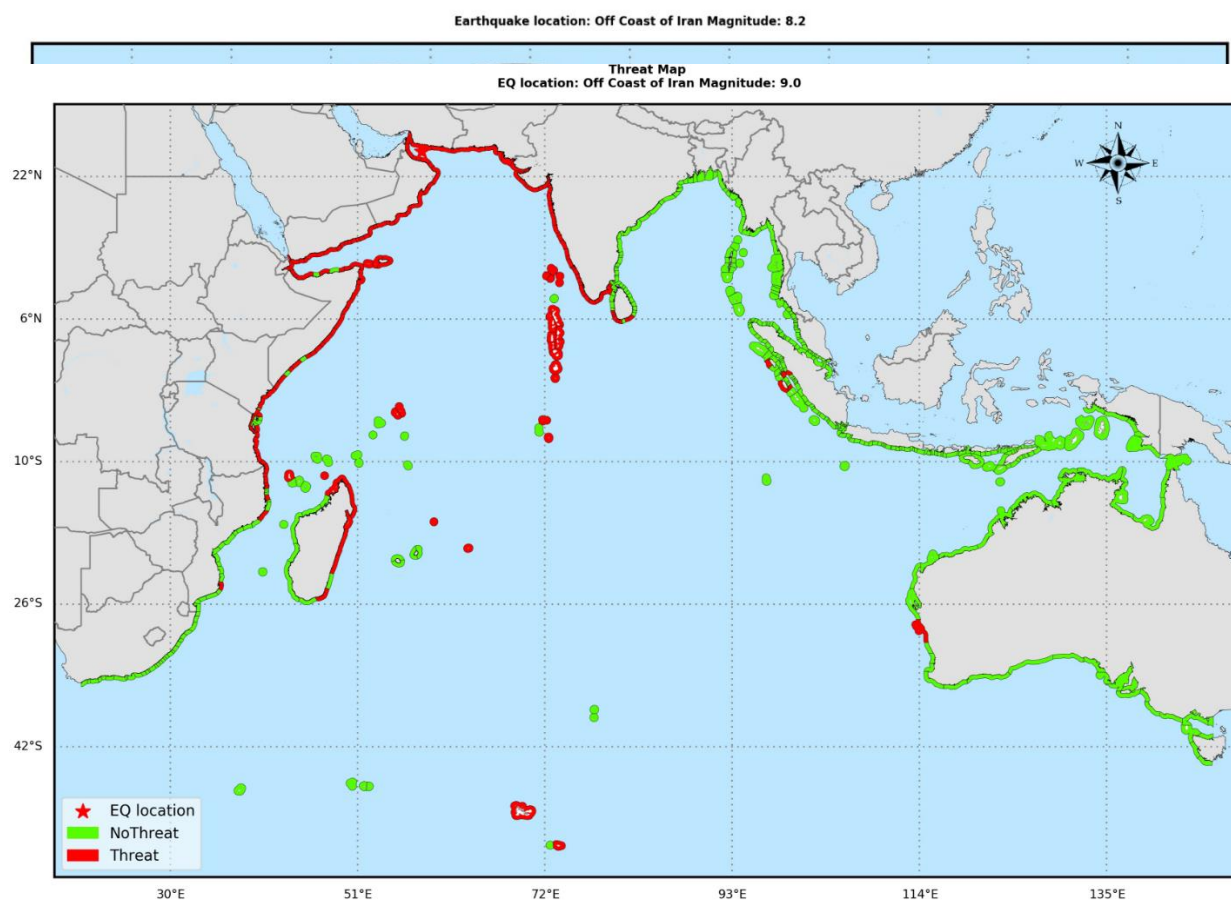
END OF BULLETIN

TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT

#####

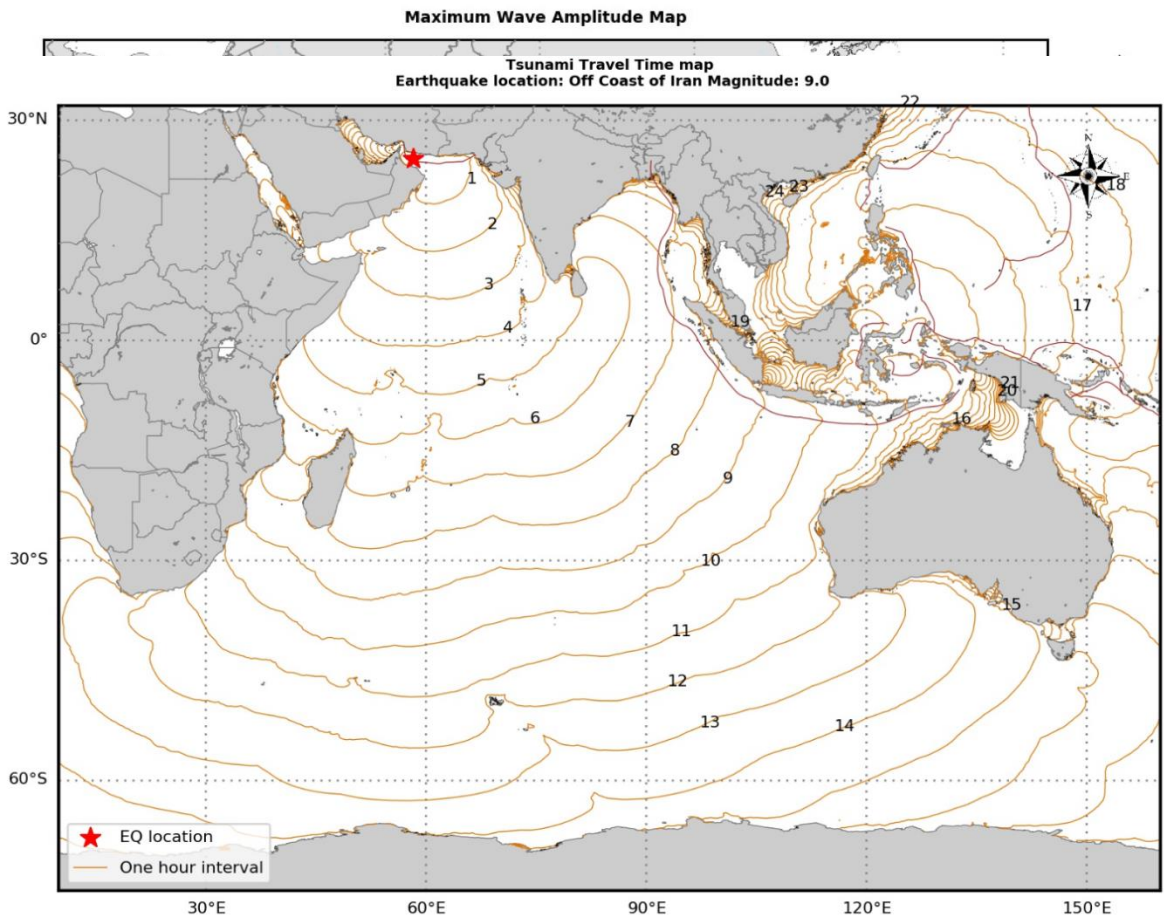
3. TSP INDIA MAPS

Location Map



Threat Map

Maximum Wave Amplitude Map



Travel time Map

4. TSP INDIA BULLETINS

BULLETIN 1

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#####  
#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####  
#####
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TEST TEST TEST   TEST TEST TEST TEST TEST TEST TEST TEST  
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TSUNAMI BULLETIN NUMBER 1  
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWC)  
ISSUED AT 0605 UTC TUESDAY 04 SEPTEMBER 2018  
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... EARTHQUAKE BULLETIN ...

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. EARTHQUAKE INFORMATION

IOTWMS-TSP INDIA has detected an earthquake with the following preliminary information:

Magnitude: 8.5 M
Depth: 10 km
Date: 04 SEP 2018
Origin Time: 0600UTC
Latitude: 24.8 N
Longitude: 58.2 E
Location: OFF COAST OF IRAN

2. EVALUATION

Based on historical data and tsunami modelling, this earthquake may be capable of generating a tsunami affecting the Indian Ocean region. IOTWMS-TSP INDIA will monitor sea level gauges near the earthquake to determine if a tsunami was generated and will issue further bulletins for this event.

3. 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.

4. OTHER INDIAN OCEAN TSUNAMI SERVICE PROVIDERS:

Other IOTWMS-TSPs may issue additional information at:

IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>
IOTWMS-TSP INDONESIA: <http://rtsp.bmkg.go.id>

5. CONTACT INFORMATION

IOTWMS-TSP INDIA:

INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)

INDIAN NATIONAL CENTRE FOR OCEAN INFORMATION SERVICES (INCOIS)

ADDRESS:"OCEAN VALLEY", PRAGATHI NAGAR (BO), NIZAMPET (SO),

HYDERABAD - 500 090, INDIA

PHONE: 91-40-23895011

FAX: 91-40-23895012

EMAIL: tsunami@incois.gov.in

WEB: www.incois.gov.in

END OF BULLETIN

TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST
TEST

BULLETIN 2

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#####  
#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####  
#####
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TEST TEST TEST   TEST TEST TEST TEST TEST TEST TEST TEST  
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-
```

TSUNAMI BULLETIN NUMBER 2
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 0615 UTC Tuesday 04 September 2018

... 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. EARTHQUAKE INFORMATION

IOTWMS-TSP INDIA has detected an earthquake with the following preliminary
information:

Magnitude: 9.0 M
Depth: 10 km
Date: 04 SEP 2018
Origin Time: 0600UTC
Latitude: 24.8 N
Longitude: 58.2 E
Location: OFF COAST OF IRAN

2. EVALUATION

Earthquakes of this size are capable of generating tsunamis. However, so
far
there is no confirmation about the triggering of a tsunami.
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 pre-run model scenarios, the zones listed below are POTENTIALLY
UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated
to
exceed 0.5m amplitude at the beach in each zone (or a different threshold
nominated by an NTWC), and the amplitude of the maximum beach wave
predicted
for the zone. Zones where the estimated wave amplitudes are less than the
threshold amplitude at the beach are not shown.

The list is grouped by country (alphabetic order) and ordered according to
the

earliest estimated times of arrival at the beach.

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	2153z	04 Sep 2018	0.5m
GERALDTON COAST	0534z	05 Sep 2018	0.5m

COMOROS

CHEZANI	1345z	04 Sep 2018	0.7m
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DJIBOUTI

NW ARTA	1124z	04 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1125z	04 Sep 2018	0.9m

FRANCE

ILE KERGUELEN	1856z	04 Sep 2018	1.0m
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INDIA

MANDVI	0814z	04 Sep 2018	2.3m
DWARKA	0819z	04 Sep 2018	1.9m
JAMNAGAR	0823z	04 Sep 2018	1.7m
PORBANDAR	0825z	04 Sep 2018	1.5m
MANGROL	0833z	04 Sep 2018	1.6m
HAZIRA, DIU	0845z	04 Sep 2018	1.7m
AGATTI	0858z	04 Sep 2018	2.2m
AMINI	0906z	04 Sep 2018	1.0m
KAVARATTI	0913z	04 Sep 2018	1.0m
MALVAN BAY	0920z	04 Sep 2018	2.0m
PANAJI	0928z	04 Sep 2018	1.5m
VASCO	0930z	04 Sep 2018	1.6m
JAIGARH	0930z	04 Sep 2018	1.6m
KARWAR	0938z	04 Sep 2018	2.0m
MANGALORE	0959z	04 Sep 2018	1.4m
KASARAGOD	1001z	04 Sep 2018	1.5m
UDUPI	1003z	04 Sep 2018	1.8m
ANDROTH	1004z	04 Sep 2018	0.7m
ALIBAG PORT	1005z	04 Sep 2018	1.5m
MAHE	1005z	04 Sep 2018	1.2m
ALLEPPEY ALAPPUZHA	1007z	04 Sep 2018	1.2m
KANNUR	1010z	04 Sep 2018	0.9m
VADANAPPALLY	1011z	04 Sep 2018	1.4m
MUMBAI	1012z	04 Sep 2018	1.4m
VAKKAD	1015z	04 Sep 2018	1.2m
BEYPORE	1017z	04 Sep 2018	1.0m
COCHIN	1018z	04 Sep 2018	1.4m
TARAPUR	1021z	04 Sep 2018	1.5m
PIPAVAV	1022z	04 Sep 2018	1.3m
QUILON	1026z	04 Sep 2018	1.1m
MAHUVA	1028z	04 Sep 2018	1.5m
KHAMBAT	1033z	04 Sep 2018	1.2m
TRIVANDRUM	1036z	04 Sep 2018	1.3m
BHARUCH	1100z	04 Sep 2018	1.6m
KANYAKUMARI	1105z	04 Sep 2018	1.4m
BORSI	1109z	04 Sep 2018	1.0m
HAZIRA	1110z	04 Sep 2018	1.2m
DAMAN	1114z	04 Sep 2018	1.3m
KOODANKULAM	1115z	04 Sep 2018	1.4m

TUTICORIN	1406z	04 Sep 2018	1.3m
RAMESWARAM	1438z	04 Sep 2018	0.7m
KOTTTAIPPATTANAM	2148z	04 Sep 2018	0.5m

INDONESIA

SUMUT NIAS B	1917z	04 Sep 2018	0.6m
MUARASIBERUT	0250z	05 Sep 2018	0.7m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0321z	05 Sep 2018	0.5m
SUMBAR KOTA-PADANG U	0339z	05 Sep 2018	0.6m
NIAS-EAST	0412z	05 Sep 2018	0.5m

IRAN

PUSHT	0604z	04 Sep 2018	7.1m
BIR	0606z	04 Sep 2018	5.9m
MISKI	0716z	04 Sep 2018	3.3m

KENYA

MALINDI	1243z	04 Sep 2018	1.7m
KISIMACHANDE	1311z	04 Sep 2018	0.9m
KIWAYU	1417z	04 Sep 2018	1.0m
KIPINI	1432z	04 Sep 2018	0.8m
MVULENI	2321z	04 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1252z	04 Sep 2018	0.9m
AMBAHY	1503z	04 Sep 2018	0.9m
TAMPOLO	1711z	04 Sep 2018	0.8m
TOAMASINA AIRPORT	1855z	04 Sep 2018	0.8m
ANOROTSANGANA	1902z	04 Sep 2018	0.7m
GLORIOSO ISLANDS	2357z	04 Sep 2018	0.5m
MANANTENINA	0316z	05 Sep 2018	0.6m

MALDIVES

GOIDHOO	0928z	04 Sep 2018	1.7m
KULHUDUFFUSHI	0931z	04 Sep 2018	1.6m
FERIDHOO	0949z	04 Sep 2018	1.1m
NILANDHOO	0958z	04 Sep 2018	1.0m
DHIYAMIGILI	1005z	04 Sep 2018	1.1m
MALE	1016z	04 Sep 2018	2.1m
THINADHOO	1021z	04 Sep 2018	1.3m
HITHADHOO	1031z	04 Sep 2018	0.7m
KOLHUFUSHI	1039z	04 Sep 2018	0.8m

MAURITIUS

CARGADOS CARAJOS	1413z	04 Sep 2018	0.8m
LA FERME	1423z	04 Sep 2018	0.6m

MOZAMBIQUE

MAGANJA	1732z	04 Sep 2018	1.0m
PEMBA	1854z	04 Sep 2018	0.7m
MERONVI	1901z	04 Sep 2018	0.8m
TAVARI	1946z	04 Sep 2018	0.7m
QUITERAJO	2026z	04 Sep 2018	0.8m
NANGATA	2237z	04 Sep 2018	0.7m

MOGINCUAL	0214z	05 Sep 2018	0.6m
MAGUEMBA	0627z	05 Sep 2018	0.6m
OMAN			

MUSCAT	0617z	04 Sep 2018	5.6m
QURAYYAT	0621z	04 Sep 2018	8.5m
BARKA	0623z	04 Sep 2018	3.8m
AL KHABURAH	0629z	04 Sep 2018	3.0m
SUR	0629z	04 Sep 2018	7.1m
SOHAR	0637z	04 Sep 2018	4.3m
AL ASHKHARAH	0648z	04 Sep 2018	4.0m
MASIRAH	0702z	04 Sep 2018	2.2m
RAS AR RUWAYS	0709z	04 Sep 2018	3.3m
EAST MUSANDAM	0714z	04 Sep 2018	4.3m
AD DUQM	0730z	04 Sep 2018	2.9m
HASIK	0805z	04 Sep 2018	1.9m
AL JAZER	0810z	04 Sep 2018	1.7m
MIRBAT	0812z	04 Sep 2018	0.7m
TAQAH	0823z	04 Sep 2018	0.5m
SALALAH	0826z	04 Sep 2018	2.0m
PAKISTAN			

ORMARA	0603z	04 Sep 2018	7.2m
WINDER	0653z	04 Sep 2018	2.4m
KARACHI	0730z	04 Sep 2018	2.4m
SINDH	0736z	04 Sep 2018	2.4m
SEYCHELLES			

FREGATE ISLAND	1049z	04 Sep 2018	0.9m
TAKAMAKA	1145z	04 Sep 2018	1.0m
SOMALIA			

TOOXIN	0926z	04 Sep 2018	1.9m
BANDER-BEYLA	0934z	04 Sep 2018	1.2m
QANDALA	0941z	04 Sep 2018	0.7m
EYL	0948z	04 Sep 2018	0.9m
ABO	0950z	04 Sep 2018	2.3m
HADAAFTIMO	0954z	04 Sep 2018	0.5m
GALDOGOB	1004z	04 Sep 2018	1.1m
MAYDH	1006z	04 Sep 2018	0.7m
XARARDHEERE	1030z	04 Sep 2018	1.3m
CEEL DHEER	1043z	04 Sep 2018	1.6m
MAREEG	1044z	04 Sep 2018	0.9m
ITALA	1050z	04 Sep 2018	0.8m
UARSCIECH	1053z	04 Sep 2018	0.6m
MUQDISHO	1100z	04 Sep 2018	0.7m
SAYLAC	1116z	04 Sep 2018	0.7m
BAKI	1117z	04 Sep 2018	0.7m
LOYADO	1122z	04 Sep 2018	0.9m
JARIIBAN	1127z	04 Sep 2018	0.8m
NE BEERNAASI	1323z	04 Sep 2018	1.0m
BARAAWE	1736z	04 Sep 2018	0.8m
JILIB	2356z	04 Sep 2018	0.5m
KAAMBOONI	0404z	05 Sep 2018	0.5m
SRI LANKA			

AMBALANGODA	1129z	04 Sep 2018	0.6m
MATARA	1154z	04 Sep 2018	0.6m
GALLE	1533z	04 Sep 2018	0.8m
BERUWALA	1550z	04 Sep 2018	0.6m
MORATUWA	1912z	04 Sep 2018	0.7m
KIRINDA	2105z	04 Sep 2018	0.8m
HAMBANTOTA	2123z	04 Sep 2018	0.7m
COLOMBO	2230z	04 Sep 2018	0.5m

TANZANIA

MADANGWA	1245z	04 Sep 2018	1.0m
BAGAMOYO	1305z	04 Sep 2018	0.7m
JIMBO	1753z	04 Sep 2018	0.8m
RUVU	1844z	04 Sep 2018	0.6m
MSASANI	2056z	04 Sep 2018	0.7m
ZANZIBAR	2135z	04 Sep 2018	0.8m
WEST TO KONDE	2146z	04 Sep 2018	0.7m
SONGO SONGO ISLAND	2238z	04 Sep 2018	0.5m
KUTANI	2314z	04 Sep 2018	0.5m

UNITED ARAB EMIRATES

KALBA	0648z	04 Sep 2018	3.7m
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UNITED KINGDOM

MORESBY ISLAND	1101z	04 Sep 2018	0.6m
DIEGO GARCIA	1154z	04 Sep 2018	1.4m

YEMEN

DAMQAWT	0834z	04 Sep 2018	0.8m
SOCOTRA ISLAND SOUTH	0840z	04 Sep 2018	1.6m
AL GHAYDAH AIRPORT	0847z	04 Sep 2018	2.2m
SOCOTRA ISLAND NORTH	0850z	04 Sep 2018	1.2m
HUSWAYN	0900z	04 Sep 2018	1.7m
ALQUMRAH	0910z	04 Sep 2018	1.0m
SOCOTRA ISLAND WEST	0912z	04 Sep 2018	0.8m
MASILAH WADI	0918z	04 Sep 2018	1.2m
HARRAH	0922z	04 Sep 2018	1.0m
EAST TO HAMI	0922z	04 Sep 2018	1.0m
HAMI	0934z	04 Sep 2018	1.2m
BROM MAYFA	0943z	04 Sep 2018	0.8m
AL MUKALLA	0951z	04 Sep 2018	1.3m
RUDUM	1000z	04 Sep 2018	0.9m
KHANFAR	1032z	04 Sep 2018	1.7m
ADEN	1053z	04 Sep 2018	1.0m
MAALLAH	1102z	04 Sep 2018	1.6m
QAWAH	1117z	04 Sep 2018	0.8m
AL MUALLA	1148z	04 Sep 2018	0.8m
AHWAR	2101z	04 Sep 2018	0.6m

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.

The threat is deemed to have passed two hours after the forecast time for
last

exceedance of the 0.5m threat threshold for a zone. 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.

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 INDIA for this event as more information becomes available

OTHER INDIAN OCEAN TSUNAMI SERVICE PROVIDERS:

Other IOTWMS-TSPs may issue additional information at:

IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtspl/>

IOTWMS-TSP INDONESIA: <http://inatews.bmkg.gov.id>

6. CONTACT INFORMATION

IOTWMS-TSP INDIA:

INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)

Indian National Centre for Ocean Information Services (INCOIS)

Address:"ocean valley", Pragathi Nagar (Bo), Nizampet (So),

Hyderabad - 500 090, India

Phone: 91-40-23895011

Fax: 91-40-23895012

Email: tsunami@incois.gov.in

Web: www.incois.gov.in

END OF BULLETIN

[illegible]

BULLETIN 3

```
#####  
#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####  
#####
```

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-----  
-  
TEST TEST TEST   TEST TEST TEST TEST TEST TEST TEST TEST  
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```

TSUNAMI BULLETIN NUMBER 3
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 0630 UTC Tuesday 04 September 2018

... 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. EARTHQUAKE INFORMATION

IOTWMS-TSP INDIA has detected an earthquake with the following preliminary
information:

Magnitude: 9.0 M
Depth: 10 km
Date: 04 SEP 2018
Origin Time: 0600UTC
Latitude: 24.8 N
Longitude: 58.2 E
Location: OFF COAST OF IRAN

2. EVALUATION

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

Gwadar (PAKISTAN)	25.1 N	62.03 E	0604z	04 Sep 2018	7.24m
Chabahar (IRAN)	25.3 N	60.60 E	0615z	04 Sep 2018	5.96m
Muscat (OMAN)	23.6 N	58.57 E	0621z	04 Sep 2018	6.21m

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated
to

exceed 0.5m amplitude at the beach in each zone (or a different threshold
nominated by an NTWC), and the amplitude of the maximum beach wave
predicted

for the zone. Zones where the estimated wave amplitudes are less than the
threshold amplitude at the beach are not shown.

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

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	2153z	04 Sep 2018	0.5m	
GERALDTON COAST	0534z	05 Sep 2018	0.5m	
COMOROS				

CHEZANI	1345z	04 Sep 2018	0.7m	
DJIBOUTI				

NW ARTA	1124z	04 Sep 2018	1.7m	
MUHAMMAD ALI BIN FATHA SUMANA	1125z	04 Sep 2018	0.9m	
FRANCE				

ILE KERGUELEN	1856z	04 Sep 2018	1.0m	
INDIA				

MANDVI	0814z	04 Sep 2018	2.3m	
DWARKA	0819z	04 Sep 2018	1.9m	
JAMNAGAR	0823z	04 Sep 2018	1.7m	
PORBANDAR	0825z	04 Sep 2018	1.5m	
MANGROL	0833z	04 Sep 2018	1.6m	
HAZIRA, DIU	0845z	04 Sep 2018	1.7m	
AGATTI	0858z	04 Sep 2018	2.2m	
AMINI	0906z	04 Sep 2018	1.0m	
KAVARATTI	0913z	04 Sep 2018	1.0m	
MALVAN BAY	0920z	04 Sep 2018	2.0m	
PANAJI	0928z	04 Sep 2018	1.5m	
VASCO	0930z	04 Sep 2018	1.6m	
JAIGARH	0930z	04 Sep 2018	1.6m	
KARWAR	0938z	04 Sep 2018	2.0m	
MANGALORE	0959z	04 Sep 2018	1.4m	
KASARAGOD	1001z	04 Sep 2018	1.5m	
UDUPI	1003z	04 Sep 2018	1.8m	
ANDROTH	1004z	04 Sep 2018	0.7m	
ALIBAG PORT	1005z	04 Sep 2018	1.5m	
MAHE	1005z	04 Sep 2018	1.2m	
ALLEPPEY ALAPPUZHA	1007z	04 Sep 2018	1.2m	
KANNUR	1010z	04 Sep 2018	0.9m	
VADANAPPALLY	1011z	04 Sep 2018	1.4m	
MUMBAI	1012z	04 Sep 2018	1.4m	
VAKKAD	1015z	04 Sep 2018	1.2m	
BEYPORE	1017z	04 Sep 2018	1.0m	
COCHIN	1018z	04 Sep 2018	1.4m	
TARAPUR	1021z	04 Sep 2018	1.5m	
PIPAVAV	1022z	04 Sep 2018	1.3m	
QUILON	1026z	04 Sep 2018	1.1m	
MAHUVA	1028z	04 Sep 2018	1.5m	
KHAMBAT	1033z	04 Sep 2018	1.2m	
TRIVANDRUM	1036z	04 Sep 2018	1.3m	
BHARUCH	1100z	04 Sep 2018	1.6m	
KANYAKUMARI	1105z	04 Sep 2018	1.4m	
BORSI	1109z	04 Sep 2018	1.0m	
HAZIRA	1110z	04 Sep 2018	1.2m	
DAMAN	1114z	04 Sep 2018	1.3m	
KOODANKULAM	1115z	04 Sep 2018	1.4m	
TUTICORIN	1406z	04 Sep 2018	1.3m	
RAMESWARAM	1438z	04 Sep 2018	0.7m	
KOTTTAIPPATTANAM	2148z	04 Sep 2018	0.5m	

INDONESIA

SUMUT NIAS B	1917z	04 Sep 2018	0.6m
MUARASIBERUT	0250z	05 Sep 2018	0.7m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0321z	05 Sep 2018	0.5m
SUMBAR KOTA-PADANG U	0339z	05 Sep 2018	0.6m
NIAS-EAST	0412z	05 Sep 2018	0.5m

IRAN

PUSHT	0604z	04 Sep 2018	7.1m
BIR	0606z	04 Sep 2018	5.9m
MISKI	0716z	04 Sep 2018	3.3m

KENYA

MALINDI	1243z	04 Sep 2018	1.7m
KISIMACHANDE	1311z	04 Sep 2018	0.9m
KIWAYU	1417z	04 Sep 2018	1.0m
KIPINI	1432z	04 Sep 2018	0.8m
MVULENI	2321z	04 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1252z	04 Sep 2018	0.9m
AMBAHY	1503z	04 Sep 2018	0.9m
TAMPOLO	1711z	04 Sep 2018	0.8m
TOAMASINA AIRPORT	1855z	04 Sep 2018	0.8m
ANOROTSANGANA	1902z	04 Sep 2018	0.7m
GLORIOSO ISLANDS	2357z	04 Sep 2018	0.5m
MANANTENINA	0316z	05 Sep 2018	0.6m

MALDIVES

GOIDHOO	0928z	04 Sep 2018	1.7m
KULHUDUFFUSHI	0931z	04 Sep 2018	1.6m
FERIDHOO	0949z	04 Sep 2018	1.1m
NILANDHOO	0958z	04 Sep 2018	1.0m
DHIYAMIGILI	1005z	04 Sep 2018	1.1m
MALE	1016z	04 Sep 2018	2.1m
THINADHOO	1021z	04 Sep 2018	1.3m
HITHADHOO	1031z	04 Sep 2018	0.7m
KOLHUFUSHI	1039z	04 Sep 2018	0.8m

MAURITIUS

CARGADOS CARAJOS	1413z	04 Sep 2018	0.8m
LA FERME	1423z	04 Sep 2018	0.6m

MOZAMBIQUE

MAGANJA	1732z	04 Sep 2018	1.0m
PEMBA	1854z	04 Sep 2018	0.7m
MERONVI	1901z	04 Sep 2018	0.8m
TAVARI	1946z	04 Sep 2018	0.7m
QUITERAJO	2026z	04 Sep 2018	0.8m
NANGATA	2237z	04 Sep 2018	0.7m
MOGINCUAL	0214z	05 Sep 2018	0.6m
MAGUEMBA	0627z	05 Sep 2018	0.6m

OMAN

MUSCAT	0617z	04 Sep 2018	5.6m
QURAYYAT	0621z	04 Sep 2018	8.5m
BARKA	0623z	04 Sep 2018	3.8m
AL KHABURAH	0629z	04 Sep 2018	3.0m
SUR	0629z	04 Sep 2018	7.1m
SOHAR	0637z	04 Sep 2018	4.3m
AL ASHKHARAH	0648z	04 Sep 2018	4.0m
MASIRAH	0702z	04 Sep 2018	2.2m
RAS AR RUWAYS	0709z	04 Sep 2018	3.3m
EAST MUSANDAM	0714z	04 Sep 2018	4.3m
AD DUQM	0730z	04 Sep 2018	2.9m
HASIK	0805z	04 Sep 2018	1.9m
AL JAZER	0810z	04 Sep 2018	1.7m
MIRBAT	0812z	04 Sep 2018	0.7m
TAQAH	0823z	04 Sep 2018	0.5m
SALALAH	0826z	04 Sep 2018	2.0m

PAKISTAN

ORMARA	0603z	04 Sep 2018	7.2m
WINDER	0653z	04 Sep 2018	2.4m
KARACHI	0730z	04 Sep 2018	2.4m
SINDH	0736z	04 Sep 2018	2.4m

SEYCHELLES

FREGATE ISLAND	1049z	04 Sep 2018	0.9m
TAKAMAKA	1145z	04 Sep 2018	1.0m

SOMALIA

TOOXIN	0926z	04 Sep 2018	1.9m
BANDER-BEYLA	0934z	04 Sep 2018	1.2m
QANDALA	0941z	04 Sep 2018	0.7m
EYL	0948z	04 Sep 2018	0.9m
ABO	0950z	04 Sep 2018	2.3m
HADAAFTIMO	0954z	04 Sep 2018	0.5m
GALDOGOB	1004z	04 Sep 2018	1.1m
MAYDH	1006z	04 Sep 2018	0.7m
XARARDHEERE	1030z	04 Sep 2018	1.3m
CEEL DHEER	1043z	04 Sep 2018	1.6m
MAREEG	1044z	04 Sep 2018	0.9m
ITALA	1050z	04 Sep 2018	0.8m
UARSCIECH	1053z	04 Sep 2018	0.6m
MUQDISHO	1100z	04 Sep 2018	0.7m
SAYLAC	1116z	04 Sep 2018	0.7m
BAKI	1117z	04 Sep 2018	0.7m
LOYADO	1122z	04 Sep 2018	0.9m
JARIIBAN	1127z	04 Sep 2018	0.8m
NE BEERNAASI	1323z	04 Sep 2018	1.0m
BARAAWE	1736z	04 Sep 2018	0.8m
JILIB	2356z	04 Sep 2018	0.5m
KAAMBOONI	0404z	05 Sep 2018	0.5m

SRI LANKA

AMBALANGODA	1129z	04 Sep 2018	0.6m
MATARA	1154z	04 Sep 2018	0.6m
GALLE	1533z	04 Sep 2018	0.8m

BERUWALA	1550z	04 Sep 2018	0.6m
MORATUWA	1912z	04 Sep 2018	0.7m
KIRINDA	2105z	04 Sep 2018	0.8m
HAMBANTOTA	2123z	04 Sep 2018	0.7m
COLOMBO	2230z	04 Sep 2018	0.5m

TANZANIA

MADANGWA	1245z	04 Sep 2018	1.0m
BAGAMOYO	1305z	04 Sep 2018	0.7m
JIMBO	1753z	04 Sep 2018	0.8m
RUVU	1844z	04 Sep 2018	0.6m
MSASANI	2056z	04 Sep 2018	0.7m
ZANZIBAR	2135z	04 Sep 2018	0.8m
WEST TO KONDE	2146z	04 Sep 2018	0.7m
SONGO SONGO ISLAND	2238z	04 Sep 2018	0.5m
KUTANI	2314z	04 Sep 2018	0.5m

UNITED ARAB EMIRATES

KALBA	0648z	04 Sep 2018	3.7m
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UNITED KINGDOM

MORESBY ISLAND	1101z	04 Sep 2018	0.6m
DIEGO GARCIA	1154z	04 Sep 2018	1.4m

YEMEN

DAMQAWT	0834z	04 Sep 2018	0.8m
SOCOTRA ISLAND SOUTH	0840z	04 Sep 2018	1.6m
AL GHAYDAH AIRPORT	0847z	04 Sep 2018	2.2m
SOCOTRA ISLAND NORTH	0850z	04 Sep 2018	1.2m
HUSWAYN	0900z	04 Sep 2018	1.7m
ALQUMRAH	0910z	04 Sep 2018	1.0m
SOCOTRA ISLAND WEST	0912z	04 Sep 2018	0.8m
MASILAH WADI	0918z	04 Sep 2018	1.2m
HARRAH	0922z	04 Sep 2018	1.0m
EAST TO HAMI	0922z	04 Sep 2018	1.0m
HAMI	0934z	04 Sep 2018	1.2m
BROM MAYFA	0943z	04 Sep 2018	0.8m
AL MUKALLA	0951z	04 Sep 2018	1.3m
RUDUM	1000z	04 Sep 2018	0.9m
KHANFAR	1032z	04 Sep 2018	1.7m
ADEN	1053z	04 Sep 2018	1.0m
MAALLAH	1102z	04 Sep 2018	1.6m
QAWAH	1117z	04 Sep 2018	0.8m
AL MUALLA	1148z	04 Sep 2018	0.8m
AHWAR	2101z	04 Sep 2018	0.6m

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.

The threat is deemed to have passed two hours after the forecast time for
last
exceedance of the 0.5m threat threshold for a zone. 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.

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 INDIA for this event as more information becomes available

OTHER INDIAN OCEAN TSUNAMI SERVICE PROVIDERS:

Other IOTWMS-TSPs may issue additional information at:

IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>

IOTWMS-TSP INDONESIA: <http://inatews.bmkg.gov.id>

6. CONTACT INFORMATION

IOTWMS-TSP INDIA:

INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)

Indian National Centre for Ocean Information Services (INCOIS)

Address: "ocean valley", Pragathi Nagar (Bo), Nizampet (So),
Hyderabad - 500 090, India

Phone: 91-40-23895011

Fax: 91-40-23895012

Email: tsunami@incois.gov.in

Web: www.incois.gov.in

END OF BULLETIN

TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST
TEST

BULLETIN 4

```
#####  
#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####  
#####
```

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TEST TEST TEST   TEST TEST TEST TEST TEST TEST TEST TEST  
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-
```

TSUNAMI BULLETIN NUMBER 4
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 0700 UTC Tuesday 04 September 2018

... 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. EARTHQUAKE INFORMATION

IOTWMS-TSP INDIA has detected an earthquake with the following preliminary
information:

Magnitude: 9.0 M
Depth: 10 km
Date: 04 SEP 2018
Origin Time: 0600UTC
Latitude: 24.8 N
Longitude: 58.2 E
Location: OFF COAST OF IRAN

2. EVALUATION

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

Gwadar (PAKISTAN)	25.1 N	62.03 E	0604z	04 Sep 2018	7.24m
Chabahar (IRAN)	25.3 N	60.60 E	0615z	04 Sep 2018	5.96m
Muscat (OMAN)	23.6 N	58.57 E	0621z	04 Sep 2018	6.21m
Majis (OMAN)	24.5 N	56.61 E	0640z	04 Sep 2018	6.50m
23228 (INDIA)	20.8 N	65.35 E	0652z	04 Sep 2018	0.30m
23226 (INDIA)	20.2 N	67.33 E	0657z	04 Sep 2018	0.26m

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated
to
exceed 0.5m amplitude at the beach in each zone (or a different threshold
nominated by an NTWC), and the amplitude of the maximum beach wave
predicted
for the zone. Zones where the estimated wave amplitudes are less than the
threshold amplitude at the beach are not shown.

The list is grouped by country (alphabetic order) and ordered according to
the

earliest estimated times of arrival at the beach.

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	2153z	04 Sep 2018	0.5m
GERALDTON COAST	0534z	05 Sep 2018	0.5m

COMOROS

CHEZANI	1345z	04 Sep 2018	0.7m
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DJIBOUTI

NW ARTA	1124z	04 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1125z	04 Sep 2018	0.9m

FRANCE

ILE KERGUELEN	1856z	04 Sep 2018	1.0m
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INDIA

MANDVI	0814z	04 Sep 2018	2.3m
DWARKA	0819z	04 Sep 2018	1.9m
JAMNAGAR	0823z	04 Sep 2018	1.7m
PORBANDAR	0825z	04 Sep 2018	1.5m
MANGROL	0833z	04 Sep 2018	1.6m
HAZIRA, DIU	0845z	04 Sep 2018	1.7m
AGATTI	0858z	04 Sep 2018	2.2m
AMINI	0906z	04 Sep 2018	1.0m
KAVARATTI	0913z	04 Sep 2018	1.0m
MALVAN BAY	0920z	04 Sep 2018	2.0m
PANAJI	0928z	04 Sep 2018	1.5m
VASCO	0930z	04 Sep 2018	1.6m
JAIGARH	0930z	04 Sep 2018	1.6m
KARWAR	0938z	04 Sep 2018	2.0m
MANGALORE	0959z	04 Sep 2018	1.4m
KASARAGOD	1001z	04 Sep 2018	1.5m
UDUPI	1003z	04 Sep 2018	1.8m
ANDROTH	1004z	04 Sep 2018	0.7m
ALIBAG PORT	1005z	04 Sep 2018	1.5m
MAHE	1005z	04 Sep 2018	1.2m
ALLEPPEY ALAPPUZHA	1007z	04 Sep 2018	1.2m
KANNUR	1010z	04 Sep 2018	0.9m
VADANAPPALLY	1011z	04 Sep 2018	1.4m
MUMBAI	1012z	04 Sep 2018	1.4m
VAKKAD	1015z	04 Sep 2018	1.2m
BEYPORE	1017z	04 Sep 2018	1.0m
COCHIN	1018z	04 Sep 2018	1.4m
TARAPUR	1021z	04 Sep 2018	1.5m
PIPAVAV	1022z	04 Sep 2018	1.3m
QUILON	1026z	04 Sep 2018	1.1m
MAHUVA	1028z	04 Sep 2018	1.5m
KHAMBAT	1033z	04 Sep 2018	1.2m
TRIVANDRUM	1036z	04 Sep 2018	1.3m
BHARUCH	1100z	04 Sep 2018	1.6m
KANYAKUMARI	1105z	04 Sep 2018	1.4m
BORSI	1109z	04 Sep 2018	1.0m
HAZIRA	1110z	04 Sep 2018	1.2m
DAMAN	1114z	04 Sep 2018	1.3m
KOODANKULAM	1115z	04 Sep 2018	1.4m

TUTICORIN	1406z	04 Sep 2018	1.3m
RAMESWARAM	1438z	04 Sep 2018	0.7m
KOTTTAIPPATTANAM	2148z	04 Sep 2018	0.5m

INDONESIA

SUMUT NIAS B	1917z	04 Sep 2018	0.6m
MUARASIBERUT	0250z	05 Sep 2018	0.7m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0321z	05 Sep 2018	0.5m
SUMBAR KOTA-PADANG U	0339z	05 Sep 2018	0.6m
NIAS-EAST	0412z	05 Sep 2018	0.5m

IRAN

PUSHT	0604z	04 Sep 2018	7.1m
BIR	0606z	04 Sep 2018	5.9m
MISKI	0716z	04 Sep 2018	3.3m

KENYA

MALINDI	1243z	04 Sep 2018	1.7m
KISIMACHANDE	1311z	04 Sep 2018	0.9m
KIWAYU	1417z	04 Sep 2018	1.0m
KIPINI	1432z	04 Sep 2018	0.8m
MVULENI	2321z	04 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1252z	04 Sep 2018	0.9m
AMBAHY	1503z	04 Sep 2018	0.9m
TAMPOLO	1711z	04 Sep 2018	0.8m
TOAMASINA AIRPORT	1855z	04 Sep 2018	0.8m
ANOROTSANGANA	1902z	04 Sep 2018	0.7m
GLORIOSO ISLANDS	2357z	04 Sep 2018	0.5m
MANANTENINA	0316z	05 Sep 2018	0.6m

MALDIVES

GOIDHOO	0928z	04 Sep 2018	1.7m
KULHUDUFFUSHI	0931z	04 Sep 2018	1.6m
FERIDHOO	0949z	04 Sep 2018	1.1m
NILANDHOO	0958z	04 Sep 2018	1.0m
DHIYAMIGILI	1005z	04 Sep 2018	1.1m
MALE	1016z	04 Sep 2018	2.1m
THINADHOO	1021z	04 Sep 2018	1.3m
HITHADHOO	1031z	04 Sep 2018	0.7m
KOLHUFUSHI	1039z	04 Sep 2018	0.8m

MAURITIUS

CARGADOS CARAJOS	1413z	04 Sep 2018	0.8m
LA FERME	1423z	04 Sep 2018	0.6m

MOZAMBIQUE

MAGANJA	1732z	04 Sep 2018	1.0m
PEMBA	1854z	04 Sep 2018	0.7m
MERONVI	1901z	04 Sep 2018	0.8m
TAVARI	1946z	04 Sep 2018	0.7m
QUITERAJO	2026z	04 Sep 2018	0.8m
NANGATA	2237z	04 Sep 2018	0.7m

MOGINCUAL	0214z	05 Sep 2018	0.6m
MAGUEMBA	0627z	05 Sep 2018	0.6m

OMAN

MUSCAT	0617z	04 Sep 2018	5.6m
QURAYYAT	0621z	04 Sep 2018	8.5m
BARKA	0623z	04 Sep 2018	3.8m
AL KHABURAH	0629z	04 Sep 2018	3.0m
SUR	0629z	04 Sep 2018	7.1m
SOHAR	0637z	04 Sep 2018	4.3m
AL ASHKHARAH	0648z	04 Sep 2018	4.0m
MASIRAH	0702z	04 Sep 2018	2.2m
RAS AR RUWAYS	0709z	04 Sep 2018	3.3m
EAST MUSANDAM	0714z	04 Sep 2018	4.3m
AD DUQM	0730z	04 Sep 2018	2.9m
HASIK	0805z	04 Sep 2018	1.9m
AL JAZER	0810z	04 Sep 2018	1.7m
MIRBAT	0812z	04 Sep 2018	0.7m
TAQAH	0823z	04 Sep 2018	0.5m
SALALAH	0826z	04 Sep 2018	2.0m

PAKISTAN

ORMARA	0603z	04 Sep 2018	7.2m
WINDER	0653z	04 Sep 2018	2.4m
KARACHI	0730z	04 Sep 2018	2.4m
SINDH	0736z	04 Sep 2018	2.4m

SEYCHELLES

FREGATE ISLAND	1049z	04 Sep 2018	0.9m
TAKAMAKA	1145z	04 Sep 2018	1.0m

SOMALIA

TOOXIN	0926z	04 Sep 2018	1.9m
BANDER-BEYLA	0934z	04 Sep 2018	1.2m
QANDALA	0941z	04 Sep 2018	0.7m
EYL	0948z	04 Sep 2018	0.9m
ABO	0950z	04 Sep 2018	2.3m
HADAAFTIMO	0954z	04 Sep 2018	0.5m
GALDOGOB	1004z	04 Sep 2018	1.1m
MAYDH	1006z	04 Sep 2018	0.7m
XARARDHEERE	1030z	04 Sep 2018	1.3m
CEEL DHEER	1043z	04 Sep 2018	1.6m
MAREEG	1044z	04 Sep 2018	0.9m
ITALA	1050z	04 Sep 2018	0.8m
UARSCIECH	1053z	04 Sep 2018	0.6m
MUQDISHO	1100z	04 Sep 2018	0.7m
SAYLAC	1116z	04 Sep 2018	0.7m
BAKI	1117z	04 Sep 2018	0.7m
LOYADO	1122z	04 Sep 2018	0.9m
JARIIBAN	1127z	04 Sep 2018	0.8m
NE BEERNAASI	1323z	04 Sep 2018	1.0m
BARAAWE	1736z	04 Sep 2018	0.8m
JILIB	2356z	04 Sep 2018	0.5m
KAAMBOONI	0404z	05 Sep 2018	0.5m

SRI LANKA

AMBALANGODA	1129z	04 Sep 2018	0.6m
MATARA	1154z	04 Sep 2018	0.6m
GALLE	1533z	04 Sep 2018	0.8m
BERUWALA	1550z	04 Sep 2018	0.6m
MORATUWA	1912z	04 Sep 2018	0.7m
KIRINDA	2105z	04 Sep 2018	0.8m
HAMBANTOTA	2123z	04 Sep 2018	0.7m
COLOMBO	2230z	04 Sep 2018	0.5m

TANZANIA

MADANGWA	1245z	04 Sep 2018	1.0m
BAGAMOYO	1305z	04 Sep 2018	0.7m
JIMBO	1753z	04 Sep 2018	0.8m
RUVU	1844z	04 Sep 2018	0.6m
MSASANI	2056z	04 Sep 2018	0.7m
ZANZIBAR	2135z	04 Sep 2018	0.8m
WEST TO KONDE	2146z	04 Sep 2018	0.7m
SONGO SONGO ISLAND	2238z	04 Sep 2018	0.5m
KUTANI	2314z	04 Sep 2018	0.5m

UNITED ARAB EMIRATES

KALBA	0648z	04 Sep 2018	3.7m
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UNITED KINGDOM

MORESBY ISLAND	1101z	04 Sep 2018	0.6m
DIEGO GARCIA	1154z	04 Sep 2018	1.4m

YEMEN

DAMQAWT	0834z	04 Sep 2018	0.8m
SOCOTRA ISLAND SOUTH	0840z	04 Sep 2018	1.6m
AL GHAYDAH AIRPORT	0847z	04 Sep 2018	2.2m
SOCOTRA ISLAND NORTH	0850z	04 Sep 2018	1.2m
HUSWAYN	0900z	04 Sep 2018	1.7m
ALQUMRAH	0910z	04 Sep 2018	1.0m
SOCOTRA ISLAND WEST	0912z	04 Sep 2018	0.8m
MASILAH WADI	0918z	04 Sep 2018	1.2m
HARRAH	0922z	04 Sep 2018	1.0m
EAST TO HAMI	0922z	04 Sep 2018	1.0m
HAMI	0934z	04 Sep 2018	1.2m
BROM MAYFA	0943z	04 Sep 2018	0.8m
AL MUKALLA	0951z	04 Sep 2018	1.3m
RUDUM	1000z	04 Sep 2018	0.9m
KHANFAR	1032z	04 Sep 2018	1.7m
ADEN	1053z	04 Sep 2018	1.0m
MAALLAH	1102z	04 Sep 2018	1.6m
QAWAH	1117z	04 Sep 2018	0.8m
AL MUALLA	1148z	04 Sep 2018	0.8m
AHWAR	2101z	04 Sep 2018	0.6m

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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.

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 INDIA for this event as more information becomes available

OTHER INDIAN OCEAN TSUNAMI SERVICE PROVIDERS:

Other IOTWMS-TSPs may issue additional information at:
 IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>
 IOTWMS-TSP INDONESIA: <http://inatews.bmkg.gov.id>

6. CONTACT INFORMATION

IOTWMS-TSP INDIA:
INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)
Indian National Centre for Ocean Information Services (INCOIS)
Address: "ocean valley", Pragathi Nagar (Bo), Nizampet (So),
Hyderabad - 500 090, India
Phone: 91-40-23895011
Fax: 91-40-23895012
Email: tsunami@incois.gov.in
Web: www.incois.gov.in

END OF BULLETIN

[illegible]

BULLETIN 5

```
#####  
#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####  
#####
```

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-----  
-  
TEST TEST TEST   TEST TEST TEST TEST TEST TEST TEST TEST  
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```

TSUNAMI BULLETIN NUMBER 5
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 0800 UTC Tuesday 04 September 2018

... 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. EARTHQUAKE INFORMATION

IOTWMS-TSP INDIA has detected an earthquake with the following preliminary
information:

Magnitude: 9.0 M
Depth: 10 km
Date: 04 SEP 2018
Origin Time: 0600UTC
Latitude: 24.8 N
Longitude: 58.2 E
Location: OFF COAST OF IRAN

2. EVALUATION

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

Gwadar (PAKISTAN)	25.1 N	62.03 E	0604z	04 Sep 2018	7.24m
Chabahar (IRAN)	25.3 N	60.60 E	0615z	04 Sep 2018	5.96m
Muscat (OMAN)	23.6 N	58.57 E	0621z	04 Sep 2018	6.21m
Majis (OMAN)	24.5 N	56.61 E	0640z	04 Sep 2018	6.50m
23228 (INDIA)	20.8 N	65.35 E	0652z	04 Sep 2018	0.30m
23226 (INDIA)	20.2 N	67.33 E	0657z	04 Sep 2018	0.26m
Masirah (OMAN)	20.6 N	58.87 E	0706z	04 Sep 2018	1.88m

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated
to

exceed 0.5m amplitude at the beach in each zone (or a different threshold
nominated by an NTWC), and the amplitude of the maximum beach wave
predicted

for the zone. Zones where the estimated wave amplitudes are less than the
threshold amplitude at the beach are not shown.

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

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	2153z	04 Sep 2018	0.5m
GERALDTON COAST	0534z	05 Sep 2018	0.5m

COMOROS

CHEZANI 1345z 04 Sep 2018 0.7m

DJIBOUTI

NW ARTA	1124z	04 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1125z	04 Sep 2018	0.9m

FRANCE

ILE KERGUELEN 1856z 04 Sep 2018 1.0m

INDIA

MANDVI	0814z	04 Sep 2018	2.3m
DWARKA	0819z	04 Sep 2018	1.9m
JAMNAGAR	0823z	04 Sep 2018	1.7m
PORBANDAR	0825z	04 Sep 2018	1.5m
MANGROL	0833z	04 Sep 2018	1.6m
HAZIRA, DIU	0845z	04 Sep 2018	1.7m
AGATTI	0858z	04 Sep 2018	2.2m
AMINI	0906z	04 Sep 2018	1.0m
KAVARATTI	0913z	04 Sep 2018	1.0m
MALVAN BAY	0920z	04 Sep 2018	2.0m
PANAJI	0928z	04 Sep 2018	1.5m
VASCO	0930z	04 Sep 2018	1.6m
JAIGARH	0930z	04 Sep 2018	1.6m
KARWAR	0938z	04 Sep 2018	2.0m
MANGALORE	0959z	04 Sep 2018	1.4m
KASARAGOD	1001z	04 Sep 2018	1.5m
UDUPI	1003z	04 Sep 2018	1.8m
ANDROTH	1004z	04 Sep 2018	0.7m
ALIBAG PORT	1005z	04 Sep 2018	1.5m
MAHE	1005z	04 Sep 2018	1.2m
ALLEPPEY ALAPPUZHA	1007z	04 Sep 2018	1.2m
KANNUR	1010z	04 Sep 2018	0.9m
VADANAPPALLY	1011z	04 Sep 2018	1.4m
MUMBAI	1012z	04 Sep 2018	1.4m
VAKKAD	1015z	04 Sep 2018	1.2m
BEYPORE	1017z	04 Sep 2018	1.0m
COCHIN	1018z	04 Sep 2018	1.4m
TARAPUR	1021z	04 Sep 2018	1.5m
PIPAVAV	1022z	04 Sep 2018	1.3m
QUILON	1026z	04 Sep 2018	1.1m
MAHUVA	1028z	04 Sep 2018	1.5m
KHAMBAT	1033z	04 Sep 2018	1.2m
TRIVANDRUM	1036z	04 Sep 2018	1.3m
BHARUCH	1100z	04 Sep 2018	1.6m
KANYAKUMARI	1105z	04 Sep 2018	1.4m
BORSI	1109z	04 Sep 2018	1.0m
HAZIRA	1110z	04 Sep 2018	1.2m

DAMAN	1114z	04 Sep 2018	1.3m
KOODANKULAM	1115z	04 Sep 2018	1.4m
TUTICORIN	1406z	04 Sep 2018	1.3m
RAMESWARAM	1438z	04 Sep 2018	0.7m
KOTTTAIPPATTANAM	2148z	04 Sep 2018	0.5m

INDONESIA

SUMUT NIAS B	1917z	04 Sep 2018	0.6m
MUARASIBERUT	0250z	05 Sep 2018	0.7m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0321z	05 Sep 2018	0.5m
SUMBAR KOTA-PADANG U	0339z	05 Sep 2018	0.6m
NIAS-EAST	0412z	05 Sep 2018	0.5m

IRAN

PUSHT	0604z	04 Sep 2018	7.1m
BIR	0606z	04 Sep 2018	5.9m
MISKI	0716z	04 Sep 2018	3.3m

KENYA

MALINDI	1243z	04 Sep 2018	1.7m
KISIMACHANDE	1311z	04 Sep 2018	0.9m
KIWAYU	1417z	04 Sep 2018	1.0m
KIPINI	1432z	04 Sep 2018	0.8m
MVULENI	2321z	04 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1252z	04 Sep 2018	0.9m
AMBAHY	1503z	04 Sep 2018	0.9m
TAMPOLO	1711z	04 Sep 2018	0.8m
TOAMASINA AIRPORT	1855z	04 Sep 2018	0.8m
ANOROTSANGANA	1902z	04 Sep 2018	0.7m
GLORIOSO ISLANDS	2357z	04 Sep 2018	0.5m
MANANTENINA	0316z	05 Sep 2018	0.6m

MALDIVES

GOIDHOO	0928z	04 Sep 2018	1.7m
KULHUDUFFUSHI	0931z	04 Sep 2018	1.6m
FERIDHOO	0949z	04 Sep 2018	1.1m
NILANDHOO	0958z	04 Sep 2018	1.0m
DHIYAMIGILI	1005z	04 Sep 2018	1.1m
MALE	1016z	04 Sep 2018	2.1m
THINADHOO	1021z	04 Sep 2018	1.3m
HITHADHOO	1031z	04 Sep 2018	0.7m
KOLHUFUSHI	1039z	04 Sep 2018	0.8m

MAURITIUS

CARGADOS CARAJOS	1413z	04 Sep 2018	0.8m
LA FERME	1423z	04 Sep 2018	0.6m

MOZAMBIQUE

MAGANJA	1732z	04 Sep 2018	1.0m
PEMBA	1854z	04 Sep 2018	0.7m
MERONVI	1901z	04 Sep 2018	0.8m
TAVARI	1946z	04 Sep 2018	0.7m

QUITERAJÓ	2026z	04 Sep 2018	0.8m
NANGATA	2237z	04 Sep 2018	0.7m
MOGINCUAL	0214z	05 Sep 2018	0.6m
MAGUEMBA	0627z	05 Sep 2018	0.6m

OMAN

MUSCAT	0617z	04 Sep 2018	5.6m
QURAYYAT	0621z	04 Sep 2018	8.5m
BARKA	0623z	04 Sep 2018	3.8m
AL KHABURAH	0629z	04 Sep 2018	3.0m
SUR	0629z	04 Sep 2018	7.1m
SOHAR	0637z	04 Sep 2018	4.3m
AL ASHKHARAH	0648z	04 Sep 2018	4.0m
MASIRAH	0702z	04 Sep 2018	2.2m
RAS AR RUWAYS	0709z	04 Sep 2018	3.3m
EAST MUSANDAM	0714z	04 Sep 2018	4.3m
AD DUQM	0730z	04 Sep 2018	2.9m
HASIK	0805z	04 Sep 2018	1.9m
AL JAZER	0810z	04 Sep 2018	1.7m
MIRBAT	0812z	04 Sep 2018	0.7m
TAQAH	0823z	04 Sep 2018	0.5m
SALALAH	0826z	04 Sep 2018	2.0m

PAKISTAN

ORMARA	0603z	04 Sep 2018	7.2m
WINDER	0653z	04 Sep 2018	2.4m
KARACHI	0730z	04 Sep 2018	2.4m
SINDH	0736z	04 Sep 2018	2.4m

SEYCHELLES

FREGATE ISLAND	1049z	04 Sep 2018	0.9m
TAKAMAKA	1145z	04 Sep 2018	1.0m

SOMALIA

TOOXIN	0926z	04 Sep 2018	1.9m
BANDER-BEYLA	0934z	04 Sep 2018	1.2m
QANDALA	0941z	04 Sep 2018	0.7m
EYL	0948z	04 Sep 2018	0.9m
ABO	0950z	04 Sep 2018	2.3m
HADAAFTIMO	0954z	04 Sep 2018	0.5m
GALDOGOB	1004z	04 Sep 2018	1.1m
MAYDH	1006z	04 Sep 2018	0.7m
XARARDHEERE	1030z	04 Sep 2018	1.3m
CEEL DHEER	1043z	04 Sep 2018	1.6m
MAREEG	1044z	04 Sep 2018	0.9m
ITALA	1050z	04 Sep 2018	0.8m
UARSCIECH	1053z	04 Sep 2018	0.6m
MUQDISHO	1100z	04 Sep 2018	0.7m
SAYLAC	1116z	04 Sep 2018	0.7m
BAKI	1117z	04 Sep 2018	0.7m
LOYADO	1122z	04 Sep 2018	0.9m
JARIIBAN	1127z	04 Sep 2018	0.8m
NE BEERNAASI	1323z	04 Sep 2018	1.0m
BARAAWE	1736z	04 Sep 2018	0.8m
JILIB	2356z	04 Sep 2018	0.5m
KAAMBOONI	0404z	05 Sep 2018	0.5m

SRI LANKA

AMBALANGODA	1129z	04 Sep 2018	0.6m
MATARA	1154z	04 Sep 2018	0.6m
GALLE	1533z	04 Sep 2018	0.8m
BERUWALA	1550z	04 Sep 2018	0.6m
MORATUWA	1912z	04 Sep 2018	0.7m
KIRINDA	2105z	04 Sep 2018	0.8m
HAMBANTOTA	2123z	04 Sep 2018	0.7m
COLOMBO	2230z	04 Sep 2018	0.5m

TANZANIA

MADANGWA	1245z	04 Sep 2018	1.0m
BAGAMOYO	1305z	04 Sep 2018	0.7m
JIMBO	1753z	04 Sep 2018	0.8m
RUVU	1844z	04 Sep 2018	0.6m
MSASANI	2056z	04 Sep 2018	0.7m
ZANZIBAR	2135z	04 Sep 2018	0.8m
WEST TO KONDE	2146z	04 Sep 2018	0.7m
SONGO SONGO ISLAND	2238z	04 Sep 2018	0.5m
KUTANI	2314z	04 Sep 2018	0.5m

UNITED ARAB EMIRATES

KALBA	0648z	04 Sep 2018	3.7m
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UNITED KINGDOM

MORESBY ISLAND	1101z	04 Sep 2018	0.6m
DIEGO GARCIA	1154z	04 Sep 2018	1.4m

YEMEN

DAMQAWT	0834z	04 Sep 2018	0.8m
SOCOTRA ISLAND SOUTH	0840z	04 Sep 2018	1.6m
AL GHAYDAH AIRPORT	0847z	04 Sep 2018	2.2m
SOCOTRA ISLAND NORTH	0850z	04 Sep 2018	1.2m
HUSWAYN	0900z	04 Sep 2018	1.7m
ALQUMRAH	0910z	04 Sep 2018	1.0m
SOCOTRA ISLAND WEST	0912z	04 Sep 2018	0.8m
MASILAH WADI	0918z	04 Sep 2018	1.2m
HARRAH	0922z	04 Sep 2018	1.0m
EAST TO HAMI	0922z	04 Sep 2018	1.0m
HAMI	0934z	04 Sep 2018	1.2m
BROM MAYFA	0943z	04 Sep 2018	0.8m
AL MUKALLA	0951z	04 Sep 2018	1.3m
RUDUM	1000z	04 Sep 2018	0.9m
KHANFAR	1032z	04 Sep 2018	1.7m
ADEN	1053z	04 Sep 2018	1.0m
MAALLAH	1102z	04 Sep 2018	1.6m
QAWAH	1117z	04 Sep 2018	0.8m
AL MUALLA	1148z	04 Sep 2018	0.8m
AHWAR	2101z	04 Sep 2018	0.6m

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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.

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 INDIA for this event as more information becomes available

OTHER INDIAN OCEAN TSUNAMI SERVICE PROVIDERS:

Other IOTWMS-TSPs may issue additional information at:
 IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>
 IOTWMS-TSP INDONESIA: <http://inatews.bmkg.gov.id>

6. CONTACT INFORMATION

IOTWMS-TSP INDIA:
INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)
Indian National Centre for Ocean Information Services (INCOIS)
Address:"ocean valley", Pragathi Nagar (Bo), Nizampet (So),
Hyderabad - 500 090, India
Phone: 91-40-23895011
Fax: 91-40-23895012
Email: tsunami@incois.gov.in
Web: www.incois.gov.in

END OF BULLETIN

[illegible]

BULLETIN 6

```
#####  
#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####  
#####
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-  
TEST TEST TEST   TEST TEST TEST TEST TEST TEST TEST TEST  
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-
```

TSUNAMI BULLETIN NUMBER 6
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 0900 UTC Tuesday 04 September 2018

... 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. EARTHQUAKE INFORMATION

IOTWMS-TSP INDIA has detected an earthquake with the following preliminary
information:

Magnitude: 9.0 M
Depth: 10 km
Date: 04 SEP 2018
Origin Time: 0600UTC
Latitude: 24.8 N
Longitude: 58.2 E
Location: OFF COAST OF IRAN

2. EVALUATION

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

Gwadar (PAKISTAN)	25.1 N	62.03 E	0604z	04 Sep 2018	7.24m
Chabahar (IRAN)	25.3 N	60.60 E	0615z	04 Sep 2018	5.96m
Muscat (OMAN)	23.6 N	58.57 E	0621z	04 Sep 2018	6.21m
Majis (OMAN)	24.5 N	56.61 E	0640z	04 Sep 2018	6.50m
23228 (INDIA)	20.8 N	65.35 E	0652z	04 Sep 2018	0.30m
23226 (INDIA)	20.2 N	67.33 E	0657z	04 Sep 2018	0.26m
Masirah (OMAN)	20.6 N	58.87 E	0706z	04 Sep 2018	1.88m
Salalah (OMAN)	16.9 N	54.01 E	0833z	04 Sep 2018	0.77m
Ormara_PK (PAKISTAN)	25.2 N	64.07 E	0842z	04 Sep 2018	3.53m

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated
to
exceed 0.5m amplitude at the beach in each zone (or a different threshold
nominated by an NTWC), and the amplitude of the maximum beach wave
predicted
for the zone. Zones where the estimated wave amplitudes are less than the
threshold amplitude at the beach are not shown.

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

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	2153z	04 Sep 2018	0.5m
GERALDTON COAST	0534z	05 Sep 2018	0.5m

COMOROS

CHEZANI 1345z 04 Sep 2018 0.7m

DJIBOUTI

NW ARTA	1124z	04 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1125z	04 Sep 2018	0.9m

FRANCE

ILE KERGUELEN 1856z 04 Sep 2018 1.0m

INDIA

MANDVI	0814z	04 Sep 2018	2.3m
DWARKA	0819z	04 Sep 2018	1.9m
JAMNAGAR	0823z	04 Sep 2018	1.7m
PORBANDAR	0825z	04 Sep 2018	1.5m
MANGROL	0833z	04 Sep 2018	1.6m
HAZIRA, DIU	0845z	04 Sep 2018	1.7m
AGATTI	0858z	04 Sep 2018	2.2m
AMINI	0906z	04 Sep 2018	1.0m
KAVARATTI	0913z	04 Sep 2018	1.0m
MALVAN BAY	0920z	04 Sep 2018	2.0m
PANAJI	0928z	04 Sep 2018	1.5m
VASCO	0930z	04 Sep 2018	1.6m
JAIGARH	0930z	04 Sep 2018	1.6m
KARWAR	0938z	04 Sep 2018	2.0m
MANGALORE	0959z	04 Sep 2018	1.4m
KASARAGOD	1001z	04 Sep 2018	1.5m
UDUPI	1003z	04 Sep 2018	1.8m
ANDROTH	1004z	04 Sep 2018	0.7m
ALIBAG PORT	1005z	04 Sep 2018	1.5m
MAHE	1005z	04 Sep 2018	1.2m
ALLEPPEY ALAPPUZHA	1007z	04 Sep 2018	1.2m
KANNUR	1010z	04 Sep 2018	0.9m
VADANAPPALLY	1011z	04 Sep 2018	1.4m
MUMBAI	1012z	04 Sep 2018	1.4m
VAKKAD	1015z	04 Sep 2018	1.2m
BEYPORE	1017z	04 Sep 2018	1.0m
COCHIN	1018z	04 Sep 2018	1.4m
TARAPUR	1021z	04 Sep 2018	1.5m
PIPAVAV	1022z	04 Sep 2018	1.3m
QUILON	1026z	04 Sep 2018	1.1m
MAHUA	1028z	04 Sep 2018	1.5m
KHAMBAT	1033z	04 Sep 2018	1.2m
TRIVANDRUM	1036z	04 Sep 2018	1.3m
BHARUCH	1100z	04 Sep 2018	1.6m
KANYAKUMARI	1105z	04 Sep 2018	1.4m
BORSI	1109z	04 Sep 2018	1.0m

HAZIRA	1110z	04 Sep 2018	1.2m
DAMAN	1114z	04 Sep 2018	1.3m
KOODANKULAM	1115z	04 Sep 2018	1.4m
TUTICORIN	1406z	04 Sep 2018	1.3m
RAMESWARAM	1438z	04 Sep 2018	0.7m
KOTTTAIPPATTANAM	2148z	04 Sep 2018	0.5m

INDONESIA

SUMUT NIAS B	1917z	04 Sep 2018	0.6m
MUARASIBERUT	0250z	05 Sep 2018	0.7m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0321z	05 Sep 2018	0.5m
SUMBAR KOTA-PADANG U	0339z	05 Sep 2018	0.6m
NIAS-EAST	0412z	05 Sep 2018	0.5m

IRAN

PUSHT	0604z	04 Sep 2018	7.1m
BIR	0606z	04 Sep 2018	5.9m
MISKI	0716z	04 Sep 2018	3.3m

KENYA

MALINDI	1243z	04 Sep 2018	1.7m
KISIMACHANDE	1311z	04 Sep 2018	0.9m
KIWAYU	1417z	04 Sep 2018	1.0m
KIPINI	1432z	04 Sep 2018	0.8m
MVULENI	2321z	04 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1252z	04 Sep 2018	0.9m
AMBAHY	1503z	04 Sep 2018	0.9m
TAMPOLO	1711z	04 Sep 2018	0.8m
TOAMASINA AIRPORT	1855z	04 Sep 2018	0.8m
ANOROTSANGANA	1902z	04 Sep 2018	0.7m
GLORIOSO ISLANDS	2357z	04 Sep 2018	0.5m
MANANTENINA	0316z	05 Sep 2018	0.6m

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GOIDHOO	0928z	04 Sep 2018	1.7m
KULHUDUFFUSHI	0931z	04 Sep 2018	1.6m
FERIDHOO	0949z	04 Sep 2018	1.1m
NILANDHOO	0958z	04 Sep 2018	1.0m
DHIYAMIGILI	1005z	04 Sep 2018	1.1m
MALE	1016z	04 Sep 2018	2.1m
THINADHOO	1021z	04 Sep 2018	1.3m
HITHADHOO	1031z	04 Sep 2018	0.7m
KOLHUFUSHI	1039z	04 Sep 2018	0.8m

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CARGADOS CARAJOS	1413z	04 Sep 2018	0.8m
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MOZAMBIQUE

MAGANJA	1732z	04 Sep 2018	1.0m
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MERONVI	1901z	04 Sep 2018	0.8m

TAVARI	1946z	04 Sep 2018	0.7m
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NANGATA	2237z	04 Sep 2018	0.7m
MOGINCUAL	0214z	05 Sep 2018	0.6m
MAGUEMBA	0627z	05 Sep 2018	0.6m

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MUSCAT	0617z	04 Sep 2018	5.6m
QURAYYAT	0621z	04 Sep 2018	8.5m
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AL KHABURAH	0629z	04 Sep 2018	3.0m
SUR	0629z	04 Sep 2018	7.1m
SOHAR	0637z	04 Sep 2018	4.3m
AL ASHKHARAH	0648z	04 Sep 2018	4.0m
MASIRAH	0702z	04 Sep 2018	2.2m
RAS AR RUWAYS	0709z	04 Sep 2018	3.3m
EAST MUSANDAM	0714z	04 Sep 2018	4.3m
AD DUQM	0730z	04 Sep 2018	2.9m
HASIK	0805z	04 Sep 2018	1.9m
AL JAZER	0810z	04 Sep 2018	1.7m
MIRBAT	0812z	04 Sep 2018	0.7m
TAQAH	0823z	04 Sep 2018	0.5m
SALALAH	0826z	04 Sep 2018	2.0m

PAKISTAN

ORMARA	0603z	04 Sep 2018	7.2m
WINDER	0653z	04 Sep 2018	2.4m
KARACHI	0730z	04 Sep 2018	2.4m
SINDH	0736z	04 Sep 2018	2.4m

SEYCHELLES

FREGATE ISLAND	1049z	04 Sep 2018	0.9m
TAKAMAKA	1145z	04 Sep 2018	1.0m

SOMALIA

TOOXIN	0926z	04 Sep 2018	1.9m
BANDER-BEYLA	0934z	04 Sep 2018	1.2m
QANDALA	0941z	04 Sep 2018	0.7m
EYL	0948z	04 Sep 2018	0.9m
ABO	0950z	04 Sep 2018	2.3m
HADAAFTIMO	0954z	04 Sep 2018	0.5m
GALDOGOB	1004z	04 Sep 2018	1.1m
MAYDH	1006z	04 Sep 2018	0.7m
XARARDHEERE	1030z	04 Sep 2018	1.3m
CEEL DHEER	1043z	04 Sep 2018	1.6m
MAREEG	1044z	04 Sep 2018	0.9m
ITALA	1050z	04 Sep 2018	0.8m
UARSCIECH	1053z	04 Sep 2018	0.6m
MUQDISHO	1100z	04 Sep 2018	0.7m
SAYLAC	1116z	04 Sep 2018	0.7m
BAKI	1117z	04 Sep 2018	0.7m
LOYADO	1122z	04 Sep 2018	0.9m
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NE BEERNAASI	1323z	04 Sep 2018	1.0m
BARAAWE	1736z	04 Sep 2018	0.8m
JILIB	2356z	04 Sep 2018	0.5m
KAAMBOONI	0404z	05 Sep 2018	0.5m

SRI LANKA

AMBALANGODA	1129z	04 Sep 2018	0.6m
MATARA	1154z	04 Sep 2018	0.6m
GALLE	1533z	04 Sep 2018	0.8m
BERUWALA	1550z	04 Sep 2018	0.6m
MORATUWA	1912z	04 Sep 2018	0.7m
KIRINDA	2105z	04 Sep 2018	0.8m
HAMBANTOTA	2123z	04 Sep 2018	0.7m
COLOMBO	2230z	04 Sep 2018	0.5m

TANZANIA

MADANGWA	1245z	04 Sep 2018	1.0m
BAGAMOYO	1305z	04 Sep 2018	0.7m
JIMBO	1753z	04 Sep 2018	0.8m
RUVU	1844z	04 Sep 2018	0.6m
MSASANI	2056z	04 Sep 2018	0.7m
ZANZIBAR	2135z	04 Sep 2018	0.8m
WEST TO KONDE	2146z	04 Sep 2018	0.7m
SONGO SONGO ISLAND	2238z	04 Sep 2018	0.5m
KUTANI	2314z	04 Sep 2018	0.5m

UNITED ARAB EMIRATES

KALBA	0648z	04 Sep 2018	3.7m
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UNITED KINGDOM

MORESBY ISLAND	1101z	04 Sep 2018	0.6m
DIEGO GARCIA	1154z	04 Sep 2018	1.4m

YEMEN

DAMQAWT	0834z	04 Sep 2018	0.8m
SOCOTRA ISLAND SOUTH	0840z	04 Sep 2018	1.6m
AL GHAYDAH AIRPORT	0847z	04 Sep 2018	2.2m
SOCOTRA ISLAND NORTH	0850z	04 Sep 2018	1.2m
HUSWAYN	0900z	04 Sep 2018	1.7m
ALQUMRAH	0910z	04 Sep 2018	1.0m
SOCOTRA ISLAND WEST	0912z	04 Sep 2018	0.8m
MASILAH WADI	0918z	04 Sep 2018	1.2m
HARRAH	0922z	04 Sep 2018	1.0m
EAST TO HAMI	0922z	04 Sep 2018	1.0m
HAMI	0934z	04 Sep 2018	1.2m
BROM MAYFA	0943z	04 Sep 2018	0.8m
AL MUKALLA	0951z	04 Sep 2018	1.3m
RUDUM	1000z	04 Sep 2018	0.9m
KHANFAR	1032z	04 Sep 2018	1.7m
ADEN	1053z	04 Sep 2018	1.0m
MAALLAH	1102z	04 Sep 2018	1.6m
QAWAH	1117z	04 Sep 2018	0.8m
AL MUALLA	1148z	04 Sep 2018	0.8m
AHWAR	2101z	04 Sep 2018	0.6m

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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.

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 INDIA for this event as more information becomes available

OTHER INDIAN OCEAN TSUNAMI SERVICE PROVIDERS:

Other IOTWMS-TSPs may issue additional information at:
 IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>
 IOTWMS-TSP INDONESIA: <http://inatews.bmkg.gov.id>

6. CONTACT INFORMATION

IOTWMS-TSP INDIA:

INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)
Indian National Centre for Ocean Information Services (INCOIS)
Address: "ocean valley", Pragathi Nagar (Bo), Nizampet (So),
Hyderabad - 500 090, India
Phone: 91-40-23895011
Fax: 91-40-23895012
Email: tsunami@incois.gov.in
Web: www.incois.gov.in

END OF BULLETIN

[illegible]

BULLETIN 7

```
#####  
#  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####  
#
```

```
-----  
-  
TEST TEST TEST   TEST TEST TEST TEST TEST TEST TEST TEST  
-----  
-
```

```
TSUNAMI BULLETIN NUMBER 7  
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)  
ISSUED AT 1000 UTC Tuesday 04 September 2018  
-----  
-
```

... 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. EARTHQUAKE INFORMATION

IOTWMS-TSP INDIA has detected an earthquake with the following preliminary information:

Magnitude: 9.0 M
Depth: 10 km
Date: 04 SEP 2018
Origin Time: 0600UTC
Latitude: 24.8 N
Longitude: 58.2 E
Location: OFF COAST OF IRAN

2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.

Maximum wave amplitudes observed so far:

Gwadar (PAKISTAN)	25.1 N	62.03 E	0604z	04 Sep 2018	7.24m
Chabahar (IRAN)	25.3 N	60.60 E	0615z	04 Sep 2018	5.96m
Muscat (OMAN)	23.6 N	58.57 E	0621z	04 Sep 2018	6.21m
Majis (OMAN)	24.5 N	56.61 E	0640z	04 Sep 2018	6.50m
23228 (INDIA)	20.8 N	65.35 E	0652z	04 Sep 2018	0.30m
23226 (INDIA)	20.2 N	67.33 E	0657z	04 Sep 2018	0.26m
Masirah (OMAN)	20.6 N	58.87 E	0706z	04 Sep 2018	1.88m
Salalah (OMAN)	16.9 N	54.01 E	0833z	04 Sep 2018	0.77m
Ormara_PK (PAKISTAN)	25.2 N	64.07 E	0842z	04 Sep 2018	3.53m
Veraval (INDIA)	20.9 N	70.36 E	0910z	04 Sep 2018	2.00m
Minicoy (INDIA)	8.28 N	73.05 E	0930z	04 Sep 2018	0.41m

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to

exceed 0.5m amplitude at the beach in each zone (or a different threshold nominated by an NTWC), and the amplitude of the maximum beach wave predicted

for the zone. Zones where the estimated wave amplitudes are less than the threshold amplitude at the beach are not shown.

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

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS 2153z 04 Sep 2018 0.5m
GERALDTON COAST 0534z 05 Sep 2018 0.5m

COMOROS

CHEZANI 1345z 04 Sep 2018 0.7m

DJIBOUTI

NW ARTA 1124z 04 Sep 2018 1.7m
MUHAMMAD ALI BIN FATHA SUMANA 1125z 04 Sep 2018 0.9m

FRANCE

ILE KERGUELEN 1856z 04 Sep 2018 1.0m

INDIA

MANDVI 0814z 04 Sep 2018 2.3m
DWARKA 0819z 04 Sep 2018 1.9m
JAMNAGAR 0823z 04 Sep 2018 1.7m
PORBANDAR 0825z 04 Sep 2018 1.5m
MANGROL 0833z 04 Sep 2018 1.6m
HAZIRA, DIU 0845z 04 Sep 2018 1.7m
AGATTI 0858z 04 Sep 2018 2.2m
AMINI 0906z 04 Sep 2018 1.0m
KAVARATTI 0913z 04 Sep 2018 1.0m
MALVAN BAY 0920z 04 Sep 2018 2.0m
PANAJI 0928z 04 Sep 2018 1.5m
JAIGARH 0930z 04 Sep 2018 1.6m
VASCO 0930z 04 Sep 2018 1.6m
KARWAR 0938z 04 Sep 2018 2.0m
MANGALORE 0959z 04 Sep 2018 1.4m
KASARAGOD 1001z 04 Sep 2018 1.5m
UDUPI 1003z 04 Sep 2018 1.8m
ANDROTH 1004z 04 Sep 2018 0.7m
ALIBAG PORT 1005z 04 Sep 2018 1.5m
MAHE 1005z 04 Sep 2018 1.2m
ALLEPPEY ALAPPUZHA 1007z 04 Sep 2018 1.2m
KANNUR 1010z 04 Sep 2018 0.9m
VADANAPPALLY 1011z 04 Sep 2018 1.4m
MUMBAI 1012z 04 Sep 2018 1.4m
VAKKAD 1015z 04 Sep 2018 1.2m
BEYPORE 1017z 04 Sep 2018 1.0m
COCHIN 1018z 04 Sep 2018 1.4m
TARAPUR 1021z 04 Sep 2018 1.5m
PIPAVAV 1022z 04 Sep 2018 1.3m
QUILON 1026z 04 Sep 2018 1.1m
MAHUVA 1028z 04 Sep 2018 1.5m
KHAMBAT 1033z 04 Sep 2018 1.2m
TRIVANDRUM 1036z 04 Sep 2018 1.3m
BHARUCH 1100z 04 Sep 2018 1.6m
KANYAKUMARI 1105z 04 Sep 2018 1.4m
BORSI 1109z 04 Sep 2018 1.0m

HAZIRA	1110z	04 Sep 2018	1.2m
DAMAN	1114z	04 Sep 2018	1.3m
KOODANKULAM	1115z	04 Sep 2018	1.4m
TUTICORIN	1406z	04 Sep 2018	1.3m
RAMESWARAM	1438z	04 Sep 2018	0.7m
KOTTTAIPPATTANAM	2148z	04 Sep 2018	0.5m

INDONESIA

SUMUT NIAS B	1917z	04 Sep 2018	0.6m
MUARASIBERUT	0250z	05 Sep 2018	0.7m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0321z	05 Sep 2018	0.5m
SUMBAR KOTA-PADANG U	0339z	05 Sep 2018	0.6m
NIAS-EAST	0412z	05 Sep 2018	0.5m

IRAN

PUSHT	0604z	04 Sep 2018	7.1m
BIR	0606z	04 Sep 2018	5.9m
MISKI	0716z	04 Sep 2018	3.3m

KENYA

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KISIMACHANDE	1311z	04 Sep 2018	0.9m
KIWAYU	1417z	04 Sep 2018	1.0m
KIPINI	1432z	04 Sep 2018	0.8m
MVULENI	2321z	04 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1252z	04 Sep 2018	0.9m
AMBAHY	1503z	04 Sep 2018	0.9m
TAMPOLO	1711z	04 Sep 2018	0.8m
TOAMASINA AIRPORT	1855z	04 Sep 2018	0.8m
ANOROTSANGANA	1902z	04 Sep 2018	0.7m
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MANANTENINA	0316z	05 Sep 2018	0.6m

MALDIVES

GOIDHOO	0928z	04 Sep 2018	1.7m
KULHUDUFFUSHI	0931z	04 Sep 2018	1.6m
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DHIYAMIGILI	1005z	04 Sep 2018	1.1m
MALE	1016z	04 Sep 2018	2.1m
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SUR	0629z	04 Sep 2018	7.1m
SOHAR	0637z	04 Sep 2018	4.3m
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KARACHI	0730z	04 Sep 2018	2.4m
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TAKAMAKA	1145z	04 Sep 2018	1.0m

SOMALIA

TOOXIN	0926z	04 Sep 2018	1.9m
BANDER-BEYLA	0934z	04 Sep 2018	1.2m
QANDALA	0941z	04 Sep 2018	0.7m
EYL	0948z	04 Sep 2018	0.9m
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MAREEG	1044z	04 Sep 2018	0.9m
ITALA	1050z	04 Sep 2018	0.8m
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BERUWALA	1550z	04 Sep 2018	0.6m
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COLOMBO	2230z	04 Sep 2018	0.5m

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MSASANI	2056z	04 Sep 2018	0.7m
ZANZIBAR	2135z	04 Sep 2018	0.8m
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SONGO SONGO ISLAND	2238z	04 Sep 2018	0.5m
KUTANI	2314z	04 Sep 2018	0.5m

UNITED ARAB EMIRATES

KALBA	0648z	04 Sep 2018	3.7m
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UNITED KINGDOM

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YEMEN

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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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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.

4. ADVICE

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5. UPDATES

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

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 IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>
 IOTWMS-TSP INDONESIA: <http://inatews.bmkg.gov.id>

6. CONTACT INFORMATION

IOTWMS-TSP INDIA:
INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)
Indian National Centre for Ocean Information Services (INCOIS)
Address: "ocean valley", Pragathi Nagar (Bo), Nizampet (So),
Hyderabad - 500 090, India
Phone: 91-40-23895011
Fax: 91-40-23895012
Email: tsunami@incois.gov.in
Web: www.incois.gov.in

END OF BULLETIN

[illegible]

BULLETIN 8

```
#####  
#  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####  
#
```

```
-----  
-  
TEST TEST TEST   TEST TEST TEST TEST TEST TEST TEST TEST  
-----  
--
```

```
TSUNAMI BULLETIN NUMBER 8  
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)  
ISSUED AT 1100 UTC Tuesday 04 September 2018  
-----  
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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. EARTHQUAKE INFORMATION

IOTWMS-TSP INDIA has detected an earthquake with the following preliminary information:

Magnitude: 9.0 M
Depth: 10 km
Date: 04 SEP 2018
Origin Time: 0600UTC
Latitude: 24.8 N
Longitude: 58.2 E
Location: OFF COAST OF IRAN

2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.

Maximum wave amplitudes observed so far:

Gwadar (PAKISTAN)	25.1 N	62.03 E	0604z	04 Sep 2018	7.24m
Chabahar (IRAN)	25.3 N	60.60 E	0615z	04 Sep 2018	5.96m
Muscat (OMAN)	23.6 N	58.57 E	0621z	04 Sep 2018	6.21m
Majis (OMAN)	24.5 N	56.61 E	0640z	04 Sep 2018	6.50m
23228 (INDIA)	20.8 N	65.35 E	0652z	04 Sep 2018	0.30m
23226 (INDIA)	20.2 N	67.33 E	0657z	04 Sep 2018	0.26m
Masirah (OMAN)	20.6 N	58.87 E	0706z	04 Sep 2018	1.88m
Salalah (OMAN)	16.9 N	54.01 E	0833z	04 Sep 2018	0.77m
Ormara_PK (PAKISTAN)	25.2 N	64.07 E	0842z	04 Sep 2018	3.53m
Veraval (INDIA)	20.9 N	70.36 E	0910z	04 Sep 2018	2.00m
Minicoy (INDIA)	8.28 N	73.05 E	0930z	04 Sep 2018	0.41m
Hanimaadhoo (MALDIVE ISLANDS)	6.77 N	73.17 E	1015z	04 Sep 2018	0.56m
Gan (MALDIVE ISLANDS)	0.69 S	73.15 E	1033z	04 Sep 2018	0.73m

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to

exceed 0.5m amplitude at the beach in each zone (or a different threshold nominated by an NTWC), and the amplitude of the maximum beach wave predicted

for the zone. Zones where the estimated wave amplitudes are less than the threshold amplitude at the beach are not shown.

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

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	2153z	04 Sep 2018	0.5m
GERALDTON COAST	0534z	05 Sep 2018	0.5m

COMOROS

CHEZANI 1345z 04 Sep 2018 0.7m

DJIBOUTI

NW ARTA	1124z	04 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1125z	04 Sep 2018	0.9m

FRANCE

ILE KERGUELEN 1856z 04 Sep 2018 1.0m

INDIA

MANDVI	0814z	04	Sep	2018	2.3m
DWARKA	0819z	04	Sep	2018	1.9m
JAMNAGAR	0823z	04	Sep	2018	1.7m
PORBANDAR	0825z	04	Sep	2018	1.5m
MANGROL	0833z	04	Sep	2018	1.6m
HAZIRA, DIU	0845z	04	Sep	2018	1.7m
AGATTI	0858z	04	Sep	2018	2.2m
AMINI	0906z	04	Sep	2018	1.0m
KAVARATTI	0913z	04	Sep	2018	1.0m
MALVAN BAY	0920z	04	Sep	2018	2.0m
PANAJI	0928z	04	Sep	2018	1.5m
VASCO	0930z	04	Sep	2018	1.6m
JAIGARH	0930z	04	Sep	2018	1.6m
KARWAR	0938z	04	Sep	2018	2.0m
MANGALORE	0959z	04	Sep	2018	1.4m
KASARAGOD	1001z	04	Sep	2018	1.5m
UDUPI	1003z	04	Sep	2018	1.8m
ANDROTH	1004z	04	Sep	2018	0.7m
ALIBAG PORT	1005z	04	Sep	2018	1.5m
MAHE	1005z	04	Sep	2018	1.2m
ALLEPPEY ALAPPUZHA	1007z	04	Sep	2018	1.2m
KANNUR	1010z	04	Sep	2018	0.9m
VADANAPPALLY	1011z	04	Sep	2018	1.4m
MUMBAI	1012z	04	Sep	2018	1.4m
VAKKAD	1015z	04	Sep	2018	1.2m
BEYPORE	1017z	04	Sep	2018	1.0m
COCHIN	1018z	04	Sep	2018	1.4m
TARAPUR	1021z	04	Sep	2018	1.5m
PIPAVAV	1022z	04	Sep	2018	1.3m
QUILON	1026z	04	Sep	2018	1.1m
MAHUVA	1028z	04	Sep	2018	1.5m
KHAMBAT	1033z	04	Sep	2018	1.2m
TRIVANDRUM	1036z	04	Sep	2018	1.3m
BHARUCH	1100z	04	Sep	2018	1.6m

KANYAKUMARI	1105z	04 Sep 2018	1.4m
BORSI	1109z	04 Sep 2018	1.0m
HAZIRA	1110z	04 Sep 2018	1.2m
DAMAN	1114z	04 Sep 2018	1.3m
KOODANKULAM	1115z	04 Sep 2018	1.4m
TUTICORIN	1406z	04 Sep 2018	1.3m
RAMESWARAM	1438z	04 Sep 2018	0.7m
KOTTTAIPPATTANAM	2148z	04 Sep 2018	0.5m

INDONESIA

SUMUT NIAS B	1917z	04 Sep 2018	0.6m
MUARASIBERUT	0250z	05 Sep 2018	0.7m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0321z	05 Sep 2018	0.5m
SUMBAR KOTA-PADANG U	0339z	05 Sep 2018	0.6m
NIAS-EAST	0412z	05 Sep 2018	0.5m

IRAN

PUSHT	0604z	04 Sep 2018	7.1m
BIR	0606z	04 Sep 2018	5.9m
MISKI	0716z	04 Sep 2018	3.3m

KENYA

MALINDI	1243z	04 Sep 2018	1.7m
KISIMACHANDE	1311z	04 Sep 2018	0.9m
KIWAYU	1417z	04 Sep 2018	1.0m
KIPINI	1432z	04 Sep 2018	0.8m
MVULENI	2321z	04 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1252z	04 Sep 2018	0.9m
AMBAHY	1503z	04 Sep 2018	0.9m
TAMPOLO	1711z	04 Sep 2018	0.8m
TOAMASINA AIRPORT	1855z	04 Sep 2018	0.8m
ANOROTSANGANA	1902z	04 Sep 2018	0.7m
GLORIOSO ISLANDS	2357z	04 Sep 2018	0.5m
MANANTENINA	0316z	05 Sep 2018	0.6m

MALDIVES

GOIDHOO	0928z	04 Sep 2018	1.7m
KULHUDUFFUSHI	0931z	04 Sep 2018	1.6m
FERIDHOO	0949z	04 Sep 2018	1.1m
NILANDHOO	0958z	04 Sep 2018	1.0m
DHIYAMIGILI	1005z	04 Sep 2018	1.1m
MALE	1016z	04 Sep 2018	2.1m
THINADHOO	1021z	04 Sep 2018	1.3m
HITHADHOO	1031z	04 Sep 2018	0.7m
KOLHUFUSHI	1039z	04 Sep 2018	0.8m

MAURITIUS

CARGADOS CARAJOS	1413z	04 Sep 2018	0.8m
LA FERME	1423z	04 Sep 2018	0.6m

MOZAMBIQUE

MAGANJA	1732z	04 Sep 2018	1.0m
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PEMBA	1854z	04 Sep 2018	0.7m
MERONVI	1901z	04 Sep 2018	0.8m
TAVARI	1946z	04 Sep 2018	0.7m
QUITERAJO	2026z	04 Sep 2018	0.8m
NANGATA	2237z	04 Sep 2018	0.7m
MOGINCUAL	0214z	05 Sep 2018	0.6m
MAGUEMBA	0627z	05 Sep 2018	0.6m

OMAN

MUSCAT	0617z	04 Sep 2018	5.6m
QURAYYAT	0621z	04 Sep 2018	8.5m
BARKA	0623z	04 Sep 2018	3.8m
AL KHABURAH	0629z	04 Sep 2018	3.0m
SUR	0629z	04 Sep 2018	7.1m
SOHAR	0637z	04 Sep 2018	4.3m
AL ASHKHARAH	0648z	04 Sep 2018	4.0m
MASIRAH	0702z	04 Sep 2018	2.2m
RAS AR RUWAYS	0709z	04 Sep 2018	3.3m
EAST MUSANDAM	0714z	04 Sep 2018	4.3m
AD DUQM	0730z	04 Sep 2018	2.9m
HASIK	0805z	04 Sep 2018	1.9m
AL JAZER	0810z	04 Sep 2018	1.7m
MIRBAT	0812z	04 Sep 2018	0.7m
TAQAH	0823z	04 Sep 2018	0.5m
SALALAH	0826z	04 Sep 2018	2.0m

PAKISTAN

ORMARA	0603z	04 Sep 2018	7.2m
WINDER	0653z	04 Sep 2018	2.4m
KARACHI	0730z	04 Sep 2018	2.4m
SINDH	0736z	04 Sep 2018	2.4m

SEYCHELLES

FREGATE ISLAND	1049z	04 Sep 2018	0.9m
TAKAMAKA	1145z	04 Sep 2018	1.0m

SOMALIA

TOOXIN	0926z	04 Sep 2018	1.9m
BANDER-BEYLA	0934z	04 Sep 2018	1.2m
QANDALA	0941z	04 Sep 2018	0.7m
EYL	0948z	04 Sep 2018	0.9m
ABO	0950z	04 Sep 2018	2.3m
HADAAFTIMO	0954z	04 Sep 2018	0.5m
GALDOGOB	1004z	04 Sep 2018	1.1m
MAYDH	1006z	04 Sep 2018	0.7m
XARARDHEERE	1030z	04 Sep 2018	1.3m
CEEL DHEER	1043z	04 Sep 2018	1.6m
MAREEG	1044z	04 Sep 2018	0.9m
ITALA	1050z	04 Sep 2018	0.8m
UARSCIECH	1053z	04 Sep 2018	0.6m
MUQDISHO	1100z	04 Sep 2018	0.7m
SAYLAC	1116z	04 Sep 2018	0.7m
BAKI	1117z	04 Sep 2018	0.7m
LOYADO	1122z	04 Sep 2018	0.9m
JARIIBAN	1127z	04 Sep 2018	0.8m
NE BEERNAASI	1323z	04 Sep 2018	1.0m
BARAAWE	1736z	04 Sep 2018	0.8m

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JILIB	2356z	04 Sep 2018	0.5m
KAAMBOONI	0404z	05 Sep 2018	0.5m
SRI LANKA			

AMBALANGODA	1129z	04 Sep 2018	0.6m
MATARA	1154z	04 Sep 2018	0.6m
GALLE	1533z	04 Sep 2018	0.8m
BERUWALA	1550z	04 Sep 2018	0.6m
MORATUWA	1912z	04 Sep 2018	0.7m
KIRINDA	2105z	04 Sep 2018	0.8m
HAMBANTOTA	2123z	04 Sep 2018	0.7m
COLOMBO	2230z	04 Sep 2018	0.5m
TANZANIA			

MADANGWA	1245z	04 Sep 2018	1.0m
BAGAMOYO	1305z	04 Sep 2018	0.7m
JIMBO	1753z	04 Sep 2018	0.8m
RUUU	1844z	04 Sep 2018	0.6m
MSASANI	2056z	04 Sep 2018	0.7m
ZANZIBAR	2135z	04 Sep 2018	0.8m
WEST TO KONDE	2146z	04 Sep 2018	0.7m
SONGO SONGO ISLAND	2238z	04 Sep 2018	0.5m
KUTANI	2314z	04 Sep 2018	0.5m
UNITED ARAB EMIRATES			

KALBA	0648z	04 Sep 2018	3.7m
UNITED KINGDOM			

MORESBY ISLAND	1101z	04 Sep 2018	0.6m
DIEGO GARCIA	1154z	04 Sep 2018	1.4m
YEMEN			

DAMQAWT	0834z	04 Sep 2018	0.8m
SOCOTRA ISLAND SOUTH	0840z	04 Sep 2018	1.6m
AL GHAYDAH AIRPORT	0847z	04 Sep 2018	2.2m
SOCOTRA ISLAND NORTH	0850z	04 Sep 2018	1.2m
HUSWAYN	0900z	04 Sep 2018	1.7m
ALQUMRAH	0910z	04 Sep 2018	1.0m
SOCOTRA ISLAND WEST	0912z	04 Sep 2018	0.8m
MASILAH WADI	0918z	04 Sep 2018	1.2m
HARRAH	0922z	04 Sep 2018	1.0m
EAST TO HAMI	0922z	04 Sep 2018	1.0m
HAMI	0934z	04 Sep 2018	1.2m
BROM MAYFA	0943z	04 Sep 2018	0.8m
AL MUKALLA	0951z	04 Sep 2018	1.3m
RUDUM	1000z	04 Sep 2018	0.9m
KHANFAR	1032z	04 Sep 2018	1.7m
ADEN	1053z	04 Sep 2018	1.0m
MAALLAH	1102z	04 Sep 2018	1.6m
QAWAH	1117z	04 Sep 2018	0.8m
AL MUALLA	1148z	04 Sep 2018	0.8m
AHWAR	2101z	04 Sep 2018	0.6m

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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.

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 INDIA for this event as more information becomes available

OTHER INDIAN OCEAN TSUNAMI SERVICE PROVIDERS:

Other IOTWMS-TSPs may issue additional information at:
 IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>
 IOTWMS-TSP INDONESIA: <http://inatews.bmkg.gov.id>

6. CONTACT INFORMATION

IOTWMS-TSP INDIA:
INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)
Indian National Centre for Ocean Information Services (INCOIS)
Address:"ocean valley", Pragathi Nagar (Bo), Nizampet (So),
Hyderabad - 500 090, India
Phone: 91-40-23895011
Fax: 91-40-23895012
Email: tsunami@incois.gov.in
Web: www.incois.gov.in

END OF BULLETIN

[illegible]

BULLETIN 9

```
#####  
#  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####  
#
```

```
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-  
TEST TEST TEST   TEST TEST TEST TEST TEST TEST TEST TEST  
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-
```

```
TSUNAMI BULLETIN NUMBER 9  
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)  
ISSUED AT 1200 UTC Tuesday 04 September 2018  
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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. EARTHQUAKE INFORMATION

IOTWMS-TSP INDIA has detected an earthquake with the following preliminary information:

Magnitude: 9.0 M
Depth: 10 km
Date: 04 SEP 2018
Origin Time: 0600UTC
Latitude: 24.8 N
Longitude: 58.2 E
Location: OFF COAST OF IRAN

2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.

Maximum wave amplitudes observed so far:

Gwadar (PAKISTAN)	25.1 N	62.03 E	0604z	04 Sep 2018	7.24m
Chabahar (IRAN)	25.3 N	60.60 E	0615z	04 Sep 2018	5.96m
Muscat (OMAN)	23.6 N	58.57 E	0621z	04 Sep 2018	6.21m
Majis (OMAN)	24.5 N	56.61 E	0640z	04 Sep 2018	6.50m
23228 (INDIA)	20.8 N	65.35 E	0652z	04 Sep 2018	0.30m
23226 (INDIA)	20.2 N	67.33 E	0657z	04 Sep 2018	0.26m
Masirah (OMAN)	20.6 N	58.87 E	0706z	04 Sep 2018	1.88m
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Minicoy (INDIA)	8.28 N	73.05 E	0930z	04 Sep 2018	0.41m
Hanimaadhoo (MALDIVE ISLANDS)	6.77 N	73.17 E	1015z	04 Sep 2018	0.56m
Gan (MALDIVE ISLANDS)	0.69 S	73.15 E	1033z	04 Sep 2018	0.73m
Colombo (SRILANKA)	6.95 N	79.85 E	1130z	04 Sep 2018	0.35m
Male (MALDIVE ISLANDS)	4.19 N	73.53 E	1139z	04 Sep 2018	0.42m

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone (or a different threshold

nominated by an NTWC), and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than the threshold amplitude at the beach are not shown.

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

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	2153z	04 Sep 2018	0.5m
GERALDTON COAST	0534z	05 Sep 2018	0.5m

COMOROS

CHEZANI	1345z	04 Sep 2018	0.7m
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DJIBOUTI

NW ARTA	1124z	04 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1125z	04 Sep 2018	0.9m

FRANCE

ILE KERGUELEN	1856z	04 Sep 2018	1.0m
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INDIA

MANDVI	0814z	04 Sep 2018	2.3m
DWARKA	0819z	04 Sep 2018	1.9m
JAMNAGAR	0823z	04 Sep 2018	1.7m
PORBANDAR	0825z	04 Sep 2018	1.5m
MANGROL	0833z	04 Sep 2018	1.6m
HAZIRA, DIU	0845z	04 Sep 2018	1.7m
AGATTI	0858z	04 Sep 2018	2.2m
AMINI	0906z	04 Sep 2018	1.0m
KAVARATTI	0913z	04 Sep 2018	1.0m
MALVAN BAY	0920z	04 Sep 2018	2.0m
PANAJI	0928z	04 Sep 2018	1.5m
VASCO	0930z	04 Sep 2018	1.6m
JAIGARH	0930z	04 Sep 2018	1.6m
KARWAR	0938z	04 Sep 2018	2.0m
MANGALORE	0959z	04 Sep 2018	1.4m
KASARAGOD	1001z	04 Sep 2018	1.5m
UDUPI	1003z	04 Sep 2018	1.8m
ANDROTH	1004z	04 Sep 2018	0.7m
MAHE	1005z	04 Sep 2018	1.2m
ALIBAG PORT	1005z	04 Sep 2018	1.5m
ALLEPPEY ALAPPUZHA	1007z	04 Sep 2018	1.2m
KANNUR	1010z	04 Sep 2018	0.9m
VADANAPPALLY	1011z	04 Sep 2018	1.4m
MUMBAI	1012z	04 Sep 2018	1.4m
VAKKAD	1015z	04 Sep 2018	1.2m
BEYPORE	1017z	04 Sep 2018	1.0m
COCHIN	1018z	04 Sep 2018	1.4m
TARAPUR	1021z	04 Sep 2018	1.5m
PIPAVAV	1022z	04 Sep 2018	1.3m
QUILON	1026z	04 Sep 2018	1.1m
MAHUVA	1028z	04 Sep 2018	1.5m
KHAMBAT	1033z	04 Sep 2018	1.2m

TRIVANDRUM	1036z	04 Sep 2018	1.3m
BHARUCH	1100z	04 Sep 2018	1.6m
KANYAKUMARI	1105z	04 Sep 2018	1.4m
BORSI	1109z	04 Sep 2018	1.0m
HAZIRA	1110z	04 Sep 2018	1.2m
DAMAN	1114z	04 Sep 2018	1.3m
KOODANKULAM	1115z	04 Sep 2018	1.4m
TUTICORIN	1406z	04 Sep 2018	1.3m
RAMESWARAM	1438z	04 Sep 2018	0.7m
KOTTTAIPPATTANAM	2148z	04 Sep 2018	0.5m

INDONESIA

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SUMBAR KOTA-PADANG U	0339z	05 Sep 2018	0.6m
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IRAN

PUSHT	0604z	04 Sep 2018	7.1m
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MADAGASCAR

VOHEMAR	1252z	04 Sep 2018	0.9m
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MALDIVES

GOIDHOO	0928z	04 Sep 2018	1.7m
KULHUDUFFUSHI	0931z	04 Sep 2018	1.6m
FERIDHOO	0949z	04 Sep 2018	1.1m
NILANDHOO	0958z	04 Sep 2018	1.0m
DHIYAMIGILI	1005z	04 Sep 2018	1.1m
MALE	1016z	04 Sep 2018	2.1m
THINADHOO	1021z	04 Sep 2018	1.3m
HITHADHOO	1031z	04 Sep 2018	0.7m
KOLHUFUSHI	1039z	04 Sep 2018	0.8m

MAURITIUS

CARGADOS CARAJOS	1413z	04 Sep 2018	0.8m
LA FERME	1423z	04 Sep 2018	0.6m

MOZAMBIQUE

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PEMBA	1854z	04 Sep 2018	0.7m	
MERONVI	1901z	04 Sep 2018	0.8m	
TAVARI	1946z	04 Sep 2018	0.7m	
QUITERAJA	2026z	04 Sep 2018	0.8m	
NANGATA	2237z	04 Sep 2018	0.7m	
MOGINCUAL	0214z	05 Sep 2018	0.6m	
MAGUEMBA	0627z	05 Sep 2018	0.6m	
OMAN				

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BARKA	0623z	04 Sep 2018	3.8m	
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SOHAR	0637z	04 Sep 2018	4.3m	
AL ASHKHARAH	0648z	04 Sep 2018	4.0m	
MASIRAH	0702z	04 Sep 2018	2.2m	
RAS AR RUWAYS	0709z	04 Sep 2018	3.3m	
EAST MUSANDAM	0714z	04 Sep 2018	4.3m	
AD DUQM	0730z	04 Sep 2018	2.9m	
HASIK	0805z	04 Sep 2018	1.9m	
AL JAZER	0810z	04 Sep 2018	1.7m	
MIRBAT	0812z	04 Sep 2018	0.7m	
TAQAH	0823z	04 Sep 2018	0.5m	
SALALAH	0826z	04 Sep 2018	2.0m	
PAKISTAN				

ORMARA	0603z	04 Sep 2018	7.2m	
WINDER	0653z	04 Sep 2018	2.4m	
KARACHI	0730z	04 Sep 2018	2.4m	
SINDH	0736z	04 Sep 2018	2.4m	
SEYCHELLES				

FREGATE ISLAND	1049z	04 Sep 2018	0.9m	
TAKAMAKA	1145z	04 Sep 2018	1.0m	
SOMALIA				

TOOXIN	0926z	04 Sep 2018	1.9m	
BANDER-BEYLA	0934z	04 Sep 2018	1.2m	
QANDALA	0941z	04 Sep 2018	0.7m	
EYL	0948z	04 Sep 2018	0.9m	
ABO	0950z	04 Sep 2018	2.3m	
HADAAFTIMO	0954z	04 Sep 2018	0.5m	
GALDOGOB	1004z	04 Sep 2018	1.1m	
MAYDH	1006z	04 Sep 2018	0.7m	
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MUQDISHO	1100z	04 Sep 2018	0.7m	
SAYLAC	1116z	04 Sep 2018	0.7m	
BAKI	1117z	04 Sep 2018	0.7m	
LOYADO	1122z	04 Sep 2018	0.9m	
JARIIBAN	1127z	04 Sep 2018	0.8m	

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page 112

NE BEERNAASI	1323z	04 Sep 2018	1.0m
BARAAWE	1736z	04 Sep 2018	0.8m
JILIB	2356z	04 Sep 2018	0.5m
KAAMBOONI	0404z	05 Sep 2018	0.5m

SRI LANKA

AMBALANGODA	1129z	04 Sep 2018	0.6m
MATARA	1154z	04 Sep 2018	0.6m
GALLE	1533z	04 Sep 2018	0.8m
BERUWALA	1550z	04 Sep 2018	0.6m
MORATUWA	1912z	04 Sep 2018	0.7m
KIRINDA	2105z	04 Sep 2018	0.8m
HAMBANTOTA	2123z	04 Sep 2018	0.7m
COLOMBO	2230z	04 Sep 2018	0.5m

TANZANIA

MADANGWA	1245z	04 Sep 2018	1.0m
BAGAMOYO	1305z	04 Sep 2018	0.7m
JIMBO	1753z	04 Sep 2018	0.8m
RUUVU	1844z	04 Sep 2018	0.6m
MSASANI	2056z	04 Sep 2018	0.7m
ZANZIBAR	2135z	04 Sep 2018	0.8m
WEST TO KONDE	2146z	04 Sep 2018	0.7m
SONGO SONGO ISLAND	2238z	04 Sep 2018	0.5m
KUTANI	2314z	04 Sep 2018	0.5m

UNITED ARAB EMIRATES

KALBA	0648z	04 Sep 2018	3.7m
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UNITED KINGDOM

MORESBY ISLAND	1101z	04 Sep 2018	0.6m
DIEGO GARCIA	1154z	04 Sep 2018	1.4m

YEMEN

DAMQAWT	0834z	04 Sep 2018	0.8m
SOCOTRA ISLAND SOUTH	0840z	04 Sep 2018	1.6m
AL GHAYDAH AIRPORT	0847z	04 Sep 2018	2.2m
SOCOTRA ISLAND NORTH	0850z	04 Sep 2018	1.2m
HUSWAYN	0900z	04 Sep 2018	1.7m
ALQUMRAH	0910z	04 Sep 2018	1.0m
SOCOTRA ISLAND WEST	0912z	04 Sep 2018	0.8m
MASILAH WADI	0918z	04 Sep 2018	1.2m
HARRAH	0922z	04 Sep 2018	1.0m
EAST TO HAMI	0922z	04 Sep 2018	1.0m
HAMI	0934z	04 Sep 2018	1.2m
BROM MAYFA	0943z	04 Sep 2018	0.8m
AL MUKALLA	0951z	04 Sep 2018	1.3m
RUDUM	1000z	04 Sep 2018	0.9m
KHANFAR	1032z	04 Sep 2018	1.7m
ADEN	1053z	04 Sep 2018	1.0m
MAALLAH	1102z	04 Sep 2018	1.6m
QAWAH	1117z	04 Sep 2018	0.8m
AL MUALLA	1148z	04 Sep 2018	0.8m
AHWAR	2101z	04 Sep 2018	0.6m

BULLETIN 10

```
#####  
#  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####  
#
```

```
-----  
-  
TEST TEST TEST   TEST TEST TEST TEST TEST TEST TEST TEST  
-----  
-
```

```
TSUNAMI BULLETIN NUMBER 10  
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)  
ISSUED AT 1300 UTC Tuesday 04 September 2018  
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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. EARTHQUAKE INFORMATION

IOTWMS-TSP INDIA has detected an earthquake with the following preliminary information:

Magnitude: 9.0 M
Depth: 10 km
Date: 04 SEP 2018
Origin Time: 0600UTC
Latitude: 24.8 N
Longitude: 58.2 E
Location: OFF COAST OF IRAN

2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.

Maximum wave amplitudes observed so far:

Gwadar (PAKISTAN)	25.1 N	62.03 E	0604z	04 Sep 2018	7.24m
Chabahar (IRAN)	25.3 N	60.60 E	0615z	04 Sep 2018	5.96m
Muscat (OMAN)	23.6 N	58.57 E	0621z	04 Sep 2018	6.21m
Majis (OMAN)	24.5 N	56.61 E	0640z	04 Sep 2018	6.50m
23228 (INDIA)	20.8 N	65.35 E	0652z	04 Sep 2018	0.30m
23226 (INDIA)	20.2 N	67.33 E	0657z	04 Sep 2018	0.26m
Masirah (OMAN)	20.6 N	58.87 E	0706z	04 Sep 2018	1.88m
Salalah (OMAN)	16.9 N	54.01 E	0833z	04 Sep 2018	0.77m
Ormara_PK (PAKISTAN)	5.2 N	64.07 E	0842z	04 Sep 2018	3.53m
Veraval (INDIA)	20.9 N	70.36 E	0910z	04 Sep 2018	2.00m
Minicoy (INDIA)	8.28 N	73.05 E	0930z	04 Sep 2018	0.41m
Hanimaadhoo (MALDIVE ISLANDS)	6.77 N	73.17 E	1015z	04 Sep 2018	0.56m
Gan (MALDIVE ISLANDS)	0.69 S	73.15 E	1033z	04 Sep 2018	0.73m
Colombo (SRILANKA)	6.95 N	79.85 E	1130z	04 Sep 2018	0.35m
Male (MALDIVE ISLANDS)	4.19 N	73.53 E	1139z	04 Sep 2018	0.42m
Agalega (MAURITIUS)	10.3 S	56.59 E	1204z	04 Sep 2018	0.28m
Marmagao (INDIA)	15.4 N	73.80 E	1248z	04 Sep 2018	1.33m

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone (or a different threshold nominated by an NTWC), and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than the threshold amplitude at the beach are not shown.

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

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	2153z	04 Sep 2018	0.5m
GERALDTON COAST	0534z	05 Sep 2018	0.5m

COMOROS

CHEZANI	1345z	04 Sep 2018	0.7m
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DJIBOUTI

NW ARTA	1124z	04 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1125z	04 Sep 2018	0.9m

FRANCE

ILE KERGUELEN	1856z	04 Sep 2018	1.0m
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INDIA

MANDVI	0814z	04 Sep 2018	2.3m
DWARKA	0819z	04 Sep 2018	1.9m
JAMNAGAR	0823z	04 Sep 2018	1.7m
PORBANDAR	0825z	04 Sep 2018	1.5m
MANGROL	0833z	04 Sep 2018	1.6m
HAZIRA, DIU	0845z	04 Sep 2018	1.7m
AGATTI	0858z	04 Sep 2018	2.2m
AMINI	0906z	04 Sep 2018	1.0m
KAVARATTI	0913z	04 Sep 2018	1.0m
MALVAN BAY	0920z	04 Sep 2018	2.0m
PANAJI	0928z	04 Sep 2018	1.5m
VASCO	0930z	04 Sep 2018	1.6m
JAIGARH	0930z	04 Sep 2018	1.6m
KARWAR	0938z	04 Sep 2018	2.0m
MANGALORE	0959z	04 Sep 2018	1.4m
KASARAGOD	1001z	04 Sep 2018	1.5m
UDUPI	1003z	04 Sep 2018	1.8m
ANDROTH	1004z	04 Sep 2018	0.7m
ALIBAG PORT	1005z	04 Sep 2018	1.5m
MAHE	1005z	04 Sep 2018	1.2m
ALLEPPEY ALAPPUZHA	1007z	04 Sep 2018	1.2m
KANNUR	1010z	04 Sep 2018	0.9m
VADANAPPALLY	1011z	04 Sep 2018	1.4m
MUMBAI	1012z	04 Sep 2018	1.4m
VAKKAD	1015z	04 Sep 2018	1.2m
BEYPORE	1017z	04 Sep 2018	1.0m
COCHIN	1018z	04 Sep 2018	1.4m
TARAPUR	1021z	04 Sep 2018	1.5m
PIPAVAV	1022z	04 Sep 2018	1.3m

QUILON	1026z	04 Sep 2018	1.1m
MAHUVA	1028z	04 Sep 2018	1.5m
KHAMBAT	1033z	04 Sep 2018	1.2m
TRIVANDRUM	1036z	04 Sep 2018	1.3m
BHARUCH	1100z	04 Sep 2018	1.6m
KANYAKUMARI	1105z	04 Sep 2018	1.4m
BORSI	1109z	04 Sep 2018	1.0m
HAZIRA	1110z	04 Sep 2018	1.2m
DAMAN	1114z	04 Sep 2018	1.3m
KOODANKULAM	1115z	04 Sep 2018	1.4m
TUTICORIN	1406z	04 Sep 2018	1.3m
RAMESWARAM	1438z	04 Sep 2018	0.7m
KOTTTAIPPATTANAM	2148z	04 Sep 2018	0.5m

INDONESIA

SUMUT NIAS B	1917z	04 Sep 2018	0.6m
MUARASIBERUT	0250z	05 Sep 2018	0.7m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0321z	05 Sep 2018	0.5m
SUMBAR KOTA-PADANG U	0339z	05 Sep 2018	0.6m
NIAS-EAST	0412z	05 Sep 2018	0.5m

IRAN

PUSHT	0604z	04 Sep 2018	7.1m
BIR	0606z	04 Sep 2018	5.9m
MISKI	0716z	04 Sep 2018	3.3m

KENYA

MALINDI	1243z	04 Sep 2018	1.7m
KISIMACHANDE	1311z	04 Sep 2018	0.9m
KIWAYU	1417z	04 Sep 2018	1.0m
KIPINI	1432z	04 Sep 2018	0.8m
MVULENI	2321z	04 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1252z	04 Sep 2018	0.9m
AMBAHY	1503z	04 Sep 2018	0.9m
TAMPOLO	1711z	04 Sep 2018	0.8m
TOAMASINA AIRPORT	1855z	04 Sep 2018	0.8m
ANOROTSANGANA	1902z	04 Sep 2018	0.7m
GLORIOSO ISLANDS	2357z	04 Sep 2018	0.5m
MANANTENINA	0316z	05 Sep 2018	0.6m

MALDIVES

GOIDHOO	0928z	04 Sep 2018	1.7m
KULHUDUFFUSHI	0931z	04 Sep 2018	1.6m
FERIDHOO	0949z	04 Sep 2018	1.1m
NILANDHOO	0958z	04 Sep 2018	1.0m
DHIYAMIGILI	1005z	04 Sep 2018	1.1m
MALE	1016z	04 Sep 2018	2.1m
THINADHOO	1021z	04 Sep 2018	1.3m
HITHADHOO	1031z	04 Sep 2018	0.7m
KOLHUFUSHI	1039z	04 Sep 2018	0.8m

MAURITIUS

CARGADOS CARAJOS	1413z	04 Sep 2018	0.8m
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LA FERME	1423z	04 Sep 2018	0.6m
MOZAMBIQUE			

MAGANJA	1732z	04 Sep 2018	1.0m
PEMBA	1854z	04 Sep 2018	0.7m
MERONVI	1901z	04 Sep 2018	0.8m
TAVARI	1946z	04 Sep 2018	0.7m
QUITERAJÓ	2026z	04 Sep 2018	0.8m
NANGATA	2237z	04 Sep 2018	0.7m
MOGINCUAL	0214z	05 Sep 2018	0.6m
MAGUEMBA	0627z	05 Sep 2018	0.6m
OMAN			

MUSCAT	0617z	04 Sep 2018	5.6m
QURAYYAT	0621z	04 Sep 2018	8.5m
BARKA	0623z	04 Sep 2018	3.8m
AL KHABURAH	0629z	04 Sep 2018	3.0m
SUR	0629z	04 Sep 2018	7.1m
SOHAR	0637z	04 Sep 2018	4.3m
AL ASHKHARAH	0648z	04 Sep 2018	4.0m
MASIRAH	0702z	04 Sep 2018	2.2m
RAS AR RUWAYS	0709z	04 Sep 2018	3.3m
EAST MUSANDAM	0714z	04 Sep 2018	4.3m
AD DUQM	0730z	04 Sep 2018	2.9m
HASIK	0805z	04 Sep 2018	1.9m
AL JAZER	0810z	04 Sep 2018	1.7m
MIRBAT	0812z	04 Sep 2018	0.7m
TAQAH	0823z	04 Sep 2018	0.5m
SALALAH	0826z	04 Sep 2018	2.0m
PAKISTAN			

ORMARA	0603z	04 Sep 2018	7.2m
WINDER	0653z	04 Sep 2018	2.4m
KARACHI	0730z	04 Sep 2018	2.4m
SINDH	0736z	04 Sep 2018	2.4m
SEYCHELLES			

FREGATE ISLAND	1049z	04 Sep 2018	0.9m
TAKAMAKA	1145z	04 Sep 2018	1.0m
SOMALIA			

TOOXIN	0926z	04 Sep 2018	1.9m
BANDER-BEYLA	0934z	04 Sep 2018	1.2m
QANDALA	0941z	04 Sep 2018	0.7m
EYL	0948z	04 Sep 2018	0.9m
ABO	0950z	04 Sep 2018	2.3m
HADAAFTIMO	0954z	04 Sep 2018	0.5m
GALDOGOB	1004z	04 Sep 2018	1.1m
MAYDH	1006z	04 Sep 2018	0.7m
XARARDHEERE	1030z	04 Sep 2018	1.3m
CEEL DHEER	1043z	04 Sep 2018	1.6m
MAREEG	1044z	04 Sep 2018	0.9m
ITALA	1050z	04 Sep 2018	0.8m
UARSCIECH	1053z	04 Sep 2018	0.6m
MUQDISHO	1100z	04 Sep 2018	0.7m
SAYLAC	1116z	04 Sep 2018	0.7m

BAKI	1117z	04 Sep 2018	0.7m
LOYADO	1122z	04 Sep 2018	0.9m
JARIIBAN	1127z	04 Sep 2018	0.8m
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BARAAWE	1736z	04 Sep 2018	0.8m
JILIB	2356z	04 Sep 2018	0.5m
KAAMBOONI	0404z	05 Sep 2018	0.5m

SRI LANKA

AMBALANGODA	1129z	04 Sep 2018	0.6m
MATARA	1154z	04 Sep 2018	0.6m
GALLE	1533z	04 Sep 2018	0.8m
BERUWALA	1550z	04 Sep 2018	0.6m
MORATUWA	1912z	04 Sep 2018	0.7m
KIRINDA	2105z	04 Sep 2018	0.8m
HAMBANTOTA	2123z	04 Sep 2018	0.7m
COLOMBO	2230z	04 Sep 2018	0.5m

TANZANIA

MADANGWA	1245z	04 Sep 2018	1.0m
BAGAMOYO	1305z	04 Sep 2018	0.7m
JIMBO	1753z	04 Sep 2018	0.8m
RUVU	1844z	04 Sep 2018	0.6m
MSASANI	2056z	04 Sep 2018	0.7m
ZANZIBAR	2135z	04 Sep 2018	0.8m
WEST TO KONDE	2146z	04 Sep 2018	0.7m
SONGO SONGO ISLAND	2238z	04 Sep 2018	0.5m
KUTANI	2314z	04 Sep 2018	0.5m

UNITED ARAB EMIRATES

KALBA	0648z	04 Sep 2018	3.7m
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UNITED KINGDOM

MORESBY ISLAND	1101z	04 Sep 2018	0.6m
DIEGO GARCIA	1154z	04 Sep 2018	1.4m

YEMEN

DAMQAWT	0834z	04 Sep 2018	0.8m
SOCOTRA ISLAND SOUTH	0840z	04 Sep 2018	1.6m
AL GHAYDAH AIRPORT	0847z	04 Sep 2018	2.2m
SOCOTRA ISLAND NORTH	0850z	04 Sep 2018	1.2m
HUSWAYN	0900z	04 Sep 2018	1.7m
ALQUMRAH	0910z	04 Sep 2018	1.0m
SOCOTRA ISLAND WEST	0912z	04 Sep 2018	0.8m
MASILAH WADI	0918z	04 Sep 2018	1.2m
HARRAH	0922z	04 Sep 2018	1.0m
EAST TO HAMI	0922z	04 Sep 2018	1.0m
HAMI	0934z	04 Sep 2018	1.2m
BROM MAYFA	0943z	04 Sep 2018	0.8m
AL MUKALLA	0951z	04 Sep 2018	1.3m
RUDUM	1000z	04 Sep 2018	0.9m
KHANFAR	1032z	04 Sep 2018	1.7m
ADEN	1053z	04 Sep 2018	1.0m
MAALLAH	1102z	04 Sep 2018	1.6m
QAWAH	1117z	04 Sep 2018	0.8m
AL MUALLA	1148z	04 Sep 2018	0.8m

AHWAR

2101z 04 Sep 2018 0.6m

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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.

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 INDIA for this event as more information becomes available

OTHER INDIAN OCEAN TSUNAMI SERVICE PROVIDERS:

Other IOTWMS-TSPs may issue additional information at:
 IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>
 IOTWMS-TSP INDONESIA: <http://inatews.bmkg.gov.id>

6. CONTACT INFORMATION

IOTWMS-TSP INDIA:

INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)
Indian National Centre for Ocean Information Services (INCOIS)
Address: "ocean valley", Pragathi Nagar (Bo), Nizampet (So),
Hyderabad - 500 090, India
Phone: 91-40-23895011
Fax: 91-40-23895012
Email: tsunami@incois.gov.in
Web: www.incois.gov.in

END OF BULLETIN

[illegible]

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BULLETIN 11

```
#####  
#  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####  
#
```

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-  
TEST TEST TEST   TEST TEST TEST TEST TEST TEST TEST TEST  
-----  
-
```

TSUNAMI BULLETIN NUMBER 11
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 1400 UTC Tuesday 04 September 2018

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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).

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Magnitude: 9.0 M
Depth: 10 km
Date: 04 SEP 2018
Origin Time: 0600UTC
Latitude: 24.8 N
Longitude: 58.2 E
Location: OFF COAST OF IRAN

2. EVALUATION

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

Gwadar (PAKISTAN)	25.1 N	62.03 E	0604z	04 Sep 2018	7.24m
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Ormara_PK (PAKISTAN)	25.2 N	64.07 E	0842z	04 Sep 2018	3.53m
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Gan (MALDIVE ISLANDS)	0.69 S	73.15 E	1033z	04 Sep 2018	0.73m
Colombo (SRILANKA)	6.95 N	79.85 E	1130z	04 Sep 2018	0.35m
Male (MALDIVE ISLANDS)	4.19 N	73.53 E	1139z	04 Sep 2018	0.42m
Agalega (MAURITIUS)	10.3 S	56.59 E	1204z	04 Sep 2018	0.28m
Marmagao (INDIA)	15.4 N	73.80 E	1248z	04 Sep 2018	1.33m
Mombasa (KENYA)	4.07 S	39.65 E	1318z	04 Sep 2018	0.25m

Cochin(INDIA)

9.97 N 76.27 E 1334z 04 Sep 2018 1.35m

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone (or a different threshold nominated by an NTWC), and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than the threshold amplitude at the beach are not shown.

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

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	2153z	04 Sep 2018	0.5m
GERALDTON COAST	0534z	05 Sep 2018	0.5m

COMOROS

CHEZANI	1345z	04 Sep 2018	0.7m
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DJIBOUTI

NW ARTA	1124z	04 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1125z	04 Sep 2018	0.9m

FRANCE

ILE KERGUELEN	1856z	04 Sep 2018	1.0m
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INDIA

MANDVI	0814z	04 Sep 2018	2.3m
DWARKA	0819z	04 Sep 2018	1.9m
JAMNAGAR	0823z	04 Sep 2018	1.7m
PORBANDAR	0825z	04 Sep 2018	1.5m
MANGROL	0833z	04 Sep 2018	1.6m
HAZIRA, DIU	0845z	04 Sep 2018	1.7m
AGATTI	0858z	04 Sep 2018	2.2m
AMINI	0906z	04 Sep 2018	1.0m
KAVARATTI	0913z	04 Sep 2018	1.0m
MALVAN BAY	0920z	04 Sep 2018	2.0m
PANAJI	0928z	04 Sep 2018	1.5m
VASCO	0930z	04 Sep 2018	1.6m
JAIGARH	0930z	04 Sep 2018	1.6m
KARWAR	0938z	04 Sep 2018	2.0m
MANGALORE	0959z	04 Sep 2018	1.4m
KASARAGOD	1001z	04 Sep 2018	1.5m
UDUPI	1003z	04 Sep 2018	1.8m
ANDROTH	1004z	04 Sep 2018	0.7m
ALIBAG PORT	1005z	04 Sep 2018	1.5m
MAHE	1005z	04 Sep 2018	1.2m
ALLEPPEY ALAPPUZHA	1007z	04 Sep 2018	1.2m
KANNUR	1010z	04 Sep 2018	0.9m
VADANAPPALLY	1011z	04 Sep 2018	1.4m
MUMBAI	1012z	04 Sep 2018	1.4m

VAKKAD	1015z	04 Sep 2018	1.2m
BEYPORE	1017z	04 Sep 2018	1.0m
COCHIN	1018z	04 Sep 2018	1.4m
TARAPUR	1021z	04 Sep 2018	1.5m
PIPAVAV	1022z	04 Sep 2018	1.3m
QUILON	1026z	04 Sep 2018	1.1m
MAHUA	1028z	04 Sep 2018	1.5m
KHAMBAT	1033z	04 Sep 2018	1.2m
TRIVANDRUM	1036z	04 Sep 2018	1.3m
BHARUCH	1100z	04 Sep 2018	1.6m
KANYAKUMARI	1105z	04 Sep 2018	1.4m
BORSI	1109z	04 Sep 2018	1.0m
HAZIRA	1110z	04 Sep 2018	1.2m
DAMAN	1114z	04 Sep 2018	1.3m
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RAMESWARAM	1438z	04 Sep 2018	0.7m
KOTTTAIPPATTANAM	2148z	04 Sep 2018	0.5m

INDONESIA

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SUMBAR KOTA-PADANG U	0339z	05 Sep 2018	0.6m
NIAS-EAST	0412z	05 Sep 2018	0.5m

IRAN

PUSHT	0604z	04 Sep 2018	7.1m
BIR	0606z	04 Sep 2018	5.9m
MISKI	0716z	04 Sep 2018	3.3m

KENYA

MALINDI	1243z	04 Sep 2018	1.7m
KISIMACHANDE	1311z	04 Sep 2018	0.9m
KIWAYU	1417z	04 Sep 2018	1.0m
KIPINI	1432z	04 Sep 2018	0.8m
MVULENI	2321z	04 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1252z	04 Sep 2018	0.9m
AMBAHY	1503z	04 Sep 2018	0.9m
TAMPOLO	1711z	04 Sep 2018	0.8m
TOAMASINA AIRPORT	1855z	04 Sep 2018	0.8m
ANOROTSANGANA	1902z	04 Sep 2018	0.7m
GLORIOSO ISLANDS	2357z	04 Sep 2018	0.5m
MANANTENINA	0316z	05 Sep 2018	0.6m

MALDIVES

GOIDHOO	0928z	04 Sep 2018	1.7m
KULHUDUFFUSHI	0931z	04 Sep 2018	1.6m
FERIDHOO	0949z	04 Sep 2018	1.1m
NILANDHOO	0958z	04 Sep 2018	1.0m
DHIYAMIGILI	1005z	04 Sep 2018	1.1m
MALE	1016z	04 Sep 2018	2.1m
THINADHOO	1021z	04 Sep 2018	1.3m
HITHADHOO	1031z	04 Sep 2018	0.7m

KOLHUFUSHI	1039z	04 Sep 2018	0.8m
MAURITIUS			

CARGADOS CARAJOS	1413z	04 Sep 2018	0.8m
LA FERME	1423z	04 Sep 2018	0.6m
MOZAMBIQUE			

MAGANJA	1732z	04 Sep 2018	1.0m
PEMBA	1854z	04 Sep 2018	0.7m
MERONVI	1901z	04 Sep 2018	0.8m
TAVARI	1946z	04 Sep 2018	0.7m
QUITERAJO	2026z	04 Sep 2018	0.8m
NANGATA	2237z	04 Sep 2018	0.7m
MOGINCUAL	0214z	05 Sep 2018	0.6m
MAGUEMBA	0627z	05 Sep 2018	0.6m
OMAN			

MUSCAT	0617z	04 Sep 2018	5.6m
QURAYYAT	0621z	04 Sep 2018	8.5m
BARKA	0623z	04 Sep 2018	3.8m
AL KHABURAH	0629z	04 Sep 2018	3.0m
SUR	0629z	04 Sep 2018	7.1m
SOHAR	0637z	04 Sep 2018	4.3m
AL ASHKHARAH	0648z	04 Sep 2018	4.0m
MASIRAH	0702z	04 Sep 2018	2.2m
RAS AR RUWAYS	0709z	04 Sep 2018	3.3m
EAST MUSANDAM	0714z	04 Sep 2018	4.3m
AD DUQM	0730z	04 Sep 2018	2.9m
HASIK	0805z	04 Sep 2018	1.9m
AL JAZER	0810z	04 Sep 2018	1.7m
MIRBAT	0812z	04 Sep 2018	0.7m
TAQAH	0823z	04 Sep 2018	0.5m
SALALAH	0826z	04 Sep 2018	2.0m
PAKISTAN			

ORMARA	0603z	04 Sep 2018	7.2m
WINDER	0653z	04 Sep 2018	2.4m
KARACHI	0730z	04 Sep 2018	2.4m
SINDH	0736z	04 Sep 2018	2.4m
SEYCHELLES			

FREGATE ISLAND	1049z	04 Sep 2018	0.9m
TAKAMAKA	1145z	04 Sep 2018	1.0m
SOMALIA			

TOOXIN	0926z	04 Sep 2018	1.9m
BANDER-BEYLA	0934z	04 Sep 2018	1.2m
QANDALA	0941z	04 Sep 2018	0.7m
EYL	0948z	04 Sep 2018	0.9m
ABO	0950z	04 Sep 2018	2.3m
HADAAFTIMO	0954z	04 Sep 2018	0.5m
GALDOGOB	1004z	04 Sep 2018	1.1m
MAYDH	1006z	04 Sep 2018	0.7m
XARARDHEERE	1030z	04 Sep 2018	1.3m
CEEL DHEER	1043z	04 Sep 2018	1.6m

MAREEG	1044z	04 Sep 2018	0.9m
ITALA	1050z	04 Sep 2018	0.8m
UARSCIECH	1053z	04 Sep 2018	0.6m
MUQDISHO	1100z	04 Sep 2018	0.7m
SAYLAC	1116z	04 Sep 2018	0.7m
BAKI	1117z	04 Sep 2018	0.7m
LOYADO	1122z	04 Sep 2018	0.9m
JARIIBAN	1127z	04 Sep 2018	0.8m
NE BEERNAASI	1323z	04 Sep 2018	1.0m
BARAAWE	1736z	04 Sep 2018	0.8m
JILIB	2356z	04 Sep 2018	0.5m
KAAMBOONI	0404z	05 Sep 2018	0.5m

SRI LANKA

AMBALANGODA	1129z	04 Sep 2018	0.6m
MATARA	1154z	04 Sep 2018	0.6m
GALLE	1533z	04 Sep 2018	0.8m
BERUWALA	1550z	04 Sep 2018	0.6m
MORATUWA	1912z	04 Sep 2018	0.7m
KIRINDA	2105z	04 Sep 2018	0.8m
HAMBANTOTA	2123z	04 Sep 2018	0.7m
COLOMBO	2230z	04 Sep 2018	0.5m

TANZANIA

MADANGWA	1245z	04 Sep 2018	1.0m
BAGAMOYO	1305z	04 Sep 2018	0.7m
JIMBO	1753z	04 Sep 2018	0.8m
RUUU	1844z	04 Sep 2018	0.6m
MSASANI	2056z	04 Sep 2018	0.7m
ZANZIBAR	2135z	04 Sep 2018	0.8m
WEST TO KONDE	2146z	04 Sep 2018	0.7m
SONGO SONGO ISLAND	2238z	04 Sep 2018	0.5m
KUTANI	2314z	04 Sep 2018	0.5m

UNITED ARAB EMIRATES

KALBA	0648z	04 Sep 2018	3.7m
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UNITED KINGDOM

MORESBY ISLAND	1101z	04 Sep 2018	0.6m
DIEGO GARCIA	1154z	04 Sep 2018	1.4m

YEMEN

DAMQAWT	0834z	04 Sep 2018	0.8m
SOCOTRA ISLAND SOUTH	0840z	04 Sep 2018	1.6m
AL GHAYDAH AIRPORT	0847z	04 Sep 2018	2.2m
SOCOTRA ISLAND NORTH	0850z	04 Sep 2018	1.2m
HUSWAYN	0900z	04 Sep 2018	1.7m
ALQUMRAH	0910z	04 Sep 2018	1.0m
SOCOTRA ISLAND WEST	0912z	04 Sep 2018	0.8m
MASILAH WADI	0918z	04 Sep 2018	1.2m
HARRAH	0922z	04 Sep 2018	1.0m
EAST TO HAMI	0922z	04 Sep 2018	1.0m
HAMI	0934z	04 Sep 2018	1.2m
BROM MAYFA	0943z	04 Sep 2018	0.8m
AL MUKALLA	0951z	04 Sep 2018	1.3m
RUDUM	1000z	04 Sep 2018	0.9m

KHANFAR	1032z	04 Sep 2018	1.7m
ADEN	1053z	04 Sep 2018	1.0m
MAALLAH	1102z	04 Sep 2018	1.6m
QAWAH	1117z	04 Sep 2018	0.8m
AL MUALLA	1148z	04 Sep 2018	0.8m
AHWAR	2101z	04 Sep 2018	0.6m

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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.

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 INDIA for this event as more information becomes available

OTHER INDIAN OCEAN TSUNAMI SERVICE PROVIDERS:

Other IOTWMS-TSPs may issue additional information at:
 IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>
 IOTWMS-TSP INDONESIA: <http://inatews.bmkg.gov.id>

6. CONTACT INFORMATION

IOTWMS-TSP INDIA:
INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)
Indian National Centre for Ocean Information Services (INCOIS)
Address:"ocean valley", Pragathi Nagar (Bo), Nizampet (So),
Hyderabad - 500 090, India
Phone: 91-40-23895011
Fax: 91-40-23895012
Email: tsunami@incois.gov.in
Web: www.incois.gov.in

END OF BULLETIN

[illegible]

BULLETIN 12

```
#####  
##  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####  
#
```

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-  
TEST TEST TEST   TEST TEST TEST TEST TEST TEST TEST TEST  
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```

TSUNAMI BULLETIN NUMBER 12
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 1500 UTC Tuesday 04 September 2018

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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. EARTHQUAKE INFORMATION

IOTWMS-TSP INDIA has detected an earthquake with the following preliminary
information:

Magnitude: 9.0 M
Depth: 10 km
Date: 04 SEP 2018
Origin Time: 0600UTC
Latitude: 24.8 N
Longitude: 58.2 E
Location: OFF COAST OF IRAN

2. EVALUATION

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

Gwadar (PAKISTAN)	25.1 N	62.03 E	0604z	04 Sep	2018	7.24m
Chabahar (IRAN)	25.3 N	60.60 E	0615z	04 Sep	2018	5.96m
Muscat (OMAN)	23.6 N	58.57 E	0621z	04 Sep	2018	6.21m
Majis (OMAN)	24.5 N	56.61 E	0640z	04 Sep	2018	6.50m
23228 (INDIA)	20.8 N	65.35 E	0652z	04 Sep	2018	0.30m
23226 (INDIA)	20.2 N	67.33 E	0657z	04 Sep	2018	0.26m
Masirah (OMAN)	20.6 N	58.87 E	0706z	04 Sep	2018	1.88m
Salalah (OMAN)	16.9 N	54.01 E	0833z	04 Sep	2018	0.77m
Ormara_PK (PAKISTAN)	25.2 N	64.07 E	0842z	04 Sep	2018	3.53m
Veraval (INDIA)	20.9 N	70.36 E	0910z	04 Sep	2018	2.00m
Minicoy (INDIA)	8.28 N	73.05 E	0930z	04 Sep	2018	0.41m
Hanimaadhoo (MALDIVE ISLANDS)	6.77 N	73.17 E	1015z	04 Sep	2018	0.56m
Gan (MALDIVE ISLANDS)	0.69 S	73.15 E	1033z	04 Sep	2018	0.73m
Colombo (SRILANKA)	6.95 N	79.85 E	1130z	04 Sep	2018	0.35m
Male (MALDIVE ISLANDS)	4.19 N	73.53 E	1139z	04 Sep	2018	0.42m
Agalega (MAURITIUS)	10.3 S	56.59 E	1204z	04 Sep	2018	0.28m
Marmagao (INDIA)	15.4 N	73.80 E	1248z	04 Sep	2018	1.33m
Mombasa (KENYA)	4.07 S	39.65 E	1318z	04 Sep	2018	0.25m
Cochin (INDIA)	9.97 N	76.27 E	1334z	04 Sep	2018	1.35m

Lamu (KENYA)	2.27 S	40.90 E	1427z	04 Sep 2018	0.49m
Rodrigue (MAURITIUS)	19.6 S	63.42 E	1442z	04 Sep 2018	0.56m
Visakhapatnam (INDIA)	17.6 N	83.28 E	1448z	04 Sep 2018	0.07m

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone (or a different threshold nominated by an NTWC), and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than the threshold amplitude at the beach are not shown.

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

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	2153z	04 Sep 2018	0.5m
GERALDTON COAST	0534z	05 Sep 2018	0.5m

COMOROS

CHEZANI	1345z	04 Sep 2018	0.7m
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DJIBOUTI

NW ARTA	1124z	04 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1125z	04 Sep 2018	0.9m

FRANCE

ILE KERGUELEN	1856z	04 Sep 2018	1.0m
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INDIA

MANDVI	0814z	04 Sep 2018	2.3m
DWARKA	0819z	04 Sep 2018	1.9m
JAMNAGAR	0823z	04 Sep 2018	1.7m
PORBANDAR	0825z	04 Sep 2018	1.5m
MANGROL	0833z	04 Sep 2018	1.6m
HAZIRA, DIU	0845z	04 Sep 2018	1.7m
AGATTI	0858z	04 Sep 2018	2.2m
AMINI	0906z	04 Sep 2018	1.0m
KAVARATTI	0913z	04 Sep 2018	1.0m
MALVAN BAY	0920z	04 Sep 2018	2.0m
PANAJI	0928z	04 Sep 2018	1.5m
JAIGARH	0930z	04 Sep 2018	1.6m
VASCO	0930z	04 Sep 2018	1.6m
KARWAR	0938z	04 Sep 2018	2.0m
MANGALORE	0959z	04 Sep 2018	1.4m
KASARAGOD	1001z	04 Sep 2018	1.5m
UDUPI	1003z	04 Sep 2018	1.8m
ANDROTH	1004z	04 Sep 2018	0.7m
ALIBAG PORT	1005z	04 Sep 2018	1.5m
MAHE	1005z	04 Sep 2018	1.2m
ALLEPPEY ALAPPUZHA	1007z	04 Sep 2018	1.2m
KANNUR	1010z	04 Sep 2018	0.9m
VADANAPPALLY	1011z	04 Sep 2018	1.4m

MUMBAI	1012z	04 Sep 2018	1.4m
VAKKAD	1015z	04 Sep 2018	1.2m
BEYPORE	1017z	04 Sep 2018	1.0m
COCHIN	1018z	04 Sep 2018	1.4m
TARAPUR	1021z	04 Sep 2018	1.5m
PIPAVAV	1022z	04 Sep 2018	1.3m
QUILON	1026z	04 Sep 2018	1.1m
MAHUVA	1028z	04 Sep 2018	1.5m
KHAMBAT	1033z	04 Sep 2018	1.2m
TRIVANDRUM	1036z	04 Sep 2018	1.3m
BHARUCH	1100z	04 Sep 2018	1.6m
KANYAKUMARI	1105z	04 Sep 2018	1.4m
BORSI	1109z	04 Sep 2018	1.0m
HAZIRA	1110z	04 Sep 2018	1.2m
DAMAN	1114z	04 Sep 2018	1.3m
KOODANKULAM	1115z	04 Sep 2018	1.4m
TUTICORIN	1406z	04 Sep 2018	1.3m
RAMESWARAM	1438z	04 Sep 2018	0.7m
KOTTTAIPPATTANAM	2148z	04 Sep 2018	0.5m

INDONESIA

SUMUT NIAS B	1917z	04 Sep 2018	0.6m
MUARASIBERUT	0250z	05 Sep 2018	0.7m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0321z	05 Sep 2018	0.5m
SUMBAR KOTA-PADANG U	0339z	05 Sep 2018	0.6m
NIAS-EAST	0412z	05 Sep 2018	0.5m

IRAN

PUSHT	0604z	04 Sep 2018	7.1m
BIR	0606z	04 Sep 2018	5.9m
MISKI	0716z	04 Sep 2018	3.3m

KENYA

MALINDI	1243z	04 Sep 2018	1.7m
KISIMACHANDE	1311z	04 Sep 2018	0.9m
KIWAYU	1417z	04 Sep 2018	1.0m
KIPINI	1432z	04 Sep 2018	0.8m
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MADAGASCAR

VOHEMAR	1252z	04 Sep 2018	0.9m
AMBAHY	1503z	04 Sep 2018	0.9m
TAMPOLO	1711z	04 Sep 2018	0.8m
TOAMASINA AIRPORT	1855z	04 Sep 2018	0.8m
ANOROTSANGANA	1902z	04 Sep 2018	0.7m
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GOIDHOO	0928z	04 Sep 2018	1.7m
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QUITERAJO	2026z	04 Sep 2018	0.8m
NANGATA	2237z	04 Sep 2018	0.7m
MOGINCUAL	0214z	05 Sep 2018	0.6m
MAGUEMBA	0627z	05 Sep 2018	0.6m
OMAN			

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SOHAR	0637z	04 Sep 2018	4.3m
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RAS AR RUWAYS	0709z	04 Sep 2018	3.3m
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HASIK	0805z	04 Sep 2018	1.9m
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JARIIBAN	1127z	04 Sep 2018	0.8m
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BARAAWE	1736z	04 Sep 2018	0.8m
JILIB	2356z	04 Sep 2018	0.5m
KAAMBOONI	0404z	05 Sep 2018	0.5m

SRI LANKA

AMBALANGODA	1129z	04 Sep 2018	0.6m
MATARA	1154z	04 Sep 2018	0.6m
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MORATUWA	1912z	04 Sep 2018	0.7m
KIRINDA	2105z	04 Sep 2018	0.8m
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KALBA	0648z	04 Sep 2018	3.7m
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UNITED KINGDOM

MORESBY ISLAND	1101z	04 Sep 2018	0.6m
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YEMEN

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SOCOTRA ISLAND SOUTH	0840z	04 Sep 2018	1.6m
AL GHAYDAH AIRPORT	0847z	04 Sep 2018	2.2m
SOCOTRA ISLAND NORTH	0850z	04 Sep 2018	1.2m
HUSWAYN	0900z	04 Sep 2018	1.7m
ALQUMRAH	0910z	04 Sep 2018	1.0m
SOCOTRA ISLAND WEST	0912z	04 Sep 2018	0.8m
MASILAH WADI	0918z	04 Sep 2018	1.2m
HARRAH	0922z	04 Sep 2018	1.0m
EAST TO HAMI	0922z	04 Sep 2018	1.0m
HAMI	0934z	04 Sep 2018	1.2m
BROM MAYFA	0943z	04 Sep 2018	0.8m
AL MUKALLA	0951z	04 Sep 2018	1.3m

RUDUM	1000z	04	Sep	2018	0.9m
KHANFAR	1032z	04	Sep	2018	1.7m
ADEN	1053z	04	Sep	2018	1.0m
MAALLAH	1102z	04	Sep	2018	1.6m
QAWAH	1117z	04	Sep	2018	0.8m
AL MUALLA	1148z	04	Sep	2018	0.8m
AHWAR	2101z	04	Sep	2018	0.6m

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.

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5. UPDATES

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 IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>
 IOTWMS-TSP INDONESIA: <http://inatews.bmkg.gov.id>

6. CONTACT INFORMATION

IOTWMS-TSP INDIA:
INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)
Indian National Centre for Ocean Information Services (INCOIS)
Address:"ocean valley", Pragathi Nagar (Bo), Nizampet (So),
Hyderabad - 500 090, India
Phone: 91-40-23895011
Fax: 91-40-23895012
Email: tsunami@incois.gov.in
Web: www.incois.gov.in

END OF BULLETIN

[illegible]

BULLETIN 13

```
#####  
##  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####  
#
```

```
-----  
-  
TEST TEST TEST   TEST TEST TEST TEST TEST TEST TEST TEST  
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```

TSUNAMI BULLETIN NUMBER 13
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 1600 UTC Tuesday 04 September 2018

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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. EARTHQUAKE INFORMATION

IOTWMS-TSP INDIA has detected an earthquake with the following preliminary information:

Magnitude: 9.0 M
Depth: 10 km
Date: 04 SEP 2018
Origin Time: 0600UTC
Latitude: 24.8 N
Longitude: 58.2 E
Location: OFF COAST OF IRAN

2. EVALUATION

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

Gwadar (PAKISTAN)	25.1 N	62.03 E	0604z	04 Sep 2018	7.24m
Chabahar (IRAN)	25.3 N	60.60 E	0615z	04 Sep 2018	5.96m
Muscat (OMAN)	23.6 N	58.57 E	0621z	04 Sep 2018	6.21m
Majis (OMAN)	24.5 N	56.61 E	0640z	04 Sep 2018	6.50m
23228 (INDIA)	20.8 N	65.35 E	0652z	04 Sep 2018	0.30m
23226 (INDIA)	20.2 N	67.33 E	0657z	04 Sep 2018	0.26m
Masirah (OMAN)	20.6 N	58.87 E	0706z	04 Sep 2018	1.88m
Salalah (OMAN)	16.9 N	54.01 E	0833z	04 Sep 2018	0.77m
Ormara_PK (PAKISTAN)	25.2 N	64.07 E	0842z	04 Sep 2018	3.53m
Veraval (INDIA)	20.9 N	70.36 E	0910z	04 Sep 2018	2.00m
Minicoy (INDIA)	8.28 N	73.05 E	0930z	04 Sep 2018	0.41m
Hanimaadhoo (MALDIVE ISLANDS)	6.77 N	73.17 E	1015z	04 Sep 2018	0.56m
Gan (MALDIVE ISLANDS)	0.69 S	73.15 E	1033z	04 Sep 2018	0.73m
Colombo (SRILANKA)	6.95 N	79.85 E	1130z	04 Sep 2018	0.35m
Male (MALDIVE ISLANDS)	4.19 N	73.53 E	1139z	04 Sep 2018	0.42m
Agalega (MAURITIUS)	10.3 S	56.59 E	1204z	04 Sep 2018	0.28m
Marmagao (INDIA)	15.4 N	73.80 E	1248z	04 Sep 2018	1.33m
Mombasa (KENYA)	4.07 S	39.65 E	1318z	04 Sep 2018	0.25m
Cochin (INDIA)	9.97 N	76.27 E	1334z	04 Sep 2018	1.35m

Lamu (KENYA)	2.27 S	40.90 E	1427z	04 Sep 2018	0.49m
Rodrigue (MAURITIUS)	19.6 S	63.42 E	1442z	04 Sep 2018	0.56m
Visakhapatnam (INDIA)	17.6 N	83.28 E	1448z	04 Sep 2018	0.07m
Christmas Island (AUSTRALIA)	10.4 S	105.67 E	1524z	04 Sep 2018	0.26m
Pemba (MOCAMBIQUE)	12.9 S	40.49 E	1557z	04 Sep 2018	0.24m

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to

exceed 0.5m amplitude at the beach in each zone (or a different threshold nominated by an NTWC), and the amplitude of the maximum beach wave predicted

for the zone. Zones where the estimated wave amplitudes are less than the threshold amplitude at the beach are not shown.

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

AUSTRALIA

HEARD ISLAND AND MCDONALD ISLANDS	2153z	04 Sep 2018	0.5m
GERALDTON COAST	0534z	05 Sep 2018	0.5m

COMOROS

CHEZANI	1345z	04 Sep 2018	0.7m
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DJIBOUTI

NW ARTA	1124z	04 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1125z	04 Sep 2018	0.9m

FRANCE

ILE KERGUELEN	1856z	04 Sep 2018	1.0m
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INDIA

MANDVI	0814z	04 Sep 2018	2.3m
DWARKA	0819z	04 Sep 2018	1.9m
JAMNAGAR	0823z	04 Sep 2018	1.7m
PORBANDAR	0825z	04 Sep 2018	1.5m
MANGROL	0833z	04 Sep 2018	1.6m
HAZIRA, DIU	0845z	04 Sep 2018	1.7m
AGATTI	0858z	04 Sep 2018	2.2m
AMINI	0906z	04 Sep 2018	1.0m
KAVARATTI	0913z	04 Sep 2018	1.0m
MALVAN BAY	0920z	04 Sep 2018	2.0m
PANAJI	0928z	04 Sep 2018	1.5m
VASCO	0930z	04 Sep 2018	1.6m
JAIGARH	0930z	04 Sep 2018	1.6m
KARWAR	0938z	04 Sep 2018	2.0m
MANGALORE	0959z	04 Sep 2018	1.4m
KASARAGOD	1001z	04 Sep 2018	1.5m
UDUPI	1003z	04 Sep 2018	1.8m
ANDROTH	1004z	04 Sep 2018	0.7m
ALIBAG PORT	1005z	04 Sep 2018	1.5m
MAHE	1005z	04 Sep 2018	1.2m
ALLEPPEY ALAPPUZHA	1007z	04 Sep 2018	1.2m

KANNUR	1010z	04 Sep 2018	0.9m
VADANAPPALLY	1011z	04 Sep 2018	1.4m
MUMBAI	1012z	04 Sep 2018	1.4m
VAKKAD	1015z	04 Sep 2018	1.2m
BEYPORE	1017z	04 Sep 2018	1.0m
COCHIN	1018z	04 Sep 2018	1.4m
TARAPUR	1021z	04 Sep 2018	1.5m
PIPAVAV	1022z	04 Sep 2018	1.3m
QUILON	1026z	04 Sep 2018	1.1m
MAHUA	1028z	04 Sep 2018	1.5m
KHAMBAT	1033z	04 Sep 2018	1.2m
TRIVANDRUM	1036z	04 Sep 2018	1.3m
BHARUCH	1100z	04 Sep 2018	1.6m
KANYAKUMARI	1105z	04 Sep 2018	1.4m
BORSI	1109z	04 Sep 2018	1.0m
HAZIRA	1110z	04 Sep 2018	1.2m
DAMAN	1114z	04 Sep 2018	1.3m
KOODANKULAM	1115z	04 Sep 2018	1.4m
TUTICORIN	1406z	04 Sep 2018	1.3m
RAMESWARAM	1438z	04 Sep 2018	0.7m
KOTTTAIPPATTANAM	2148z	04 Sep 2018	0.5m

INDONESIA

SUMUT NIAS B	1917z	04 Sep 2018	0.6m
MUARASIBERUT	0250z	05 Sep 2018	0.7m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0321z	05 Sep 2018	0.5m
SUMBAR KOTA-PADANG U	0339z	05 Sep 2018	0.6m
NIAS-EAST	0412z	05 Sep 2018	0.5m

IRAN

PUSHT	0604z	04 Sep 2018	7.1m
BIR	0606z	04 Sep 2018	5.9m
MISKI	0716z	04 Sep 2018	3.3m

KENYA

MALINDI	1243z	04 Sep 2018	1.7m
KISIMACHANDE	1311z	04 Sep 2018	0.9m
KIWAYU	1417z	04 Sep 2018	1.0m
KIPINI	1432z	04 Sep 2018	0.8m
MVULENI	2321z	04 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1252z	04 Sep 2018	0.9m
AMBAHY	1503z	04 Sep 2018	0.9m
TAMPOLO	1711z	04 Sep 2018	0.8m
TOAMASINA AIRPORT	1855z	04 Sep 2018	0.8m
ANOROTSANGANA	1902z	04 Sep 2018	0.7m
GLORIOSO ISLANDS	2357z	04 Sep 2018	0.5m
MANANTENINA	0316z	05 Sep 2018	0.6m

MALDIVES

GOIDHOO	0928z	04 Sep 2018	1.7m
KULHUDUFFUSHI	0931z	04 Sep 2018	1.6m
FERIDHOO	0949z	04 Sep 2018	1.1m
NILANDHOO	0958z	04 Sep 2018	1.0m
DHIYAMIGILI	1005z	04 Sep 2018	1.1m

MALE	1016z	04 Sep 2018	2.1m
THINADHOO	1021z	04 Sep 2018	1.3m
HITHADHOO	1031z	04 Sep 2018	0.7m
KOLHUFUSHI	1039z	04 Sep 2018	0.8m
MAURITIUS			

CARGADOS CARAJOS	1413z	04 Sep 2018	0.8m
LA FERME	1423z	04 Sep 2018	0.6m
MOZAMBIQUE			

MAGANJA	1732z	04 Sep 2018	1.0m
PEMBA	1854z	04 Sep 2018	0.7m
MERONVI	1901z	04 Sep 2018	0.8m
TAVARI	1946z	04 Sep 2018	0.7m
QUITERAJO	2026z	04 Sep 2018	0.8m
NANGATA	2237z	04 Sep 2018	0.7m
MOGINCUAL	0214z	05 Sep 2018	0.6m
MAGUEMBA	0627z	05 Sep 2018	0.6m
OMAN			

MUSCAT	0617z	04 Sep 2018	5.6m
QURAYYAT	0621z	04 Sep 2018	8.5m
BARKA	0623z	04 Sep 2018	3.8m
AL Khaburah	0629z	04 Sep 2018	3.0m
SUR	0629z	04 Sep 2018	7.1m
SOHAR	0637z	04 Sep 2018	4.3m
AL ASHKHARAH	0648z	04 Sep 2018	4.0m
MASIRAH	0702z	04 Sep 2018	2.2m
RAS AR RUWAYS	0709z	04 Sep 2018	3.3m
EAST MUSANDAM	0714z	04 Sep 2018	4.3m
AD DUQM	0730z	04 Sep 2018	2.9m
HASIK	0805z	04 Sep 2018	1.9m
AL JAZER	0810z	04 Sep 2018	1.7m
MIRBAT	0812z	04 Sep 2018	0.7m
TAQAH	0823z	04 Sep 2018	0.5m
SALALAH	0826z	04 Sep 2018	2.0m
PAKISTAN			

ORMARA	0603z	04 Sep 2018	7.2m
WINDER	0653z	04 Sep 2018	2.4m
KARACHI	0730z	04 Sep 2018	2.4m
SINDH	0736z	04 Sep 2018	2.4m
SEYCHELLES			

FREGATE ISLAND	1049z	04 Sep 2018	0.9m
TAKAMAKA	1145z	04 Sep 2018	1.0m
SOMALIA			

TOOXIN	0926z	04 Sep 2018	1.9m
BANDER-BEYLA	0934z	04 Sep 2018	1.2m
QANDALA	0941z	04 Sep 2018	0.7m
EYL	0948z	04 Sep 2018	0.9m
ABO	0950z	04 Sep 2018	2.3m
HADAAFTIMO	0954z	04 Sep 2018	0.5m
GALDOGOB	1004z	04 Sep 2018	1.1m

MAYDH	1006z	04 Sep 2018	0.7m
XARARDHEERE	1030z	04 Sep 2018	1.3m
CEEL DHEER	1043z	04 Sep 2018	1.6m
MAREEG	1044z	04 Sep 2018	0.9m
ITALA	1050z	04 Sep 2018	0.8m
UARSCIECH	1053z	04 Sep 2018	0.6m
MUQDISHO	1100z	04 Sep 2018	0.7m
SAYLAC	1116z	04 Sep 2018	0.7m
BAKI	1117z	04 Sep 2018	0.7m
LOYADO	1122z	04 Sep 2018	0.9m
JARIIBAN	1127z	04 Sep 2018	0.8m
NE BEERNAASI	1323z	04 Sep 2018	1.0m
BARAAWE	1736z	04 Sep 2018	0.8m
JILIB	2356z	04 Sep 2018	0.5m
KAAMBOONI	0404z	05 Sep 2018	0.5m

SRI LANKA

AMBALANGODA	1129z	04 Sep 2018	0.6m
MATARA	1154z	04 Sep 2018	0.6m
GALLE	1533z	04 Sep 2018	0.8m
BERUWALA	1550z	04 Sep 2018	0.6m
MORATUWA	1912z	04 Sep 2018	0.7m
KIRINDA	2105z	04 Sep 2018	0.8m
HAMBANTOTA	2123z	04 Sep 2018	0.7m
COLOMBO	2230z	04 Sep 2018	0.5m

TANZANIA

MADANGWA	1245z	04 Sep 2018	1.0m
BAGAMOYO	1305z	04 Sep 2018	0.7m
JIMBO	1753z	04 Sep 2018	0.8m
RUVU	1844z	04 Sep 2018	0.6m
MSASANI	2056z	04 Sep 2018	0.7m
ZANZIBAR	2135z	04 Sep 2018	0.8m
WEST TO KONDE	2146z	04 Sep 2018	0.7m
SONGO SONGO ISLAND	2238z	04 Sep 2018	0.5m
KUTANI	2314z	04 Sep 2018	0.5m

UNITED ARAB EMIRATES

KALBA	0648z	04 Sep 2018	3.7m
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UNITED KINGDOM

MORESBY ISLAND	1101z	04 Sep 2018	0.6m
DIEGO GARCIA	1154z	04 Sep 2018	1.4m

YEMEN

DAMQAWT	0834z	04 Sep 2018	0.8m
SOCOTRA ISLAND SOUTH	0840z	04 Sep 2018	1.6m
AL GHAYDAH AIRPORT	0847z	04 Sep 2018	2.2m
SOCOTRA ISLAND NORTH	0850z	04 Sep 2018	1.2m
HUSWAYN	0900z	04 Sep 2018	1.7m
ALQUMRAH	0910z	04 Sep 2018	1.0m
SOCOTRA ISLAND WEST	0912z	04 Sep 2018	0.8m
MASILAH WADI	0918z	04 Sep 2018	1.2m
HARRAH	0922z	04 Sep 2018	1.0m
EAST TO HAMI	0922z	04 Sep 2018	1.0m
HAMI	0934z	04 Sep 2018	1.2m

BROM MAYFA	0943z	04	Sep	2018	0.8m
AL MUKALLA	0951z	04	Sep	2018	1.3m
RUDUM	1000z	04	Sep	2018	0.9m
KHANFAR	1032z	04	Sep	2018	1.7m
ADEN	1053z	04	Sep	2018	1.0m
MAALLAH	1102z	04	Sep	2018	1.6m
QAWAH	1117z	04	Sep	2018	0.8m
AL MUALLA	1148z	04	Sep	2018	0.8m
AHWAR	2101z	04	Sep	2018	0.6m

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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.

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 INDIA for this event as more information becomes available

OTHER INDIAN OCEAN TSUNAMI SERVICE PROVIDERS:

Other IOTWMS-TSPs may issue additional information at:
 IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>
 IOTWMS-TSP INDONESIA: <http://inatews.bmkg.gov.id>

6. CONTACT INFORMATION

IOTWMS-TSP INDIA:
INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)
Indian National Centre for Ocean Information Services (INCOIS)
Address:"ocean valley", Pragathi Nagar (Bo), Nizampet (So),
Hyderabad - 500 090, India
Phone: 91-40-23895011
Fax: 91-40-23895012
Email: tsunami@incois.gov.in
Web: www.incois.gov.in

END OF BULLETIN

[illegible]

BULLETIN 14

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#####  
#  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####  
#
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-  
TEST TEST TEST   TEST TEST TEST TEST TEST TEST TEST TEST  
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-
```

TSUNAMI BULLETIN NUMBER 14
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 1700 UTC Tuesday 04 September 2018

... 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).

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information:

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Origin Time: 0600UTC
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Location: OFF COAST OF IRAN

2. EVALUATION

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Maximum wave amplitudes observed so far:

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Pemba (MOCAMBIQUE)	12.9 S	40.49 E	1557z	04 Sep 2018	0.24m
Sittwe (MYANMAR)	20.1 N	92.90 E	1600z	04 Sep 2018	0.14m
Padang (INDONESIA)	1.00 S	100.37 E	1624z	04 Sep 2018	0.13m
Comoros (COMORES)	11.7 S	43.25 E	1651z	04 Sep 2018	0.89m

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone (or a different threshold nominated by an NTWC), and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than the threshold amplitude at the beach are not shown.

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NANGATA	2237z	04 Sep 2018	0.7m
MOGINCUAL	0214z	05 Sep 2018	0.6m
MAGUEMBA	0627z	05 Sep 2018	0.6m

OMAN

MUSCAT	0617z	04 Sep 2018	5.6m
QURAYYAT	0621z	04 Sep 2018	8.5m
BARKA	0623z	04 Sep 2018	3.8m
AL KHABURAH	0629z	04 Sep 2018	3.0m
SUR	0629z	04 Sep 2018	7.1m
SOHAR	0637z	04 Sep 2018	4.3m
AL ASHKHARAH	0648z	04 Sep 2018	4.0m
MASIRAH	0702z	04 Sep 2018	2.2m
RAS AR RUWAYS	0709z	04 Sep 2018	3.3m
EAST MUSANDAM	0714z	04 Sep 2018	4.3m
AD DUQM	0730z	04 Sep 2018	2.9m
HASIK	0805z	04 Sep 2018	1.9m
AL JAZER	0810z	04 Sep 2018	1.7m
MIRBAT	0812z	04 Sep 2018	0.7m
TAQAH	0823z	04 Sep 2018	0.5m
SALALAH	0826z	04 Sep 2018	2.0m

PAKISTAN

ORMARA	0603z	04 Sep 2018	7.2m
WINDER	0653z	04 Sep 2018	2.4m
KARACHI	0730z	04 Sep 2018	2.4m
SINDH	0736z	04 Sep 2018	2.4m

SEYCHELLES

FREGATE ISLAND	1049z	04 Sep 2018	0.9m
TAKAMAKA	1145z	04 Sep 2018	1.0m

SOMALIA

TOOXIN	0926z	04 Sep 2018	1.9m
BANDER-BEYLA	0934z	04 Sep 2018	1.2m
QANDALA	0941z	04 Sep 2018	0.7m
EYL	0948z	04 Sep 2018	0.9m
ABO	0950z	04 Sep 2018	2.3m
HADAAFTIMO	0954z	04 Sep 2018	0.5m

GALDOGOB	1004z	04 Sep 2018	1.1m
MAYDH	1006z	04 Sep 2018	0.7m
XARARDHEERE	1030z	04 Sep 2018	1.3m
CEEL DHEER	1043z	04 Sep 2018	1.6m
MAREEG	1044z	04 Sep 2018	0.9m
ITALA	1050z	04 Sep 2018	0.8m
UARSCIECH	1053z	04 Sep 2018	0.6m
MUQDISHO	1100z	04 Sep 2018	0.7m
SAYLAC	1116z	04 Sep 2018	0.7m
BAKI	1117z	04 Sep 2018	0.7m
LOYADO	1122z	04 Sep 2018	0.9m
JARIIBAN	1127z	04 Sep 2018	0.8m
NE BEERNAASI	1323z	04 Sep 2018	1.0m
BARAAWE	1736z	04 Sep 2018	0.8m
JILIB	2356z	04 Sep 2018	0.5m
KAAMBOONI	0404z	05 Sep 2018	0.5m

SRI LANKA

AMBALANGODA	1129z	04 Sep 2018	0.6m
MATARA	1154z	04 Sep 2018	0.6m
GALLE	1533z	04 Sep 2018	0.8m
BERUWALA	1550z	04 Sep 2018	0.6m
MORATUWA	1912z	04 Sep 2018	0.7m
KIRINDA	2105z	04 Sep 2018	0.8m
HAMBANTOTA	2123z	04 Sep 2018	0.7m
COLOMBO	2230z	04 Sep 2018	0.5m

TANZANIA

MADANGWA	1245z	04 Sep 2018	1.0m
BAGAMOYO	1305z	04 Sep 2018	0.7m
JIMBO	1753z	04 Sep 2018	0.8m
RUVU	1844z	04 Sep 2018	0.6m
MSASANI	2056z	04 Sep 2018	0.7m
ZANZIBAR	2135z	04 Sep 2018	0.8m
WEST TO KONDE	2146z	04 Sep 2018	0.7m
SONGO SONGO ISLAND	2238z	04 Sep 2018	0.5m
KUTANI	2314z	04 Sep 2018	0.5m

UNITED ARAB EMIRATES

KALBA	0648z	04 Sep 2018	3.7m
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UNITED KINGDOM

MORESBY ISLAND	1101z	04 Sep 2018	0.6m
DIEGO GARCIA	1154z	04 Sep 2018	1.4m

YEMEN

DAMQAWT	0834z	04 Sep 2018	0.8m
SOCOTRA ISLAND SOUTH	0840z	04 Sep 2018	1.6m
AL GHAYDAH AIRPORT	0847z	04 Sep 2018	2.2m
SOCOTRA ISLAND NORTH	0850z	04 Sep 2018	1.2m
HUSWAYN	0900z	04 Sep 2018	1.7m
ALQUMRAH	0910z	04 Sep 2018	1.0m
SOCOTRA ISLAND WEST	0912z	04 Sep 2018	0.8m
MASILAH WADI	0918z	04 Sep 2018	1.2m
HARRAH	0922z	04 Sep 2018	1.0m
EAST TO HAMI	0922z	04 Sep 2018	1.0m

HAMI	0934z	04 Sep 2018	1.2m
BROM MAYFA	0943z	04 Sep 2018	0.8m
AL MUKALLA	0951z	04 Sep 2018	1.3m
RUDUM	1000z	04 Sep 2018	0.9m
KHANFAR	1032z	04 Sep 2018	1.7m
ADEN	1053z	04 Sep 2018	1.0m
MAALLAH	1102z	04 Sep 2018	1.6m
QAWAH	1117z	04 Sep 2018	0.8m
AL MUALLA	1148z	04 Sep 2018	0.8m
AHWAR	2101z	04 Sep 2018	0.6m

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.

The threat is deemed to have passed two hours after the forecast time for
last
exceedance of the 0.5m threat threshold for a zone. 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.

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 INDIA for this event as
more
information becomes available

OTHER INDIAN OCEAN TSUNAMI SERVICE PROVIDERS:

Other IOTWMS-TSPs may issue additional information at:
IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>
IOTWMS-TSP INDONESIA: <http://inatews.bmkg.gov.id>

6. CONTACT INFORMATION

IOTWMS-TSP INDIA:

INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)
Indian National Centre for Ocean Information Services (INCOIS)
Address: "ocean valley", Pragathi Nagar (Bo), Nizampet (So),
Hyderabad - 500 090, India
Phone: 91-40-23895011
Fax: 91-40-23895012
Email: tsunami@incois.gov.in
Web: www.incois.gov.in

END OF BULLETIN

[illegible]

BULLETIN 15

```
#####  
#  
#   TEST TEST TEST - EXERCISE IOWAVE18 - NOT A REAL TSUNAMI EVENT  
#  
#####  
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-  
TEST TEST TEST   TEST TEST TEST TEST TEST TEST TEST TEST  
-----  
-  
TSUNAMI BULLETIN NUMBER 15  
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)  
ISSUED AT 1800 UTC Tuesday 04 September 2018  
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... FINAL TSUNAMI BULLETIN ...

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. EARTHQUAKE INFORMATION

IOTWMS-TSP INDIA has detected an earthquake with the following preliminary information:

Magnitude: 9.0 M
Depth: 10 km
Date: 04 SEP 2018
Origin Time: 0600
Latitude: 24.8 N
Longitude: 58.2 E
Location: OFF COAST OF IRAN

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 INDIA 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.

Gwadar (PAKISTAN)	25.1 N	62.03 E	0604z	04 Sep 2018	7.24m
Chabahar (IRAN)	25.3 N	60.60 E	0615z	04 Sep 2018	5.96m
Muscat (OMAN)	23.6 N	58.57 E	0621z	04 Sep 2018	6.21m
Majis (OMAN)	24.5 N	56.61 E	0640z	04 Sep 2018	6.50m
23228 (INDIA)	20.8 N	65.35 E	0652z	04 Sep 2018	0.30m
23226 (INDIA)	20.2 N	67.33 E	0657z	04 Sep 2018	0.26m
Masirah (OMAN)	20.6 N	58.87 E	0706z	04 Sep 2018	1.88m

Salalah (OMAN)	16.9 N	54.01 E	0833z	04 Sep 2018	0.77m
Ormara_PK (PAKISTAN)	25.2 N	64.07 E	0842z	04 Sep 2018	3.53m
Veraval (INDIA)	20.9 N	70.36 E	0910z	04 Sep 2018	2.00m
Minicoy (INDIA)	8.28 N	73.05 E	0930z	04 Sep 2018	0.41m
Hanimaadhoo (MALDIVE ISLANDS)	6.77 N	73.17 E	1015z	04 Sep 2018	0.56m
Gan (MALDIVE ISLANDS)	0.69 S	73.15 E	1033z	04 Sep 2018	0.73m
Colombo (SRILANKA)	6.95 N	79.85 E	1130z	04 Sep 2018	0.35m
Male (MALDIVE ISLANDS)	4.19 N	73.53 E	1139z	04 Sep 2018	0.42m
Agalega (MAURITIUS)	10.3 S	56.59 E	1204z	04 Sep 2018	0.28m
Marmagao (INDIA)	15.4 N	73.80 E	1248z	04 Sep 2018	1.33m
Mombasa (KENYA)	4.07 S	39.65 E	1318z	04 Sep 2018	0.25m
Cochin (INDIA)	9.97 N	76.27 E	1334z	04 Sep 2018	1.35m
Lamu (KENYA)	2.27 S	40.90 E	1427z	04 Sep 2018	0.49m
Rodrigue (MAURITIUS)	19.6 S	63.42 E	1442z	04 Sep 2018	0.56m
Visakhapatnam (INDIA)	17.6 N	83.28 E	1448z	04 Sep 2018	0.07m
Christmas Island (AUSTRALIA)	10.4 S	105.67 E	1524z	04 Sep 2018	0.26m
Pemba (MOCAMBIQUE)	12.9 S	40.49 E	1557z	04 Sep 2018	0.24m
Sittwe (MYANMAR)	20.1 N	92.90 E	1600z	04 Sep 2018	0.14m
Padang (INDONESIA)	1.00 S	100.37 E	1624z	04 Sep 2018	0.13m
Comoros (COMORES)	11.7 S	43.25 E	1651z	04 Sep 2018	0.89m
Zanzibar (TANZANIA)	6.16 S	39.19 E	1709z	04 Sep 2018	0.29m
Portblair (INDIA)	11.6 N	92.77 E	1724z	04 Sep 2018	0.05m
Waikelo (INDONESIA)	9.39 S	119.22 E	1751z	04 Sep 2018	0.13m

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. UPDATE

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

6. OTHER INDIAN OCEAN TSUNAMI SERVICE PROVIDERS:

Other IOTWMS-TSPs may issue additional information at:
 IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>
 IOTWMS-TSP INDONESIA: <http://inatews.bmkg.gov.id>

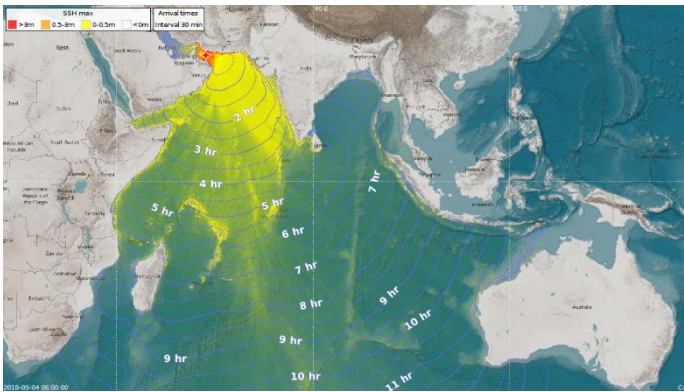
7. CONTACT INFORMATION

IOTWMS-TSP INDIA:
INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)
Indian National Centre for Ocean Information Services (INCOIS)
Address:"ocean valley", Pragathi Nagar (Bo), Nizampet (So),
Hyderabad - 500 090, India
Phone: 91-40-23895011
Fax: 91-40-23895012
Email: tsunami@incois.gov.in
Web: www.incois.gov.in

END OF BULLETIN

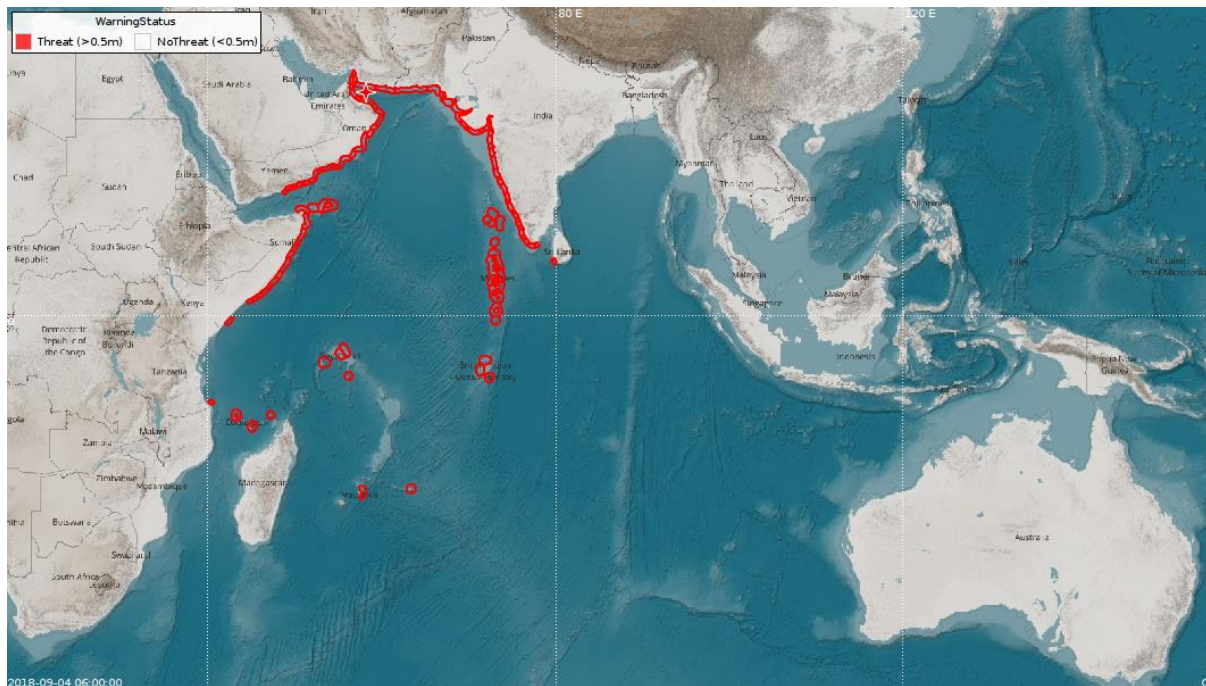
[illegible]

5. TSP INDONESIA MAPS

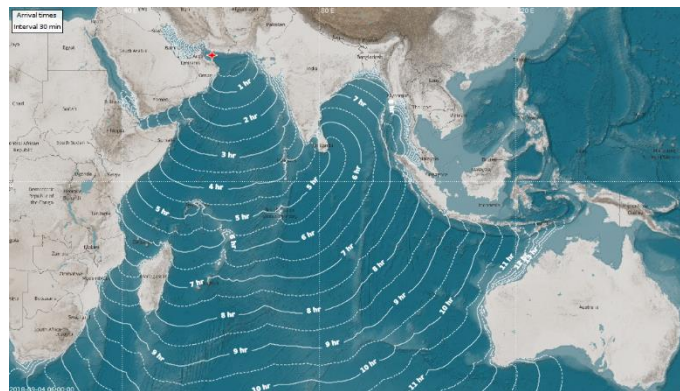


M 8.7

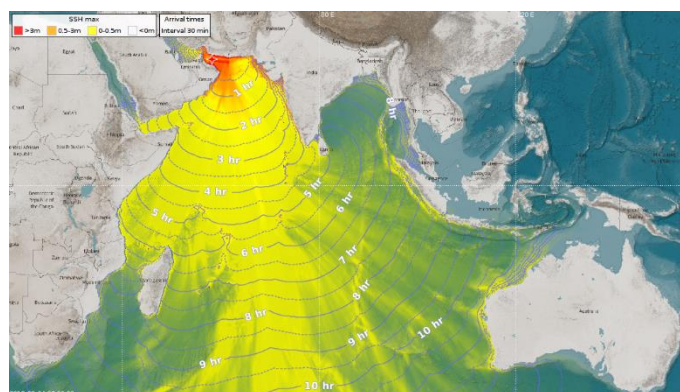
Threat Map



Travel Time Map Maximum

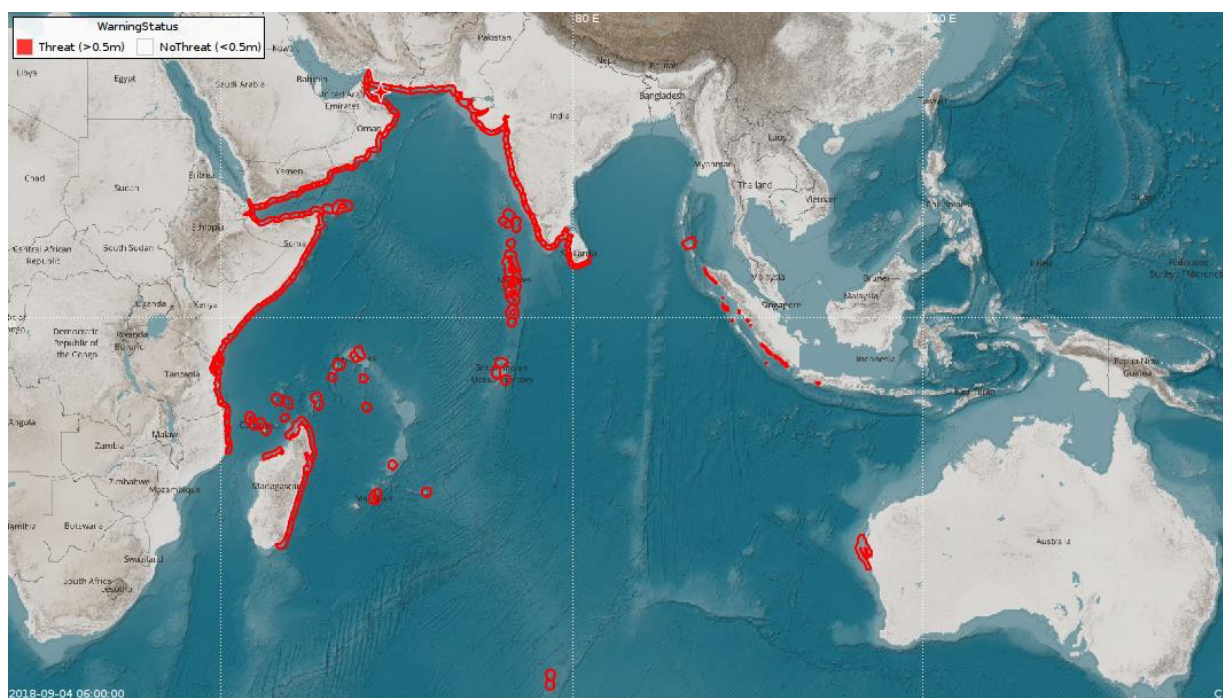


Wave Amplitude Map

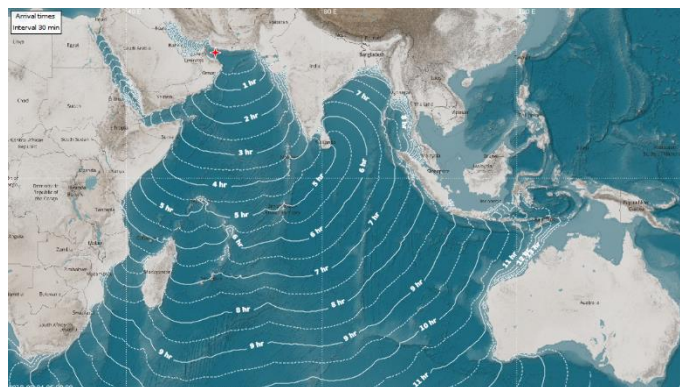


M 9.0

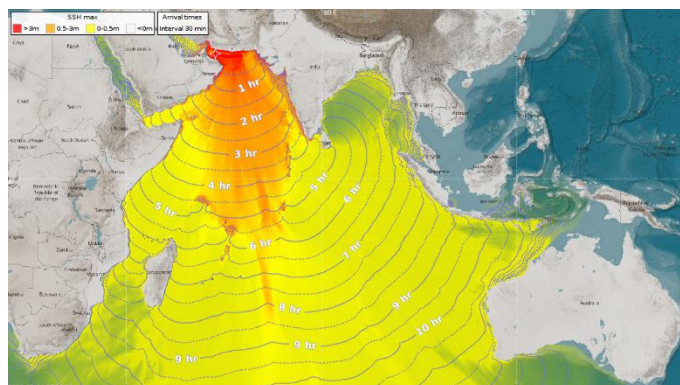
Threat Map



Travel time Map



Maximum Wave Amplitude Map



6. TSP INDONESIA BULLETINS

BULLETIN 1

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20180904-0607-001

TSUNAMI BULLETIN NUMBER 1 (TYPE-I EARTHQUAKE BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0607 UTC, Tuesday, 04 September 2018

... EARTHQUAKE BULLETIN ...

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. EARTHQUAKE INFORMATION

IOTWMS-TSP INDONESIA has detected an earthquake with the following preliminary information:

Magnitude : 8.3 Mwp
Depth : 10km
Date : 04 Sep 2018
Origin Time: 06:00:00 UTC
Latitude : 24.80N
Longitude : 58.20E
Location : Gulf of Oman

2. EVALUATION

Based on historical data and tsunami modelling, this earthquake may be capable of generating a tsunami affecting the Indian Ocean region. IOTWMS-TSP INDONESIA will monitor sea level gauges near the earthquake to determine if a tsunami was generated and will issue further bulletins for this event.

Further information on this event will be available at:
<http://rtsp.bmkg.go.id>

3. 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.

4. OTHER INDIAN OCEAN TSUNAMI SERVICE PROVIDERS:

Other IOTWMS-TSPs may issue additional information at:
IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>
IOTWMS-TSP INDIA: <http://www.incois.gov.in/Incois/tsunami/eqevents.jsp>

5. CONTACT INFORMATION

IOTWMS-TSP INDONESIA:
THE AGENCY FOR METEOROLOGY CLIMATOLOGY AND GEOPHYSICS (BMKG)
InaTEWS - Indonesian Tsunami Early Warning System
Address: Jl. Angkasa I no.2 Kemayoran, Jakarta, Indonesia, 10720
Tel.: +62 (21) 4246321/6546316
Fax: +62 (21) 6546316/4246703
P.O. Box 3540 Jakarta
Website: <http://rtsp.bmkg.go.id/publicbull.php>
E-Mail: inartsp@bmkg.go.id
monitrtwp@bmkg.go.id

END OF BULLETIN

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST

BULLETIN 2

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20180904-0612-002

TSUNAMI BULLETIN NUMBER 2 (TYPE-II THREAT ASSESSMENT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0612 UTC, Tuesday, 04 September 2018

... 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. EARTHQUAKE INFORMATION (updated)

IOTWMS-TSP INDONESIA has detected an earthquake with the following details:

Magnitude : 8.7 Mw (REVISED)
Depth : 10km
Date : 04 Sep 2018
Origin Time: 06:00:00 UTC
Latitude : 24.80N
Longitude : 58.20E
Location : Gulf of Oman

2. EVALUATION

Earthquakes of this size are capable of generating tsunamis. However, so far there is no confirmation about the triggering of a tsunami.

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 pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone (or a different threshold nominated by an NTWC), and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than the threshold amplitude at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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 20:52z 04Sep2018 0.58m

COMOROS

CHEZANI	12:35z	04Sep2018	0.58m
DZAOUDZI	13:02z	04Sep2018	0.56m

FRANCE

ILE KERGUELEN	19:15z	04Sep2018	0.53m
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INDIA

MANDVI	08:15z	04Sep2018	1.53m
PORBANDAR	08:21z	04Sep2018	1.27m
DWARKA	08:26z	04Sep2018	1.57m
JAMNAGAR	08:29z	04Sep2018	1.22m
MANGROL	08:33z	04Sep2018	1.31m
AGATTI	08:53z	04Sep2018	0.77m
AMINI	09:08z	04Sep2018	1.20m
MINICOY	09:21z	04Sep2018	0.73m
ANDROTH	09:21z	04Sep2018	0.76m
PANAJI	09:25z	04Sep2018	0.97m
VASCO	09:25z	04Sep2018	1.12m
MALVAN BAY	09:40z	04Sep2018	1.09m
HAZIRA, DIU	09:54z	04Sep2018	1.01m
MUMBAI	10:07z	04Sep2018	1.29m
PIPAVAV	10:12z	04Sep2018	1.39m
MAHUVA	10:15z	04Sep2018	0.92m
VAKKAD	10:16z	04Sep2018	1.14m
KARWAR	10:19z	04Sep2018	1.28m
KHAMBAT	10:21z	04Sep2018	1.06m
ALIBAG PORT	10:33z	04Sep2018	1.10m
BHARUCH	10:34z	04Sep2018	1.42m
KAVARATTI	11:49z	04Sep2018	0.56m
KASARAGOD	12:40z	04Sep2018	0.85m
JAIGARH	13:14z	04Sep2018	0.94m
HAZIRA	13:31z	04Sep2018	1.15m
ALLEPPEY ALAPPUZHA	13:32z	04Sep2018	0.67m
BEYPORE	13:35z	04Sep2018	0.83m
VADANAPPALLY	13:39z	04Sep2018	0.77m
QUILON	13:56z	04Sep2018	0.65m
MAHE	14:21z	04Sep2018	0.85m
KANNUR	14:23z	04Sep2018	0.93m
DAMAN	14:35z	04Sep2018	0.82m
MANGALORE	14:47z	04Sep2018	0.91m
UDUPI	15:07z	04Sep2018	0.96m
BORSI	15:37z	04Sep2018	0.96m
TARAPUR	15:39z	04Sep2018	1.26m
COCHIN	16:00z	04Sep2018	0.68m
TRIVANDRUM	17:37z	04Sep2018	0.65m
KOODANKULAM	17:39z	04Sep2018	0.70m
KANYAKUMARI	19:33z	04Sep2018	0.67m

IRAN

BIR	06:12z	04Sep2018	7.31m
PUSHT	06:15z	04Sep2018	10.26m
MISKI	06:59z	04Sep2018	3.51m

MADAGASCAR

GLORIOSO ISLANDS	20:20z	04Sep2018	0.62m
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MALDIVES

KULHUDUFFUSHI	09:36z	04Sep2018	0.83m
GOIDHOO	09:43z	04Sep2018	1.01m
FERIDHOO	09:55z	04Sep2018	1.23m
NILANDHOO	09:56z	04Sep2018	0.87m
HITHADHOO	10:28z	04Sep2018	0.71m
THINADHOO	13:14z	04Sep2018	0.69m
MALE	13:51z	04Sep2018	0.64m
KOLHUFUSHI	16:17z	04Sep2018	0.50m
DHIYAMIGILI	17:17z	04Sep2018	0.72m

MAURITIUS

LA FERME	13:56z	04Sep2018	0.57m
GRANDE REVIERE SUD EST-EAST	14:29z	04Sep2018	0.56m

OMAN

BARKA	06:11z	04Sep2018	8.38m
MUSCAT	06:12z	04Sep2018	10.34m
AL KHABURAH	06:13z	04Sep2018	7.22m
QURAYYAT	06:14z	04Sep2018	12.05m
SUR	06:21z	04Sep2018	10.18m
SOHAR	06:27z	04Sep2018	7.76m
AL ASHKHARAH	06:37z	04Sep2018	5.89m
EAST MUSANDAM	06:51z	04Sep2018	3.37m
MASIRAH	06:51z	04Sep2018	1.92m
RAS AR RUWAYS	06:59z	04Sep2018	3.65m
AD DUQM	07:19z	04Sep2018	1.58m
HASIK	07:47z	04Sep2018	0.77m
AL JAZER	07:51z	04Sep2018	1.52m
SALALAH	08:15z	04Sep2018	0.90m
MIRBAT	09:58z	04Sep2018	0.84m
TAQAH	15:58z	04Sep2018	0.58m

PAKISTAN

ORMARA	06:16z	04Sep2018	3.85m
WINDER	07:03z	04Sep2018	1.77m
KARACHI	07:45z	04Sep2018	2.29m
SINDH	11:21z	04Sep2018	1.49m

SEYCHELLES

FREGATE ISLAND	10:33z	04Sep2018	0.83m
TAKAMAKA	11:33z	04Sep2018	0.77m
COETIVY ISLAND	14:03z	04Sep2018	0.58m
ILE DESROCHES	17:36z	04Sep2018	0.62m

SOMALIA

TOOXIN	10:13z	04Sep2018	0.85m
BANDER-BEYLA	11:02z	04Sep2018	0.74m
JARIIBAN	11:06z	04Sep2018	1.35m
CEEL DHEER	14:23z	04Sep2018	0.70m
MUQDISHO	14:57z	04Sep2018	0.63m
MAREEG	15:03z	04Sep2018	0.54m
EYL	15:21z	04Sep2018	0.85m
BEYNAX BARRE	15:40z	04Sep2018	0.60m
XARARDHEERE	15:48z	04Sep2018	0.77m
GALDOGOB	16:16z	04Sep2018	0.95m
UARSCIECH	16:29z	04Sep2018	0.62m
NE BEERNAASI	17:25z	04Sep2018	0.56m
ABO	18:02z	04Sep2018	0.92m

ITALA	20:40z 04Sep2018	0.61m

SRI LANKA		

AMBALANGODA	15:59z 04Sep2018	0.52m
BERUWALA	17:48z 04Sep2018	0.51m

TANZANIA		

MADANGWA	12:49z 04Sep2018	0.51m

UNITED ARAB EMIRATES		

KALBA	06:48z 04Sep2018	7.71m

UNITED KINGDOM		

MORESBY ISLAND	11:06z 04Sep2018	0.69m
NW EGMONT ISLAND	11:32z 04Sep2018	0.82m
DIEGO GARCIA	12:42z 04Sep2018	0.66m

YEMEN		

SOCOTRA ISLAND SOUTH	08:19z 04Sep2018	0.97m
DAMQAWT	08:25z 04Sep2018	0.99m
SOCOTRA ISLAND NORTH	08:29z 04Sep2018	0.92m
AL GHAYDAH AIRPORT	09:51z 04Sep2018	1.08m
HARRAH	10:51z 04Sep2018	0.74m
AL MUKALLA	11:10z 04Sep2018	0.77m
MASILAH WADI	11:57z 04Sep2018	0.82m
ALQUMRAH	12:10z 04Sep2018	1.20m
HAMI	14:09z 04Sep2018	0.76m
HUSWAYN	14:30z 04Sep2018	0.93m
SOCOTRA ISLAND WEST	14:36z 04Sep2018	0.62m
EAST TO HAMI	17:55z 04Sep2018	0.77m
BROM MAYFA	19:48z 04Sep2018	0.58m

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 INDONESIA for this event as more information becomes available.

Other TSPs may issue additional information at:

IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>

IOTWMS-TSP INDIA: <http://www.incois.gov.in/Incois/tsunami/egevents.jsp>

6. CONTACT INFORMATION

IOTWMS-TSP INDONESIA:

THE AGENCY FOR METEOROLOGY CLIMATOLOGY AND GEOPHYSICS (BMKG)

InaTEWS - Indonesian Tsunami Early Warning System

Address: Jl. Angkasa I no.2 Kemayoran, Jakarta, Indonesia, 10720

Tel.: +62 (21) 4246321/6546316

Fax: +62 (21) 6546316/4246703

P.O. Box 3540 Jakarta

Website: <http://rtsp.bmkg.go.id/publicbull.php>

<http://www.bmkg.go.id>

<http://inatews.bmkg.go.id>

E-Mail: inartsp@bmkg.go.id
 monitrtp@bmkg.go.id

END OF BULLETIN

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
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BULLETIN 3

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
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TSP-InaTEWS-20180904-0630-003

TSUNAMI BULLETIN NUMBER 3 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0630 UTC, Tuesday, 04 September 2018

... 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. EARTHQUAKE INFORMATION (updated)

IOTWMS-TSP INDONESIA has detected an earthquake with the following details:

Magnitude : 9.0 Mw (REVISED)
Depth : 10km
Date : 04 Sep 2018
Origin Time: 06:00:00 UTC
Latitude : 24.80N
Longitude : 58.20E
Location : Gulf of Oman

2. EVALUATION

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

LOCATION	COUNTRIES	LAT	LON	AMPL(m)	TIME(UTC)	DATE
Gwadar	PAKISTAN	25.11N	62.33E	7.10	6:10	Sep 04, 2018
Chabahar	IRAN	25.29N	60.60E	5.72	6:19	Sep 04, 2018
Muscat	OMAN	23.63N	58.56E	5.48	6:23	Sep 04, 2018

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone (or a different threshold nominated by an NTWC), and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than the threshold amplitude at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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

GASCOYNE COAST 17:37z 04Sep2018 0.57m
HEARD ISLAND AND MCDONALD ISLANDS 19:56z 04Sep2018 1.64m
AURORA BANK 20:12z 04Sep2018 0.88m

COMOROS

CHEZANI	12:09z	04Sep2018	1.10m
BAMBAO	12:09z	04Sep2018	0.96m
DZAOUDZI	12:20z	04Sep2018	1.20m
FOMBONI	12:41z	04Sep2018	1.17m

DJIBOUTI

MUHAMMAD ALI BIN FATHA SUMANA	10:57z	04Sep2018	0.91m
NW ARTA	11:08z	04Sep2018	1.30m

FRANCE

ILE SAINT-PAUL-NORTH	16:21z	04Sep2018	0.75m
ILE SAINT-PAUL-SOUTH	16:40z	04Sep2018	0.59m
ILE DE LA POSSESSION	17:19z	04Sep2018	0.71m
CROZET PLATEAU	18:41z	04Sep2018	0.98m
ILE KERGUELEN	18:53z	04Sep2018	1.39m

INDIA

MANDVI	07:57z	04Sep2018	2.59m
PORBANDAR	08:01z	04Sep2018	2.27m
DWARKA	08:08z	04Sep2018	2.78m
JAMNAGAR	08:10z	04Sep2018	2.10m
MANGROL	08:17z	04Sep2018	2.38m
AGATTI	08:44z	04Sep2018	3.01m
KAVARATTI	08:56z	04Sep2018	1.38m
AMINI	09:00z	04Sep2018	3.25m
MALVAN BAY	09:00z	04Sep2018	1.81m
MINICOY	09:10z	04Sep2018	1.87m
PANAJI	09:11z	04Sep2018	1.97m
ANDROTH	09:13z	04Sep2018	2.24m
JAIGARH	09:15z	04Sep2018	1.97m
VASCO	09:16z	04Sep2018	2.33m
HAZIRA, DIU	09:38z	04Sep2018	2.35m
KARWAR	09:39z	04Sep2018	2.31m
MANGALORE	09:47z	04Sep2018	1.92m
KASARAGOD	09:51z	04Sep2018	2.14m
ALIBAG PORT	09:54z	04Sep2018	1.76m
ALLEPPEY ALAPPUZHA	09:54z	04Sep2018	1.66m
MUMBAI	09:55z	04Sep2018	2.71m
PIPAVAV	09:56z	04Sep2018	2.57m
MAHE	09:56z	04Sep2018	1.60m
UDUPI	09:57z	04Sep2018	2.29m
KANNUR	09:58z	04Sep2018	2.24m
MAHUVA	09:59z	04Sep2018	2.50m
QUILON	10:02z	04Sep2018	1.65m
VADANAPPALLY	10:03z	04Sep2018	1.89m
VAKKAD	10:03z	04Sep2018	2.21m
KHAMBAT	10:04z	04Sep2018	2.45m
BEYPORE	10:06z	04Sep2018	1.92m
COCHIN	10:08z	04Sep2018	1.83m
BHARUCH	10:10z	04Sep2018	2.00m
TRIVANDRUM	10:17z	04Sep2018	1.40m
HAZIRA	10:18z	04Sep2018	2.24m
BORSI	10:22z	04Sep2018	1.59m
TARAPUR	10:36z	04Sep2018	2.16m
DAMAN	10:43z	04Sep2018	2.37m
KANYAKUMARI	10:59z	04Sep2018	1.34m
KOODANKULAM	11:03z	04Sep2018	1.48m
KOTTTAIPPATTANAM	11:20z	04Sep2018	0.84m

TUTICORIN	20:12z	04Sep2018	0.75m
RAMESWARAM	20:23z	04Sep2018	0.56m
KOMATRA AND KATCHAL ISLAND	20:54z	04Sep2018	0.55m

INDONESIA

SUMUT NIAS BAGIAN BARAT	13:35z	04Sep2018	0.76m
SUMUT NIAS-SELATAN PULAU NIAS	14:04z	04Sep2018	0.68m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	15:12z	04Sep2018	0.64m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	15:19z	04Sep2018	0.54m
NAD ACEH-BESAR PULAU PENAS	15:33z	04Sep2018	0.90m
SUMUT NIAS-SELATAN PULAU TANABALA	15:40z	04Sep2018	0.50m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	16:32z	04Sep2018	0.55m
NAD ACEH-JAYA	17:07z	04Sep2018	0.68m
NAD ACEH-BESAR BAGIAN BARAT	17:08z	04Sep2018	1.52m
LAMPUNG TANGGAMUS BAGIAN BARAT	17:12z	04Sep2018	0.64m
NAD ACEH-BARAT	17:27z	04Sep2018	0.77m
NAD NAGAN-RAYA	18:28z	04Sep2018	0.56m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	18:54z	04Sep2018	0.54m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	18:59z	04Sep2018	0.71m
SUMUT NIAS BAGIAN TIMUR	19:39z	04Sep2018	0.51m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	20:10z	04Sep2018	0.63m
BENGKULU SELUMA	20:13z	04Sep2018	0.71m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	20:22z	04Sep2018	0.55m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	20:32z	04Sep2018	0.60m
JABAR TASIKMALAYA	20:38z	04Sep2018	0.54m
BENGKULU KAUR	20:48z	04Sep2018	0.52m
SUMBAR KOTA-PADANG BAGIAN SELATAN	20:52z	04Sep2018	0.64m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	20:54z	04Sep2018	0.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	21:00z	04Sep2018	0.55m

IRAN

PUSHT	06:12z	04Sep2018	14.84m
BIR	06:13z	04Sep2018	10.06m
MISKI	06:57z	04Sep2018	6.76m

KENYA

KIPINI	12:04z	04Sep2018	1.05m
TAKAUNGU	12:08z	04Sep2018	0.96m
KISIMACHANDE	12:10z	04Sep2018	1.07m
MVULENI	12:31z	04Sep2018	0.91m
MALINDI	14:20z	04Sep2018	0.87m
KIWAYU	14:52z	04Sep2018	0.85m

MADAGASCAR

GLORIOSO ISLANDS	11:54z	04Sep2018	0.89m
BALY	12:42z	04Sep2018	0.58m
VOHEMAR	12:55z	04Sep2018	0.88m
ANOROTSANGANA	13:35z	04Sep2018	0.93m
TAMPOLO	14:05z	04Sep2018	0.96m
TOAMASINA AIRPORT	14:19z	04Sep2018	0.55m
MANANTENINA	15:18z	04Sep2018	0.55m
FARAFAGANA	15:48z	04Sep2018	0.78m
AMBAHY	18:24z	04Sep2018	0.76m

MALDIVES

KULHUDUFFUSHI	09:19z	04Sep2018	1.87m
GOIDHOO	09:34z	04Sep2018	2.42m
FERIDHOO	09:47z	04Sep2018	2.70m

NILANDHOO	09:48z	04Sep2018	1.99m
MALE	10:03z	04Sep2018	1.24m
DHIYAMIGILI	10:03z	04Sep2018	1.60m
THINADHOO	10:07z	04Sep2018	2.02m
KOLHUFUSHI	10:12z	04Sep2018	1.05m
HITHADHOO	10:20z	04Sep2018	1.72m

MAURITIUS

AGALEGA ISLAND	11:42z	04Sep2018	1.09m
GRANDE REVIERE SUD EST-WEST	13:12z	04Sep2018	0.58m
GRANDE REVIERE SUD EST-EAST	13:29z	04Sep2018	1.42m
CARGADOS CARAJOS	13:36z	04Sep2018	0.94m
LA FERME	13:58z	04Sep2018	1.52m

MOZAMBIQUE

MAGANJA	12:31z	04Sep2018	0.97m
MERONVI	12:35z	04Sep2018	0.85m
TAVARI	12:43z	04Sep2018	0.60m
MECUFI	12:54z	04Sep2018	0.91m
NANGATA	12:56z	04Sep2018	0.68m
MINHAUINE	13:02z	04Sep2018	0.89m
QUITERAJO	13:16z	04Sep2018	0.70m
PEMBA	13:40z	04Sep2018	0.56m
MURREBUE	14:18z	04Sep2018	0.68m
LURIO	18:27z	04Sep2018	0.51m
LUMBO	18:43z	04Sep2018	0.53m

OMAN

MUSCAT	06:09z	04Sep2018	15.62m
BARKA	06:09z	04Sep2018	12.70m
AL KHABURAH	06:10z	04Sep2018	9.20m
QURAYYAT	06:12z	04Sep2018	17.70m
SUR	06:20z	04Sep2018	15.04m
SOHAR	06:21z	04Sep2018	9.71m
AL ASHKHARAH	06:28z	04Sep2018	7.69m
MASIRAH	06:49z	04Sep2018	3.80m
EAST MUSANDAM	06:50z	04Sep2018	7.43m
RAS AR RUWAYS	06:57z	04Sep2018	4.87m
AD DUQM	07:26z	04Sep2018	3.37m
HASIK	07:47z	04Sep2018	1.80m
AL JAZER	07:48z	04Sep2018	3.90m
MIRBAT	07:51z	04Sep2018	1.32m
TAQAH	08:00z	04Sep2018	1.57m
SALALAH	08:12z	04Sep2018	1.88m

PAKISTAN

ORMARA	06:06z	04Sep2018	9.50m
WINDER	06:54z	04Sep2018	4.43m
SINDH	07:24z	04Sep2018	3.88m
KARACHI	07:26z	04Sep2018	4.76m

SEYCHELLES

FREGATE ISLAND	10:31z	04Sep2018	2.40m
ILE DESROCHES	11:03z	04Sep2018	1.16m
TAKAMAKA	11:29z	04Sep2018	1.82m
ASTOVE ISLAND	11:34z	04Sep2018	0.83m
ALDABRA	11:38z	04Sep2018	0.91m
ALPHONSE ISLAND	11:53z	04Sep2018	0.57m

COETIVY ISLAND	12:22z	04Sep2018	0.95m
FARQUHAR GROUP	12:22z	04Sep2018	0.68m

SOMALIA

TOOXIN	09:09z	04Sep2018	1.86m
ABO	09:12z	04Sep2018	2.25m
QANDALA	09:18z	04Sep2018	1.24m
BANDER-BEYLA	09:23z	04Sep2018	1.72m
HADAAFTIMO	09:32z	04Sep2018	0.88m
EYL	09:40z	04Sep2018	1.84m
BOSASO	09:40z	04Sep2018	1.06m
JARIIBAN	09:53z	04Sep2018	2.58m
GALDOGOB	09:55z	04Sep2018	2.00m
MAYDH	09:58z	04Sep2018	0.95m
KABURA	10:07z	04Sep2018	0.65m
XARARDHEERE	10:16z	04Sep2018	1.97m
CEEL DHEER	10:25z	04Sep2018	1.65m
ITALA	10:28z	04Sep2018	1.08m
MAREEG	10:31z	04Sep2018	1.84m
UARSCIECH	10:38z	04Sep2018	1.26m
MUQDISHO	10:42z	04Sep2018	1.28m
BAKI	10:42z	04Sep2018	0.70m
BEYNAX BARRE	10:50z	04Sep2018	1.27m
SAYLAC	10:52z	04Sep2018	1.09m
BARAAWE	10:59z	04Sep2018	0.85m
LOYADO	11:00z	04Sep2018	1.20m
JILIB	11:14z	04Sep2018	1.16m
TURDHO	11:19z	04Sep2018	1.06m
NE BEERNAASI	11:22z	04Sep2018	1.29m
KAAMBOONI	11:33z	04Sep2018	1.06m

SRI LANKA

COLOMBO	10:40z	04Sep2018	0.79m
BERUWALA	10:51z	04Sep2018	0.86m
AMBALANGODA	10:52z	04Sep2018	1.13m
MORATUWA	10:52z	04Sep2018	0.99m
GALLE	10:57z	04Sep2018	1.04m
MATARA	11:36z	04Sep2018	0.81m
HAMBANTOTA	15:13z	04Sep2018	0.61m
NEGOMBO	15:42z	04Sep2018	0.70m
MANNAR ISLAND	15:56z	04Sep2018	0.68m
TANGALLE	15:58z	04Sep2018	0.59m
MUNDAL LAKE	16:08z	04Sep2018	0.59m
POTTUVIL	16:16z	04Sep2018	0.61m
KIRINDA	17:05z	04Sep2018	0.55m
MUSALI	19:25z	04Sep2018	0.62m

TANZANIA

VUMBI	12:08z	04Sep2018	1.13m
ZANZIBAR	12:15z	04Sep2018	0.68m
KUTANI	12:20z	04Sep2018	0.84m
SONGO SONGO ISLAND	12:22z	04Sep2018	0.88m
VUMBA	12:23z	04Sep2018	0.64m
RUUVU	12:25z	04Sep2018	0.84m
MSASANI	12:28z	04Sep2018	0.79m
MADANGWA	12:29z	04Sep2018	1.31m
BOMALANDNI	12:40z	04Sep2018	1.03m
BAGAMOYO	12:41z	04Sep2018	0.84m
WEST TO KONDE	12:44z	04Sep2018	1.00m
GAZIJA	17:48z	04Sep2018	0.71m
JIMBO	18:02z	04Sep2018	0.76m

UNITED ARAB EMIRATES

KALBA 06:47z 04Sep2018 9.47m

UNITED KINGDOM

MORESBY ISLAND 11:00z 04Sep2018 1.88m
NW EGMONT ISLAND 11:14z 04Sep2018 1.60m
DIEGO GARCIA 11:34z 04Sep2018 1.66m

YEMEN

DAMQAWT 08:17z 04Sep2018 1.97m
SOCOTRA ISLAND SOUTH 08:17z 04Sep2018 2.30m
AL GHAYDAH AIRPORT 08:31z 04Sep2018 2.10m
SOCOTRA ISLAND NORTH 08:39z 04Sep2018 2.04m
SOCOTRA ISLAND WEST 08:43z 04Sep2018 1.38m
HUSWAYN 08:47z 04Sep2018 2.48m
ALQUMRAH 08:50z 04Sep2018 2.28m
MASILAH WADI 08:59z 04Sep2018 1.86m
HARRAH 09:02z 04Sep2018 2.15m
EAST TO HAMI 09:05z 04Sep2018 1.41m
AL MUKALLA 09:18z 04Sep2018 1.96m
HAMI 09:22z 04Sep2018 1.97m
BROM MAYFA 09:25z 04Sep2018 1.26m
RUDUM 09:46z 04Sep2018 1.03m
AHWAR 09:51z 04Sep2018 0.87m
KHANFAR 10:28z 04Sep2018 1.30m
ADEN 10:32z 04Sep2018 1.06m
MAALLAH 10:38z 04Sep2018 1.07m
QAWAH 11:03z 04Sep2018 0.85m
AL MUALLA 11:34z 04Sep2018 0.96m

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 INDONESIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:

IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>

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

6. CONTACT INFORMATION

IOTWMS-TSP INDONESIA:

THE AGENCY FOR METEOROLOGY CLIMATOLOGY AND GEOPHYSICS (BMKG)

InaTEWS - Indonesian Tsunami Early Warning System

Address: Jl. Angkasa I no.2 Kemayoran, Jakarta, Indonesia, 10720

Tel.: +62 (21) 4246321/6546316

Fax: +62 (21) 6546316/4246703

P.O. Box 3540 Jakarta

Website: <http://rtsp.bmkg.go.id/publicbull.php>

<http://www.bmkg.go.id>

<http://inatews.bmkg.go.id>

E-Mail: inartsp@bmkg.go.id

monitrtwp@bmkg.go.id

END OF BULLETIN

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST

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BULLETIN 4

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20180904-0700-004

TSUNAMI BULLETIN NUMBER 4 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0700 UTC, Tuesday, 04 September 2018

... 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. EARTHQUAKE INFORMATION (updated)

IOTWMS-TSP INDONESIA has detected an earthquake with the following details:

Magnitude : 9.0 Mw
Depth : 10km
Date : 04 Sep 2018
Origin Time: 06:00:00 UTC
Latitude : 24.80N
Longitude : 58.20E
Location : Gulf of Oman

2. EVALUATION

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

LOCATION	COUNTRIES	LAT	LON	AMPL(m)	TIME(UTC)	DATE
Gwadar	PAKISTAN	25.11N	62.33E	7.10	6:10	Sep 04, 2018
Chabahar	IRAN	25.29N	60.60E	5.72	6:19	Sep 04, 2018
Muscat	OMAN	23.63N	58.56E	5.48	6:23	Sep 04, 2018
Majis	OMAN	24.51N	56.60E	6.50	6:40	Sep 04, 2018
Khawr Wudam	OMAN	23.82N	57.52E	8.00	6:45	Sep 04, 2018

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone (or a different threshold nominated by an NTWC), and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than the threshold amplitude at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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

GASCOYNE COAST	17:37z	04Sep2018	0.57m
HEARD ISLAND AND MCDONALD ISLANDS	19:56z	04Sep2018	1.64m
AURORA BANK	20:12z	04Sep2018	0.88m

COMOROS

CHEZANI	12:09z	04Sep2018	1.10m
BAMBAAO	12:09z	04Sep2018	0.96m
DZAOUDZI	12:20z	04Sep2018	1.20m
FOMBONI	12:41z	04Sep2018	1.17m

DJIBOUTI

MUHAMMAD ALI BIN FATHA SUMANA	10:57z	04Sep2018	0.91m
NW ARTA	11:08z	04Sep2018	1.30m

FRANCE

ILE SAINT-PAUL-NORTH	16:21z	04Sep2018	0.75m
ILE SAINT-PAUL-SOUTH	16:40z	04Sep2018	0.59m
ILE DE LA POSSESSION	17:19z	04Sep2018	0.71m
CROZET PLATEAU	18:41z	04Sep2018	0.98m
ILE KERGUELEN	18:53z	04Sep2018	1.39m

INDIA

MANDVI	07:57z	04Sep2018	2.59m
PORBANDAR	08:01z	04Sep2018	2.27m
DWARKA	08:08z	04Sep2018	2.78m
JAMNAGAR	08:10z	04Sep2018	2.10m
MANGROL	08:17z	04Sep2018	2.38m
AGATTI	08:44z	04Sep2018	3.01m
KAVARATTI	08:56z	04Sep2018	1.38m
AMINI	09:00z	04Sep2018	3.25m
MALVAN BAY	09:00z	04Sep2018	1.81m
MINICOY	09:10z	04Sep2018	1.87m
PANAJI	09:11z	04Sep2018	1.97m
ANDROTH	09:13z	04Sep2018	2.24m
JAIGARH	09:15z	04Sep2018	1.97m
VASCO	09:16z	04Sep2018	2.33m
HAZIRA, DIU	09:38z	04Sep2018	2.35m
KARWAR	09:39z	04Sep2018	2.31m
MANGALORE	09:47z	04Sep2018	1.92m
KASARAGOD	09:51z	04Sep2018	2.14m
ALIBAG PORT	09:54z	04Sep2018	1.76m
ALLEPPEY ALAPPUZHA	09:54z	04Sep2018	1.66m
MUMBAI	09:55z	04Sep2018	2.71m
PIPAVAV	09:56z	04Sep2018	2.57m
MAHE	09:56z	04Sep2018	1.60m
UDUPI	09:57z	04Sep2018	2.29m
KANNUR	09:58z	04Sep2018	2.24m
MAHUVA	09:59z	04Sep2018	2.50m
QUILON	10:02z	04Sep2018	1.65m
VADANAPPALLY	10:03z	04Sep2018	1.89m
VAKKAD	10:03z	04Sep2018	2.21m
KHAMBAT	10:04z	04Sep2018	2.45m
BEYPORE	10:06z	04Sep2018	1.92m
COCHIN	10:08z	04Sep2018	1.83m
BHARUCH	10:10z	04Sep2018	2.00m
TRIVANDRUM	10:17z	04Sep2018	1.40m
HAZIRA	10:18z	04Sep2018	2.24m
BORSI	10:22z	04Sep2018	1.59m
TARAPUR	10:36z	04Sep2018	2.16m
DAMAN	10:43z	04Sep2018	2.37m

KANYAKUMARI	10:59z	04Sep2018	1.34m
KOODANKULAM	11:03z	04Sep2018	1.48m
KOTTTAIPPATTANAM	11:20z	04Sep2018	0.84m
TUTICORIN	20:12z	04Sep2018	0.75m
RAMESWARAM	20:23z	04Sep2018	0.56m
KOMATRA AND KATCHAL ISLAND	20:54z	04Sep2018	0.55m

INDONESIA

SUMUT NIAS BAGIAN BARAT	13:35z	04Sep2018	0.76m
SUMUT NIAS-SELATAN PULAU NIAS	14:04z	04Sep2018	0.68m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	15:12z	04Sep2018	0.64m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	15:19z	04Sep2018	0.54m
NAD ACEH-BESAR PULAU PENAS	15:33z	04Sep2018	0.90m
SUMUT NIAS-SELATAN PULAU TANABALA	15:40z	04Sep2018	0.50m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	16:32z	04Sep2018	0.55m
NAD ACEH-JAYA	17:07z	04Sep2018	0.68m
NAD ACEH-BESAR BAGIAN BARAT	17:08z	04Sep2018	1.52m
LAMPUNG TANGGAMUS BAGIAN BARAT	17:12z	04Sep2018	0.64m
NAD ACEH-BARAT	17:27z	04Sep2018	0.77m
NAD NAGAN-RAYA	18:28z	04Sep2018	0.56m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	18:54z	04Sep2018	0.54m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	18:59z	04Sep2018	0.71m
SUMUT NIAS BAGIAN TIMUR	19:39z	04Sep2018	0.51m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	20:10z	04Sep2018	0.63m
BENGKULU SELUMA	20:13z	04Sep2018	0.71m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	20:22z	04Sep2018	0.55m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	20:32z	04Sep2018	0.60m
JABAR TASIKMALAYA	20:38z	04Sep2018	0.54m
BENGKULU KAUR	20:48z	04Sep2018	0.52m
SUMBAR KOTA-PADANG BAGIAN SELATAN	20:52z	04Sep2018	0.64m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	20:54z	04Sep2018	0.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	21:00z	04Sep2018	0.55m

IRAN

PUSHT	06:12z	04Sep2018	14.84m
BIR	06:13z	04Sep2018	10.06m
MISKI	06:57z	04Sep2018	6.76m

KENYA

KIPINI	12:04z	04Sep2018	1.05m
TAKAUNGU	12:08z	04Sep2018	0.96m
KISIMACHANDE	12:10z	04Sep2018	1.07m
MVULENI	12:31z	04Sep2018	0.91m
MALINDI	14:20z	04Sep2018	0.87m
KIWAYU	14:52z	04Sep2018	0.85m

MADAGASCAR

GLORIOSO ISLANDS	11:54z	04Sep2018	0.89m
BALY	12:42z	04Sep2018	0.58m
VOHEMAR	12:55z	04Sep2018	0.88m
ANOROTSANGANA	13:35z	04Sep2018	0.93m
TAMPOLO	14:05z	04Sep2018	0.96m
TOAMASINA AIRPORT	14:19z	04Sep2018	0.55m
MANANTENINA	15:18z	04Sep2018	0.55m
FARAFAGANA	15:48z	04Sep2018	0.78m
AMBAHY	18:24z	04Sep2018	0.76m

MALDIVES

KULHUDUFFUSHI	09:19z	04Sep2018	1.87m
GOIDHOO	09:34z	04Sep2018	2.42m
FERIDHOO	09:47z	04Sep2018	2.70m
NILANDHOO	09:48z	04Sep2018	1.99m
MALE	10:03z	04Sep2018	1.24m
DHIYAMIGILI	10:03z	04Sep2018	1.60m
THINADHOO	10:07z	04Sep2018	2.02m
KOLHUFUSHI	10:12z	04Sep2018	1.05m
HITHADHOO	10:20z	04Sep2018	1.72m

MAURITIUS

AGALEGA ISLAND	11:42z	04Sep2018	1.09m
GRANDE REVIERE SUD EST-WEST	13:12z	04Sep2018	0.58m
GRANDE REVIERE SUD EST-EAST	13:29z	04Sep2018	1.42m
CARGADOS CARAJOS	13:36z	04Sep2018	0.94m
LA FERME	13:58z	04Sep2018	1.52m

MOZAMBIQUE

MAGANJA	12:31z	04Sep2018	0.97m
MERONVI	12:35z	04Sep2018	0.85m
TAVARI	12:43z	04Sep2018	0.60m
MECUFI	12:54z	04Sep2018	0.91m
NANGATA	12:56z	04Sep2018	0.68m
MINHAUINE	13:02z	04Sep2018	0.89m
QUITERAJO	13:16z	04Sep2018	0.70m
PEMBA	13:40z	04Sep2018	0.56m
MURREBUE	14:18z	04Sep2018	0.68m
LURIO	18:27z	04Sep2018	0.51m
LUMBO	18:43z	04Sep2018	0.53m

OMAN

MUSCAT	06:09z	04Sep2018	15.62m
BARKA	06:09z	04Sep2018	12.70m
AL KHABURAH	06:10z	04Sep2018	9.20m
QURAYYAT	06:12z	04Sep2018	17.70m
SUR	06:20z	04Sep2018	15.04m
SOHAR	06:21z	04Sep2018	9.71m
AL ASHKHARAH	06:28z	04Sep2018	7.69m
MASIRAH	06:49z	04Sep2018	3.80m
EAST MUSANDAM	06:50z	04Sep2018	7.43m
RAS AR RUWAYS	06:57z	04Sep2018	4.87m
AD DUQM	07:26z	04Sep2018	3.37m
HASIK	07:47z	04Sep2018	1.80m
AL JAZER	07:48z	04Sep2018	3.90m
MIRBAT	07:51z	04Sep2018	1.32m
TAQAH	08:00z	04Sep2018	1.57m
SALALAH	08:12z	04Sep2018	1.88m

PAKISTAN

ORMARA	06:06z	04Sep2018	9.50m
WINDER	06:54z	04Sep2018	4.43m
SINDH	07:24z	04Sep2018	3.88m
KARACHI	07:26z	04Sep2018	4.76m

SEYCHELLES

FREGATE ISLAND	10:31z	04Sep2018	2.40m
ILE DESROCHES	11:03z	04Sep2018	1.16m
TAKAMAKA	11:29z	04Sep2018	1.82m

ASTOVE ISLAND	11:34z	04Sep2018	0.83m
ALDABRA	11:38z	04Sep2018	0.91m
ALPHONSE ISLAND	11:53z	04Sep2018	0.57m
COETIVY ISLAND	12:22z	04Sep2018	0.95m
FARQUHAR GROUP	12:22z	04Sep2018	0.68m

SOMALIA

TOOXIN	09:09z	04Sep2018	1.86m
ABO	09:12z	04Sep2018	2.25m
QANDALA	09:18z	04Sep2018	1.24m
BANDER-BEYLA	09:23z	04Sep2018	1.72m
HADAAFTIMO	09:32z	04Sep2018	0.88m
EYL	09:40z	04Sep2018	1.84m
BOSASO	09:40z	04Sep2018	1.06m
JARIIBAN	09:53z	04Sep2018	2.58m
GALDOGOB	09:55z	04Sep2018	2.00m
MAYDH	09:58z	04Sep2018	0.95m
KABURA	10:07z	04Sep2018	0.65m
XARARDHEERE	10:16z	04Sep2018	1.97m
CEEL DHEER	10:25z	04Sep2018	1.65m
ITALA	10:28z	04Sep2018	1.08m
MAREEG	10:31z	04Sep2018	1.84m
UARSCIECH	10:38z	04Sep2018	1.26m
MUQDISHO	10:42z	04Sep2018	1.28m
BAKI	10:42z	04Sep2018	0.70m
BEYNAX BARRE	10:50z	04Sep2018	1.27m
SAYLAC	10:52z	04Sep2018	1.09m
BARAAWE	10:59z	04Sep2018	0.85m
LOYADO	11:00z	04Sep2018	1.20m
JILIB	11:14z	04Sep2018	1.16m
TURDHO	11:19z	04Sep2018	1.06m
NE BEERNAASI	11:22z	04Sep2018	1.29m
KAAMBOONI	11:33z	04Sep2018	1.06m

SRI LANKA

COLOMBO	10:40z	04Sep2018	0.79m
BERUWALA	10:51z	04Sep2018	0.86m
AMBALANGODA	10:52z	04Sep2018	1.13m
MORATUWA	10:52z	04Sep2018	0.99m
GALLE	10:57z	04Sep2018	1.04m
MATARA	11:36z	04Sep2018	0.81m
HAMBANTOTA	15:13z	04Sep2018	0.61m
NEGOMBO	15:42z	04Sep2018	0.70m
MANNAR ISLAND	15:56z	04Sep2018	0.68m
TANGALLE	15:58z	04Sep2018	0.59m
MUNDAL LAKE	16:08z	04Sep2018	0.59m
POTTUVIL	16:16z	04Sep2018	0.61m
KIRINDA	17:05z	04Sep2018	0.55m
MUSALI	19:25z	04Sep2018	0.62m

TANZANIA

VUMBI	12:08z	04Sep2018	1.13m
ZANZIBAR	12:15z	04Sep2018	0.68m
KUTANI	12:20z	04Sep2018	0.84m
SONGO SONGO ISLAND	12:22z	04Sep2018	0.88m
VUMBA	12:23z	04Sep2018	0.64m
RUVU	12:25z	04Sep2018	0.84m
MSASANI	12:28z	04Sep2018	0.79m
MADANGWA	12:29z	04Sep2018	1.31m
BOMALANDNI	12:40z	04Sep2018	1.03m
BAGAMOYO	12:41z	04Sep2018	0.84m
WEST TO KONDE	12:44z	04Sep2018	1.00m

GAZIJA	17:48z 04Sep2018	0.71m
JIMBO	18:02z 04Sep2018	0.76m

UNITED ARAB EMIRATES

KALBA	06:47z 04Sep2018	9.47m
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UNITED KINGDOM

MORESBY ISLAND	11:00z 04Sep2018	1.88m
NW EGMONT ISLAND	11:14z 04Sep2018	1.60m
DIEGO GARCIA	11:34z 04Sep2018	1.66m

YEMEN

DAMQAWT	08:17z 04Sep2018	1.97m
SOCOTRA ISLAND SOUTH	08:17z 04Sep2018	2.30m
AL GHAYDAH AIRPORT	08:31z 04Sep2018	2.10m
SOCOTRA ISLAND NORTH	08:39z 04Sep2018	2.04m
SOCOTRA ISLAND WEST	08:43z 04Sep2018	1.38m
HUSWAYN	08:47z 04Sep2018	2.48m
ALQUMRAH	08:50z 04Sep2018	2.28m
MASILAH WADI	08:59z 04Sep2018	1.86m
HARRAH	09:02z 04Sep2018	2.15m
EAST TO HAMI	09:05z 04Sep2018	1.41m
AL MUKALLA	09:18z 04Sep2018	1.96m
HAMI	09:22z 04Sep2018	1.97m
BROM MAYFA	09:25z 04Sep2018	1.26m
RUDUM	09:46z 04Sep2018	1.03m
AHWAR	09:51z 04Sep2018	0.87m
KHANFAR	10:28z 04Sep2018	1.30m
ADEN	10:32z 04Sep2018	1.06m
MAALLAH	10:38z 04Sep2018	1.07m
QAWAH	11:03z 04Sep2018	0.85m
AL MUALLA	11:34z 04Sep2018	0.96m

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 INDONESIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:

IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>

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

6. CONTACT INFORMATION

IOTWMS-TSP INDONESIA:

THE AGENCY FOR METEOROLOGY CLIMATOLOGY AND GEOPHYSICS (BMKG)

InaTEWS - Indonesian Tsunami Early Warning System

Address: Jl. Angkasa I no.2 Kemayoran, Jakarta, Indonesia, 10720

Tel.: +62 (21) 4246321/6546316

Fax: +62 (21) 6546316/4246703

P.O. Box 3540 Jakarta

Website: <http://rtsp.bmkg.go.id/publicbull.php>

<http://www.bmkg.go.id>

<http://inatews.bmkg.go.id>

E-Mail: inartsp@bmkg.go.id

monitrtwp@bmkg.go.id

END OF BULLETIN

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST

BULLETIN 5

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20180904-0800-005

TSUNAMI BULLETIN NUMBER 5 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0800 UTC, Tuesday, 04 September 2018

... 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. EARTHQUAKE INFORMATION (updated)

IOTWMS-TSP INDONESIA has detected an earthquake with the following details:

Magnitude : 9.0 Mw
Depth : 10km
Date : 04 Sep 2018
Origin Time: 06:00:00 UTC
Latitude : 24.80N
Longitude : 58.20E
Location : Gulf of Oman

2. EVALUATION

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

LOCATION	COUNTRIES	LAT	LON	AMPL(m)	TIME(UTC)	DATE
Gwadar	PAKISTAN	25.11N	62.33E	7.10	6:10	Sep 04, 2018
Chabahar	IRAN	25.29N	60.60E	5.72	6:19	Sep 04, 2018
Muscat	OMAN	23.63N	58.56E	5.48	6:23	Sep 04, 2018
Majis	OMAN	24.51N	56.60E	6.50	6:40	Sep 04, 2018
Khawr Wudam	OMAN	23.82N	57.52E	8.00	6:45	Sep 04, 2018
Masirah	OMAN	20.68N	58.86E	1.78	7:15	Sep 04, 2018

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone (or a different threshold nominated by an NTWC), and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than the threshold amplitude at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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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page 174

GASCOYNE COAST	17:37z	04Sep2018	0.57m
HEARD ISLAND AND MCDONALD ISLANDS	19:56z	04Sep2018	1.64m
AURORA BANK	20:12z	04Sep2018	0.88m

COMOROS

CHEZANI	12:09z	04Sep2018	1.10m
BAMBAO	12:09z	04Sep2018	0.96m
DZAOUDZI	12:20z	04Sep2018	1.20m
FOMBONI	12:41z	04Sep2018	1.17m

DJIBOUTI

MUHAMMAD ALI BIN FATHA SUMANA	10:57z	04Sep2018	0.91m
NW ARTA	11:08z	04Sep2018	1.30m

FRANCE

ILE SAINT-PAUL-NORTH	16:21z	04Sep2018	0.75m
ILE SAINT-PAUL-SOUTH	16:40z	04Sep2018	0.59m
ILE DE LA POSSESSION	17:19z	04Sep2018	0.71m
CROZET PLATEAU	18:41z	04Sep2018	0.98m
ILE KERGUELEN	18:53z	04Sep2018	1.39m

INDIA

MANDVI	07:57z	04Sep2018	2.59m
PORBANDAR	08:01z	04Sep2018	2.27m
DWARKA	08:08z	04Sep2018	2.78m
JAMNAGAR	08:10z	04Sep2018	2.10m
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ALIBAG PORT	09:54z	04Sep2018	1.76m
ALLEPPEY ALAPPUZHA	09:54z	04Sep2018	1.66m
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KANNUR	09:58z	04Sep2018	2.24m
MAHUVA	09:59z	04Sep2018	2.50m
QUILON	10:02z	04Sep2018	1.65m
VADANAPPALLY	10:03z	04Sep2018	1.89m
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HAZIRA	10:18z	04Sep2018	2.24m
BORSI	10:22z	04Sep2018	1.59m
TARAPUR	10:36z	04Sep2018	2.16m
DAMAN	10:43z	04Sep2018	2.37m

KANYAKUMARI	10:59z	04Sep2018	1.34m
KOODANKULAM	11:03z	04Sep2018	1.48m
KOTTTAIPPATTANAM	11:20z	04Sep2018	0.84m
TUTICORIN	20:12z	04Sep2018	0.75m
RAMESWARAM	20:23z	04Sep2018	0.56m
KOMATRA AND KATCHAL ISLAND	20:54z	04Sep2018	0.55m

INDONESIA

SUMUT NIAS BAGIAN BARAT	13:35z	04Sep2018	0.76m
SUMUT NIAS-SELATAN PULAU NIAS	14:04z	04Sep2018	0.68m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	15:12z	04Sep2018	0.64m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	15:19z	04Sep2018	0.54m
NAD ACEH-BESAR PULAU PENAS	15:33z	04Sep2018	0.90m
SUMUT NIAS-SELATAN PULAU TANABALA	15:40z	04Sep2018	0.50m
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NAD ACEH-BARAT	17:27z	04Sep2018	0.77m
NAD NAGAN-RAYA	18:28z	04Sep2018	0.56m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	18:54z	04Sep2018	0.54m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	18:59z	04Sep2018	0.71m
SUMUT NIAS BAGIAN TIMUR	19:39z	04Sep2018	0.51m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	20:10z	04Sep2018	0.63m
BENGKULU SELUMA	20:13z	04Sep2018	0.71m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	20:22z	04Sep2018	0.55m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	20:32z	04Sep2018	0.60m
JABAR TASIKMALAYA	20:38z	04Sep2018	0.54m
BENGKULU KAUR	20:48z	04Sep2018	0.52m
SUMBAR KOTA-PADANG BAGIAN SELATAN	20:52z	04Sep2018	0.64m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	20:54z	04Sep2018	0.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	21:00z	04Sep2018	0.55m

IRAN

PUSHT	06:12z	04Sep2018	14.84m
BIR	06:13z	04Sep2018	10.06m
MISKI	06:57z	04Sep2018	6.76m

KENYA

KIPINI	12:04z	04Sep2018	1.05m
TAKAUNGU	12:08z	04Sep2018	0.96m
KISIMACHANDE	12:10z	04Sep2018	1.07m
MVULENI	12:31z	04Sep2018	0.91m
MALINDI	14:20z	04Sep2018	0.87m
KIWAYU	14:52z	04Sep2018	0.85m

MADAGASCAR

GLORIOSO ISLANDS	11:54z	04Sep2018	0.89m
BALY	12:42z	04Sep2018	0.58m
VOHEMAR	12:55z	04Sep2018	0.88m
ANOROTSANGANA	13:35z	04Sep2018	0.93m
TAMPOLO	14:05z	04Sep2018	0.96m
TOAMASINA AIRPORT	14:19z	04Sep2018	0.55m
MANANTENINA	15:18z	04Sep2018	0.55m
FARAFAGANA	15:48z	04Sep2018	0.78m
AMBAHY	18:24z	04Sep2018	0.76m

MALDIVES

KULHUDUFFUSHI	09:19z	04Sep2018	1.87m
GOIDHOO	09:34z	04Sep2018	2.42m
FERIDHOO	09:47z	04Sep2018	2.70m
NILANDHOO	09:48z	04Sep2018	1.99m
MALE	10:03z	04Sep2018	1.24m
DHIYAMIGILI	10:03z	04Sep2018	1.60m
THINADHOO	10:07z	04Sep2018	2.02m
KOLHUFUSHI	10:12z	04Sep2018	1.05m
HITHADHOO	10:20z	04Sep2018	1.72m

MAURITIUS

AGALEGA ISLAND	11:42z	04Sep2018	1.09m
GRANDE REVIERE SUD EST-WEST	13:12z	04Sep2018	0.58m
GRANDE REVIERE SUD EST-EAST	13:29z	04Sep2018	1.42m
CARGADOS CARAJOS	13:36z	04Sep2018	0.94m
LA FERME	13:58z	04Sep2018	1.52m

MOZAMBIQUE

MAGANJA	12:31z	04Sep2018	0.97m
MERONVI	12:35z	04Sep2018	0.85m
TAVARI	12:43z	04Sep2018	0.60m
MECUFI	12:54z	04Sep2018	0.91m
NANGATA	12:56z	04Sep2018	0.68m
MINHAUINE	13:02z	04Sep2018	0.89m
QUITERAJO	13:16z	04Sep2018	0.70m
PEMBA	13:40z	04Sep2018	0.56m
MURREBUE	14:18z	04Sep2018	0.68m
LURIO	18:27z	04Sep2018	0.51m
LUMBO	18:43z	04Sep2018	0.53m

OMAN

MUSCAT	06:09z	04Sep2018	15.62m
BARKA	06:09z	04Sep2018	12.70m
AL KHABURAH	06:10z	04Sep2018	9.20m
QURAYYAT	06:12z	04Sep2018	17.70m
SUR	06:20z	04Sep2018	15.04m
SOHAR	06:21z	04Sep2018	9.71m
AL ASHKHARAH	06:28z	04Sep2018	7.69m
MASIRAH	06:49z	04Sep2018	3.80m
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HASIK	07:47z	04Sep2018	1.80m
AL JAZER	07:48z	04Sep2018	3.90m
MIRBAT	07:51z	04Sep2018	1.32m
TAQAH	08:00z	04Sep2018	1.57m
SALALAH	08:12z	04Sep2018	1.88m

PAKISTAN

ORMARA	06:06z	04Sep2018	9.50m
WINDER	06:54z	04Sep2018	4.43m
SINDH	07:24z	04Sep2018	3.88m
KARACHI	07:26z	04Sep2018	4.76m

SEYCHELLES

FREGATE ISLAND	10:31z	04Sep2018	2.40m
ILE DESROCHES	11:03z	04Sep2018	1.16m
TAKAMAKA	11:29z	04Sep2018	1.82m

ASTOVE ISLAND	11:34z	04Sep2018	0.83m
ALDABRA	11:38z	04Sep2018	0.91m
ALPHONSE ISLAND	11:53z	04Sep2018	0.57m
COETIVY ISLAND	12:22z	04Sep2018	0.95m
FARQUHAR GROUP	12:22z	04Sep2018	0.68m

SOMALIA

TOOXIN	09:09z	04Sep2018	1.86m
ABO	09:12z	04Sep2018	2.25m
QANDALA	09:18z	04Sep2018	1.24m
BANDER-BEYLA	09:23z	04Sep2018	1.72m
HADAAFTIMO	09:32z	04Sep2018	0.88m
EYL	09:40z	04Sep2018	1.84m
BOSASO	09:40z	04Sep2018	1.06m
JARIIBAN	09:53z	04Sep2018	2.58m
GALDOGOB	09:55z	04Sep2018	2.00m
MAYDH	09:58z	04Sep2018	0.95m
KABURA	10:07z	04Sep2018	0.65m
XARARDHEERE	10:16z	04Sep2018	1.97m
CEEL DHEER	10:25z	04Sep2018	1.65m
ITALA	10:28z	04Sep2018	1.08m
MAREEG	10:31z	04Sep2018	1.84m
UARSCIECH	10:38z	04Sep2018	1.26m
MUQDISHO	10:42z	04Sep2018	1.28m
BAKI	10:42z	04Sep2018	0.70m
BEYNAX BARRE	10:50z	04Sep2018	1.27m
SAYLAC	10:52z	04Sep2018	1.09m
BARAAWE	10:59z	04Sep2018	0.85m
LOYADO	11:00z	04Sep2018	1.20m
JILIB	11:14z	04Sep2018	1.16m
TURDHO	11:19z	04Sep2018	1.06m
NE BEERNAASI	11:22z	04Sep2018	1.29m
KAAMBOONI	11:33z	04Sep2018	1.06m

SRI LANKA

COLOMBO	10:40z	04Sep2018	0.79m
BERUWALA	10:51z	04Sep2018	0.86m
AMBALANGODA	10:52z	04Sep2018	1.13m
MORATUWA	10:52z	04Sep2018	0.99m
GALLE	10:57z	04Sep2018	1.04m
MATARA	11:36z	04Sep2018	0.81m
HAMBANTOTA	15:13z	04Sep2018	0.61m
NEGOMBO	15:42z	04Sep2018	0.70m
MANNAR ISLAND	15:56z	04Sep2018	0.68m
TANGALLE	15:58z	04Sep2018	0.59m
MUNDAL LAKE	16:08z	04Sep2018	0.59m
POTTUVIL	16:16z	04Sep2018	0.61m
KIRINDA	17:05z	04Sep2018	0.55m
MUSALI	19:25z	04Sep2018	0.62m

TANZANIA

VUMBI	12:08z	04Sep2018	1.13m
ZANZIBAR	12:15z	04Sep2018	0.68m
KUTANI	12:20z	04Sep2018	0.84m
SONGO SONGO ISLAND	12:22z	04Sep2018	0.88m
VUMBA	12:23z	04Sep2018	0.64m
RUVU	12:25z	04Sep2018	0.84m
MSASANI	12:28z	04Sep2018	0.79m
MADANGWA	12:29z	04Sep2018	1.31m
BOMALANDNI	12:40z	04Sep2018	1.03m
BAGAMOYO	12:41z	04Sep2018	0.84m
WEST TO KONDE	12:44z	04Sep2018	1.00m

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GAZIJA	17:48z 04Sep2018	0.71m
JIMBO	18:02z 04Sep2018	0.76m

UNITED ARAB EMIRATES

KALBA	06:47z 04Sep2018	9.47m
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UNITED KINGDOM

MORESBY ISLAND	11:00z 04Sep2018	1.88m
NW EGMONT ISLAND	11:14z 04Sep2018	1.60m
DIEGO GARCIA	11:34z 04Sep2018	1.66m

YEMEN

DAMQAWT	08:17z 04Sep2018	1.97m
SOCOTRA ISLAND SOUTH	08:17z 04Sep2018	2.30m
AL GHAYDAH AIRPORT	08:31z 04Sep2018	2.10m
SOCOTRA ISLAND NORTH	08:39z 04Sep2018	2.04m
SOCOTRA ISLAND WEST	08:43z 04Sep2018	1.38m
HUSWAYN	08:47z 04Sep2018	2.48m
ALQUMRAH	08:50z 04Sep2018	2.28m
MASILAH WADI	08:59z 04Sep2018	1.86m
HARRAH	09:02z 04Sep2018	2.15m
EAST TO HAMI	09:05z 04Sep2018	1.41m
AL MUKALLA	09:18z 04Sep2018	1.96m
HAMI	09:22z 04Sep2018	1.97m
BROM MAYFA	09:25z 04Sep2018	1.26m
RUDUM	09:46z 04Sep2018	1.03m
AHWAR	09:51z 04Sep2018	0.87m
KHANFAR	10:28z 04Sep2018	1.30m
ADEN	10:32z 04Sep2018	1.06m
MAALLAH	10:38z 04Sep2018	1.07m
QAWAH	11:03z 04Sep2018	0.85m
AL MUALLA	11:34z 04Sep2018	0.96m

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 INDONESIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:

IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>

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

6. CONTACT INFORMATION

IOTWMS-TSP INDONESIA:

THE AGENCY FOR METEOROLOGY CLIMATOLOGY AND GEOPHYSICS (BMKG)

InaTEWS - Indonesian Tsunami Early Warning System

Address: Jl. Angkasa I no.2 Kemayoran, Jakarta, Indonesia, 10720

Tel.: +62 (21) 4246321/6546316

Fax: +62 (21) 6546316/4246703

P.O. Box 3540 Jakarta

Website: <http://rtsp.bmkg.go.id/publicbull.php>

<http://www.bmkg.go.id>

<http://inatews.bmkg.go.id>

E-Mail: inartsp@bmkg.go.id

monitrtwp@bmkg.go.id

END OF BULLETIN

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
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BULLETIN 6

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20180904-0900-006

TSUNAMI BULLETIN NUMBER 6 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0900 UTC, Tuesday, 04 September 2018

... 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. EARTHQUAKE INFORMATION (updated)

IOTWMS-TSP INDONESIA has detected an earthquake with the following details:

Magnitude : 9.0 Mw
Depth : 10km
Date : 04 Sep 2018
Origin Time: 06:00:00 UTC
Latitude : 24.80N
Longitude : 58.20E
Location : Gulf of Oman

2. EVALUATION

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

LOCATION	COUNTRIES	LAT	LON	AMPL(m)	TIME(UTC)	DATE
Gwadar	PAKISTAN	25.11N	62.33E	7.10	6:10	Sep 04, 2018
Chabahar	IRAN	25.29N	60.60E	5.72	6:19	Sep 04, 2018
Muscat	OMAN	23.63N	58.56E	5.48	6:23	Sep 04, 2018
Majis	OMAN	24.51N	56.60E	6.50	6:40	Sep 04, 2018
Khawr Wudam	OMAN	23.82N	57.52E	8.00	6:45	Sep 04, 2018
Masirah	OMAN	20.68N	58.86E	1.78	7:15	Sep 04, 2018
Salalah	OMAN	16.93N	54.00E	0.75	8:38	Sep 04, 2018
Ormara	PAKISTAN	25.20N	64.67E	3.32	8:47	Sep 04, 2018

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone (or a different threshold nominated by an NTWC), and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than the threshold amplitude at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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

GASCOYNE COAST	17:37z	04Sep2018	0.57m
HEARD ISLAND AND MCDONALD ISLANDS	19:56z	04Sep2018	1.64m
AURORA BANK	20:12z	04Sep2018	0.88m

COMOROS

CHEZANI	12:09z	04Sep2018	1.10m
BAMBAO	12:09z	04Sep2018	0.96m
DZAOUDZI	12:20z	04Sep2018	1.20m
FOMBONI	12:41z	04Sep2018	1.17m

DJIBOUTI

MUHAMMAD ALI BIN FATHA SUMANA	10:57z	04Sep2018	0.91m
NW ARTA	11:08z	04Sep2018	1.30m

FRANCE

ILE SAINT-PAUL-NORTH	16:21z	04Sep2018	0.75m
ILE SAINT-PAUL-SOUTH	16:40z	04Sep2018	0.59m
ILE DE LA POSSESSION	17:19z	04Sep2018	0.71m
CROZET PLATEAU	18:41z	04Sep2018	0.98m
ILE KERGUELEN	18:53z	04Sep2018	1.39m

INDIA

MANDVI	07:57z	04Sep2018	2.59m
PORBANDAR	08:01z	04Sep2018	2.27m
DWARKA	08:08z	04Sep2018	2.78m
JAMNAGAR	08:10z	04Sep2018	2.10m
MANGROL	08:17z	04Sep2018	2.38m
AGATTI	08:44z	04Sep2018	3.01m
KAVARATTI	08:56z	04Sep2018	1.38m
AMINI	09:00z	04Sep2018	3.25m
MALVAN BAY	09:00z	04Sep2018	1.81m
MINICOY	09:10z	04Sep2018	1.87m
PANAJI	09:11z	04Sep2018	1.97m
ANDROTH	09:13z	04Sep2018	2.24m
JAIGARH	09:15z	04Sep2018	1.97m
VASCO	09:16z	04Sep2018	2.33m
HAZIRA, DIU	09:38z	04Sep2018	2.35m
KARWAR	09:39z	04Sep2018	2.31m
MANGALORE	09:47z	04Sep2018	1.92m
KASARAGOD	09:51z	04Sep2018	2.14m
ALIBAG PORT	09:54z	04Sep2018	1.76m
ALLEPPEY ALAPPUZHA	09:54z	04Sep2018	1.66m
MUMBAI	09:55z	04Sep2018	2.71m
PIPAVAV	09:56z	04Sep2018	2.57m
MAHE	09:56z	04Sep2018	1.60m
UDUPI	09:57z	04Sep2018	2.29m
KANNUR	09:58z	04Sep2018	2.24m
MAHUVA	09:59z	04Sep2018	2.50m
QUILON	10:02z	04Sep2018	1.65m
VADANAPPALLY	10:03z	04Sep2018	1.89m
VAKKAD	10:03z	04Sep2018	2.21m
KHAMBAT	10:04z	04Sep2018	2.45m
BEYPORE	10:06z	04Sep2018	1.92m
COCHIN	10:08z	04Sep2018	1.83m
BHARUCH	10:10z	04Sep2018	2.00m
TRIVANDRUM	10:17z	04Sep2018	1.40m
HAZIRA	10:18z	04Sep2018	2.24m

BORSI	10:22z	04Sep2018	1.59m
TARAPUR	10:36z	04Sep2018	2.16m
DAMAN	10:43z	04Sep2018	2.37m
KANYAKUMARI	10:59z	04Sep2018	1.34m
KOODANKULAM	11:03z	04Sep2018	1.48m
KOTTTAIPPATTANAM	11:20z	04Sep2018	0.84m
TUTICORIN	20:12z	04Sep2018	0.75m
RAMESWARAM	20:23z	04Sep2018	0.56m
KOMATRA AND KATCHAL ISLAND	20:54z	04Sep2018	0.55m

INDONESIA

SUMUT NIAS BAGIAN BARAT	13:35z	04Sep2018	0.76m
SUMUT NIAS-SELATAN PULAU NIAS	14:04z	04Sep2018	0.68m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	15:12z	04Sep2018	0.64m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	15:19z	04Sep2018	0.54m
NAD ACEH-BESAR PULAU PENAS	15:33z	04Sep2018	0.90m
SUMUT NIAS-SELATAN PULAU TANABALA	15:40z	04Sep2018	0.50m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	16:32z	04Sep2018	0.55m
NAD ACEH-JAYA	17:07z	04Sep2018	0.68m
NAD ACEH-BESAR BAGIAN BARAT	17:08z	04Sep2018	1.52m
LAMPUNG TANGGAMUS BAGIAN BARAT	17:12z	04Sep2018	0.64m
NAD ACEH-BARAT	17:27z	04Sep2018	0.77m
NAD NAGAN-RAYA	18:28z	04Sep2018	0.56m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	18:54z	04Sep2018	0.54m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	18:59z	04Sep2018	0.71m
SUMUT NIAS BAGIAN TIMUR	19:39z	04Sep2018	0.51m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	20:10z	04Sep2018	0.63m
BENGKULU SELUMA	20:13z	04Sep2018	0.71m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	20:22z	04Sep2018	0.55m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	20:32z	04Sep2018	0.60m
JABAR TASIKMALAYA	20:38z	04Sep2018	0.54m
BENGKULU KAUR	20:48z	04Sep2018	0.52m
SUMBAR KOTA-PADANG BAGIAN SELATAN	20:52z	04Sep2018	0.64m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	20:54z	04Sep2018	0.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	21:00z	04Sep2018	0.55m

IRAN

PUSHT	06:12z	04Sep2018	14.84m
BIR	06:13z	04Sep2018	10.06m
MISKI	06:57z	04Sep2018	6.76m

KENYA

KIPINI	12:04z	04Sep2018	1.05m
TAKAUNGU	12:08z	04Sep2018	0.96m
KISIMACHANDE	12:10z	04Sep2018	1.07m
MVULENI	12:31z	04Sep2018	0.91m
MALINDI	14:20z	04Sep2018	0.87m
KIWAYU	14:52z	04Sep2018	0.85m

MADAGASCAR

GLORIOSO ISLANDS	11:54z	04Sep2018	0.89m
BALY	12:42z	04Sep2018	0.58m
VOHEMAR	12:55z	04Sep2018	0.88m
ANOROTSANGANA	13:35z	04Sep2018	0.93m
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AMBAHY	18:24z	04Sep2018	0.76m

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MAURITIUS

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MOZAMBIQUE

MAGANJA	12:31z	04Sep2018	0.97m
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RAS AR RUWAYS	06:57z	04Sep2018	4.87m
AD DUQM	07:26z	04Sep2018	3.37m
HASIK	07:47z	04Sep2018	1.80m
AL JAZER	07:48z	04Sep2018	3.90m
MIRBAT	07:51z	04Sep2018	1.32m
TAQAH	08:00z	04Sep2018	1.57m
SALALAH	08:12z	04Sep2018	1.88m

PAKISTAN

ORMARA	06:06z	04Sep2018	9.50m
WINDER	06:54z	04Sep2018	4.43m
SINDH	07:24z	04Sep2018	3.88m
KARACHI	07:26z	04Sep2018	4.76m

SEYCHELLES

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FREGATE ISLAND	10:31z	04Sep2018	2.40m
ILE DESROCHES	11:03z	04Sep2018	1.16m
TAKAMAKA	11:29z	04Sep2018	1.82m
ASTOVE ISLAND	11:34z	04Sep2018	0.83m
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SOMALIA

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LOYADO	11:00z	04Sep2018	1.20m
JILIB	11:14z	04Sep2018	1.16m
TURDHO	11:19z	04Sep2018	1.06m
NE BEERNAASI	11:22z	04Sep2018	1.29m
KAAMBOONI	11:33z	04Sep2018	1.06m

SRI LANKA

COLOMBO	10:40z	04Sep2018	0.79m
BERUWALA	10:51z	04Sep2018	0.86m
AMBALANGODA	10:52z	04Sep2018	1.13m
MORATUWA	10:52z	04Sep2018	0.99m
GALLE	10:57z	04Sep2018	1.04m
MATARA	11:36z	04Sep2018	0.81m
HAMBANTOTA	15:13z	04Sep2018	0.61m
NEGOMBO	15:42z	04Sep2018	0.70m
MANNAR ISLAND	15:56z	04Sep2018	0.68m
TANGALLE	15:58z	04Sep2018	0.59m
MUNDAL LAKE	16:08z	04Sep2018	0.59m
POTTUVIL	16:16z	04Sep2018	0.61m
KIRINDA	17:05z	04Sep2018	0.55m
MUSALI	19:25z	04Sep2018	0.62m

TANZANIA

VUMBI	12:08z	04Sep2018	1.13m
ZANZIBAR	12:15z	04Sep2018	0.68m
KUTANI	12:20z	04Sep2018	0.84m
SONGO SONGO ISLAND	12:22z	04Sep2018	0.88m
VUMBA	12:23z	04Sep2018	0.64m
RUUVU	12:25z	04Sep2018	0.84m
MSASANI	12:28z	04Sep2018	0.79m
MADANGWA	12:29z	04Sep2018	1.31m

BOMALANDNI	12:40z 04Sep2018	1.03m
BAGAMOYO	12:41z 04Sep2018	0.84m
WEST TO KONDE	12:44z 04Sep2018	1.00m
GAZIJA	17:48z 04Sep2018	0.71m
JIMBO	18:02z 04Sep2018	0.76m

UNITED ARAB EMIRATES

KALBA	06:47z 04Sep2018	9.47m
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UNITED KINGDOM

MORESBY ISLAND	11:00z 04Sep2018	1.88m
NW EGMONT ISLAND	11:14z 04Sep2018	1.60m
DIEGO GARCIA	11:34z 04Sep2018	1.66m

YEMEN

DAMQAWT	08:17z 04Sep2018	1.97m
SOCOTRA ISLAND SOUTH	08:17z 04Sep2018	2.30m
AL GHAYDAH AIRPORT	08:31z 04Sep2018	2.10m
SOCOTRA ISLAND NORTH	08:39z 04Sep2018	2.04m
SOCOTRA ISLAND WEST	08:43z 04Sep2018	1.38m
HUSWAYN	08:47z 04Sep2018	2.48m
ALQUMRAH	08:50z 04Sep2018	2.28m
MASILAH WADI	08:59z 04Sep2018	1.86m
HARRAH	09:02z 04Sep2018	2.15m
EAST TO HAMI	09:05z 04Sep2018	1.41m
AL MUKALLA	09:18z 04Sep2018	1.96m
HAMI	09:22z 04Sep2018	1.97m
BROM MAYFA	09:25z 04Sep2018	1.26m
RUDUM	09:46z 04Sep2018	1.03m
AHWAR	09:51z 04Sep2018	0.87m
KHANFAR	10:28z 04Sep2018	1.30m
ADEN	10:32z 04Sep2018	1.06m
MAALLAH	10:38z 04Sep2018	1.07m
QAWAH	11:03z 04Sep2018	0.85m
AL MUALLA	11:34z 04Sep2018	0.96m

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 INDONESIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:

IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>

IOTWMS-TSP INDIA: <http://www.incois.gov.in/Incois/tsunami/egevents.jsp>

6. CONTACT INFORMATION

IOTWMS-TSP INDONESIA:

THE AGENCY FOR METEOROLOGY CLIMATOLOGY AND GEOPHYSICS (BMKG)

InaTEWS - Indonesian Tsunami Early Warning System

Address: Jl. Angkasa I no.2 Kemayoran, Jakarta, Indonesia, 10720

Tel.: +62 (21) 4246321/6546316

Fax: +62 (21) 6546316/4246703

P.O. Box 3540 Jakarta

Website: <http://rtsp.bmkg.go.id/publicbull.php>

<http://www.bmkg.go.id>

<http://inatews.bmkg.go.id>

E-Mail: inartsp@bmkg.go.id
 monitrtp@bmkg.go.id

END OF BULLETIN

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
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BULLETIN 7

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20180904-1000-007

TSUNAMI BULLETIN NUMBER 7 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 1000 UTC, Tuesday, 04 September 2018

... 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. EARTHQUAKE INFORMATION (updated)

IOTWMS-TSP INDONESIA has detected an earthquake with the following details:

Magnitude : 9.0 Mw
Depth : 10km
Date : 04 Sep 2018
Origin Time: 06:00:00 UTC
Latitude : 24.80N
Longitude : 58.20E
Location : Gulf of Oman

2. EVALUATION

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

LOCATION	COUNTRIES	LAT	LON	AMPL (m)	TIME (UTC)	DATE
Gwadar	PAKISTAN	25.11N	62.33E	7.10	6:10	Sep 04, 2018
Chabahar	IRAN	25.29N	60.60E	5.72	6:19	Sep 04, 2018
Muscat	OMAN	23.63N	58.56E	5.48	6:23	Sep 04, 2018
Majis	OMAN	24.51N	56.60E	6.50	6:40	Sep 04, 2018
Khawr Wudam	OMAN	23.82N	57.52E	8.00	6:45	Sep 04, 2018
Masirah	OMAN	20.68N	58.86E	1.78	7:15	Sep 04, 2018
Salalah	OMAN	16.93N	54.00E	0.75	8:38	Sep 04, 2018
Ormara	PAKISTAN	25.20N	64.67E	3.32	8:47	Sep 04, 2018
Veeraval	INDIA	20.90N	70.36E	2.00	9:10	Sep 04, 2018
Minicoy	INDIA	8.28N	73.05E	0.38	9:33	Sep 04, 2018

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone (or a different threshold nominated by an NTWC), and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than the threshold amplitude at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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

GASCOYNE COAST	17:37z	04Sep2018	0.57m
HEARD ISLAND AND MCDONALD ISLANDS	19:56z	04Sep2018	1.64m
AURORA BANK	20:12z	04Sep2018	0.88m

COMOROS

CHEZANI	12:09z	04Sep2018	1.10m
BAMBAO	12:09z	04Sep2018	0.96m
DZAOUDZI	12:20z	04Sep2018	1.20m
FOMBONI	12:41z	04Sep2018	1.17m

DJIBOUTI

MUHAMMAD ALI BIN FATHA SUMANA	10:57z	04Sep2018	0.91m
NW ARTA	11:08z	04Sep2018	1.30m

FRANCE

ILE SAINT-PAUL-NORTH	16:21z	04Sep2018	0.75m
ILE SAINT-PAUL-SOUTH	16:40z	04Sep2018	0.59m
ILE DE LA POSSESSION	17:19z	04Sep2018	0.71m
CROZET PLATEAU	18:41z	04Sep2018	0.98m
ILE KERGUELEN	18:53z	04Sep2018	1.39m

INDIA

MANDVI	07:57z	04Sep2018	2.59m
PORBANDAR	08:01z	04Sep2018	2.27m
DWARKA	08:08z	04Sep2018	2.78m
JAMNAGAR	08:10z	04Sep2018	2.10m
MANGROL	08:17z	04Sep2018	2.38m
AGATTI	08:44z	04Sep2018	3.01m
KAVARATTI	08:56z	04Sep2018	1.38m
AMINI	09:00z	04Sep2018	3.25m
MALVAN BAY	09:00z	04Sep2018	1.81m
MINICOY	09:10z	04Sep2018	1.87m
PANAJI	09:11z	04Sep2018	1.97m
ANDROTH	09:13z	04Sep2018	2.24m
JAIGARH	09:15z	04Sep2018	1.97m
VASCO	09:16z	04Sep2018	2.33m
HAZIRA, DIU	09:38z	04Sep2018	2.35m
KARWAR	09:39z	04Sep2018	2.31m
MANGALORE	09:47z	04Sep2018	1.92m
KASARAGOD	09:51z	04Sep2018	2.14m
ALIBAG PORT	09:54z	04Sep2018	1.76m
ALLEPPEY ALAPPUZHA	09:54z	04Sep2018	1.66m
MUMBAI	09:55z	04Sep2018	2.71m
PIPAVAV	09:56z	04Sep2018	2.57m
MAHE	09:56z	04Sep2018	1.60m
UDUPI	09:57z	04Sep2018	2.29m
KANNUR	09:58z	04Sep2018	2.24m
MAHUVA	09:59z	04Sep2018	2.50m
QUILON	10:02z	04Sep2018	1.65m
VADANAPPALLY	10:03z	04Sep2018	1.89m
VAKKAD	10:03z	04Sep2018	2.21m
KHAMBAT	10:04z	04Sep2018	2.45m
BEYPORE	10:06z	04Sep2018	1.92m
COCHIN	10:08z	04Sep2018	1.83m
BHARUCH	10:10z	04Sep2018	2.00m
TRIVANDRUM	10:17z	04Sep2018	1.40m

HAZIRA	10:18z	04Sep2018	2.24m
BORSI	10:22z	04Sep2018	1.59m
TARAPUR	10:36z	04Sep2018	2.16m
DAMAN	10:43z	04Sep2018	2.37m
KANYAKUMARI	10:59z	04Sep2018	1.34m
KOODANKULAM	11:03z	04Sep2018	1.48m
KOTTAIPPATTANAM	11:20z	04Sep2018	0.84m
TUTICORIN	20:12z	04Sep2018	0.75m
RAMESWARAM	20:23z	04Sep2018	0.56m
KOMATRA AND KATCHAL ISLAND	20:54z	04Sep2018	0.55m

INDONESIA

SUMUT NIAS BAGIAN BARAT	13:35z	04Sep2018	0.76m
SUMUT NIAS-SELATAN PULAU NIAS	14:04z	04Sep2018	0.68m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	15:12z	04Sep2018	0.64m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	15:19z	04Sep2018	0.54m
NAD ACEH-BESAR PULAU PENAS	15:33z	04Sep2018	0.90m
SUMUT NIAS-SELATAN PULAU TANABALA	15:40z	04Sep2018	0.50m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	16:32z	04Sep2018	0.55m
NAD ACEH-JAYA	17:07z	04Sep2018	0.68m
NAD ACEH-BESAR BAGIAN BARAT	17:08z	04Sep2018	1.52m
LAMPUNG TANGGAMUS BAGIAN BARAT	17:12z	04Sep2018	0.64m
NAD ACEH-BARAT	17:27z	04Sep2018	0.77m
NAD NAGAN-RAYA	18:28z	04Sep2018	0.56m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	18:54z	04Sep2018	0.54m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	18:59z	04Sep2018	0.71m
SUMUT NIAS BAGIAN TIMUR	19:39z	04Sep2018	0.51m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	20:10z	04Sep2018	0.63m
BENGKULU SELUMA	20:13z	04Sep2018	0.71m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	20:22z	04Sep2018	0.55m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	20:32z	04Sep2018	0.60m
JABAR TASIKMALAYA	20:38z	04Sep2018	0.54m
BENGKULU KAUR	20:48z	04Sep2018	0.52m
SUMBAR KOTA-PADANG BAGIAN SELATAN	20:52z	04Sep2018	0.64m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	20:54z	04Sep2018	0.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	21:00z	04Sep2018	0.55m

IRAN

PUSHT	06:12z	04Sep2018	14.84m
BIR	06:13z	04Sep2018	10.06m
MISKI	06:57z	04Sep2018	6.76m

KENYA

KIPINI	12:04z	04Sep2018	1.05m
TAKAUNGU	12:08z	04Sep2018	0.96m
KISIMACHANDE	12:10z	04Sep2018	1.07m
MVULENI	12:31z	04Sep2018	0.91m
MALINDI	14:20z	04Sep2018	0.87m
KIWAYU	14:52z	04Sep2018	0.85m

MADAGASCAR

GLORIOSO ISLANDS	11:54z	04Sep2018	0.89m
BALY	12:42z	04Sep2018	0.58m
VOHEMAR	12:55z	04Sep2018	0.88m
ANOROTSANGANA	13:35z	04Sep2018	0.93m
TAMPOLO	14:05z	04Sep2018	0.96m
TOAMASINA AIRPORT	14:19z	04Sep2018	0.55m
MANANTENINA	15:18z	04Sep2018	0.55m
FARAFAGANA	15:48z	04Sep2018	0.78m
AMBAHY	18:24z	04Sep2018	0.76m

MALDIVES

KULHUDUFFUSHI	09:19z	04Sep2018	1.87m
GOIDHOO	09:34z	04Sep2018	2.42m
FERIDHOO	09:47z	04Sep2018	2.70m
NILANDHOO	09:48z	04Sep2018	1.99m
MALE	10:03z	04Sep2018	1.24m
DHIYAMIGILI	10:03z	04Sep2018	1.60m
THINADHOO	10:07z	04Sep2018	2.02m
KOLHUFUSHI	10:12z	04Sep2018	1.05m
HITHADHOO	10:20z	04Sep2018	1.72m

MAURITIUS

AGALEGA ISLAND	11:42z	04Sep2018	1.09m
GRANDE REVIERE SUD EST-WEST	13:12z	04Sep2018	0.58m
GRANDE REVIERE SUD EST-EAST	13:29z	04Sep2018	1.42m
CARGADOS CARAJOS	13:36z	04Sep2018	0.94m
LA FERME	13:58z	04Sep2018	1.52m

MOZAMBIQUE

MAGANJA	12:31z	04Sep2018	0.97m
MERONVI	12:35z	04Sep2018	0.85m
TAVARI	12:43z	04Sep2018	0.60m
MECUFI	12:54z	04Sep2018	0.91m
NANGATA	12:56z	04Sep2018	0.68m
MINHAUINE	13:02z	04Sep2018	0.89m
QUITERAJO	13:16z	04Sep2018	0.70m
PEMBA	13:40z	04Sep2018	0.56m
MURREBUE	14:18z	04Sep2018	0.68m
LURIO	18:27z	04Sep2018	0.51m
LUMBO	18:43z	04Sep2018	0.53m

OMAN

MUSCAT	06:09z	04Sep2018	15.62m
BARKA	06:09z	04Sep2018	12.70m
AL KHABURAH	06:10z	04Sep2018	9.20m
QURAYYAT	06:12z	04Sep2018	17.70m
SUR	06:20z	04Sep2018	15.04m
SOHAR	06:21z	04Sep2018	9.71m
AL ASHKHARAH	06:28z	04Sep2018	7.69m
MASIRAH	06:49z	04Sep2018	3.80m
EAST MUSANDAM	06:50z	04Sep2018	7.43m
RAS AR RUWAYS	06:57z	04Sep2018	4.87m
AD DUQM	07:26z	04Sep2018	3.37m
HASIK	07:47z	04Sep2018	1.80m
AL JAZER	07:48z	04Sep2018	3.90m
MIRBAT	07:51z	04Sep2018	1.32m
TAQAH	08:00z	04Sep2018	1.57m
SALALAH	08:12z	04Sep2018	1.88m

PAKISTAN

ORMARA	06:06z	04Sep2018	9.50m
WINDER	06:54z	04Sep2018	4.43m
SINDH	07:24z	04Sep2018	3.88m
KARACHI	07:26z	04Sep2018	4.76m

SEYCHELLES

FREGATE ISLAND	10:31z	04Sep2018	2.40m
ILE DESROCHES	11:03z	04Sep2018	1.16m
TAKAMAKA	11:29z	04Sep2018	1.82m
ASTOVE ISLAND	11:34z	04Sep2018	0.83m
ALDABRA	11:38z	04Sep2018	0.91m
ALPHONSE ISLAND	11:53z	04Sep2018	0.57m
COETIVY ISLAND	12:22z	04Sep2018	0.95m
FARQUHAR GROUP	12:22z	04Sep2018	0.68m

SOMALIA

TOOXIN	09:09z	04Sep2018	1.86m
ABO	09:12z	04Sep2018	2.25m
QANDALA	09:18z	04Sep2018	1.24m
BANDER-BEYLA	09:23z	04Sep2018	1.72m
HADAAFTIMO	09:32z	04Sep2018	0.88m
EYL	09:40z	04Sep2018	1.84m
BOSASO	09:40z	04Sep2018	1.06m
JARIIBAN	09:53z	04Sep2018	2.58m
GALDOGOB	09:55z	04Sep2018	2.00m
MAYDH	09:58z	04Sep2018	0.95m
KABURA	10:07z	04Sep2018	0.65m
XARARDHEERE	10:16z	04Sep2018	1.97m
CEEL DHEER	10:25z	04Sep2018	1.65m
ITALA	10:28z	04Sep2018	1.08m
MAREEG	10:31z	04Sep2018	1.84m
UARSCIECH	10:38z	04Sep2018	1.26m
MUQDISHO	10:42z	04Sep2018	1.28m
BAKI	10:42z	04Sep2018	0.70m
BEYNAX BARRE	10:50z	04Sep2018	1.27m
SAYLAC	10:52z	04Sep2018	1.09m
BARAAWE	10:59z	04Sep2018	0.85m
LOYADO	11:00z	04Sep2018	1.20m
JILIB	11:14z	04Sep2018	1.16m
TURDHO	11:19z	04Sep2018	1.06m
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SRI LANKA

COLOMBO	10:40z	04Sep2018	0.79m
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MORATUWA	10:52z	04Sep2018	0.99m
GALLE	10:57z	04Sep2018	1.04m
MATARA	11:36z	04Sep2018	0.81m
HAMBANTOTA	15:13z	04Sep2018	0.61m
NEGOMBO	15:42z	04Sep2018	0.70m
MANNAR ISLAND	15:56z	04Sep2018	0.68m
TANGALLE	15:58z	04Sep2018	0.59m
MUNDAL LAKE	16:08z	04Sep2018	0.59m
POTTUVIL	16:16z	04Sep2018	0.61m
KIRINDA	17:05z	04Sep2018	0.55m
MUSALI	19:25z	04Sep2018	0.62m

TANZANIA

VUMBI	12:08z	04Sep2018	1.13m
ZANZIBAR	12:15z	04Sep2018	0.68m
KUTANI	12:20z	04Sep2018	0.84m
SONGO SONGO ISLAND	12:22z	04Sep2018	0.88m
VUMBA	12:23z	04Sep2018	0.64m
RUUVU	12:25z	04Sep2018	0.84m
MSASANI	12:28z	04Sep2018	0.79m

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page 192

MADANGWA	12:29z 04Sep2018	1.31m
BOMALANDNI	12:40z 04Sep2018	1.03m
BAGAMOYO	12:41z 04Sep2018	0.84m
WEST TO KONDE	12:44z 04Sep2018	1.00m
GAZIJA	17:48z 04Sep2018	0.71m
JIMBO	18:02z 04Sep2018	0.76m

UNITED ARAB EMIRATES

KALBA	06:47z 04Sep2018	9.47m
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UNITED KINGDOM

MORESBY ISLAND	11:00z 04Sep2018	1.88m
NW EGMONT ISLAND	11:14z 04Sep2018	1.60m
DIEGO GARCIA	11:34z 04Sep2018	1.66m

YEMEN

DAMQAWT	08:17z 04Sep2018	1.97m
SOCOTRA ISLAND SOUTH	08:17z 04Sep2018	2.30m
AL GHAYDAH AIRPORT	08:31z 04Sep2018	2.10m
SOCOTRA ISLAND NORTH	08:39z 04Sep2018	2.04m
SOCOTRA ISLAND WEST	08:43z 04Sep2018	1.38m
HUSWAYN	08:47z 04Sep2018	2.48m
ALQUMRAH	08:50z 04Sep2018	2.28m
MASILAH WADI	08:59z 04Sep2018	1.86m
HARRAH	09:02z 04Sep2018	2.15m
EAST TO HAMI	09:05z 04Sep2018	1.41m
AL MUKALLA	09:18z 04Sep2018	1.96m
HAMI	09:22z 04Sep2018	1.97m
BROM MAYFA	09:25z 04Sep2018	1.26m
RUDUM	09:46z 04Sep2018	1.03m
AHWAR	09:51z 04Sep2018	0.87m
KHANFAR	10:28z 04Sep2018	1.30m
ADEN	10:32z 04Sep2018	1.06m
MAALLAH	10:38z 04Sep2018	1.07m
QAWAH	11:03z 04Sep2018	0.85m
AL MUALLA	11:34z 04Sep2018	0.96m

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5. UPDATES

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

6. CONTACT INFORMATION

IOTWMS-TSP INDONESIA:

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P.O. Box 3540 Jakarta

Website: <http://rtsp.bmkg.go.id/publicbull.php>

<http://www.bmkg.go.id>

http://inatews.bmkg.go.id
E-Mail: inartsp@bmkg.go.id
monitrtp@bmkg.go.id

END OF BULLETIN

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
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BULLETIN 8

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20180904-1100-008

TSUNAMI BULLETIN NUMBER 8 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 1100 UTC, Tuesday, 04 September 2018

... 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. EARTHQUAKE INFORMATION (updated)

IOTWMS-TSP INDONESIA has detected an earthquake with the following details:

Magnitude : 9.0 Mw
Depth : 10km
Date : 04 Sep 2018
Origin Time: 06:00:00 UTC
Latitude : 24.80N
Longitude : 58.20E
Location : Gulf of Oman

2. EVALUATION

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

LOCATION	COUNTRIES	LAT	LON	AMPL (m)	TIME (UTC)	DATE
Gwadar	PAKISTAN	25.11N	62.33E	7.10	6:10	Sep 04, 2018
Chabahar	IRAN	25.29N	60.60E	5.72	6:19	Sep 04, 2018
Muscat	OMAN	23.63N	58.56E	5.48	6:23	Sep 04, 2018
Majis	OMAN	24.51N	56.60E	6.50	6:40	Sep 04, 2018
Khawr Wudam	OMAN	23.82N	57.52E	8.00	6:45	Sep 04, 2018
Masirah	OMAN	20.68N	58.86E	1.78	7:15	Sep 04, 2018
Salalah	OMAN	16.93N	54.00E	0.75	8:38	Sep 04, 2018
Ormara	PAKISTAN	25.20N	64.67E	3.32	8:47	Sep 04, 2018
Veeraval	INDIA	20.90N	70.36E	2.00	9:10	Sep 04, 2018
Minicoy	INDIA	8.28N	73.05E	0.38	9:33	Sep 04, 2018
Hanimadhoo	MALDIVES	6.76N	73.16E	0.54	10:16	Sep 04, 2018
Gan	MALDIVES	0.68S	73.15E	0.68	10:34	Sep 04, 2018

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone (or a different threshold nominated by an NTWC), and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than the threshold amplitude at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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

GASCOYNE COAST	17:37z	04Sep2018	0.57m
HEARD ISLAND AND MCDONALD ISLANDS	19:56z	04Sep2018	1.64m
AURORA BANK	20:12z	04Sep2018	0.88m

COMOROS

CHEZANI	12:09z	04Sep2018	1.10m
BAMBAO	12:09z	04Sep2018	0.96m
DZAOUDZI	12:20z	04Sep2018	1.20m
FOMBONI	12:41z	04Sep2018	1.17m

DJIBOUTI

MUHAMMAD ALI BIN FATHA SUMANA	10:57z	04Sep2018	0.91m
NW ARTA	11:08z	04Sep2018	1.30m

FRANCE

ILE SAINT-PAUL-NORTH	16:21z	04Sep2018	0.75m
ILE SAINT-PAUL-SOUTH	16:40z	04Sep2018	0.59m
ILE DE LA POSSESSION	17:19z	04Sep2018	0.71m
CROZET PLATEAU	18:41z	04Sep2018	0.98m
ILE KERGUELEN	18:53z	04Sep2018	1.39m

INDIA

MANDVI	07:57z	04Sep2018	2.59m
PORBANDAR	08:01z	04Sep2018	2.27m
DWARKA	08:08z	04Sep2018	2.78m
JAMNAGAR	08:10z	04Sep2018	2.10m
MANGROL	08:17z	04Sep2018	2.38m
AGATTI	08:44z	04Sep2018	3.01m
KAVARATTI	08:56z	04Sep2018	1.38m
AMINI	09:00z	04Sep2018	3.25m
MALVAN BAY	09:00z	04Sep2018	1.81m
MINICOY	09:10z	04Sep2018	1.87m
PANAJI	09:11z	04Sep2018	1.97m
ANDROTH	09:13z	04Sep2018	2.24m
JAIGARH	09:15z	04Sep2018	1.97m
VASCO	09:16z	04Sep2018	2.33m
HAZIRA, DIU	09:38z	04Sep2018	2.35m
KARWAR	09:39z	04Sep2018	2.31m
MANGALORE	09:47z	04Sep2018	1.92m
KASARAGOD	09:51z	04Sep2018	2.14m
ALIBAG PORT	09:54z	04Sep2018	1.76m
ALLEPPEY ALAPPUZHA	09:54z	04Sep2018	1.66m
MUMBAI	09:55z	04Sep2018	2.71m
PIPAVAV	09:56z	04Sep2018	2.57m
MAHE	09:56z	04Sep2018	1.60m
UDUPI	09:57z	04Sep2018	2.29m
KANNUR	09:58z	04Sep2018	2.24m
MAHUVA	09:59z	04Sep2018	2.50m
QUILON	10:02z	04Sep2018	1.65m
VADANAPPALLY	10:03z	04Sep2018	1.89m
VAKKAD	10:03z	04Sep2018	2.21m
KHAMBAT	10:04z	04Sep2018	2.45m
BEYPORE	10:06z	04Sep2018	1.92m

COCHIN	10:08z	04Sep2018	1.83m
BHARUCH	10:10z	04Sep2018	2.00m
TRIVANDRUM	10:17z	04Sep2018	1.40m
HAZIRA	10:18z	04Sep2018	2.24m
BORSI	10:22z	04Sep2018	1.59m
TARAPUR	10:36z	04Sep2018	2.16m
DAMAN	10:43z	04Sep2018	2.37m
KANYAKUMARI	10:59z	04Sep2018	1.34m
KOODANKULAM	11:03z	04Sep2018	1.48m
KOTTAIPPATTANAM	11:20z	04Sep2018	0.84m
TUTICORIN	20:12z	04Sep2018	0.75m
RAMESWARAM	20:23z	04Sep2018	0.56m
KOMATRA AND KATCHAL ISLAND	20:54z	04Sep2018	0.55m

INDONESIA

SUMUT NIAS BAGIAN BARAT	13:35z	04Sep2018	0.76m
SUMUT NIAS-SELATAN PULAU NIAS	14:04z	04Sep2018	0.68m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	15:12z	04Sep2018	0.64m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	15:19z	04Sep2018	0.54m
NAD ACEH-BESAR PULAU PENAS	15:33z	04Sep2018	0.90m
SUMUT NIAS-SELATAN PULAU TANABALA	15:40z	04Sep2018	0.50m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	16:32z	04Sep2018	0.55m
NAD ACEH-JAYA	17:07z	04Sep2018	0.68m
NAD ACEH-BESAR BAGIAN BARAT	17:08z	04Sep2018	1.52m
LAMPUNG TANGGAMUS BAGIAN BARAT	17:12z	04Sep2018	0.64m
NAD ACEH-BARAT	17:27z	04Sep2018	0.77m
NAD NAGAN-RAYA	18:28z	04Sep2018	0.56m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	18:54z	04Sep2018	0.54m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	18:59z	04Sep2018	0.71m
SUMUT NIAS BAGIAN TIMUR	19:39z	04Sep2018	0.51m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	20:10z	04Sep2018	0.63m
BENGKULU SELUMA	20:13z	04Sep2018	0.71m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	20:22z	04Sep2018	0.55m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	20:32z	04Sep2018	0.60m
JABAR TASIKMALAYA	20:38z	04Sep2018	0.54m
BENGKULU KAUR	20:48z	04Sep2018	0.52m
SUMBAR KOTA-PADANG BAGIAN SELATAN	20:52z	04Sep2018	0.64m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	20:54z	04Sep2018	0.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	21:00z	04Sep2018	0.55m

IRAN

PUSHT	06:12z	04Sep2018	14.84m
BIR	06:13z	04Sep2018	10.06m
MISKI	06:57z	04Sep2018	6.76m

KENYA

KIPINI	12:04z	04Sep2018	1.05m
TAKAUNGU	12:08z	04Sep2018	0.96m
KISIMACHANDE	12:10z	04Sep2018	1.07m
MVULENI	12:31z	04Sep2018	0.91m
MALINDI	14:20z	04Sep2018	0.87m
KIWAYU	14:52z	04Sep2018	0.85m

MADAGASCAR

GLORIOSO ISLANDS	11:54z	04Sep2018	0.89m
BALY	12:42z	04Sep2018	0.58m
VOHEMAR	12:55z	04Sep2018	0.88m
ANOROTSANGANA	13:35z	04Sep2018	0.93m
TAMPOLO	14:05z	04Sep2018	0.96m
TOAMASINA AIRPORT	14:19z	04Sep2018	0.55m

MANANTENINA	15:18z	04Sep2018	0.55m
FARAFAGANA	15:48z	04Sep2018	0.78m
AMBAHY	18:24z	04Sep2018	0.76m

MALDIVES

KULHUDUFFUSHI	09:19z	04Sep2018	1.87m
GOIDHOO	09:34z	04Sep2018	2.42m
FERIDHOO	09:47z	04Sep2018	2.70m
NILANDHOO	09:48z	04Sep2018	1.99m
MALE	10:03z	04Sep2018	1.24m
DHIYAMIGILI	10:03z	04Sep2018	1.60m
THINADHOO	10:07z	04Sep2018	2.02m
KOLHUFUSHI	10:12z	04Sep2018	1.05m
HITHADHOO	10:20z	04Sep2018	1.72m

MAURITIUS

AGALEGA ISLAND	11:42z	04Sep2018	1.09m
GRANDE REVIERE SUD EST-WEST	13:12z	04Sep2018	0.58m
GRANDE REVIERE SUD EST-EAST	13:29z	04Sep2018	1.42m
CARGADOS CARAJOS	13:36z	04Sep2018	0.94m
LA FERME	13:58z	04Sep2018	1.52m

MOZAMBIQUE

MAGANJA	12:31z	04Sep2018	0.97m
MERONVI	12:35z	04Sep2018	0.85m
TAVARI	12:43z	04Sep2018	0.60m
MECUFI	12:54z	04Sep2018	0.91m
NANGATA	12:56z	04Sep2018	0.68m
MINHAUINE	13:02z	04Sep2018	0.89m
QUITERAJO	13:16z	04Sep2018	0.70m
PEMBA	13:40z	04Sep2018	0.56m
MURREBUE	14:18z	04Sep2018	0.68m
LURIO	18:27z	04Sep2018	0.51m
LUMBO	18:43z	04Sep2018	0.53m

OMAN

MUSCAT	06:09z	04Sep2018	15.62m
BARKA	06:09z	04Sep2018	12.70m
AL KHABURAH	06:10z	04Sep2018	9.20m
QURAYYAT	06:12z	04Sep2018	17.70m
SUR	06:20z	04Sep2018	15.04m
SOHAR	06:21z	04Sep2018	9.71m
AL ASHKHARAH	06:28z	04Sep2018	7.69m
MASIRAH	06:49z	04Sep2018	3.80m
EAST MUSANDAM	06:50z	04Sep2018	7.43m
RAS AR RUWAYS	06:57z	04Sep2018	4.87m
AD DUQM	07:26z	04Sep2018	3.37m
HASIK	07:47z	04Sep2018	1.80m
AL JAZER	07:48z	04Sep2018	3.90m
MIRBAT	07:51z	04Sep2018	1.32m
TAQAH	08:00z	04Sep2018	1.57m
SALALAH	08:12z	04Sep2018	1.88m

PAKISTAN

ORMARA	06:06z	04Sep2018	9.50m
WINDER	06:54z	04Sep2018	4.43m
SINDH	07:24z	04Sep2018	3.88m
KARACHI	07:26z	04Sep2018	4.76m

SEYCHELLES

FREGATE ISLAND	10:31z	04Sep2018	2.40m
ILE DESROCHES	11:03z	04Sep2018	1.16m
TAKAMAKA	11:29z	04Sep2018	1.82m
ASTOVE ISLAND	11:34z	04Sep2018	0.83m
ALDABRA	11:38z	04Sep2018	0.91m
ALPHONSE ISLAND	11:53z	04Sep2018	0.57m
COETIVY ISLAND	12:22z	04Sep2018	0.95m
FARQUHAR GROUP	12:22z	04Sep2018	0.68m

SOMALIA

TOOXIN	09:09z	04Sep2018	1.86m
ABO	09:12z	04Sep2018	2.25m
QANDALA	09:18z	04Sep2018	1.24m
BANDER-BEYLA	09:23z	04Sep2018	1.72m
HADAAFTIMO	09:32z	04Sep2018	0.88m
EYL	09:40z	04Sep2018	1.84m
BOSASO	09:40z	04Sep2018	1.06m
JARIIBAN	09:53z	04Sep2018	2.58m
GALDOGOB	09:55z	04Sep2018	2.00m
MAYDH	09:58z	04Sep2018	0.95m
KABURA	10:07z	04Sep2018	0.65m
XARARDHEERE	10:16z	04Sep2018	1.97m
CEEL DHEER	10:25z	04Sep2018	1.65m
ITALA	10:28z	04Sep2018	1.08m
MAREEG	10:31z	04Sep2018	1.84m
UARSCIECH	10:38z	04Sep2018	1.26m
MUQDISHO	10:42z	04Sep2018	1.28m
BAKI	10:42z	04Sep2018	0.70m
BEYNAX BARRE	10:50z	04Sep2018	1.27m
SAYLAC	10:52z	04Sep2018	1.09m
BARAAWE	10:59z	04Sep2018	0.85m
LOYADO	11:00z	04Sep2018	1.20m
JILIB	11:14z	04Sep2018	1.16m
TURDHO	11:19z	04Sep2018	1.06m
NE BEERNAASI	11:22z	04Sep2018	1.29m
KAAMBOONI	11:33z	04Sep2018	1.06m

SRI LANKA

COLOMBO	10:40z	04Sep2018	0.79m
BERUWALA	10:51z	04Sep2018	0.86m
AMBALANGODA	10:52z	04Sep2018	1.13m
MORATUWA	10:52z	04Sep2018	0.99m
GALLE	10:57z	04Sep2018	1.04m
MATARA	11:36z	04Sep2018	0.81m
HAMBANTOTA	15:13z	04Sep2018	0.61m
NEGOMBO	15:42z	04Sep2018	0.70m
MANNAR ISLAND	15:56z	04Sep2018	0.68m
TANGALLE	15:58z	04Sep2018	0.59m
MUNDAL LAKE	16:08z	04Sep2018	0.59m
POTTUVIL	16:16z	04Sep2018	0.61m
KIRINDA	17:05z	04Sep2018	0.55m
MUSALI	19:25z	04Sep2018	0.62m

TANZANIA

VUMBI	12:08z	04Sep2018	1.13m
ZANZIBAR	12:15z	04Sep2018	0.68m
KUTANI	12:20z	04Sep2018	0.84m
SONGO SONGO ISLAND	12:22z	04Sep2018	0.88m

VUMBA	12:23z 04Sep2018	0.64m
RUUVU	12:25z 04Sep2018	0.84m
MSASANI	12:28z 04Sep2018	0.79m
MADANGWA	12:29z 04Sep2018	1.31m
BOMALANDNI	12:40z 04Sep2018	1.03m
BAGAMOYO	12:41z 04Sep2018	0.84m
WEST TO KONDE	12:44z 04Sep2018	1.00m
GAZIJA	17:48z 04Sep2018	0.71m
JIMBO	18:02z 04Sep2018	0.76m

UNITED ARAB EMIRATES

KALBA	06:47z 04Sep2018	9.47m
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UNITED KINGDOM

MORESBY ISLAND	11:00z 04Sep2018	1.88m
NW EGMONT ISLAND	11:14z 04Sep2018	1.60m
DIEGO GARCIA	11:34z 04Sep2018	1.66m

YEMEN

DAMQAWT	08:17z 04Sep2018	1.97m
SOCOTRA ISLAND SOUTH	08:17z 04Sep2018	2.30m
AL GHAYDAH AIRPORT	08:31z 04Sep2018	2.10m
SOCOTRA ISLAND NORTH	08:39z 04Sep2018	2.04m
SOCOTRA ISLAND WEST	08:43z 04Sep2018	1.38m
HUSWAYN	08:47z 04Sep2018	2.48m
ALQUMRAH	08:50z 04Sep2018	2.28m
MASILAH WADI	08:59z 04Sep2018	1.86m
HARRAH	09:02z 04Sep2018	2.15m
EAST TO HAMI	09:05z 04Sep2018	1.41m
AL MUKALLA	09:18z 04Sep2018	1.96m
HAMI	09:22z 04Sep2018	1.97m
BROM MAYFA	09:25z 04Sep2018	1.26m
RUDUM	09:46z 04Sep2018	1.03m
AHWAR	09:51z 04Sep2018	0.87m
KHANFAR	10:28z 04Sep2018	1.30m
ADEN	10:32z 04Sep2018	1.06m
MAALLAH	10:38z 04Sep2018	1.07m
QAWAH	11:03z 04Sep2018	0.85m
AL MUALLA	11:34z 04Sep2018	0.96m

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 INDONESIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:

IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>

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

6. CONTACT INFORMATION

IOTWMS-TSP INDONESIA:

THE AGENCY FOR METEOROLOGY CLIMATOLOGY AND GEOPHYSICS (BMKG)

InaTEWS - Indonesian Tsunami Early Warning System

Address: Jl. Angkasa I no.2 Kemayoran, Jakarta, Indonesia, 10720

Tel.: +62 (21) 4246321/6546316

Fax: +62 (21) 6546316/4246703

P.O. Box 3540 Jakarta
Website: <http://rtsp.bmkg.go.id/publicbull.php>
<http://www.bmkg.go.id>
<http://inatews.bmkg.go.id>
E-Mail: inartsp@bmkg.go.id
monitrtpw@bmkg.go.id

END OF BULLETIN

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BULLETIN 9

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
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TSP-InaTEWS-20180904-1200-009

TSUNAMI BULLETIN NUMBER 9 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 1200 UTC, Tuesday, 04 September 2018

... 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).

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Depth : 10km
Date : 04 Sep 2018
Origin Time: 06:00:00 UTC
Latitude : 24.80N
Longitude : 58.20E
Location : Gulf of Oman

2. EVALUATION

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

LOCATION	COUNTRIES	LAT	LON	AMPL (m)	TIME (UTC)	DATE
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Aden	YEMEN	12.78N	44.97E	0.71	11:04	Sep 04, 2018
Colombo	SRI LANKA	6.95N	79.85E	0.36	11:30	Sep 04, 2018
Male	MALDIVES	4.19N	73.52E	0.40	11:39	Sep 04, 2018
Djibouti	DJIBOUTI	11.60N	43.16E	1.00	11:40	Sep 04, 2018
Pt_LaRue	SEYCHELLES	4.50S	55.50E	1.82	11:54	Sep 04, 2018

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

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The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone (or a different threshold nominated by an NTWC), and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than the threshold amplitude at the beach are not shown.

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KAVARATTI	08:56z	04Sep2018	1.38m
AMINI	09:00z	04Sep2018	3.25m
MALVAN BAY	09:00z	04Sep2018	1.81m
MINICOY	09:10z	04Sep2018	1.87m
PANAJI	09:11z	04Sep2018	1.97m
ANDROTH	09:13z	04Sep2018	2.24m
JAIGARH	09:15z	04Sep2018	1.97m
VASCO	09:16z	04Sep2018	2.33m
HAZIRA, DIU	09:38z	04Sep2018	2.35m
KARWAR	09:39z	04Sep2018	2.31m
MANGALORE	09:47z	04Sep2018	1.92m
KASARAGOD	09:51z	04Sep2018	2.14m
ALIBAG PORT	09:54z	04Sep2018	1.76m
ALLEPPEY ALAPPUZHA	09:54z	04Sep2018	1.66m
MUMBAI	09:55z	04Sep2018	2.71m
PIPAVAV	09:56z	04Sep2018	2.57m
MAHE	09:56z	04Sep2018	1.60m
UDUPI	09:57z	04Sep2018	2.29m
KANNUR	09:58z	04Sep2018	2.24m
MAHUVA	09:59z	04Sep2018	2.50m
QUILON	10:02z	04Sep2018	1.65m

VADANAPPALLY	10:03z	04Sep2018	1.89m
VAKKAD	10:03z	04Sep2018	2.21m
KHAMBAT	10:04z	04Sep2018	2.45m
BEYPORE	10:06z	04Sep2018	1.92m
COCHIN	10:08z	04Sep2018	1.83m
BHARUCH	10:10z	04Sep2018	2.00m
TRIVANDRUM	10:17z	04Sep2018	1.40m
HAZIRA	10:18z	04Sep2018	2.24m
BORSI	10:22z	04Sep2018	1.59m
TARAPUR	10:36z	04Sep2018	2.16m
DAMAN	10:43z	04Sep2018	2.37m
KANYAKUMARI	10:59z	04Sep2018	1.34m
KOODANKULAM	11:03z	04Sep2018	1.48m
KOTTTAIPPATTANAM	11:20z	04Sep2018	0.84m
TUTICORIN	20:12z	04Sep2018	0.75m
RAMESWARAM	20:23z	04Sep2018	0.56m
KOMATRA AND KATCHAL ISLAND	20:54z	04Sep2018	0.55m

INDONESIA

SUMUT NIAS BAGIAN BARAT	13:35z	04Sep2018	0.76m
SUMUT NIAS-SELATAN PULAU NIAS	14:04z	04Sep2018	0.68m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	15:12z	04Sep2018	0.64m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	15:19z	04Sep2018	0.54m
NAD ACEH-BESAR PULAU PENAS	15:33z	04Sep2018	0.90m
SUMUT NIAS-SELATAN PULAU TANABALA	15:40z	04Sep2018	0.50m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	16:32z	04Sep2018	0.55m
NAD ACEH-JAYA	17:07z	04Sep2018	0.68m
NAD ACEH-BESAR BAGIAN BARAT	17:08z	04Sep2018	1.52m
LAMPUNG TANGGAMUS BAGIAN BARAT	17:12z	04Sep2018	0.64m
NAD ACEH-BARAT	17:27z	04Sep2018	0.77m
NAD NAGAN-RAYA	18:28z	04Sep2018	0.56m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	18:54z	04Sep2018	0.54m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	18:59z	04Sep2018	0.71m
SUMUT NIAS BAGIAN TIMUR	19:39z	04Sep2018	0.51m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	20:10z	04Sep2018	0.63m
BENGKULU SELUMA	20:13z	04Sep2018	0.71m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	20:22z	04Sep2018	0.55m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	20:32z	04Sep2018	0.60m
JABAR TASIKMALAYA	20:38z	04Sep2018	0.54m
BENGKULU KAUR	20:48z	04Sep2018	0.52m
SUMBAR KOTA-PADANG BAGIAN SELATAN	20:52z	04Sep2018	0.64m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	20:54z	04Sep2018	0.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	21:00z	04Sep2018	0.55m

IRAN

PUSHT	06:12z	04Sep2018	14.84m
BIR	06:13z	04Sep2018	10.06m
MISKI	06:57z	04Sep2018	6.76m

KENYA

KIPINI	12:04z	04Sep2018	1.05m
TAKAUNGU	12:08z	04Sep2018	0.96m
KISIMACHANDE	12:10z	04Sep2018	1.07m
MVULENI	12:31z	04Sep2018	0.91m
MALINDI	14:20z	04Sep2018	0.87m
KIWAYU	14:52z	04Sep2018	0.85m

MADAGASCAR

GLORIOSO ISLANDS	11:54z	04Sep2018	0.89m
BALY	12:42z	04Sep2018	0.58m

VOHEMAR	12:55z	04Sep2018	0.88m
ANOROTSANGANA	13:35z	04Sep2018	0.93m
TAMPOLO	14:05z	04Sep2018	0.96m
TOAMASINA AIRPORT	14:19z	04Sep2018	0.55m
MANANTENINA	15:18z	04Sep2018	0.55m
FARAFAGANA	15:48z	04Sep2018	0.78m
AMBAHY	18:24z	04Sep2018	0.76m

MALDIVES

KULHUDUFFUSHI	09:19z	04Sep2018	1.87m
GOIDHOO	09:34z	04Sep2018	2.42m
FERIDHOO	09:47z	04Sep2018	2.70m
NILANDHOO	09:48z	04Sep2018	1.99m
MALE	10:03z	04Sep2018	1.24m
DHIYAMIGILI	10:03z	04Sep2018	1.60m
THINADHOO	10:07z	04Sep2018	2.02m
KOLHUFUSHI	10:12z	04Sep2018	1.05m
HITHADHOO	10:20z	04Sep2018	1.72m

MAURITIUS

AGALEGA ISLAND	11:42z	04Sep2018	1.09m
GRANDE REVIERE SUD EST-WEST	13:12z	04Sep2018	0.58m
GRANDE REVIERE SUD EST-EAST	13:29z	04Sep2018	1.42m
CARGADOS CARAJOS	13:36z	04Sep2018	0.94m
LA FERME	13:58z	04Sep2018	1.52m

MOZAMBIQUE

MAGANJA	12:31z	04Sep2018	0.97m
MERONVI	12:35z	04Sep2018	0.85m
TAVARI	12:43z	04Sep2018	0.60m
MECUFI	12:54z	04Sep2018	0.91m
NANGATA	12:56z	04Sep2018	0.68m
MINHAUINE	13:02z	04Sep2018	0.89m
QUITERAJO	13:16z	04Sep2018	0.70m
PEMBA	13:40z	04Sep2018	0.56m
MURREBUE	14:18z	04Sep2018	0.68m
LURIO	18:27z	04Sep2018	0.51m
LUMBO	18:43z	04Sep2018	0.53m

OMAN

MUSCAT	06:09z	04Sep2018	15.62m
BARKA	06:09z	04Sep2018	12.70m
AL KHABURAH	06:10z	04Sep2018	9.20m
QURAYYAT	06:12z	04Sep2018	17.70m
SUR	06:20z	04Sep2018	15.04m
SOHAR	06:21z	04Sep2018	9.71m
AL ASHKHARAH	06:28z	04Sep2018	7.69m
MASIRAH	06:49z	04Sep2018	3.80m
EAST MUSANDAM	06:50z	04Sep2018	7.43m
RAS AR RUWAYS	06:57z	04Sep2018	4.87m
AD DUQM	07:26z	04Sep2018	3.37m
HASIK	07:47z	04Sep2018	1.80m
AL JAZER	07:48z	04Sep2018	3.90m
MIRBAT	07:51z	04Sep2018	1.32m
TAQAH	08:00z	04Sep2018	1.57m
SALALAH	08:12z	04Sep2018	1.88m

PAKISTAN

ORMARA	06:06z	04Sep2018	9.50m
WINDER	06:54z	04Sep2018	4.43m
SINDH	07:24z	04Sep2018	3.88m
KARACHI	07:26z	04Sep2018	4.76m

SEYCHELLES

FREGATE ISLAND	10:31z	04Sep2018	2.40m
ILE DESROCHES	11:03z	04Sep2018	1.16m
TAKAMAKA	11:29z	04Sep2018	1.82m
ASTOVE ISLAND	11:34z	04Sep2018	0.83m
ALDABRA	11:38z	04Sep2018	0.91m
ALPHONSE ISLAND	11:53z	04Sep2018	0.57m
COETIVY ISLAND	12:22z	04Sep2018	0.95m
FARQUHAR GROUP	12:22z	04Sep2018	0.68m

SOMALIA

TOOXIN	09:09z	04Sep2018	1.86m
ABO	09:12z	04Sep2018	2.25m
QANDALA	09:18z	04Sep2018	1.24m
BANDER-BEYLA	09:23z	04Sep2018	1.72m
HADAAFTIMO	09:32z	04Sep2018	0.88m
EYL	09:40z	04Sep2018	1.84m
BOSASO	09:40z	04Sep2018	1.06m
JARIIBAN	09:53z	04Sep2018	2.58m
GALDOGOB	09:55z	04Sep2018	2.00m
MAYDH	09:58z	04Sep2018	0.95m
KABURA	10:07z	04Sep2018	0.65m
XARARDHEERE	10:16z	04Sep2018	1.97m
CEEL DHEER	10:25z	04Sep2018	1.65m
ITALA	10:28z	04Sep2018	1.08m
MAREEG	10:31z	04Sep2018	1.84m
UARSCIECH	10:38z	04Sep2018	1.26m
MUQDISHO	10:42z	04Sep2018	1.28m
BAKI	10:42z	04Sep2018	0.70m
BEYNAX BARRE	10:50z	04Sep2018	1.27m
SAYLAC	10:52z	04Sep2018	1.09m
BARAAWE	10:59z	04Sep2018	0.85m
LOYADO	11:00z	04Sep2018	1.20m
JILIB	11:14z	04Sep2018	1.16m
TURDHO	11:19z	04Sep2018	1.06m
NE BEERNAASI	11:22z	04Sep2018	1.29m
KAAMBOONI	11:33z	04Sep2018	1.06m

SRI LANKA

COLOMBO	10:40z	04Sep2018	0.79m
BERUWALA	10:51z	04Sep2018	0.86m
AMBALANGODA	10:52z	04Sep2018	1.13m
MORATUWA	10:52z	04Sep2018	0.99m
GALLE	10:57z	04Sep2018	1.04m
MATARA	11:36z	04Sep2018	0.81m
HAMBANTOTA	15:13z	04Sep2018	0.61m
NEGOMBO	15:42z	04Sep2018	0.70m
MANNAR ISLAND	15:56z	04Sep2018	0.68m
TANGALLE	15:58z	04Sep2018	0.59m
MUNDAL LAKE	16:08z	04Sep2018	0.59m
POTTUVIL	16:16z	04Sep2018	0.61m
KIRINDA	17:05z	04Sep2018	0.55m
MUSALI	19:25z	04Sep2018	0.62m

TANZANIA

VUMBI	12:08z	04Sep2018	1.13m
ZANZIBAR	12:15z	04Sep2018	0.68m
KUTANI	12:20z	04Sep2018	0.84m
SONGO SONGO ISLAND	12:22z	04Sep2018	0.88m
VUMBA	12:23z	04Sep2018	0.64m
RUUU	12:25z	04Sep2018	0.84m
MSASANI	12:28z	04Sep2018	0.79m
MADANGWA	12:29z	04Sep2018	1.31m
BOMALANDNI	12:40z	04Sep2018	1.03m
BAGAMOYO	12:41z	04Sep2018	0.84m
WEST TO KONDE	12:44z	04Sep2018	1.00m
GAZIJA	17:48z	04Sep2018	0.71m
JIMBO	18:02z	04Sep2018	0.76m

UNITED ARAB EMIRATES

KALBA	06:47z	04Sep2018	9.47m
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UNITED KINGDOM

MORESBY ISLAND	11:00z	04Sep2018	1.88m
NW EGMONT ISLAND	11:14z	04Sep2018	1.60m
DIEGO GARCIA	11:34z	04Sep2018	1.66m

YEMEN

DAMQAWT	08:17z	04Sep2018	1.97m
SOCOTRA ISLAND SOUTH	08:17z	04Sep2018	2.30m
AL GHAYDAH AIRPORT	08:31z	04Sep2018	2.10m
SOCOTRA ISLAND NORTH	08:39z	04Sep2018	2.04m
SOCOTRA ISLAND WEST	08:43z	04Sep2018	1.38m
HUSWAYN	08:47z	04Sep2018	2.48m
ALQUMRAH	08:50z	04Sep2018	2.28m
MASILAH WADI	08:59z	04Sep2018	1.86m
HARRAH	09:02z	04Sep2018	2.15m
EAST TO HAMI	09:05z	04Sep2018	1.41m
AL MUKALLA	09:18z	04Sep2018	1.96m
HAMI	09:22z	04Sep2018	1.97m
BROM MAYFA	09:25z	04Sep2018	1.26m
RUDUM	09:46z	04Sep2018	1.03m
AHWAR	09:51z	04Sep2018	0.87m
KHANFAR	10:28z	04Sep2018	1.30m
ADEN	10:32z	04Sep2018	1.06m
MAALLAH	10:38z	04Sep2018	1.07m
QAWAH	11:03z	04Sep2018	0.85m
AL MUALLA	11:34z	04Sep2018	0.96m

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 INDONESIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:

IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>

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

6. CONTACT INFORMATION

IOTWMS-TSP INDONESIA:

THE AGENCY FOR METEOROLOGY CLIMATOLOGY AND GEOPHYSICS (BMKG)

InaTEWS - Indonesian Tsunami Early Warning System
Address: Jl. Angkasa I no.2 Kemayoran, Jakarta, Indonesia, 10720
Tel.: +62 (21) 4246321/6546316
Fax: +62 (21) 6546316/4246703
P.O. Box 3540 Jakarta
Website: <http://rtsp.bmkg.go.id/publicbull.php>
<http://www.bmkg.go.id>
<http://inatews.bmkg.go.id>
E-Mail: inartsp@bmkg.go.id
monitrtp@bmkg.go.id

END OF BULLETIN

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BULLETIN 10

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20180904-1300-010

TSUNAMI BULLETIN NUMBER 10 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 1300 UTC, Tuesday, 04 September 2018

... 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. EARTHQUAKE INFORMATION (updated)

IOTWMS-TSP INDONESIA has detected an earthquake with the following details:

Magnitude : 9.0 Mw
Depth : 10km
Date : 04 Sep 2018
Origin Time: 06:00:00 UTC
Latitude : 24.80N
Longitude : 58.20E
Location : Gulf of Oman

2. EVALUATION

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

LOCATION	COUNTRIES	LAT	LON	AMPL (m)	TIME (UTC)	DATE
Gwadar	PAKISTAN	25.11N	62.33E	7.10	6:10	Sep 04, 2018
Chabahar	IRAN	25.29N	60.60E	5.72	6:19	Sep 04, 2018
Muscat	OMAN	23.63N	58.56E	5.48	6:23	Sep 04, 2018
Majis	OMAN	24.51N	56.60E	6.50	6:40	Sep 04, 2018
Khawr Wudam	OMAN	23.82N	57.52E	8.00	6:45	Sep 04, 2018
Masirah	OMAN	20.68N	58.86E	1.78	7:15	Sep 04, 2018
Salalah	OMAN	16.93N	54.00E	0.75	8:38	Sep 04, 2018
Ormara	PAKISTAN	25.20N	64.67E	3.32	8:47	Sep 04, 2018
Veeraval	INDIA	20.90N	70.36E	2.00	9:10	Sep 04, 2018
Minicoy	INDIA	8.28N	73.05E	0.38	9:33	Sep 04, 2018
Hanimadhoo	MALDIVES	6.76N	73.16E	0.54	10:16	Sep 04, 2018
Gan	MALDIVES	0.68S	73.15E	0.68	10:34	Sep 04, 2018
Aden	YEMEN	12.78N	44.97E	0.71	11:04	Sep 04, 2018
Colombo	SRI LANKA	6.95N	79.85E	0.36	11:30	Sep 04, 2018
Male	MALDIVES	4.19N	73.52E	0.40	11:39	Sep 04, 2018
Djibouti	DJIBOUTI	11.60N	43.16E	1.00	11:40	Sep 04, 2018
Pt_LaRue	SEYCHELLES	4.50S	55.50E	1.82	11:54	Sep 04, 2018
Agalega	MAURITIUS	10.34S	56.58E	0.29	12:05	Sep 04, 2018

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone (or a different threshold nominated by an NTWC), and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than the threshold amplitude at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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

GASCOYNE COAST	17:37z	04Sep2018	0.57m
HEARD ISLAND AND MCDONALD ISLANDS	19:56z	04Sep2018	1.64m
AURORA BANK	20:12z	04Sep2018	0.88m

COMOROS

CHEZANI	12:09z	04Sep2018	1.10m
BAMBAO	12:09z	04Sep2018	0.96m
DZAOUDZI	12:20z	04Sep2018	1.20m
FOMBONI	12:41z	04Sep2018	1.17m

DJIBOUTI

MUHAMMAD ALI BIN FATHA SUMANA	10:57z	04Sep2018	0.91m
NW ARTA	11:08z	04Sep2018	1.30m

FRANCE

ILE SAINT-PAUL-NORTH	16:21z	04Sep2018	0.75m
ILE SAINT-PAUL-SOUTH	16:40z	04Sep2018	0.59m
ILE DE LA POSSESSION	17:19z	04Sep2018	0.71m
CROZET PLATEAU	18:41z	04Sep2018	0.98m
ILE KERGUELEN	18:53z	04Sep2018	1.39m

INDIA

MANDVI	07:57z	04Sep2018	2.59m
PORBANDAR	08:01z	04Sep2018	2.27m
DWARKA	08:08z	04Sep2018	2.78m
JAMNAGAR	08:10z	04Sep2018	2.10m
MANGROL	08:17z	04Sep2018	2.38m
AGATTI	08:44z	04Sep2018	3.01m
KAVARATTI	08:56z	04Sep2018	1.38m
AMINI	09:00z	04Sep2018	3.25m
MALVAN BAY	09:00z	04Sep2018	1.81m
MINICOY	09:10z	04Sep2018	1.87m
PANAJI	09:11z	04Sep2018	1.97m
ANDROTH	09:13z	04Sep2018	2.24m
JAIGARH	09:15z	04Sep2018	1.97m
VASCO	09:16z	04Sep2018	2.33m
HAZIRA, DIU	09:38z	04Sep2018	2.35m
KARWAR	09:39z	04Sep2018	2.31m
MANGALORE	09:47z	04Sep2018	1.92m
KASARAGOD	09:51z	04Sep2018	2.14m
ALIBAG PORT	09:54z	04Sep2018	1.76m
ALLEPPEY ALAPPUZHA	09:54z	04Sep2018	1.66m
MUMBAI	09:55z	04Sep2018	2.71m
PIPAVAV	09:56z	04Sep2018	2.57m
MAHE	09:56z	04Sep2018	1.60m
UDUPI	09:57z	04Sep2018	2.29m
KANNUR	09:58z	04Sep2018	2.24m

MAHUVA	09:59z	04Sep2018	2.50m
QUILON	10:02z	04Sep2018	1.65m
VADANAPPALLY	10:03z	04Sep2018	1.89m
VAKKAD	10:03z	04Sep2018	2.21m
KHAMBAT	10:04z	04Sep2018	2.45m
BEYPORE	10:06z	04Sep2018	1.92m
COCHIN	10:08z	04Sep2018	1.83m
BHARUCH	10:10z	04Sep2018	2.00m
TRIVANDRUM	10:17z	04Sep2018	1.40m
HAZIRA	10:18z	04Sep2018	2.24m
BORSI	10:22z	04Sep2018	1.59m
TARAPUR	10:36z	04Sep2018	2.16m
DAMAN	10:43z	04Sep2018	2.37m
KANYAKUMARI	10:59z	04Sep2018	1.34m
KOODANKULAM	11:03z	04Sep2018	1.48m
KOTTTAIPPATTANAM	11:20z	04Sep2018	0.84m
TUTICORIN	20:12z	04Sep2018	0.75m
RAMESWARAM	20:23z	04Sep2018	0.56m
KOMATRA AND KATCHAL ISLAND	20:54z	04Sep2018	0.55m

INDONESIA

SUMUT NIAS BAGIAN BARAT	13:35z	04Sep2018	0.76m
SUMUT NIAS-SELATAN PULAU NIAS	14:04z	04Sep2018	0.68m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	15:12z	04Sep2018	0.64m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	15:19z	04Sep2018	0.54m
NAD ACEH-BESAR PULAU PENAS	15:33z	04Sep2018	0.90m
SUMUT NIAS-SELATAN PULAU TANABALA	15:40z	04Sep2018	0.50m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	16:32z	04Sep2018	0.55m
NAD ACEH-JAYA	17:07z	04Sep2018	0.68m
NAD ACEH-BESAR BAGIAN BARAT	17:08z	04Sep2018	1.52m
LAMPUNG TANGGAMUS BAGIAN BARAT	17:12z	04Sep2018	0.64m
NAD ACEH-BARAT	17:27z	04Sep2018	0.77m
NAD NAGAN-RAYA	18:28z	04Sep2018	0.56m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	18:54z	04Sep2018	0.54m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	18:59z	04Sep2018	0.71m
SUMUT NIAS BAGIAN TIMUR	19:39z	04Sep2018	0.51m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	20:10z	04Sep2018	0.63m
BENGKULU SELUMA	20:13z	04Sep2018	0.71m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	20:22z	04Sep2018	0.55m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	20:32z	04Sep2018	0.60m
JABAR TASIKMALAYA	20:38z	04Sep2018	0.54m
BENGKULU KAUR	20:48z	04Sep2018	0.52m
SUMBAR KOTA-PADANG BAGIAN SELATAN	20:52z	04Sep2018	0.64m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	20:54z	04Sep2018	0.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	21:00z	04Sep2018	0.55m

IRAN

PUSHT	06:12z	04Sep2018	14.84m
BIR	06:13z	04Sep2018	10.06m
MISKI	06:57z	04Sep2018	6.76m

KENYA

KIPINI	12:04z	04Sep2018	1.05m
TAKAUNGU	12:08z	04Sep2018	0.96m
KISIMACHANDE	12:10z	04Sep2018	1.07m
MVULENI	12:31z	04Sep2018	0.91m
MALINDI	14:20z	04Sep2018	0.87m
KIWAYU	14:52z	04Sep2018	0.85m

MADAGASCAR

GLORIOSO ISLANDS	11:54z	04Sep2018	0.89m
BALY	12:42z	04Sep2018	0.58m
VOHEMAR	12:55z	04Sep2018	0.88m
ANOROTSANGANA	13:35z	04Sep2018	0.93m
TAMPOLO	14:05z	04Sep2018	0.96m
TOAMASINA AIRPORT	14:19z	04Sep2018	0.55m
MANANTENINA	15:18z	04Sep2018	0.55m
FARAFAGANA	15:48z	04Sep2018	0.78m
AMBAHY	18:24z	04Sep2018	0.76m

MALDIVES

KULHUDUFFUSHI	09:19z	04Sep2018	1.87m
GOIDHOO	09:34z	04Sep2018	2.42m
FERIDHOO	09:47z	04Sep2018	2.70m
NILANDHOO	09:48z	04Sep2018	1.99m
MALE	10:03z	04Sep2018	1.24m
DHIYAMIGILI	10:03z	04Sep2018	1.60m
THINADHOO	10:07z	04Sep2018	2.02m
KOLHUFUSHI	10:12z	04Sep2018	1.05m
HITHADHOO	10:20z	04Sep2018	1.72m

MAURITIUS

AGALEGA ISLAND	11:42z	04Sep2018	1.09m
GRANDE REVIERE SUD EST-WEST	13:12z	04Sep2018	0.58m
GRANDE REVIERE SUD EST-EAST	13:29z	04Sep2018	1.42m
CARGADOS CARAJOS	13:36z	04Sep2018	0.94m
LA FERME	13:58z	04Sep2018	1.52m

MOZAMBIQUE

MAGANJA	12:31z	04Sep2018	0.97m
MERONVI	12:35z	04Sep2018	0.85m
TAVARI	12:43z	04Sep2018	0.60m
MECUFI	12:54z	04Sep2018	0.91m
NANGATA	12:56z	04Sep2018	0.68m
MINHAUINE	13:02z	04Sep2018	0.89m
QUITERAJO	13:16z	04Sep2018	0.70m
PEMBA	13:40z	04Sep2018	0.56m
MURREBUE	14:18z	04Sep2018	0.68m
LURIO	18:27z	04Sep2018	0.51m
LUMBO	18:43z	04Sep2018	0.53m

OMAN

MUSCAT	06:09z	04Sep2018	15.62m
BARKA	06:09z	04Sep2018	12.70m
AL KHABURAH	06:10z	04Sep2018	9.20m
QURAYYAT	06:12z	04Sep2018	17.70m
SUR	06:20z	04Sep2018	15.04m
SOHAR	06:21z	04Sep2018	9.71m
AL ASHKHARAH	06:28z	04Sep2018	7.69m
MASIRAH	06:49z	04Sep2018	3.80m
EAST MUSANDAM	06:50z	04Sep2018	7.43m
RAS AR RUWAYS	06:57z	04Sep2018	4.87m
AD DUQM	07:26z	04Sep2018	3.37m
HASIK	07:47z	04Sep2018	1.80m
AL JAZER	07:48z	04Sep2018	3.90m
MIRBAT	07:51z	04Sep2018	1.32m
TAQAH	08:00z	04Sep2018	1.57m
SALALAH	08:12z	04Sep2018	1.88m

PAKISTAN

ORMARA	06:06z	04Sep2018	9.50m
WINDER	06:54z	04Sep2018	4.43m
SINDH	07:24z	04Sep2018	3.88m
KARACHI	07:26z	04Sep2018	4.76m

SEYCHELLES

FREGATE ISLAND	10:31z	04Sep2018	2.40m
ILE DESROCHES	11:03z	04Sep2018	1.16m
TAKAMAKA	11:29z	04Sep2018	1.82m
ASTOVE ISLAND	11:34z	04Sep2018	0.83m
ALDABRA	11:38z	04Sep2018	0.91m
ALPHONSE ISLAND	11:53z	04Sep2018	0.57m
COETIVY ISLAND	12:22z	04Sep2018	0.95m
FARQUHAR GROUP	12:22z	04Sep2018	0.68m

SOMALIA

TOOXIN	09:09z	04Sep2018	1.86m
ABO	09:12z	04Sep2018	2.25m
QANDALA	09:18z	04Sep2018	1.24m
BANDER-BEYLA	09:23z	04Sep2018	1.72m
HADAAFTIMO	09:32z	04Sep2018	0.88m
EYL	09:40z	04Sep2018	1.84m
BOSASO	09:40z	04Sep2018	1.06m
JARIIBAN	09:53z	04Sep2018	2.58m
GALDOGOB	09:55z	04Sep2018	2.00m
MAYDH	09:58z	04Sep2018	0.95m
KABURA	10:07z	04Sep2018	0.65m
XARARDHEERE	10:16z	04Sep2018	1.97m
CEEL DHEER	10:25z	04Sep2018	1.65m
ITALA	10:28z	04Sep2018	1.08m
MAREEG	10:31z	04Sep2018	1.84m
UARSCIECH	10:38z	04Sep2018	1.26m
MUQDISHO	10:42z	04Sep2018	1.28m
BAKI	10:42z	04Sep2018	0.70m
BEYNAX BARRE	10:50z	04Sep2018	1.27m
SAYLAC	10:52z	04Sep2018	1.09m
BARAAWE	10:59z	04Sep2018	0.85m
LOYADO	11:00z	04Sep2018	1.20m
JILIB	11:14z	04Sep2018	1.16m
TURDHO	11:19z	04Sep2018	1.06m
NE BEERNAASI	11:22z	04Sep2018	1.29m
KAAMBOONI	11:33z	04Sep2018	1.06m

SRI LANKA

COLOMBO	10:40z	04Sep2018	0.79m
BERUWALA	10:51z	04Sep2018	0.86m
AMBALANGODA	10:52z	04Sep2018	1.13m
MORATUWA	10:52z	04Sep2018	0.99m
GALLE	10:57z	04Sep2018	1.04m
MATARA	11:36z	04Sep2018	0.81m
HAMBANTOTA	15:13z	04Sep2018	0.61m
NEGOMBO	15:42z	04Sep2018	0.70m
MANNAR ISLAND	15:56z	04Sep2018	0.68m
TANGALLE	15:58z	04Sep2018	0.59m
MUNDAL LAKE	16:08z	04Sep2018	0.59m
POTTUVIL	16:16z	04Sep2018	0.61m
KIRINDA	17:05z	04Sep2018	0.55m
MUSALI	19:25z	04Sep2018	0.62m

TANZANIA

VUMBI	12:08z	04Sep2018	1.13m
ZANZIBAR	12:15z	04Sep2018	0.68m
KUTANI	12:20z	04Sep2018	0.84m
SONGO SONGO ISLAND	12:22z	04Sep2018	0.88m
VUMBA	12:23z	04Sep2018	0.64m
RUUU	12:25z	04Sep2018	0.84m
MSASANI	12:28z	04Sep2018	0.79m
MADANGWA	12:29z	04Sep2018	1.31m
BOMALANDNI	12:40z	04Sep2018	1.03m
BAGAMOYO	12:41z	04Sep2018	0.84m
WEST TO KONDE	12:44z	04Sep2018	1.00m
GAZIJA	17:48z	04Sep2018	0.71m
JIMBO	18:02z	04Sep2018	0.76m

UNITED ARAB EMIRATES

KALBA	06:47z	04Sep2018	9.47m
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UNITED KINGDOM

MORESBY ISLAND	11:00z	04Sep2018	1.88m
NW EGMONT ISLAND	11:14z	04Sep2018	1.60m
DIEGO GARCIA	11:34z	04Sep2018	1.66m

YEMEN

DAMQAWT	08:17z	04Sep2018	1.97m
SOCOTRA ISLAND SOUTH	08:17z	04Sep2018	2.30m
AL GHAYDAH AIRPORT	08:31z	04Sep2018	2.10m
SOCOTRA ISLAND NORTH	08:39z	04Sep2018	2.04m
SOCOTRA ISLAND WEST	08:43z	04Sep2018	1.38m
HUSWAYN	08:47z	04Sep2018	2.48m
ALQUMRAH	08:50z	04Sep2018	2.28m
MASILAH WADI	08:59z	04Sep2018	1.86m
HARRAH	09:02z	04Sep2018	2.15m
EAST TO HAMI	09:05z	04Sep2018	1.41m
AL MUKALLA	09:18z	04Sep2018	1.96m
HAMI	09:22z	04Sep2018	1.97m
BROM MAYFA	09:25z	04Sep2018	1.26m
RUDUM	09:46z	04Sep2018	1.03m
AHWAR	09:51z	04Sep2018	0.87m
KHANFAR	10:28z	04Sep2018	1.30m
ADEN	10:32z	04Sep2018	1.06m
MAALLAH	10:38z	04Sep2018	1.07m
QAWAH	11:03z	04Sep2018	0.85m
AL MUALLA	11:34z	04Sep2018	0.96m

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 INDONESIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:

IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>

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

6. CONTACT INFORMATION

IOTWMS-TSP INDONESIA:

THE AGENCY FOR METEOROLOGY CLIMATOLOGY AND GEOPHYSICS (BMKG)

InaTEWS - Indonesian Tsunami Early Warning System

Address: Jl. Angkasa I no.2 Kemayoran, Jakarta, Indonesia, 10720

Tel.: +62 (21) 4246321/6546316

Fax: +62 (21) 6546316/4246703

P.O. Box 3540 Jakarta

Website: <http://rtsp.bmkg.go.id/publicbull.php>

<http://www.bmkg.go.id>

<http://inatews.bmkg.go.id>

E-Mail: inartsp@bmkg.go.id

monitrtwp@bmkg.go.id

END OF BULLETIN

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BULLETIN 11

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20180904-1400-011

TSUNAMI BULLETIN NUMBER 11 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 1400 UTC, Tuesday, 04 September 2018

... 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. EARTHQUAKE INFORMATION (updated)

IOTWMS-TSP INDONESIA has detected an earthquake with the following details:

Magnitude : 9.0 Mw
Depth : 10km
Date : 04 Sep 2018
Origin Time: 06:00:00 UTC
Latitude : 24.80N
Longitude : 58.20E
Location : Gulf of Oman

2. EVALUATION

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

LOCATION	COUNTRIES	LAT	LON	AMPL (m)	TIME (UTC)	DATE
Gwadar	PAKISTAN	25.11N	62.33E	7.10	6:10	Sep 04, 2018
Chabahar	IRAN	25.29N	60.60E	5.72	6:19	Sep 04, 2018
Muscat	OMAN	23.63N	58.56E	5.48	6:23	Sep 04, 2018
Majis	OMAN	24.51N	56.60E	6.50	6:40	Sep 04, 2018
Khawr Wudam	OMAN	23.82N	57.52E	8.00	6:45	Sep 04, 2018
Masirah	OMAN	20.68N	58.86E	1.78	7:15	Sep 04, 2018
Salalah	OMAN	16.93N	54.00E	0.75	8:38	Sep 04, 2018
Ormara	PAKISTAN	25.20N	64.67E	3.32	8:47	Sep 04, 2018
Veeraval	INDIA	20.90N	70.36E	2.00	9:10	Sep 04, 2018
Minicoy	INDIA	8.28N	73.05E	0.38	9:33	Sep 04, 2018
Hanimadhoo	MALDIVES	6.76N	73.16E	0.54	10:16	Sep 04, 2018
Gan	MALDIVES	0.68S	73.15E	0.68	10:34	Sep 04, 2018
Aden	YEMEN	12.78N	44.97E	0.71	11:04	Sep 04, 2018
Colombo	SRI LANKA	6.95N	79.85E	0.36	11:30	Sep 04, 2018
Male	MALDIVES	4.19N	73.52E	0.40	11:39	Sep 04, 2018
Djibouti	DJIBOUTI	11.60N	43.16E	1.00	11:40	Sep 04, 2018
Pt_LaRue	SEYCHELLES	4.50S	55.50E	1.82	11:54	Sep 04, 2018
Agalega	MAURITIUS	10.34S	56.58E	0.29	12:05	Sep 04, 2018
Karachi	PAKISTAN	24.81N	66.97E	1.78	13:01	Sep 04, 2018
Mombasa	KENYA	4.06S	39.65E	0.25	13:19	Sep 04, 2018
Mtwara	TANZANIA	10.26S	40.20E	0.22	13:24	Sep 04, 2018
Pt_Louis	MAURITIUS	20.15S	57.50E	0.51	13:28	Sep 04, 2018
Sainte_Marie	REUNION ISLA	20.89S	55.53E	0.55	13:33	Sep 04, 2018
Cochin	INDIA	9.96N	76.26E	1.34	13:36	Sep 04, 2018

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone (or a different threshold nominated by an NTWC), and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than the

threshold amplitude at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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

GASCOYNE COAST	17:37z	04Sep2018	0.57m
HEARD ISLAND AND MCDONALD ISLANDS	19:56z	04Sep2018	1.64m
AURORA BANK	20:12z	04Sep2018	0.88m

COMOROS

CHEZANI	12:09z	04Sep2018	1.10m
BAMBAO	12:09z	04Sep2018	0.96m
DZAOUDZI	12:20z	04Sep2018	1.20m
FOMBONI	12:41z	04Sep2018	1.17m

DJIBOUTI

MUHAMMAD ALI BIN FATHA SUMANA	10:57z	04Sep2018	0.91m
NW ARTA	11:08z	04Sep2018	1.30m

FRANCE

ILE SAINT-PAUL-NORTH	16:21z	04Sep2018	0.75m
ILE SAINT-PAUL-SOUTH	16:40z	04Sep2018	0.59m
ILE DE LA POSSESSION	17:19z	04Sep2018	0.71m
CROZET PLATEAU	18:41z	04Sep2018	0.98m
ILE KERGUELEN	18:53z	04Sep2018	1.39m

INDIA

MANDVI	07:57z	04Sep2018	2.59m
PORBANDAR	08:01z	04Sep2018	2.27m
DWARKA	08:08z	04Sep2018	2.78m
JAMNAGAR	08:10z	04Sep2018	2.10m
MANGROL	08:17z	04Sep2018	2.38m
AGATTI	08:44z	04Sep2018	3.01m
KAVARATTI	08:56z	04Sep2018	1.38m
AMINI	09:00z	04Sep2018	3.25m
MALVAN BAY	09:00z	04Sep2018	1.81m
MINICOY	09:10z	04Sep2018	1.87m
PANAJI	09:11z	04Sep2018	1.97m
ANDROTH	09:13z	04Sep2018	2.24m
JAIGARH	09:15z	04Sep2018	1.97m
VASCO	09:16z	04Sep2018	2.33m
HAZIRA, DIU	09:38z	04Sep2018	2.35m
KARWAR	09:39z	04Sep2018	2.31m
MANGALORE	09:47z	04Sep2018	1.92m
KASARAGOD	09:51z	04Sep2018	2.14m
ALIBAG PORT	09:54z	04Sep2018	1.76m
ALLEPPEY ALAPPUZHA	09:54z	04Sep2018	1.66m

MUMBAI	09:55z	04Sep2018	2.71m
PIPAVAV	09:56z	04Sep2018	2.57m
MAHE	09:56z	04Sep2018	1.60m
UDUPI	09:57z	04Sep2018	2.29m
KANNUR	09:58z	04Sep2018	2.24m
MAHUVA	09:59z	04Sep2018	2.50m
QUILON	10:02z	04Sep2018	1.65m
VADANAPPALLY	10:03z	04Sep2018	1.89m
VAKKAD	10:03z	04Sep2018	2.21m
KHAMBAT	10:04z	04Sep2018	2.45m
BEYPORE	10:06z	04Sep2018	1.92m
COCHIN	10:08z	04Sep2018	1.83m
BHARUCH	10:10z	04Sep2018	2.00m
TRIVANDRUM	10:17z	04Sep2018	1.40m
HAZIRA	10:18z	04Sep2018	2.24m
BORSI	10:22z	04Sep2018	1.59m
TARAPUR	10:36z	04Sep2018	2.16m
DAMAN	10:43z	04Sep2018	2.37m
KANYAKUMARI	10:59z	04Sep2018	1.34m
KOODANKULAM	11:03z	04Sep2018	1.48m
KOTTTAIPPATTANAM	11:20z	04Sep2018	0.84m
TUTICORIN	20:12z	04Sep2018	0.75m
RAMESWARAM	20:23z	04Sep2018	0.56m
KOMATRA AND KATCHAL ISLAND	20:54z	04Sep2018	0.55m

INDONESIA

SUMUT NIAS BAGIAN BARAT	13:35z	04Sep2018	0.76m
SUMUT NIAS-SELATAN PULAU NIAS	14:04z	04Sep2018	0.68m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	15:12z	04Sep2018	0.64m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	15:19z	04Sep2018	0.54m
NAD ACEH-BESAR PULAU PENAS	15:33z	04Sep2018	0.90m
SUMUT NIAS-SELATAN PULAU TANABALA	15:40z	04Sep2018	0.50m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	16:32z	04Sep2018	0.55m
NAD ACEH-JAYA	17:07z	04Sep2018	0.68m
NAD ACEH-BESAR BAGIAN BARAT	17:08z	04Sep2018	1.52m
LAMPUNG TANGGAMUS BAGIAN BARAT	17:12z	04Sep2018	0.64m
NAD ACEH-BARAT	17:27z	04Sep2018	0.77m
NAD NAGAN-RAYA	18:28z	04Sep2018	0.56m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	18:54z	04Sep2018	0.54m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	18:59z	04Sep2018	0.71m
SUMUT NIAS BAGIAN TIMUR	19:39z	04Sep2018	0.51m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	20:10z	04Sep2018	0.63m
BENGKULU SELUMA	20:13z	04Sep2018	0.71m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	20:22z	04Sep2018	0.55m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	20:32z	04Sep2018	0.60m
JABAR TASIKMALAYA	20:38z	04Sep2018	0.54m
BENGKULU KAUR	20:48z	04Sep2018	0.52m
SUMBAR KOTA-PADANG BAGIAN SELATAN	20:52z	04Sep2018	0.64m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	20:54z	04Sep2018	0.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	21:00z	04Sep2018	0.55m

IRAN

PUSHT	06:12z	04Sep2018	14.84m
BIR	06:13z	04Sep2018	10.06m
MISKI	06:57z	04Sep2018	6.76m

KENYA

KIPINI	12:04z	04Sep2018	1.05m
TAKAUNGU	12:08z	04Sep2018	0.96m
KISIMACHANDE	12:10z	04Sep2018	1.07m
MVULENI	12:31z	04Sep2018	0.91m
MALINDI	14:20z	04Sep2018	0.87m

KIWAYU	14:52z	04Sep2018	0.85m

MADAGASCAR			

GLORIOSO ISLANDS	11:54z	04Sep2018	0.89m
BALY	12:42z	04Sep2018	0.58m
VOHEMAR	12:55z	04Sep2018	0.88m
ANOROTSANGANA	13:35z	04Sep2018	0.93m
TAMPOLO	14:05z	04Sep2018	0.96m
TOAMASINA AIRPORT	14:19z	04Sep2018	0.55m
MANANTENINA	15:18z	04Sep2018	0.55m
FARAFAGANA	15:48z	04Sep2018	0.78m
AMBAHY	18:24z	04Sep2018	0.76m

MALDIVES			

KULHUDUFFUSHI	09:19z	04Sep2018	1.87m
GOIDHOO	09:34z	04Sep2018	2.42m
FERIDHOO	09:47z	04Sep2018	2.70m
NILANDHOO	09:48z	04Sep2018	1.99m
MALE	10:03z	04Sep2018	1.24m
DHIYAMIGILI	10:03z	04Sep2018	1.60m
THINADHOO	10:07z	04Sep2018	2.02m
KOLHUFUSHI	10:12z	04Sep2018	1.05m
HITHADHOO	10:20z	04Sep2018	1.72m

MAURITIUS			

AGALEGA ISLAND	11:42z	04Sep2018	1.09m
GRANDE REVIERE SUD EST-WEST	13:12z	04Sep2018	0.58m
GRANDE REVIERE SUD EST-EAST	13:29z	04Sep2018	1.42m
CARGADOS CARAJOS	13:36z	04Sep2018	0.94m
LA FERME	13:58z	04Sep2018	1.52m

MOZAMBIQUE			

MAGANJA	12:31z	04Sep2018	0.97m
MERONVI	12:35z	04Sep2018	0.85m
TAVARI	12:43z	04Sep2018	0.60m
MECUFI	12:54z	04Sep2018	0.91m
NANGATA	12:56z	04Sep2018	0.68m
MINHAUINE	13:02z	04Sep2018	0.89m
QUITERAJO	13:16z	04Sep2018	0.70m
PEMBA	13:40z	04Sep2018	0.56m
MURREBUE	14:18z	04Sep2018	0.68m
LURIO	18:27z	04Sep2018	0.51m
LUMBO	18:43z	04Sep2018	0.53m

OMAN			

MUSCAT	06:09z	04Sep2018	15.62m
BARKA	06:09z	04Sep2018	12.70m
AL KHABURAH	06:10z	04Sep2018	9.20m
QURAYYAT	06:12z	04Sep2018	17.70m
SUR	06:20z	04Sep2018	15.04m
SOHAR	06:21z	04Sep2018	9.71m
AL ASHKHARAH	06:28z	04Sep2018	7.69m
MASIRAH	06:49z	04Sep2018	3.80m
EAST MUSANDAM	06:50z	04Sep2018	7.43m
RAS AR RUWAYS	06:57z	04Sep2018	4.87m
AD DUQM	07:26z	04Sep2018	3.37m
HASIK	07:47z	04Sep2018	1.80m
AL JAZER	07:48z	04Sep2018	3.90m

MIRBAT	07:51z	04Sep2018	1.32m
TAQAH	08:00z	04Sep2018	1.57m
SALALAH	08:12z	04Sep2018	1.88m

PAKISTAN

ORMARA	06:06z	04Sep2018	9.50m
WINDER	06:54z	04Sep2018	4.43m
SINDH	07:24z	04Sep2018	3.88m
KARACHI	07:26z	04Sep2018	4.76m

SEYCHELLES

FREGATE ISLAND	10:31z	04Sep2018	2.40m
ILE DESROCHES	11:03z	04Sep2018	1.16m
TAKAMAKA	11:29z	04Sep2018	1.82m
ASTOVE ISLAND	11:34z	04Sep2018	0.83m
ALDABRA	11:38z	04Sep2018	0.91m
ALPHONSE ISLAND	11:53z	04Sep2018	0.57m
COETIVY ISLAND	12:22z	04Sep2018	0.95m
FARQUHAR GROUP	12:22z	04Sep2018	0.68m

SOMALIA

TOOXIN	09:09z	04Sep2018	1.86m
ABO	09:12z	04Sep2018	2.25m
QANDALA	09:18z	04Sep2018	1.24m
BANDER-BEYLA	09:23z	04Sep2018	1.72m
HADAAFTIMO	09:32z	04Sep2018	0.88m
EYL	09:40z	04Sep2018	1.84m
BOSASO	09:40z	04Sep2018	1.06m
JARIIBAN	09:53z	04Sep2018	2.58m
GALDOGOB	09:55z	04Sep2018	2.00m
MAYDH	09:58z	04Sep2018	0.95m
KABURA	10:07z	04Sep2018	0.65m
XARARDHEERE	10:16z	04Sep2018	1.97m
CEEL DHEER	10:25z	04Sep2018	1.65m
ITALA	10:28z	04Sep2018	1.08m
MAREEG	10:31z	04Sep2018	1.84m
UARSICIECH	10:38z	04Sep2018	1.26m
MUQDISHO	10:42z	04Sep2018	1.28m
BAKI	10:42z	04Sep2018	0.70m
BEYNAX BARRE	10:50z	04Sep2018	1.27m
SAYLAC	10:52z	04Sep2018	1.09m
BARAAWE	10:59z	04Sep2018	0.85m
LOYADO	11:00z	04Sep2018	1.20m
JILIB	11:14z	04Sep2018	1.16m
TURDHO	11:19z	04Sep2018	1.06m
NE BEERNAASI	11:22z	04Sep2018	1.29m
KAAMBOONI	11:33z	04Sep2018	1.06m

SRI LANKA

COLOMBO	10:40z	04Sep2018	0.79m
BERUWALA	10:51z	04Sep2018	0.86m
AMBALANGODA	10:52z	04Sep2018	1.13m
MORATUWA	10:52z	04Sep2018	0.99m
GALLE	10:57z	04Sep2018	1.04m
MATARA	11:36z	04Sep2018	0.81m
HAMBANTOTA	15:13z	04Sep2018	0.61m
NEGOMBO	15:42z	04Sep2018	0.70m
MANNAR ISLAND	15:56z	04Sep2018	0.68m
TANGALLE	15:58z	04Sep2018	0.59m
MUNDAL LAKE	16:08z	04Sep2018	0.59m

POTTUVIL	16:16z	04Sep2018	0.61m
KIRINDA	17:05z	04Sep2018	0.55m
MUSALI	19:25z	04Sep2018	0.62m

TANZANIA

VUMBI	12:08z	04Sep2018	1.13m
ZANZIBAR	12:15z	04Sep2018	0.68m
KUTANI	12:20z	04Sep2018	0.84m
SONGO SONGO ISLAND	12:22z	04Sep2018	0.88m
VUMBA	12:23z	04Sep2018	0.64m
RUUVU	12:25z	04Sep2018	0.84m
MSASANI	12:28z	04Sep2018	0.79m
MADANGWA	12:29z	04Sep2018	1.31m
BOMALANDNI	12:40z	04Sep2018	1.03m
BAGAMOYO	12:41z	04Sep2018	0.84m
WEST TO KONDE	12:44z	04Sep2018	1.00m
GAZIJA	17:48z	04Sep2018	0.71m
JIMBO	18:02z	04Sep2018	0.76m

UNITED ARAB EMIRATES

KALBA	06:47z	04Sep2018	9.47m
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UNITED KINGDOM

MORESBY ISLAND	11:00z	04Sep2018	1.88m
NW EGMONT ISLAND	11:14z	04Sep2018	1.60m
DIEGO GARCIA	11:34z	04Sep2018	1.66m

YEMEN

DAMQAWT	08:17z	04Sep2018	1.97m
SOCOTRA ISLAND SOUTH	08:17z	04Sep2018	2.30m
AL GHAYDAH AIRPORT	08:31z	04Sep2018	2.10m
SOCOTRA ISLAND NORTH	08:39z	04Sep2018	2.04m
SOCOTRA ISLAND WEST	08:43z	04Sep2018	1.38m
HUSWAYN	08:47z	04Sep2018	2.48m
ALQUMRAH	08:50z	04Sep2018	2.28m
MASILAH WADI	08:59z	04Sep2018	1.86m
HARRAH	09:02z	04Sep2018	2.15m
EAST TO HAMI	09:05z	04Sep2018	1.41m
AL MUKALLA	09:18z	04Sep2018	1.96m
HAMI	09:22z	04Sep2018	1.97m
BROM MAYFA	09:25z	04Sep2018	1.26m
RUDUM	09:46z	04Sep2018	1.03m
AHWAR	09:51z	04Sep2018	0.87m
KHANFAR	10:28z	04Sep2018	1.30m
ADEN	10:32z	04Sep2018	1.06m
MAALLAH	10:38z	04Sep2018	1.07m
QAWAH	11:03z	04Sep2018	0.85m
AL MUALLA	11:34z	04Sep2018	0.96m

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 INDONESIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:
IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>
IOTWMS-TSP INDIA: <http://www.incois.gov.in/Incois/tsunami/eqevents.jsp>

6. CONTACT INFORMATION

IOTWMS-TSP INDONESIA:
THE AGENCY FOR METEOROLOGY CLIMATOLOGY AND GEOPHYSICS (BMKG)
InaTEWS - Indonesian Tsunami Early Warning System
Address: Jl. Angkasa I no.2 Kemayoran, Jakarta, Indonesia, 10720
Tel.: +62 (21) 4246321/6546316
Fax: +62 (21) 6546316/4246703
P.O. Box 3540 Jakarta
Website: <http://rtsp.bmkg.go.id/publicbull.php>
<http://www.bmkg.go.id>
<http://inatews.bmkg.go.id>
E-Mail: inartsp@bmkg.go.id
monitrtp@bmkg.go.id

END OF BULLETIN

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST

BULLETIN 12

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20180904-1500-012

TSUNAMI BULLETIN NUMBER 12 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 1500 UTC, Tuesday, 04 September 2018

... 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. EARTHQUAKE INFORMATION (updated)

IOTWMS-TSP INDONESIA has detected an earthquake with the following details:

Magnitude : 9.0 Mw
Depth : 10km
Date : 04 Sep 2018
Origin Time: 06:00:00 UTC
Latitude : 24.80N
Longitude : 58.20E
Location : Gulf of Oman

2. EVALUATION

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

LOCATION	COUNTRIES	LAT	LON	AMPL (m)	TIME (UTC)	DATE
Gwadar	PAKISTAN	25.11N	62.33E	7.10	6:10	Sep 04, 2018
Chabahar	IRAN	25.29N	60.60E	5.72	6:19	Sep 04, 2018
Muscat	OMAN	23.63N	58.56E	5.48	6:23	Sep 04, 2018
Majis	OMAN	24.51N	56.60E	6.50	6:40	Sep 04, 2018
Khawr Wudam	OMAN	23.82N	57.52E	8.00	6:45	Sep 04, 2018
Masirah	OMAN	20.68N	58.86E	1.78	7:15	Sep 04, 2018
Salalah	OMAN	16.93N	54.00E	0.75	8:38	Sep 04, 2018
Ormara	PAKISTAN	25.20N	64.67E	3.32	8:47	Sep 04, 2018
Veeraval	INDIA	20.90N	70.36E	2.00	9:10	Sep 04, 2018
Minicoy	INDIA	8.28N	73.05E	0.38	9:33	Sep 04, 2018
Hanimadhoo	MALDIVES	6.76N	73.16E	0.54	10:16	Sep 04, 2018
Gan	MALDIVES	0.68S	73.15E	0.68	10:34	Sep 04, 2018
Aden	YEMEN	12.78N	44.97E	0.71	11:04	Sep 04, 2018
Colombo	SRI LANKA	6.95N	79.85E	0.36	11:30	Sep 04, 2018
Male	MALDIVES	4.19N	73.52E	0.40	11:39	Sep 04, 2018
Djibouti	DJIBOUTI	11.60N	43.16E	1.00	11:40	Sep 04, 2018
Pt_LaRue	SEYCHELLES	4.50S	55.50E	1.82	11:54	Sep 04, 2018
Agalega	MAURITIUS	10.34S	56.58E	0.29	12:05	Sep 04, 2018
Karachi	PAKISTAN	24.81N	66.97E	1.78	13:01	Sep 04, 2018
Mombasa	KENYA	4.06S	39.65E	0.25	13:19	Sep 04, 2018
Mtwara	TANZANIA	10.26S	40.20E	0.22	13:24	Sep 04, 2018
Pt_Louis	MAURITIUS	20.15S	57.50E	0.51	13:28	Sep 04, 2018
Sainte_Marie	REUNION ISLA	20.89S	55.53E	0.55	13:33	Sep 04, 2018
Cochin	INDIA	9.96N	76.26E	1.34	13:36	Sep 04, 2018
Cocos_Island	AUSTRALIA	12.11S	96.89E	0.30	14:22	Sep 04, 2018
Lamu	KENYA	2.26S	40.90E	0.49	14:28	Sep 04, 2018
Rodrigues	MAURITIUS	19.68S	63.42E	0.55	14:42	Sep 04, 2018
Seblat	INDONESIA	3.22S	101.59E	0.20	14:43	Sep 04, 2018
Enggano	INDONESIA	5.34S	102.27E	0.14	14:51	Sep 04, 2018

Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

The list below shows the forecast arrival time of the first wave estimated to exceed 0.5m amplitude at the beach in each zone (or a different threshold nominated by an NTWC), and the amplitude of the maximum beach wave predicted for the zone. Zones where the estimated wave amplitudes are less than the threshold amplitude at the beach are not shown.

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.

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. 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

GASCOYNE COAST	17:37z 04Sep2018	0.57m
HEARD ISLAND AND MCDONALD ISLANDS	19:56z 04Sep2018	1.64m
AURORA BANK	20:12z 04Sep2018	0.88m

COMOROS

CHEZANI	12:09z 04Sep2018	1.10m
BAMBAO	12:09z 04Sep2018	0.96m
DZAOUDZI	12:20z 04Sep2018	1.20m
FOMBONI	12:41z 04Sep2018	1.17m

DJIBOUTI

MUHAMMAD ALI BIN FATHA SUMANA	10:57z 04Sep2018	0.91m
NW ARTA	11:08z 04Sep2018	1.30m

FRANCE

ILE SAINT-PAUL-NORTH	16:21z 04Sep2018	0.75m
ILE SAINT-PAUL-SOUTH	16:40z 04Sep2018	0.59m
ILE DE LA POSSESSION	17:19z 04Sep2018	0.71m
CROZET PLATEAU	18:41z 04Sep2018	0.98m
ILE KERGUELEN	18:53z 04Sep2018	1.39m

INDIA

MANDVI	07:57z 04Sep2018	2.59m
PORBANDAR	08:01z 04Sep2018	2.27m
DWARKA	08:08z 04Sep2018	2.78m
JAMNAGAR	08:10z 04Sep2018	2.10m
MANGROL	08:17z 04Sep2018	2.38m
AGATTI	08:44z 04Sep2018	3.01m
KAVARATTI	08:56z 04Sep2018	1.38m
AMINI	09:00z 04Sep2018	3.25m
MALVAN BAY	09:00z 04Sep2018	1.81m
MINICOY	09:10z 04Sep2018	1.87m
PANAJI	09:11z 04Sep2018	1.97m
ANDROTH	09:13z 04Sep2018	2.24m
JAIGARH	09:15z 04Sep2018	1.97m
VASCO	09:16z 04Sep2018	2.33m

HAZIRA, DIU	09:38z	04Sep2018	2.35m
KARWAR	09:39z	04Sep2018	2.31m
MANGALORE	09:47z	04Sep2018	1.92m
KASARAGOD	09:51z	04Sep2018	2.14m
ALIBAG PORT	09:54z	04Sep2018	1.76m
ALLEPPEY ALAPPUZHA	09:54z	04Sep2018	1.66m
MUMBAI	09:55z	04Sep2018	2.71m
PIPAVAV	09:56z	04Sep2018	2.57m
MAHE	09:56z	04Sep2018	1.60m
UDUPI	09:57z	04Sep2018	2.29m
KANNUR	09:58z	04Sep2018	2.24m
MAHUVA	09:59z	04Sep2018	2.50m
QUILON	10:02z	04Sep2018	1.65m
VADANAPPALLY	10:03z	04Sep2018	1.89m
VAKKAD	10:03z	04Sep2018	2.21m
KHAMBAT	10:04z	04Sep2018	2.45m
BEYPORE	10:06z	04Sep2018	1.92m
COCHIN	10:08z	04Sep2018	1.83m
BHARUCH	10:10z	04Sep2018	2.00m
TRIVANDRUM	10:17z	04Sep2018	1.40m
HAZIRA	10:18z	04Sep2018	2.24m
BORSI	10:22z	04Sep2018	1.59m
TARAPUR	10:36z	04Sep2018	2.16m
DAMAN	10:43z	04Sep2018	2.37m
KANYAKUMARI	10:59z	04Sep2018	1.34m
KOODANKULAM	11:03z	04Sep2018	1.48m
KOTTTAIPPATTANAM	11:20z	04Sep2018	0.84m
TUTICORIN	20:12z	04Sep2018	0.75m
RAMESWARAM	20:23z	04Sep2018	0.56m
KOMATRA AND KATCHAL ISLAND	20:54z	04Sep2018	0.55m

INDONESIA

SUMUT NIAS BAGIAN BARAT	13:35z	04Sep2018	0.76m
SUMUT NIAS-SELATAN PULAU NIAS	14:04z	04Sep2018	0.68m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	15:12z	04Sep2018	0.64m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	15:19z	04Sep2018	0.54m
NAD ACEH-BESAR PULAU PENAS	15:33z	04Sep2018	0.90m
SUMUT NIAS-SELATAN PULAU TANABALA	15:40z	04Sep2018	0.50m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	16:32z	04Sep2018	0.55m
NAD ACEH-JAYA	17:07z	04Sep2018	0.68m
NAD ACEH-BESAR BAGIAN BARAT	17:08z	04Sep2018	1.52m
LAMPUNG TANGGAMUS BAGIAN BARAT	17:12z	04Sep2018	0.64m
NAD ACEH-BARAT	17:27z	04Sep2018	0.77m
NAD NAGAN-RAYA	18:28z	04Sep2018	0.56m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	18:54z	04Sep2018	0.54m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	18:59z	04Sep2018	0.71m
SUMUT NIAS BAGIAN TIMUR	19:39z	04Sep2018	0.51m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	20:10z	04Sep2018	0.63m
BENGKULU SELUMA	20:13z	04Sep2018	0.71m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	20:22z	04Sep2018	0.55m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	20:32z	04Sep2018	0.60m
JABAR TASIKMALAYA	20:38z	04Sep2018	0.54m
BENGKULU KAUR	20:48z	04Sep2018	0.52m
SUMBAR KOTA-PADANG BAGIAN SELATAN	20:52z	04Sep2018	0.64m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	20:54z	04Sep2018	0.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	21:00z	04Sep2018	0.55m

IRAN

PUSHT	06:12z	04Sep2018	14.84m
BIR	06:13z	04Sep2018	10.06m
MISKI	06:57z	04Sep2018	6.76m

KENYA

KIPINI	12:04z	04Sep2018	1.05m
TAKAUNGU	12:08z	04Sep2018	0.96m
KISIMACHANDE	12:10z	04Sep2018	1.07m
MVULENI	12:31z	04Sep2018	0.91m
MALINDI	14:20z	04Sep2018	0.87m
KIWAYU	14:52z	04Sep2018	0.85m

MADAGASCAR

GLORIOSO ISLANDS	11:54z	04Sep2018	0.89m
BALY	12:42z	04Sep2018	0.58m
VOHEMAR	12:55z	04Sep2018	0.88m
ANOROTSANGANA	13:35z	04Sep2018	0.93m
TAMPOLO	14:05z	04Sep2018	0.96m
TOAMASINA AIRPORT	14:19z	04Sep2018	0.55m
MANANTENINA	15:18z	04Sep2018	0.55m
FARAFAGANA	15:48z	04Sep2018	0.78m
AMBAHY	18:24z	04Sep2018	0.76m

MALDIVES

KULHUDUFFUSHI	09:19z	04Sep2018	1.87m
GOIDHOO	09:34z	04Sep2018	2.42m
FERIDHOO	09:47z	04Sep2018	2.70m
NILANDHOO	09:48z	04Sep2018	1.99m
MALE	10:03z	04Sep2018	1.24m
DHIYAMIGILI	10:03z	04Sep2018	1.60m
THINADHOO	10:07z	04Sep2018	2.02m
KOLHUFUSHI	10:12z	04Sep2018	1.05m
HITHADHOO	10:20z	04Sep2018	1.72m

MAURITIUS

AGALEGA ISLAND	11:42z	04Sep2018	1.09m
GRANDE REVIERE SUD EST-WEST	13:12z	04Sep2018	0.58m
GRANDE REVIERE SUD EST-EAST	13:29z	04Sep2018	1.42m
CARGADOS CARAJOS	13:36z	04Sep2018	0.94m
LA FERME	13:58z	04Sep2018	1.52m

MOZAMBIQUE

MAGANJA	12:31z	04Sep2018	0.97m
MERONVI	12:35z	04Sep2018	0.85m
TAVARI	12:43z	04Sep2018	0.60m
MECUFI	12:54z	04Sep2018	0.91m
NANGATA	12:56z	04Sep2018	0.68m
MINHAUINE	13:02z	04Sep2018	0.89m
QUITERAJO	13:16z	04Sep2018	0.70m
PEMBA	13:40z	04Sep2018	0.56m
MURREBUE	14:18z	04Sep2018	0.68m
LURIO	18:27z	04Sep2018	0.51m
LUMBO	18:43z	04Sep2018	0.53m

OMAN

MUSCAT	06:09z	04Sep2018	15.62m
BARKA	06:09z	04Sep2018	12.70m
AL KHABURAH	06:10z	04Sep2018	9.20m
QURAYYAT	06:12z	04Sep2018	17.70m
SUR	06:20z	04Sep2018	15.04m
SOHAR	06:21z	04Sep2018	9.71m
AL ASHKHARAH	06:28z	04Sep2018	7.69m

MASIRAH	06:49z	04Sep2018	3.80m
EAST MUSANDAM	06:50z	04Sep2018	7.43m
RAS AR RUWAYS	06:57z	04Sep2018	4.87m
AD DUQM	07:26z	04Sep2018	3.37m
HASIK	07:47z	04Sep2018	1.80m
AL JAZER	07:48z	04Sep2018	3.90m
MIRBAT	07:51z	04Sep2018	1.32m
TAQAH	08:00z	04Sep2018	1.57m
SALALAH	08:12z	04Sep2018	1.88m

PAKISTAN

ORMARA	06:06z	04Sep2018	9.50m
WINDER	06:54z	04Sep2018	4.43m
SINDH	07:24z	04Sep2018	3.88m
KARACHI	07:26z	04Sep2018	4.76m

SEYCHELLES

FREGATE ISLAND	10:31z	04Sep2018	2.40m
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SOMALIA

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BAKI	10:42z	04Sep2018	0.70m
BEYNAX BARRE	10:50z	04Sep2018	1.27m
SAYLAC	10:52z	04Sep2018	1.09m
BARAAWE	10:59z	04Sep2018	0.85m
LOYADO	11:00z	04Sep2018	1.20m
JILIB	11:14z	04Sep2018	1.16m
TURDHO	11:19z	04Sep2018	1.06m
NE BEERNAASI	11:22z	04Sep2018	1.29m
KAAMBOONI	11:33z	04Sep2018	1.06m

SRI LANKA

COLOMBO	10:40z	04Sep2018	0.79m
BERUWALA	10:51z	04Sep2018	0.86m
AMBALANGODA	10:52z	04Sep2018	1.13m
MORATUWA	10:52z	04Sep2018	0.99m
GALLE	10:57z	04Sep2018	1.04m

MATARA	11:36z	04Sep2018	0.81m
HAMBANTOTA	15:13z	04Sep2018	0.61m
NEGOMBO	15:42z	04Sep2018	0.70m
MANNAR ISLAND	15:56z	04Sep2018	0.68m
TANGALLE	15:58z	04Sep2018	0.59m
MUNDAL LAKE	16:08z	04Sep2018	0.59m
POTTUVIL	16:16z	04Sep2018	0.61m
KIRINDA	17:05z	04Sep2018	0.55m
MUSALI	19:25z	04Sep2018	0.62m

TANZANIA

VUMBI	12:08z	04Sep2018	1.13m
ZANZIBAR	12:15z	04Sep2018	0.68m
KUTANI	12:20z	04Sep2018	0.84m
SONGO SONGO ISLAND	12:22z	04Sep2018	0.88m
VUMBA	12:23z	04Sep2018	0.64m
RUUVU	12:25z	04Sep2018	0.84m
MSASANI	12:28z	04Sep2018	0.79m
MADANGWA	12:29z	04Sep2018	1.31m
BOMALANDNI	12:40z	04Sep2018	1.03m
BAGAMOYO	12:41z	04Sep2018	0.84m
WEST TO KONDE	12:44z	04Sep2018	1.00m
GAZIJA	17:48z	04Sep2018	0.71m
JIMBO	18:02z	04Sep2018	0.76m

UNITED ARAB EMIRATES

KALBA	06:47z	04Sep2018	9.47m
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UNITED KINGDOM

MORESBY ISLAND	11:00z	04Sep2018	1.88m
NW EGMONT ISLAND	11:14z	04Sep2018	1.60m
DIEGO GARCIA	11:34z	04Sep2018	1.66m

YEMEN

DAMQAWT	08:17z	04Sep2018	1.97m
SOCOTRA ISLAND SOUTH	08:17z	04Sep2018	2.30m
AL GHAYDAH AIRPORT	08:31z	04Sep2018	2.10m
SOCOTRA ISLAND NORTH	08:39z	04Sep2018	2.04m
SOCOTRA ISLAND WEST	08:43z	04Sep2018	1.38m
HUSWAYN	08:47z	04Sep2018	2.48m
ALQUMRAH	08:50z	04Sep2018	2.28m
MASILAH WADI	08:59z	04Sep2018	1.86m
HARRAH	09:02z	04Sep2018	2.15m
EAST TO HAMI	09:05z	04Sep2018	1.41m
AL MUKALLA	09:18z	04Sep2018	1.96m
HAMI	09:22z	04Sep2018	1.97m
BROM MAYFA	09:25z	04Sep2018	1.26m
RUDUM	09:46z	04Sep2018	1.03m
AHWAR	09:51z	04Sep2018	0.87m
KHANFAR	10:28z	04Sep2018	1.30m
ADEN	10:32z	04Sep2018	1.06m
MAALLAH	10:38z	04Sep2018	1.07m
QAWAH	11:03z	04Sep2018	0.85m
AL MUALLA	11:34z	04Sep2018	0.96m

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 INDONESIA for this event as more information becomes available.

Other IOTWMS-TSPs may issue additional information at:

IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>

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

6. CONTACT INFORMATION

IOTWMS-TSP INDONESIA:

THE AGENCY FOR METEOROLOGY CLIMATOLOGY AND GEOPHYSICS (BMKG)

InaTEWS - Indonesian Tsunami Early Warning System

Address: Jl. Angkasa I no.2 Kemayoran, Jakarta, Indonesia, 10720

Tel.: +62 (21) 4246321/6546316

Fax: +62 (21) 6546316/4246703

P.O. Box 3540 Jakarta

Website: <http://rtsp.bmkg.go.id/publicbull.php>

<http://www.bmkg.go.id>

<http://inatews.bmkg.go.id>

E-Mail: inartsp@bmkg.go.id

monitrtwp@bmkg.go.id

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BULLETIN 13

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TSP-InaTEWS-20180904-1700-013

TSUNAMI BULLETIN NUMBER 13 (TYPE-IV FINAL BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 1700 UTC, Tuesday, 04 September 2018

... FINAL TSUNAMI BULLETIN FOR 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. EARTHQUAKE INFORMATION

IOTWMS-TSP INDONESIA detected an earthquake with the following details:

Magnitude : 9.0 Mw
Depth : 10km
Date : 04 Sep 2018
Origin Time: 06:00:00 UTC
Latitude : 24.80N
Longitude : 58.20E
Location : Gulf of Oman

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 INDONESIA 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.

LOCATION	COUNTRIES	LAT	LON	AMPL(m)	TIME(UTC)	DATE
Gwadar	PAKISTAN	25.11N	62.33E	7.10	6:10	Sep 04, 2018
Chabahar	IRAN	25.29N	60.60E	5.72	6:19	Sep 04, 2018
Muscat	OMAN	23.63N	58.56E	5.48	6:23	Sep 04, 2018
Majis	OMAN	24.51N	56.60E	6.50	6:40	Sep 04, 2018
Khawr Wudam	OMAN	23.82N	57.52E	8.00	6:45	Sep 04, 2018
Masirah	OMAN	20.68N	58.86E	1.78	7:15	Sep 04, 2018
Salalah	OMAN	16.93N	54.00E	0.75	8:38	Sep 04, 2018
Ormara	PAKISTAN	25.20N	64.67E	3.32	8:47	Sep 04, 2018
Veeraval	INDIA	20.90N	70.36E	2.00	9:10	Sep 04, 2018
Minicoy	INDIA	8.28N	73.05E	0.38	9:33	Sep 04, 2018
Hanimadhoo	MALDIVES	6.76N	73.16E	0.54	10:16	Sep 04, 2018
Gan	MALDIVES	0.68S	73.15E	0.68	10:34	Sep 04, 2018
Aden	YEMEN	12.78N	44.97E	0.71	11:04	Sep 04, 2018
Colombo	SRI LANKA	6.95N	79.85E	0.36	11:30	Sep 04, 2018
Male	MALDIVES	4.19N	73.52E	0.40	11:39	Sep 04, 2018
Djibouti	DJIBOUTI	11.60N	43.16E	1.00	11:40	Sep 04, 2018
Pt LaRue	SEYCHELLES	4.50S	55.50E	1.82	11:54	Sep 04, 2018
Agalega	MAURITIUS	10.34S	56.58E	0.29	12:05	Sep 04, 2018
Karachi	PAKISTAN	24.81N	66.97E	1.78	13:01	Sep 04, 2018
Mombasa	KENYA	4.06S	39.65E	0.25	13:19	Sep 04, 2018
Mtwara	TANZANIA	10.26S	40.20E	0.22	13:24	Sep 04, 2018
Pt_Louis	MAURITIUS	20.15S	57.50E	0.51	13:28	Sep 04, 2018

Sainte_Marie	REUNION ISLA	20.89S	55.53E	0.55	13:33	Sep 04, 2018
Cochin	INDIA	9.96N	76.26E	1.34	13:36	Sep 04, 2018
Cocos_Island	AUSTRALIA	12.11S	96.89E	0.30	14:22	Sep 04, 2018
Lamu	KENYA	2.26S	40.90E	0.49	14:28	Sep 04, 2018
Rodrigues	MAURITIUS	19.68S	63.42E	0.55	14:42	Sep 04, 2018
Seblat	INDONESIA	3.22S	101.59E	0.20	14:43	Sep 04, 2018
Enggano	INDONESIA	5.34S	102.27E	0.14	14:51	Sep 04, 2018

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 INDONESIA for this event unless additional information becomes available.

Other IOTWMS-TSPs may issue additional information at:

IOTWMS-TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsp/>

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E-Mail: inartsp@bmkg.go.id

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