



EXERCISE INDIAN OCEAN WAVE 18

An Indian Ocean-wide Tsunami Warning and Communications Exercise

4–5 September 2018

Volume 1

Exercise Manual

**Supplement 2
TSP Bulletins for Scenario 2: Sunda Trench**

EXERCISE INDIAN OCEAN WAVE 18

An Indian Ocean-wide Tsunami Warning and Communications Exercise

4–5 September 2018

Volume 1

Exercise Manual

**Supplement 2
TSP Bulletins for Scenario 2: Sunda Trench**

UNESCO 2018

IOC Technical Series, 138 Vol.1 Supplement 2
Perth/Paris, April 2018
English only

The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of the Secretariats of UNESCO and IOC concerning the legal status of any country or territory, or its authorities, or concerning the delimitation of the frontiers of any country or territory.

For bibliographic purposes, this document should be cited as follows:

Intergovernmental Oceanographic Commission of UNESCO. 2018. *Exercise Indian Ocean Wave 2018: An Indian Ocean-wide Tsunami Warning and Communication Exercise, 4–5 September 2018. Volume 1: Exercise Manual. Supplement 2: TSP Bulletins for Scenario 2 Sunda Trench*. IOC Technical Series No. 138, Vol. 1. (English only)

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

© UNESCO 2018

(IOC/2018/TS/138Vol.1 Supp.2)

TABLE OF CONTENTS

	page
INTRODUCTION.....	1
1. TSP AUSTRALIA MAPS.....	2
2. TSP AUSTRALIA BULLETINS.....	5
BULLETIN 1.....	5
BULLETIN 2.....	6
BULLETIN 3.....	10
BULLETIN 4.....	18
BULLETIN 5.....	27
BULLETIN 6.....	36
BULLETIN 7.....	45
BULLETIN 8.....	54
BULLETIN 9.....	63
BULLETIN 10.....	73
BULLETIN 11.....	83
BULLETIN 12.....	93
BULLETIN 13.....	103
BULLETIN 14.....	113
BULLETIN 15.....	123
BULLETIN 16.....	133
3. TSP INDIA MAPS.....	135
4. TSP INDIA BULLETINS.....	137
BULLETIN 1.....	137
BULLETIN 2.....	139
BULLETIN 3.....	147
BULLETIN 4.....	159
BULLETIN 5.....	171
BULLETIN 6.....	183
BULLETIN 7.....	195
BULLETIN 8.....	207
BULLETIN 9.....	219
BULLETIN 10.....	231
BULLETIN 11.....	243
BULLETIN 12.....	255
BULLETIN 13.....	267

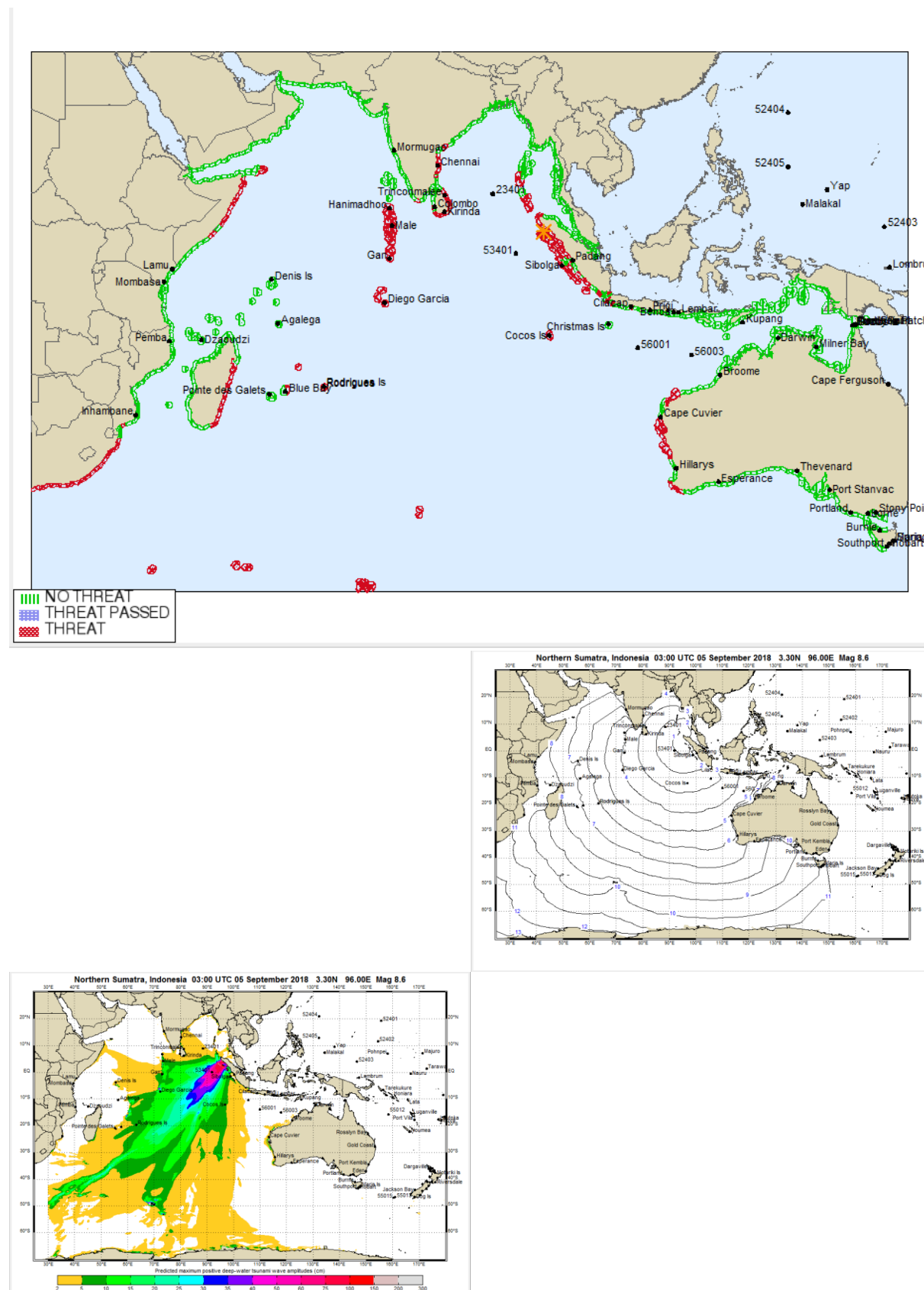
	BULLETIN 14.....	279
	BULLETIN 15.....	291
5.	TSP INDONESIA MAPS	294
6.	TSP INDONESIA BULLETINS.....	297
	BULLETIN 1.....	297
	BULLETIN 2.....	299
	BULLETIN 3.....	306
	BULLETIN 4.....	317
	BULLETIN 5.....	328
	BULLETIN 6.....	339
	BULLETIN 7.....	350
	BULLETIN 8.....	361
	BULLETIN 9.....	372
	BULLETIN 10.....	383
	BULLETIN 11.....	394
	BULLETIN 12.....	405
	BULLETIN 13.....	416

INTRODUCTION

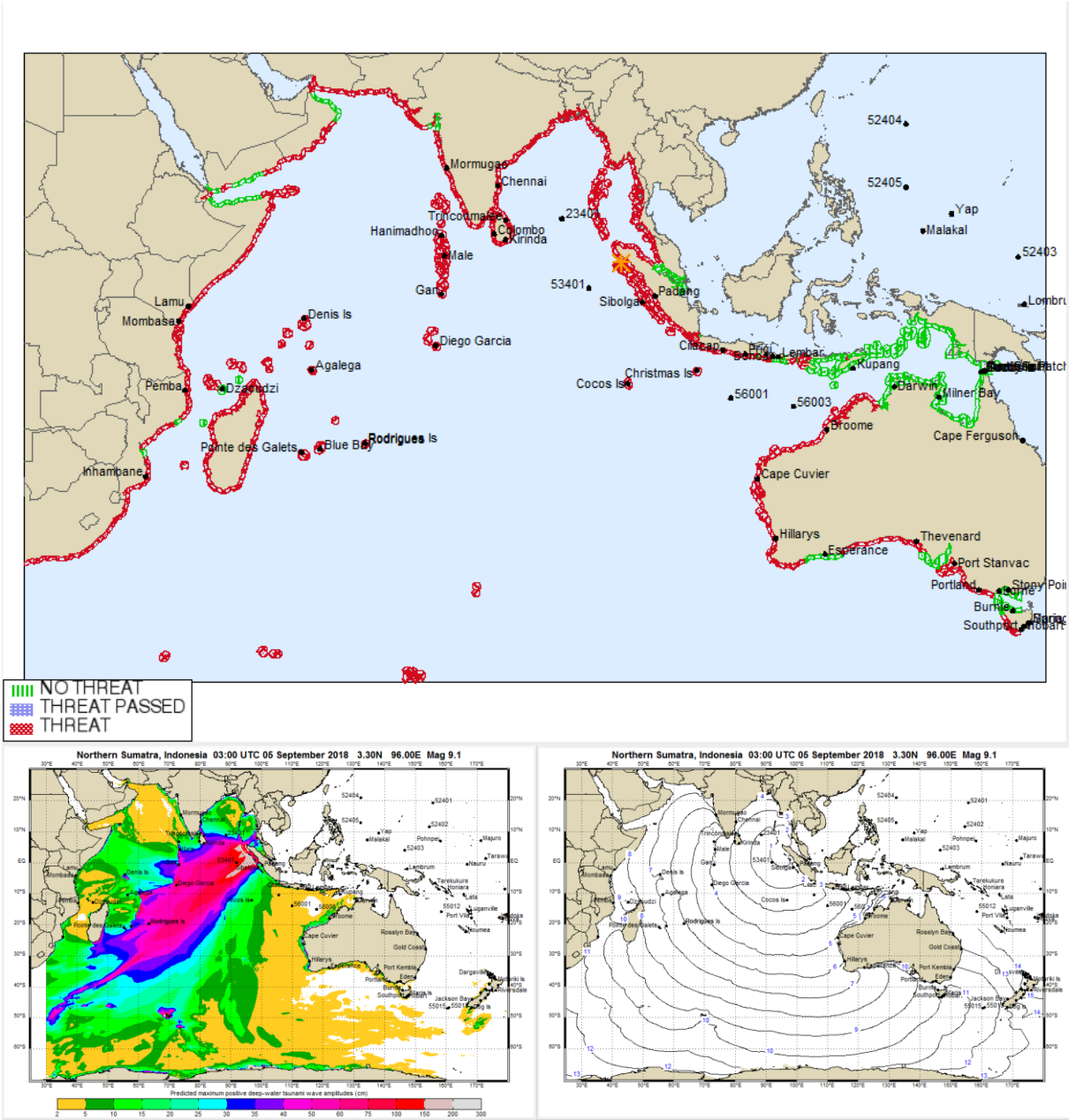
This document contains all of the Tsunami Service Provider (TSP) products generated in advance of the Sunda trench scenario of Exercise Indian Ocean Wave 2018 to be conducted on 5 September 2018.

1. TSP AUSTRALIA MAPS

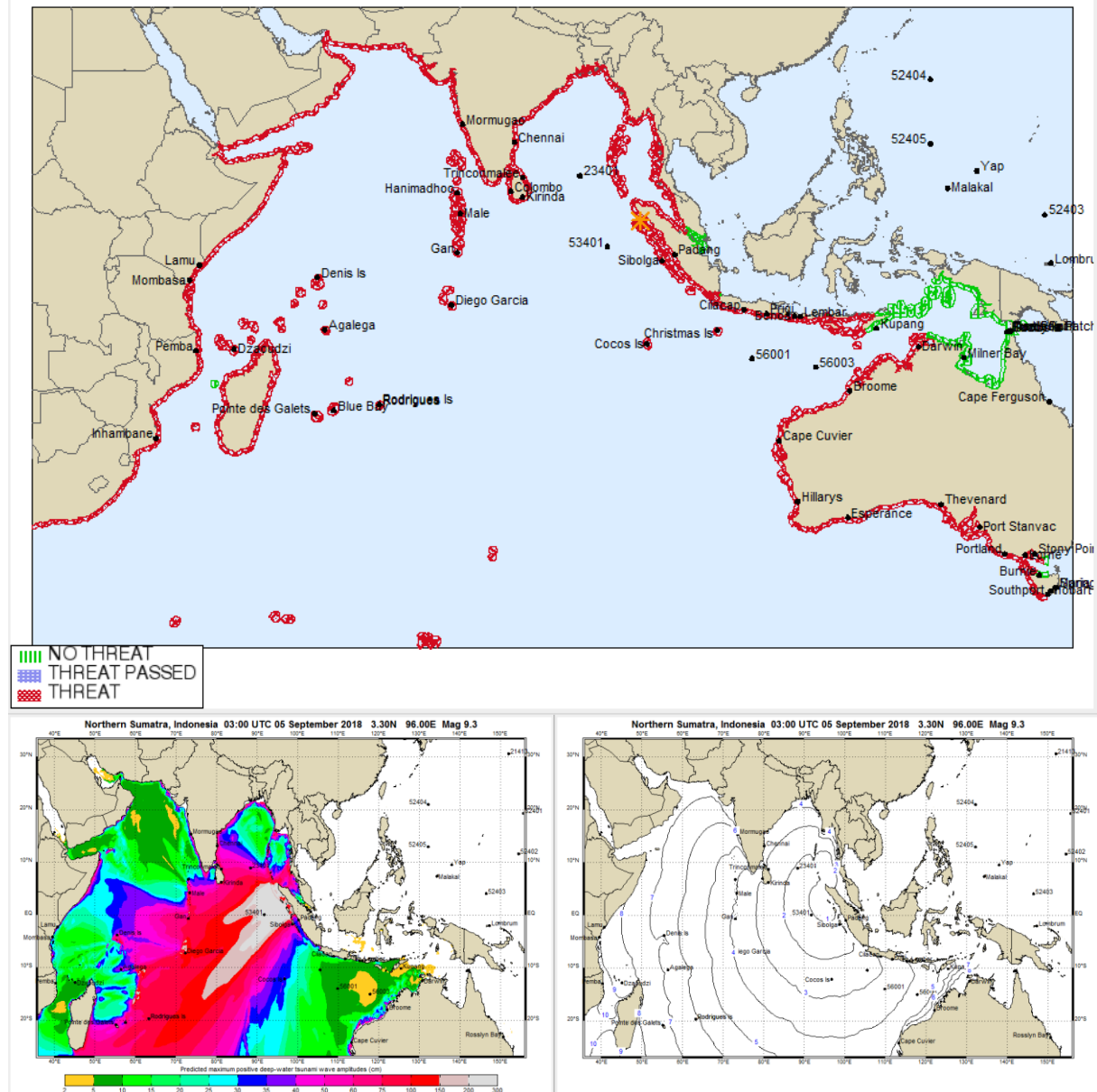
M8.6



M9.1



M9.3



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 0309 UTC Wednesday 05 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: 8.6 Mwp
Depth: 10km
Date: 05 Sep 2018
Origin Time: 0300 UTC
Latitude: 3.30N
Longitude: 96.00E
Location: Northern Sumatra, Indonesia

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

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

#####

TSUNAMI BULLETIN NUMBER 2 (TYPE-II THREAT ASSESSMENT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)
ISSUED AT 0310 UTC Wednesday 05 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: 8.6 Mwp
Depth: 10km
Date: 05 Sep 2018
Origin Time: 0300 UTC
Latitude: 3.30N
Longitude: 96.00E
Location: Northern Sumatra, Indonesia

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.

AUSTRALIA		
COCOS ISLAND	0502Z 05Sep2018	0.82m
GASCOYNE COAST	0838Z 05Sep2018	0.78m
PILBARA COAST WEST	0952Z 05Sep2018	0.75m
LEEUEWIN COAST	1018Z 05Sep2018	0.64m
GERALDTON COAST	1124Z 05Sep2018	0.55m
HEARD ISLAND AND MCDONALD ISLANDS	1256Z 05Sep2018	1.85m
AURORA BANK	1306Z 05Sep2018	1.38m

FRANCE		
LLE SAINT-PAUL-NORTH	0938Z 05Sep2018	0.91m

LLE SAINT-PAUL-SOUTH	0950Z	05Sep2018	1.25m
ILE KERGUELEN	1208Z	05Sep2018	1.39m
ILE DE LA POSSESSION	1214Z	05Sep2018	0.96m
NES CROZET	1216Z	05Sep2018	0.60m
CROZET PLATEAU	1224Z	05Sep2018	0.95m
INDIA			
INDIRA POINT	0344Z	05Sep2018	2.54m
KOMATRA & KATCHAL ISLAND	0408Z	05Sep2018	1.14m
MARAKKANAM	0544Z	05Sep2018	0.83m
MAHABALIPURAM	0550Z	05Sep2018	0.59m
CHENNAI	0550Z	05Sep2018	0.59m
SRIHARIKOTA	0556Z	05Sep2018	0.55m
CUDDALORE	0556Z	05Sep2018	0.58m
MACHILIPATNAM	0604Z	05Sep2018	0.55m
LITTLE ANDAMAN	0636Z	05Sep2018	0.52m
PERUPALEM	0826Z	05Sep2018	0.50m
KANYAKUMARI	0854Z	05Sep2018	0.58m
NORTH SENTINEL ISLAND	1004Z	05Sep2018	0.56m
ENNORE	2212Z	05Sep2018	0.72m
INDONESIA			
NAD SIMEULUE P.SIMEULUE	0300Z	05Sep2018	8.18m
NAD ACEH-SINGKIL KEP.BANYAK	0312Z	05Sep2018	4.65m
SUMUT NIAS B	0312Z	05Sep2018	3.20m
GUNUNGSITOLI	0316Z	05Sep2018	1.35m
SUMUT NIAS-SELATAN P.NIAS	0322Z	05Sep2018	2.61m
NAD ACEH-JAYA	0324Z	05Sep2018	8.55m
NAD ACEH-BESAR B	0328Z	05Sep2018	2.56m
NAD ACEH-BESAR P.PENASI	0332Z	05Sep2018	2.12m
NAD ACEH-SELATAN S	0332Z	05Sep2018	3.45m
SUMUT NIAS-SELATAN P.TANAHMASA	0334Z	05Sep2018	1.62m
NAD ACEH-BESAR P.BREUEH	0334Z	05Sep2018	2.37m
NAD ACEH-BARAT	0334Z	05Sep2018	10.70m
NAD NAGAN-RAYA	0334Z	05Sep2018	6.82m
NAD ACEH-SELATAN U	0336Z	05Sep2018	4.49m
NAD ACEH-SINGKIL	0336Z	05Sep2018	1.13m
SUMUT NIAS-SELATAN P.TANABALA	0336Z	05Sep2018	1.86m
NAD KOTA-BANDA-ACEH	0338Z	05Sep2018	1.23m
NAD ACEH-BARAT-DAYA	0340Z	05Sep2018	7.79m
NAD KOTA-SABANG P.WEH	0342Z	05Sep2018	0.97m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0342Z	05Sep2018	1.28m
NIAS	0348Z	05Sep2018	1.01m
NIAS-NORTH	0350Z	05Sep2018	0.75m
SOUTH OF BODAHAYIONE	0350Z	05Sep2018	0.76m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0354Z	05Sep2018	0.83m
SUMUT TAPANULI-TENGAH U	0356Z	05Sep2018	1.15m
MUARASIBERUT	0356Z	05Sep2018	0.66m
NAD ACEH-BESAR U	0358Z	05Sep2018	0.74m
SUMUT MANDAILING-NATAL U	0358Z	05Sep2018	1.22m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0402Z	05Sep2018	1.17m
NIAS-EAST	0404Z	05Sep2018	1.60m
SUMUT TAPANULI-SELATAN	0420Z	05Sep2018	1.62m
SUMUT TAPANULI-TENGAH S	0426Z	05Sep2018	1.70m
SUMUT MANDAILING-NATAL S	0452Z	05Sep2018	0.63m
BENGKULU MUKOMUKO	0452Z	05Sep2018	0.51m
BENGKULU BENGKULU-UTARA S	0500Z	05Sep2018	0.69m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0506Z	05Sep2018	0.64m
BENGKULU SELUMA	0508Z	05Sep2018	1.22m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0508Z	05Sep2018	0.52m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0526Z	05Sep2018	0.93m
BENGKULU BENGKULU-UTARA P.ENGGANO	0534Z	05Sep2018	0.53m
JABAR SUKABUMI PELABUHAN-RATU	0534Z	05Sep2018	2.93m
SUMBAR KOTA-PADANG S	0538Z	05Sep2018	0.70m
SUMBAR KOTA-PADANG U	0538Z	05Sep2018	0.68m
SUMBAR KOTA-PADANG U	0538Z	05Sep2018	0.80m
SUMBAR AGAM	0540Z	05Sep2018	0.59m
BANTEN PANDEGLANG S	0638Z	05Sep2018	0.52m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0642Z	05Sep2018	0.65m
BENGKULU BENGKULU-SELATAN	0654Z	05Sep2018	0.74m
BANTEN PANDEGLANG U	0712Z	05Sep2018	0.65m
JATENG CILACAP	0736Z	05Sep2018	0.60m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0802Z	05Sep2018	0.55m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	1134Z	05Sep2018	0.51m
MADAGASCAR			
AMBAHY	1106Z	05Sep2018	1.04m

IOC Technical Series, 138 (I) Supplement 2
page 8

MANANTENINA	1112Z	05Sep2018	0.79m
FARAFAGANA	1112Z	05Sep2018	0.88m
TAMPOLO	1200Z	05Sep2018	0.51m
TOAMASINA AIRPORT	1214Z	05Sep2018	0.52m

MALDIVES

THINADHOO	0614Z	05Sep2018	1.20m
DHIYAMIGILI	0616Z	05Sep2018	1.24m
KOLHUFUSHI	0616Z	05Sep2018	1.13m
HITHADHOO	0618Z	05Sep2018	1.04m
MALE	0620Z	05Sep2018	1.23m
KULHUDUFFUSHI	0624Z	05Sep2018	1.15m
NILANDHOO	0640Z	05Sep2018	1.53m
GOIDHOO	0640Z	05Sep2018	0.87m
FERIDHOO	0656Z	05Sep2018	0.61m

MAURITIUS

LA FERME	0842Z	05Sep2018	1.58m
CARGADOS CARAJOS	0916Z	05Sep2018	1.45m
GRANDE REVIERE SUD EST-EAST	0930Z	05Sep2018	0.63m

MOZAMBIQUE

XAI-XAI	1446Z	05Sep2018	0.55m
---------	-------	-----------	-------

SOMALIA

BANDER-BEYLA	1016Z	05Sep2018	0.67m
EYL	1026Z	05Sep2018	0.60m
TOOXIN	1120Z	05Sep2018	0.62m
MAREEG	1136Z	05Sep2018	0.51m
XARARDHEERE	1140Z	05Sep2018	0.68m
JARIIBAN	1146Z	05Sep2018	0.59m
GALDOGOB	1146Z	05Sep2018	0.51m
ITALA	1150Z	05Sep2018	0.53m

SOUTH AFRICA

MARGATE	1414Z	05Sep2018	1.15m
BIZANA	1416Z	05Sep2018	0.84m
ABORETUM	1418Z	05Sep2018	0.64m
MANDI	1418Z	05Sep2018	0.65m
KELSO	1420Z	05Sep2018	0.55m
PORT DURNFORD	1430Z	05Sep2018	0.51m
LAKE SIBAYI	1438Z	05Sep2018	0.67m
FUNK SEAMOUNT	1438Z	05Sep2018	0.99m
BATHURST	1446Z	05Sep2018	0.74m
GEORGE	1446Z	05Sep2018	0.74m
ELLIOTDALE	1446Z	05Sep2018	0.74m
LUSIKISIKI	1446Z	05Sep2018	0.74m
PORT ST JOHNS	1446Z	05Sep2018	0.74m
ZIKHOVA	1446Z	05Sep2018	0.74m
PORT ELIZABETH	1446Z	05Sep2018	0.74m
BREDASDORP	1446Z	05Sep2018	0.74m
HANKEY	1446Z	05Sep2018	0.74m
WILLOWVALE	1446Z	05Sep2018	0.74m
KENTANI	1446Z	05Sep2018	0.74m
MARSHSTRAND	1446Z	05Sep2018	0.74m
PEDDIE	1446Z	05Sep2018	0.74m
ALEXANDRIA	1446Z	05Sep2018	0.74m
HUMANSDORP	1446Z	05Sep2018	0.74m
MOSSEL	1446Z	05Sep2018	0.74m
HEIDELBERG	1446Z	05Sep2018	0.74m
NGQUELENI	1446Z	05Sep2018	0.74m
WITAAND	1446Z	05Sep2018	0.74m
GAMTOOS	1446Z	05Sep2018	0.74m
KAYSER'S BEACH	1446Z	05Sep2018	0.74m
GWABALANDA HITAWI	1452Z	05Sep2018	0.51m

SRI LANKA

POTTUVIL	0502Z	05Sep2018	0.88m
KIRINDA	0502Z	05Sep2018	0.87m
AKKARAI PATTU	0502Z	05Sep2018	0.87m
OKANDA	0502Z	05Sep2018	0.91m
BATTICALOA	0504Z	05Sep2018	0.87m
HAMBANTOTA	0508Z	05Sep2018	1.03m
TANGALLE	0510Z	05Sep2018	0.78m
KATTANKUDI	0510Z	05Sep2018	0.82m
MATARA	0512Z	05Sep2018	0.79m
ANAITIVU	0514Z	05Sep2018	0.81m

PANKULAM	0516Z 05Sep2018	0.62m
GALLE	0516Z 05Sep2018	0.76m
MULLAITTIVU	0522Z 05Sep2018	0.57m
AMBALANGODA	0522Z 05Sep2018	0.50m
CHUNDIKKULAM	0530Z 05Sep2018	0.61m
MORATUWA	0630Z 05Sep2018	0.82m
NEGOMBO	0834Z 05Sep2018	0.51m

UNITED KINGDOM		
MORESBY ISLAND	0634Z 05Sep2018	1.70m
DIEGO GARCIA	0634Z 05Sep2018	1.41m
NW EGMONT ISLAND	0656Z 05Sep2018	1.04m

YEMEN		
SOCOTRA ISLAND SOUTH	1050Z 05Sep2018	0.52m

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

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

#####

TSUNAMI BULLETIN NUMBER 3 (TYPE-II THREAT ASSESSMENT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)
ISSUED AT 0322 UTC Wednesday 05 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: 9.1 Mwp (REVISED)
Depth: 10km
Date: 05 Sep 2018
Origin Time: 0300 UTC
Latitude: 3.30N
Longitude: 96.00E
Location: Northern Sumatra, Indonesia

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.

AUSTRALIA		
COCOS ISLAND	0440Z 05Sep2018	1.27m
CHRISTMAS ISLAND	0500Z 05Sep2018	0.51m
NINGALOO COAST	0706Z 05Sep2018	1.39m
PILBARA COAST WEST	0742Z 05Sep2018	1.96m
GASCOYNE COAST	0754Z 05Sep2018	1.30m
PILBARA COAST EAST	0838Z 05Sep2018	1.04m
BUNBURY GEOGRAPHE COAST	0850Z 05Sep2018	1.57m
LANCELIN COAST	0852Z 05Sep2018	1.11m
PERTH COAST	0854Z 05Sep2018	1.25m
GERALDTON COAST	0856Z 05Sep2018	1.97m

LEEUWIN COAST	0904Z	05Sep2018	1.23m
WEST KIMBERLY COAST	1108Z	05Sep2018	0.95m
NORTH KIMBERLY COAST	1222Z	05Sep2018	0.71m
HEARD ISLAND AND MCDONALD ISLANDS	1234Z	05Sep2018	5.38m
AURORA BANK	1246Z	05Sep2018	2.22m
ALBANY COAST	1938Z	05Sep2018	0.87m
SOUTH WEST COAST TAS	2012Z	05Sep2018	0.81m
CENTRAL WEST COAST TAS	2110Z	05Sep2018	0.81m
LOWER SOUTH EAST COAST SA	2128Z	05Sep2018	0.66m
WEST COAST VIC	2140Z	05Sep2018	0.68m
EUCLA COAST	0030Z	06Sep2018	0.57m
UPPER SOUTH EAST COAST SA	0200Z	06Sep2018	0.61m
SOUTH CENTRAL COAST SA	0212Z	06Sep2018	0.54m
UPPER WEST COAST SA	0222Z	06Sep2018	0.52m
FAR WEST COAST SA	0234Z	06Sep2018	0.51m

BANGLADESH

COXS BAZAR	0804Z	05Sep2018	1.54m
BARGUNA	0804Z	05Sep2018	1.87m
KUTUBDIA ISLAND	0804Z	05Sep2018	1.87m
CHALNA	1034Z	05Sep2018	0.96m

COMOROS

BAMBAAO	1120Z	05Sep2018	0.65m
CHEZANI	1124Z	05Sep2018	1.26m
FOMBONI	1126Z	05Sep2018	0.72m

DJIBOUTI

NW ARTA	1254Z	05Sep2018	0.82m
MUHAMMAD ALI BIN FATHA SUMANA	1300Z	05Sep2018	0.70m

FRANCE

LLE SAINT-PAUL-NORTH	0924Z	05Sep2018	1.74m
LLE SAINT-PAUL-SOUTH	0936Z	05Sep2018	1.69m
SAINT-DENIS	0954Z	05Sep2018	1.97m
SAINT - JOSEPH	0954Z	05Sep2018	2.37m
ILE KERGUELEN	1152Z	05Sep2018	4.98m
NES CROZET	1206Z	05Sep2018	2.14m
ILE DE LA POSSESSION	1206Z	05Sep2018	2.36m
CROZET PLATEAU	1216Z	05Sep2018	3.15m

INDIA

INDIRA POINT	0316Z	05Sep2018	6.44m
KOMATRA & KATCHAL ISLAND	0328Z	05Sep2018	3.51m
CAR NICOBAR	0338Z	05Sep2018	2.38m
LITTLE ANDAMAN	0400Z	05Sep2018	1.62m
NORTH SENTINEL ISLAND	0408Z	05Sep2018	2.56m
PORT BLAIR	0422Z	05Sep2018	2.69m
HAVELOCK	0434Z	05Sep2018	3.31m
WEST & LANDFALL ISLAND	0436Z	05Sep2018	1.52m
FLAT ISLAND	0438Z	05Sep2018	2.02m
BARREN ISLAND	0438Z	05Sep2018	0.89m
RANGATH BAY	0442Z	05Sep2018	1.30m
NARCONDAM ISLAND	0452Z	05Sep2018	0.96m
DIGLIPUR	0454Z	05Sep2018	1.56m
MARAKKANAM	0522Z	05Sep2018	3.57m
MAHABALIPURAM	0524Z	05Sep2018	3.00m
CHENNAI	0524Z	05Sep2018	3.00m
CUDDALORE	0524Z	05Sep2018	2.46m
PUDUCHERRY	0524Z	05Sep2018	2.22m
POOMBUHAR	0528Z	05Sep2018	2.38m
MALLIPATTINAM	0530Z	05Sep2018	1.13m
KARAIKAL	0530Z	05Sep2018	1.69m
NAGAPATTINAM	0530Z	05Sep2018	1.78m
SRIHARIKOTA	0530Z	05Sep2018	2.17m
ENNORE	0532Z	05Sep2018	4.16m
MUTHUPET	0534Z	05Sep2018	1.00m
KAKINADA	0538Z	05Sep2018	1.51m
MACHILIPATNAM	0538Z	05Sep2018	2.05m
PERUPALEM	0542Z	05Sep2018	1.79m
NIJAMPATTANAM	0542Z	05Sep2018	1.55m
KOTTAPATNAM	0546Z	05Sep2018	1.96m
VISAKHAPATNAM	0548Z	05Sep2018	1.86m
TUTICORIN	0548Z	05Sep2018	1.38m
KOODANKULAM	0554Z	05Sep2018	1.96m
KONADA	0554Z	05Sep2018	1.50m
KALINGAPATNAM	0554Z	05Sep2018	2.27m

IOC Technical Series, 138 (I) Supplement 2
page 12

PARADIP	0558Z	05Sep2018	2.67m
RAMESWARAM	0558Z	05Sep2018	1.17m
PURI	0600Z	05Sep2018	2.22m
KOTTTAIPPATTANAM	0602Z	05Sep2018	0.79m
GOPALPUR	0606Z	05Sep2018	2.20m
KANYAKUMARI	0608Z	05Sep2018	1.96m
JAMBOO	0618Z	05Sep2018	2.06m
TRIVANDRUM	0624Z	05Sep2018	1.28m
QUILON	0626Z	05Sep2018	1.15m
MINICOY	0630Z	05Sep2018	0.84m
ALLEPPEY ALAPPUZHA	0640Z	05Sep2018	1.50m
ANDROTH	0644Z	05Sep2018	0.64m
KAVARATTI	0656Z	05Sep2018	0.65m
NAMKHANA	0656Z	05Sep2018	1.03m
AGATTI	0708Z	05Sep2018	0.65m
AMINI	0718Z	05Sep2018	0.59m
CHANDIPUR	0724Z	05Sep2018	1.53m
VADANAPPALLY	0744Z	05Sep2018	1.12m
COCHIN	0746Z	05Sep2018	1.22m
HEMNAGAR	0748Z	05Sep2018	0.78m
DHAMRA	0750Z	05Sep2018	1.90m
BEYPORE	0812Z	05Sep2018	1.04m
VAKKAD	0932Z	05Sep2018	0.90m
MALVAN BAY	0944Z	05Sep2018	0.88m
KANNUR	1016Z	05Sep2018	1.40m
MAHE	1018Z	05Sep2018	1.13m
KASARAGOD	1022Z	05Sep2018	1.25m
DIGHA	1026Z	05Sep2018	1.30m
MANGALORE	1042Z	05Sep2018	0.90m
UDUPI	1048Z	05Sep2018	0.96m
KARWAR	1126Z	05Sep2018	1.07m
VASCO	1156Z	05Sep2018	0.82m
PANAJI	1200Z	05Sep2018	0.82m
DWARKA	1248Z	05Sep2018	0.89m
JAMNAGAR	1254Z	05Sep2018	0.68m
HAZIRA, DIU	1304Z	05Sep2018	1.44m
MANDVI	1418Z	05Sep2018	0.86m
TARAPUR	1548Z	05Sep2018	0.64m
PORBANDAR	1750Z	05Sep2018	0.69m
JAIGARH	1812Z	05Sep2018	0.68m
MUMBAI	1918Z	05Sep2018	0.75m
ALIBAG PORT	1918Z	05Sep2018	0.75m
MAHUVA	2032Z	05Sep2018	0.54m
MANGROL	2136Z	05Sep2018	0.73m
INDONESIA			
SUMUT NIAS B	0300Z	05Sep2018	13.78m
SUMUT NIAS-SELATAN P.TANABALA	0300Z	05Sep2018	9.42m
NAD SIMEULUE P.SIMEULUE	0300Z	05Sep2018	14.07m
SUMUT NIAS-SELATAN P.NIAS	0300Z	05Sep2018	13.94m
SUMUT NIAS-SELATAN P.TANAHMASA	0300Z	05Sep2018	9.94m
GUNUNGSITOLI	0300Z	05Sep2018	5.49m
NAD ACEH-SINGKIL KEP.BANYAK	0306Z	05Sep2018	9.81m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0312Z	05Sep2018	5.31m
NIAS	0314Z	05Sep2018	5.98m
NIAS-NORTH	0316Z	05Sep2018	5.48m
SOUTH OF BODAHAYIONE	0318Z	05Sep2018	5.08m
NAD ACEH-JAYA	0322Z	05Sep2018	24.85m
NAD ACEH-BESAR B	0322Z	05Sep2018	22.49m
NAD ACEH-BESAR P.BREUEH	0324Z	05Sep2018	23.89m
NAD ACEH-BESAR P.PENASI	0324Z	05Sep2018	23.25m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0326Z	05Sep2018	2.38m
NIAS-EAST	0326Z	05Sep2018	4.04m
NAD KOTA-BANDA-ACEH	0326Z	05Sep2018	13.00m
NAD KOTA-SABANG P.WEH	0326Z	05Sep2018	13.02m
MUARASIBERUT	0328Z	05Sep2018	2.18m
NAD ACEH-SELATAN S	0328Z	05Sep2018	7.47m
SUMUT MANDAILING-NATAL U	0328Z	05Sep2018	5.81m
NAD ACEH-SINGKIL	0330Z	05Sep2018	4.36m
NAD ACEH-BARAT	0332Z	05Sep2018	25.14m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0332Z	05Sep2018	2.93m
NAD ACEH-SELATAN U	0334Z	05Sep2018	7.19m
NAD NAGAN-RAYA	0334Z	05Sep2018	11.28m
NAD ACEH-BARAT-DAYA	0338Z	05Sep2018	12.15m
NAD ACEH-BESAR U	0342Z	05Sep2018	7.70m
SUMUT TAPANULI-TENGAH U	0344Z	05Sep2018	8.68m
NAD PIDIE	0346Z	05Sep2018	3.74m

SUMUT TAPANULI-TENGAH KEP.MURSALA	0348Z	05Sep2018	6.45m
SUMUT TAPANULI-SELATAN	0352Z	05Sep2018	7.67m
SUMUT TAPANULI-TENGAH S	0356Z	05Sep2018	5.93m
NAD BIREUEN	0358Z	05Sep2018	3.71m
SUMBAR KOTA-PADANG U	0402Z	05Sep2018	3.46m
SUMBAR AGAM	0404Z	05Sep2018	1.95m
SUMBAR KOTA-PADANG S	0404Z	05Sep2018	1.14m
SUMBAR PESISIR-SELATAN U	0404Z	05Sep2018	1.20m
SUMBAR PADANG-PARIAMAN U	0404Z	05Sep2018	1.10m
BENGKULU BENGKULU-UTARA P.ENGGANO	0406Z	05Sep2018	1.15m
SUMUT MANDAILING-NATAL S	0406Z	05Sep2018	3.47m
MUARASIGEP	0406Z	05Sep2018	1.16m
SUMBAR KOTA-PADANG U	0406Z	05Sep2018	1.33m
SUMBAR PADANG-PARIAMAN S	0406Z	05Sep2018	1.08m
NAD ACEH-UTARA B	0408Z	05Sep2018	3.71m
NAD KOTA-LHOKSEUMAWA	0408Z	05Sep2018	2.72m
SUMBAR KOTA-PARIAMAN	0408Z	05Sep2018	1.13m
SUMBAR PESISIR-SELATAN S	0416Z	05Sep2018	1.15m
BENGKULU BENGKULU-UTARA U	0416Z	05Sep2018	0.92m
MURASAIBI	0416Z	05Sep2018	1.07m
BENGKULU MUKOMUKO	0418Z	05Sep2018	1.03m
NAD ACEH-UTARA T	0418Z	05Sep2018	2.51m
SAKUBO	0418Z	05Sep2018	1.12m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0426Z	05Sep2018	1.31m
BENGKULU BENGKULU-SELATAN	0426Z	05Sep2018	1.06m
BENGKULU SELUMA	0426Z	05Sep2018	1.14m
BENGKULU BENGKULU-UTARA S	0428Z	05Sep2018	1.52m
BENGKULU KAUR	0428Z	05Sep2018	0.97m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0436Z	05Sep2018	1.12m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0436Z	05Sep2018	1.16m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0438Z	05Sep2018	1.11m
LAMPUNG TANGGAMUS B	0442Z	05Sep2018	1.04m
NAD ACEH-TIMUR	0442Z	05Sep2018	1.64m
BANTEN PANDEGLANG P.PANAITAN	0446Z	05Sep2018	0.72m
BANTEN PANDEGLANG S	0448Z	05Sep2018	0.67m
BANTEN LEBAK	0458Z	05Sep2018	1.04m
JABAR SUKABUMI PELABUHAN-RATU	0458Z	05Sep2018	3.50m
LAMPUNG TANGGAMUS T	0458Z	05Sep2018	1.65m
JABAR SUKABUMI UJUNG-GENTENG	0500Z	05Sep2018	0.70m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0500Z	05Sep2018	1.00m
BANTEN KOTA-CILEGON P.SANGIANG	0502Z	05Sep2018	1.06m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0502Z	05Sep2018	1.06m
BANTEN SERANG B	0502Z	05Sep2018	1.06m
LAMPUNG TANGGAMUS P.TABUAN	0504Z	05Sep2018	0.64m
JABAR CIANJUR SINDANGBARANG	0504Z	05Sep2018	0.87m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0506Z	05Sep2018	2.11m
LAMPUNG LAMPUNG-SELATAN B	0510Z	05Sep2018	1.00m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0510Z	05Sep2018	1.00m
JABAR TASIKMALAYA	0518Z	05Sep2018	0.98m
JABAR GARUT	0520Z	05Sep2018	0.93m
BANTEN PANDEGLANG U	0520Z	05Sep2018	1.45m
JABAR CIAMIS	0536Z	05Sep2018	1.11m
NAD KOTA-LANGSA	0540Z	05Sep2018	0.66m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0542Z	05Sep2018	1.32m
JATENG CILACAP	0552Z	05Sep2018	1.36m
JATENG PURWOREJO	0552Z	05Sep2018	1.18m
JATENG KEBUMEN	0552Z	05Sep2018	0.96m
DIY BANTUL	0556Z	05Sep2018	1.09m
DIY KULON-PROGO	0558Z	05Sep2018	0.90m
DIY GUNUNG-KIDUL	0558Z	05Sep2018	1.11m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0558Z	05Sep2018	1.68m
JATENG WONOGIRI	0600Z	05Sep2018	0.61m
JATIM PACITAN	0606Z	05Sep2018	0.99m
NAD ACEH-TAMANG	0634Z	05Sep2018	0.67m
SUMUT LANGKAT	0712Z	05Sep2018	0.71m
BELAWAN	0728Z	05Sep2018	0.79m
SUMUT DELISERDANG	0748Z	05Sep2018	0.74m
SUMUT SERDANG-BEDAGAI	0802Z	05Sep2018	0.77m
BALI TABANAN	0830Z	05Sep2018	0.71m
BALI BADUNG PANTAI-KUTA	0836Z	05Sep2018	0.51m
SUMUT ASAHAN	0838Z	05Sep2018	0.55m
NTT SUMBA B	0926Z	05Sep2018	0.73m
NTT BELU U	1038Z	05Sep2018	0.53m
NTT MANGGARAI-BARAT S	1120Z	05Sep2018	0.70m
NTT MANGGARAI-BARAT P.	1124Z	05Sep2018	0.56m
NTB KOTA-BIMA S	1130Z	05Sep2018	0.51m
JATIM BANYUWANGI S	1416Z	05Sep2018	0.55m

IOC Technical Series, 138 (I) Supplement 2
page 14

JATIM JEMBER	1912Z	05Sep2018	0.56m
JATIM TRENGGALEK	2112Z	05Sep2018	0.99m
JATIM MALANG	2124Z	05Sep2018	0.56m
JATIM BLITAR	2132Z	05Sep2018	0.60m
JATIM TULUNGAGUNG	2136Z	05Sep2018	0.55m
JATIM LUMAJANG	2140Z	05Sep2018	0.77m
NTB SUMBAWA S	2318Z	05Sep2018	0.54m
NTB LOMBOK-TIMUR S	2332Z	05Sep2018	0.53m

IRAN			
BIR	1448Z	05Sep2018	0.50m
MISKI	1454Z	05Sep2018	0.66m
PUSHT	1520Z	05Sep2018	0.72m

KENYA			
KIWAYU	1110Z	05Sep2018	1.48m
KIPINI	1136Z	05Sep2018	1.11m
MVULENI	1138Z	05Sep2018	1.06m
MALINDI	1138Z	05Sep2018	1.58m
TAKAUNGU	1140Z	05Sep2018	1.49m
KISIMACHANDE	1144Z	05Sep2018	1.22m

MADAGASCAR			
VOHEMAR	1028Z	05Sep2018	1.47m
ANOROTSANGANA	1030Z	05Sep2018	1.28m
TOAMASINA AIRPORT	1042Z	05Sep2018	2.16m
TAMPOLO	1046Z	05Sep2018	2.28m
AMBAHY	1054Z	05Sep2018	5.22m
FARAFAGANA	1104Z	05Sep2018	4.40m
MANANTENINA	1108Z	05Sep2018	3.80m
SAMPONA	1148Z	05Sep2018	2.78m
ANDROKA	1204Z	05Sep2018	1.48m
EUROPA ISLAND	1250Z	05Sep2018	0.52m
AMBANJA	1318Z	05Sep2018	0.56m
BALY	1320Z	05Sep2018	1.03m
MANJA	1500Z	05Sep2018	0.60m
TAMOTAMO	1520Z	05Sep2018	0.57m

MALAYSIA			
SATUN	0644Z	05Sep2018	0.74m
SEBERANG PERAI SELATAN	0716Z	05Sep2018	0.78m
KUALA MUDA	0722Z	05Sep2018	0.99m
WEST OF ALOR SETAR	0722Z	05Sep2018	0.99m
YAN	0724Z	05Sep2018	0.57m
SEBERANG PERAI UTARA & BARAT DAYA	0728Z	05Sep2018	0.91m
KERIAN	0740Z	05Sep2018	0.75m
LARUT AND MATANG	0746Z	05Sep2018	0.78m
MANJUNG	0810Z	05Sep2018	0.77m
KUALA SELANGOR	1008Z	05Sep2018	0.63m
SABAK BERNAM	1030Z	05Sep2018	0.51m
HILIR PERAK	1112Z	05Sep2018	0.51m

MALDIVES			
THINADHOO	0606Z	05Sep2018	4.14m
DHIYAMIGILI	0606Z	05Sep2018	5.13m
KOLHUFUSHI	0606Z	05Sep2018	3.29m
MALE	0606Z	05Sep2018	3.54m
KULHUDUFFUSHI	0610Z	05Sep2018	2.19m
HITHADHOO	0610Z	05Sep2018	3.98m
GOIDHOO	0624Z	05Sep2018	2.37m
NILANDHOO	0628Z	05Sep2018	6.04m
FERIDHOO	0638Z	05Sep2018	2.40m

MAURITIUS			
LA FERME	0840Z	05Sep2018	4.86m
CARGADOS CARAJOS	0912Z	05Sep2018	6.79m
AGALEGA ISLAND	0924Z	05Sep2018	1.68m
GRANDE REVIERE SUD EST-EAST	0926Z	05Sep2018	2.94m
GRANDE REVIERE SUD EST-WEST	0942Z	05Sep2018	2.10m

MOZAMBIQUE			
MAGANJA	1148Z	05Sep2018	1.50m
MERONVI	1156Z	05Sep2018	1.25m
QUITERAJO	1158Z	05Sep2018	0.72m
TAVARI	1202Z	05Sep2018	0.73m
PEMBA	1202Z	05Sep2018	1.03m
MURREBUE	1204Z	05Sep2018	0.95m

MECUFI	1206Z	05Sep2018	0.87m
LURIO	1208Z	05Sep2018	0.94m
NANGATA	1210Z	05Sep2018	0.76m
MINHAUINE	1212Z	05Sep2018	0.86m
LUMBO	1214Z	05Sep2018	0.56m
MOGINCUAL	1232Z	05Sep2018	0.52m
INHARRIME	1318Z	05Sep2018	1.37m
POMENE	1330Z	05Sep2018	0.83m
VILANKULO	1332Z	05Sep2018	0.84m
MAGUEMBA	1336Z	05Sep2018	0.99m
INHASSORO	1346Z	05Sep2018	0.67m
ZAVALA	1348Z	05Sep2018	0.96m
MAPUTO	1350Z	05Sep2018	1.40m
VILA DO CHINDE	1354Z	05Sep2018	0.59m
XAI-XAI	1354Z	05Sep2018	2.11m
OCONE	1354Z	05Sep2018	0.59m
MALUANA	1358Z	05Sep2018	1.32m
MAIONGUE	1426Z	05Sep2018	0.91m
AMADE	1502Z	05Sep2018	0.55m
NOVA LUSITANIA	1502Z	05Sep2018	0.94m
MOEBASE	1554Z	05Sep2018	0.56m
MYANMAR			
THAN KYUN	0504Z	05Sep2018	1.49m
LITTLE COCO ISLAND	0506Z	05Sep2018	1.07m
GREAT WESTERN TORRES ISLAND	0506Z	05Sep2018	1.19m
LORD LOUGHBOROUGH ISLAND	0512Z	05Sep2018	1.19m
PREPARIS ISLAND	0534Z	05Sep2018	1.17m
MALI KYUN	0628Z	05Sep2018	0.80m
PHARPON	0644Z	05Sep2018	1.14m
KYWEGYAUNG	0644Z	05Sep2018	1.10m
CHEDUBA ISLAND	0644Z	05Sep2018	1.28m
MAGYIGYAING	0650Z	05Sep2018	1.45m
MAWYEN	0702Z	05Sep2018	1.81m
KYAUKPYU	0726Z	05Sep2018	1.14m
THAWINCHAUNG	0732Z	05Sep2018	1.29m
SITTWE	0734Z	05Sep2018	1.86m
YANGON-S	0746Z	05Sep2018	0.55m
YE	0804Z	05Sep2018	0.87m
OMAN			
TAQAH	1120Z	05Sep2018	1.96m
MIRBAT	1120Z	05Sep2018	1.45m
SALALAH	1126Z	05Sep2018	1.54m
HASIK	1136Z	05Sep2018	1.46m
AL JAZER	1156Z	05Sep2018	0.59m
AD DUQM	1200Z	05Sep2018	0.92m
RAS AR RUWAYS	1212Z	05Sep2018	1.09m
EAST MUSANDAM	1508Z	05Sep2018	0.63m
MASIRAH	1756Z	05Sep2018	0.57m
PAKISTAN			
ORMARA	1040Z	05Sep2018	0.54m
WINDER	1332Z	05Sep2018	0.92m
KARACHI	1414Z	05Sep2018	1.33m
SINDH	1448Z	05Sep2018	0.85m
SEYCHELLES			
FREGATE ISLAND	0908Z	05Sep2018	1.96m
COETIVY ISLAND	0914Z	05Sep2018	1.70m
TAKAMAKA	0928Z	05Sep2018	2.86m
ILE DESROCHES	0940Z	05Sep2018	1.61m
ALPHONSE ISLAND	0952Z	05Sep2018	0.90m
FARQUHAR GROUP	1026Z	05Sep2018	1.03m
ASTOVE ISLAND	1040Z	05Sep2018	0.92m
ALDABRA	1050Z	05Sep2018	1.19m
SOMALIA			
BANDER-BEYLA	1004Z	05Sep2018	2.81m
EYL	1010Z	05Sep2018	2.12m
TOOXIN	1012Z	05Sep2018	2.38m
JARIIBAN	1014Z	05Sep2018	2.23m
GALDOGOB	1014Z	05Sep2018	2.82m
XARARDHEERE	1020Z	05Sep2018	2.68m
ITALA	1022Z	05Sep2018	2.07m
CEEL DHEER	1022Z	05Sep2018	2.28m
MAREEG	1024Z	05Sep2018	2.35m

IOC Technical Series, 138 (I) Supplement 2
page 16

ABO	1028Z	05Sep2018	0.90m
UARSCIECH	1030Z	05Sep2018	2.26m
MUQDISHO	1034Z	05Sep2018	2.88m
BEYNAX BARRE	1044Z	05Sep2018	1.93m
BARAAWE	1048Z	05Sep2018	1.96m
TURDHO	1056Z	05Sep2018	1.73m
JILIB	1056Z	05Sep2018	1.23m
NE BEERNAASI	1102Z	05Sep2018	1.89m
KAMBOONI	1110Z	05Sep2018	1.91m

SOUTH AFRICA

GWABALANDA HITAWI	1336Z	05Sep2018	1.37m
LAKE SIBAYI	1336Z	05Sep2018	1.56m
PORT DURNFORD	1336Z	05Sep2018	1.96m
KOSIMEER	1340Z	05Sep2018	1.39m
FUNK SEAMOUNT	1346Z	05Sep2018	3.41m
MARGATE	1348Z	05Sep2018	3.19m
BIZANA	1350Z	05Sep2018	2.05m
MANDI	1350Z	05Sep2018	1.86m
LUSIKISIKI	1352Z	05Sep2018	1.97m
PORT ST JOHNS	1352Z	05Sep2018	1.97m
ELLIOTDALE	1352Z	05Sep2018	1.97m
BATHURST	1352Z	05Sep2018	1.97m
PORT ELIZABETH	1352Z	05Sep2018	1.97m
HANKEY	1352Z	05Sep2018	1.97m
GEORGE	1352Z	05Sep2018	1.97m
KAYSER'S BEACH	1352Z	05Sep2018	1.97m
KELSO	1352Z	05Sep2018	2.33m
BREDASDORP	1352Z	05Sep2018	1.97m
WILLOWVALE	1352Z	05Sep2018	1.97m
KENTANI	1352Z	05Sep2018	1.97m
MARSHSTRAND	1352Z	05Sep2018	1.97m
PEDDIE	1352Z	05Sep2018	1.97m
ALEXANDRIA	1352Z	05Sep2018	1.97m
HUMANSDORP	1352Z	05Sep2018	1.97m
MOSSEL	1352Z	05Sep2018	1.97m
HEIDELBERG	1352Z	05Sep2018	1.97m
NGQUELENI	1352Z	05Sep2018	1.97m
WITAAND	1352Z	05Sep2018	1.97m
GAMTOOS	1352Z	05Sep2018	1.97m
ZIKHOVA	1352Z	05Sep2018	1.97m
ABORETUM	1354Z	05Sep2018	1.65m

SRI LANKA

POTTUVIL	0444Z	05Sep2018	4.81m
AKKARAI PATTU	0444Z	05Sep2018	4.67m
KIRINDA	0446Z	05Sep2018	4.04m
BATTICALOA	0446Z	05Sep2018	4.75m
OKANDA	0446Z	05Sep2018	4.67m
KATTANKUDI	0452Z	05Sep2018	4.17m
HAMBANTOTA	0452Z	05Sep2018	4.54m
ANAITIVU	0454Z	05Sep2018	4.61m
PANKULAM	0456Z	05Sep2018	3.57m
TANGALLE	0456Z	05Sep2018	3.38m
MATARA	0458Z	05Sep2018	3.23m
GALLE	0502Z	05Sep2018	3.23m
MULLAITTIVU	0502Z	05Sep2018	2.91m
AMBALANGODA	0506Z	05Sep2018	2.08m
CHUNDIKKULAM	0508Z	05Sep2018	2.98m
BERUWALA	0516Z	05Sep2018	1.89m
CHAVAKACHCHERI	0518Z	05Sep2018	1.62m
COLOMBO	0522Z	05Sep2018	1.57m
MORATUWA	0524Z	05Sep2018	2.86m
POINT PEDRO	0526Z	05Sep2018	1.61m
NEGOMBO	0532Z	05Sep2018	1.73m
MUNDAL LAKE	0538Z	05Sep2018	1.38m
MANNAR ISLAND	0546Z	05Sep2018	0.87m
MUSALI	0600Z	05Sep2018	0.70m

TANZANIA

VUMBA	1132Z	05Sep2018	1.13m
VUMBI	1140Z	05Sep2018	1.16m
ZANZIBAR	1140Z	05Sep2018	1.26m
GAZIJA	1146Z	05Sep2018	1.05m
KUTANI	1148Z	05Sep2018	1.82m
RUVU	1150Z	05Sep2018	1.19m
SONGO SONGO ISLAND	1154Z	05Sep2018	0.86m

MADANGWA	1154Z	05Sep2018	0.96m
WEST TO KONDE	1156Z	05Sep2018	1.02m
JIMBO	1204Z	05Sep2018	1.17m
BOMALANDNI	1216Z	05Sep2018	0.78m
BAGAMOYO	1222Z	05Sep2018	0.96m
MSASANI	1238Z	05Sep2018	1.04m

THAILAND			
THAI MUEANG	0436Z	05Sep2018	3.09m
KO RACHA NOI	0444Z	05Sep2018	2.12m
KOH SURIN TAI	0506Z	05Sep2018	1.92m
KOH LANTA YAI	0520Z	05Sep2018	1.53m
KOH ROK	0530Z	05Sep2018	1.11m
THAI MUEANG TAKUA PA	0530Z	05Sep2018	2.17m
KOH TARUTAO	0540Z	05Sep2018	1.20m
MUEANG SATUN	0540Z	05Sep2018	1.20m

UNITED ARAB EMIRATES
KALBA 2004Z 05Sep2018 0.60m

UNITED KINGDOM
MORESBY ISLAND 0628Z 05Sep2018 5.82m
DIEGO GARCIA 0632Z 05Sep2018 6.05m
NW EGMONT ISLAND 0652Z 05Sep2018 3.55m

YEMEN			
SOCOTRA ISLAND SOUTH	1012Z	05Sep2018	2.53m
SOCOTRA ISLAND WEST	1018Z	05Sep2018	0.72m
DAMQAWT	1028Z	05Sep2018	1.81m
AL GHAYDAH AIRPORT	1032Z	05Sep2018	1.37m
SOCOTRA ISLAND NORTH	1038Z	05Sep2018	1.58m
ALQUMRAH	1218Z	05Sep2018	0.76m
MASILAH WADI	1222Z	05Sep2018	0.70m
HUSWAYN	1224Z	05Sep2018	0.92m
HARRAH	1516Z	05Sep2018	0.64m
KHANFAR	1638Z	05Sep2018	0.70m
ADEN	1650Z	05Sep2018	0.53m

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 4

IDY68501

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

#####

TSUNAMI BULLETIN NUMBER 4 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)
ISSUED AT 0332 UTC Wednesday 05 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: 9.3 Mwp (REVISED)
Depth: 10km
Date: 05 Sep 2018
Origin Time: 0300 UTC
Latitude: 3.30N
Longitude: 96.00E
Location: Northern Sumatra, Indonesia

2. EVALUATION

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

Sabang	INDONESIA	5.80N	95.33E	8.00m	05 Sep 03:25 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		
COCOS ISLAND	0438Z 05Sep2018	2.55m
CHRISTMAS ISLAND	0446Z 05Sep2018	1.02m
NINGALOO COAST	0700Z 05Sep2018	2.78m
PILBARA COAST WEST	0734Z 05Sep2018	3.92m
GASCOYNE COAST	0746Z 05Sep2018	2.60m
GERALDTON COAST	0752Z 05Sep2018	3.95m
ASHMORE REEF	0806Z 05Sep2018	0.59m
PILBARA COAST EAST	0812Z 05Sep2018	2.09m
LANCELIN COAST	0818Z 05Sep2018	2.22m
PERTH COAST	0824Z 05Sep2018	2.51m
BUNBURY GEOGRAPHE COAST	0842Z 05Sep2018	3.15m
LEEUEWIN COAST	0854Z 05Sep2018	2.47m

WEST KIMBERLY COAST	0900Z	05Sep2018	1.89m
ALBANY COAST	0914Z	05Sep2018	1.73m
NORTH KIMBERLY COAST	0956Z	05Sep2018	1.41m
ESPERENCE COAST	1228Z	05Sep2018	0.95m
HEARD ISLAND AND MCDONALD ISLANDS	1230Z	05Sep2018	10.77m
AURORA BANK	1240Z	05Sep2018	4.45m
WEST COAST VIC	1516Z	05Sep2018	1.36m
BEAGLE BONAPARTE COAST	1844Z	05Sep2018	0.81m
EUCLA COAST	1918Z	05Sep2018	1.14m
SOUTH WEST COAST TAS	1958Z	05Sep2018	1.61m
CENTRAL WEST COAST TAS	2006Z	05Sep2018	1.62m
FAR NORTH WEST COAST TAS	2034Z	05Sep2018	0.93m
SOUTH CENTRAL COAST SA	2050Z	05Sep2018	1.09m
LOWER SOUTH EAST COAST SA	2058Z	05Sep2018	1.31m
UPPER WEST COAST SA	2132Z	05Sep2018	1.05m
LOWER WEST COAST SA	2152Z	05Sep2018	0.77m
CENTRAL COAST SA	2208Z	05Sep2018	0.74m
NORTH TIWI COAST	2224Z	05Sep2018	0.82m
FAR WEST COAST SA	2230Z	05Sep2018	1.02m
UPPER SOUTH EAST COAST SA	2232Z	05Sep2018	1.22m
CENTRAL COAST VIC	2304Z	05Sep2018	0.82m

BANGLADESH

COXS BAZAR	0638Z	05Sep2018	3.08m
CHALNA	0642Z	05Sep2018	1.91m
KUTUBDIA ISLAND	0650Z	05Sep2018	3.74m
BARGUNA	0650Z	05Sep2018	3.74m

COMOROS

DZAOUDZI	1114Z	05Sep2018	0.96m
BAMBEO	1116Z	05Sep2018	1.30m
CHEZANI	1120Z	05Sep2018	2.53m
FOMBONI	1122Z	05Sep2018	1.44m

DJIBOUTI

NW ARTA	1240Z	05Sep2018	1.64m
MUHAMMAD ALI BIN FATHA SUMANA	1240Z	05Sep2018	1.39m

FRANCE

LLE SAINT-PAUL-NORTH	0920Z	05Sep2018	3.48m
LLE SAINT-PAUL-SOUTH	0932Z	05Sep2018	3.38m
SAINT-DENIS	0952Z	05Sep2018	3.93m
SAINT - JOSEPH	0952Z	05Sep2018	4.74m
ILE KERGUELEN	1148Z	05Sep2018	9.96m
NES CROZET	1204Z	05Sep2018	4.28m
ILE DE LA POSSESSION	1204Z	05Sep2018	4.72m
CROZET PLATEAU	1214Z	05Sep2018	6.31m

INDIA

INDIRA POINT	0316Z	05Sep2018	12.88m
KOMATRA & KATCHAL ISLAND	0326Z	05Sep2018	7.03m
CAR NICOBAR	0336Z	05Sep2018	4.76m
LITTLE ANDAMAN	0358Z	05Sep2018	3.24m
NORTH SENTINEL ISLAND	0406Z	05Sep2018	5.12m
PORT BLAIR	0422Z	05Sep2018	5.38m
HAVELOCK	0432Z	05Sep2018	6.62m
FLAT ISLAND	0432Z	05Sep2018	4.04m
WEST & LANDFALL ISLAND	0432Z	05Sep2018	3.03m
BARREN ISLAND	0434Z	05Sep2018	1.78m
RANGATH BAY	0440Z	05Sep2018	2.61m
NARCONDAM ISLAND	0450Z	05Sep2018	1.92m
DIGLIPUR	0452Z	05Sep2018	3.12m
MARAKKANAM	0520Z	05Sep2018	7.13m
CHENNAI	0522Z	05Sep2018	5.99m
CUDDALORE	0522Z	05Sep2018	4.93m
PUDUCHERRY	0522Z	05Sep2018	4.43m
MAHABALIPURAM	0522Z	05Sep2018	5.99m
MALLIPATTINAM	0526Z	05Sep2018	2.26m
POOMBUHAR	0526Z	05Sep2018	4.76m
KARAIKAL	0528Z	05Sep2018	3.37m
SRIHARIKOTA	0528Z	05Sep2018	4.35m
NAGAPATTINAM	0528Z	05Sep2018	3.56m
ENNORE	0530Z	05Sep2018	8.31m
MUTHUPET	0532Z	05Sep2018	2.00m
KAKINADA	0536Z	05Sep2018	3.02m
MACHILIPATNAM	0536Z	05Sep2018	4.09m
PERUPALEM	0540Z	05Sep2018	3.58m

IOC Technical Series, 138 (I) Supplement 2
page 20

NIJAMPATTANAM	0542Z	05Sep2018	3.10m
KOTTAPATNAM	0544Z	05Sep2018	3.92m
TUTICORIN	0544Z	05Sep2018	2.76m
VISAKHAPATNAM	0546Z	05Sep2018	3.71m
KONADA	0550Z	05Sep2018	2.99m
KALINGAPATNAM	0550Z	05Sep2018	4.54m
KOODANKULAM	0552Z	05Sep2018	3.92m
PARADIP	0554Z	05Sep2018	5.35m
RAMESWARAM	0554Z	05Sep2018	2.33m
PURI	0556Z	05Sep2018	4.45m
KOTTTAIPPATTANAM	0558Z	05Sep2018	1.59m
GOPALPUR	0602Z	05Sep2018	4.41m
KANYAKUMARI	0604Z	05Sep2018	3.92m
JAMBOO	0612Z	05Sep2018	4.11m
TRIVANDRUM	0618Z	05Sep2018	2.55m
QUILON	0620Z	05Sep2018	2.31m
MINICOY	0628Z	05Sep2018	1.68m
ALLEPPEY ALAPPUZHA	0634Z	05Sep2018	3.00m
ANDROTH	0640Z	05Sep2018	1.29m
HEMNAGAR	0642Z	05Sep2018	1.56m
DHAMRA	0646Z	05Sep2018	3.80m
NAMKHANA	0648Z	05Sep2018	2.05m
KAVARATTI	0652Z	05Sep2018	1.31m
DIGHA	0656Z	05Sep2018	2.59m
AMINI	0700Z	05Sep2018	1.18m
VADANAPPALLY	0700Z	05Sep2018	2.24m
COCHIN	0700Z	05Sep2018	2.44m
AGATTI	0702Z	05Sep2018	1.31m
CHANDIPUR	0702Z	05Sep2018	3.05m
VAKKAD	0710Z	05Sep2018	1.79m
BEYPORE	0724Z	05Sep2018	2.08m
KANNUR	0732Z	05Sep2018	2.80m
MAHE	0734Z	05Sep2018	2.26m
KASARAGOD	0738Z	05Sep2018	2.50m
MANGALORE	0800Z	05Sep2018	1.80m
UDUPI	0816Z	05Sep2018	1.91m
KARWAR	0848Z	05Sep2018	2.14m
MALVAN BAY	0854Z	05Sep2018	1.77m
VASCO	0900Z	05Sep2018	1.65m
PANAJI	0902Z	05Sep2018	1.65m
JAIGARH	0920Z	05Sep2018	1.36m
PORBANDAR	1222Z	05Sep2018	1.37m
DWARKA	1224Z	05Sep2018	1.77m
JAMNAGAR	1240Z	05Sep2018	1.36m
MANGROL	1244Z	05Sep2018	1.47m
HAZIRA, DIU	1254Z	05Sep2018	2.87m
TARAPUR	1354Z	05Sep2018	1.27m
MANDVI	1358Z	05Sep2018	1.72m
MAHUVA	1506Z	05Sep2018	1.07m
KHAMBAT	1526Z	05Sep2018	0.86m
BHARUCH	1536Z	05Sep2018	0.93m
ALIBAG PORT	1544Z	05Sep2018	1.49m
MUMBAI	1544Z	05Sep2018	1.49m
PIPAVAV	1712Z	05Sep2018	0.90m
DAMAN	1918Z	05Sep2018	0.94m
BORSI	1918Z	05Sep2018	0.94m
HAZIRA	1920Z	05Sep2018	0.95m
INDONESIA			
SUMUT NIAS B	0300Z	05Sep2018	27.56m
NAD SIMEULUE P.SIMEULUE	0300Z	05Sep2018	28.15m
SUMUT NIAS-SELATAN P.TANAHMASA	0300Z	05Sep2018	19.88m
GUNUNGSITOLI	0300Z	05Sep2018	10.99m
SUMUT NIAS-SELATAN P.NIAS	0300Z	05Sep2018	27.88m
SUMUT NIAS-SELATAN P.TANABALA	0300Z	05Sep2018	18.83m
NAD ACEH-SINGKIL KEP.BANYAK	0306Z	05Sep2018	19.61m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0312Z	05Sep2018	10.63m
NIAS	0314Z	05Sep2018	11.95m
NIAS-NORTH	0316Z	05Sep2018	10.97m
SOUTH OF BODAHAYIONE	0316Z	05Sep2018	10.16m
NAD ACEH-JAYA	0322Z	05Sep2018	49.69m
NAD ACEH-BESAR B	0322Z	05Sep2018	44.99m
NIAS-EAST	0324Z	05Sep2018	8.07m
NAD ACEH-BESAR P.PENASI	0324Z	05Sep2018	46.49m
NAD ACEH-BESAR P.BREUEH	0324Z	05Sep2018	47.77m
NAD KOTA-BANDA-ACEH	0326Z	05Sep2018	26.01m
NAD KOTA-SABANG P.WEH	0326Z	05Sep2018	26.05m

SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0326Z	05Sep2018	4.77m
NAD ACEH-SELATAN S	0328Z	05Sep2018	14.94m
MUARASIBERUT	0328Z	05Sep2018	4.36m
SUMUT MANDAILING-NATAL U	0328Z	05Sep2018	11.62m
NAD ACEH-SINGKIL	0330Z	05Sep2018	8.73m
NAD NAGAN-RAYA	0332Z	05Sep2018	22.56m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0332Z	05Sep2018	5.87m
NAD ACEH-BARAT	0332Z	05Sep2018	50.27m
NAD ACEH-SELATAN U	0334Z	05Sep2018	14.37m
NAD ACEH-BARAT-DAYA	0338Z	05Sep2018	24.30m
NAD ACEH-BESAR U	0342Z	05Sep2018	15.41m
SUMUT TAPANULI-TENGAH U	0344Z	05Sep2018	17.35m
NAD PIDIE	0346Z	05Sep2018	7.48m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0346Z	05Sep2018	12.91m
SAKUBO	0350Z	05Sep2018	2.24m
SUMUT TAPANULI-SELATAN	0352Z	05Sep2018	15.34m
SUMBAR KOTA-PADANG U	0356Z	05Sep2018	6.91m
SUMUT TAPANULI-TENGAH S	0356Z	05Sep2018	11.86m
NAD BIREUEN	0358Z	05Sep2018	7.43m
MUARASIGEP	0400Z	05Sep2018	2.32m
SUMBAR PESISIR-SELATAN U	0400Z	05Sep2018	2.40m
SUMBAR PADANG-PARIAMAN U	0400Z	05Sep2018	2.19m
SUMBAR AGAM	0400Z	05Sep2018	3.89m
SUMBAR KOTA-PARIAMAN	0400Z	05Sep2018	2.26m
SUMBAR KOTA-PADANG S	0402Z	05Sep2018	2.29m
SUMUT MANDAILING-NATAL S	0402Z	05Sep2018	6.93m
SUMBAR KOTA-PADANG U	0402Z	05Sep2018	2.65m
SUMBAR PADANG-PARIAMAN S	0402Z	05Sep2018	2.16m
BENGKULU BENGKULU-UTARA P.ENGGANO	0404Z	05Sep2018	2.29m
NAD ACEH-UTARA B	0406Z	05Sep2018	7.43m
NAD KOTA-LHOKSEUMAWA	0408Z	05Sep2018	5.44m
MURASAIBI	0410Z	05Sep2018	2.14m
BENGKULU BENGKULU-UTARA U	0412Z	05Sep2018	1.85m
SUMBAR PESISIR-SELATAN S	0412Z	05Sep2018	2.31m
BENGKULU MUKOMUKO	0414Z	05Sep2018	2.05m
NAD ACEH-UTARA T	0416Z	05Sep2018	5.03m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0422Z	05Sep2018	2.62m
BENGKULU BENGKULU-SELATAN	0422Z	05Sep2018	2.11m
BENGKULU SELUMA	0422Z	05Sep2018	2.28m
BENGKULU KAUR	0424Z	05Sep2018	1.94m
BENGKULU BENGKULU-UTARA S	0424Z	05Sep2018	3.03m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0432Z	05Sep2018	2.32m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0434Z	05Sep2018	2.22m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0434Z	05Sep2018	2.24m
LAMPUNG TANGGAMUS B	0438Z	05Sep2018	2.09m
NAD ACEH-TIMUR	0440Z	05Sep2018	3.27m
BANTEN PANDEGLANG P.PANAITAN	0442Z	05Sep2018	1.43m
BANTEN PANDEGLANG S	0444Z	05Sep2018	1.34m
BANTEN LEBAK	0452Z	05Sep2018	2.08m
JABAR SUKABUMI UJUNG-GENTENG	0454Z	05Sep2018	1.39m
JABAR SUKABUMI PELABUHAN-RATU	0454Z	05Sep2018	6.99m
LAMPUNG TANGGAMUS T	0454Z	05Sep2018	3.30m
LAMPUNG TANGGAMUS P.TABUAN	0456Z	05Sep2018	1.27m
BANTEN KOTA-CILEGON P.SANGIANG	0456Z	05Sep2018	2.12m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0456Z	05Sep2018	2.00m
BANTEN SERANG B	0456Z	05Sep2018	2.12m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0456Z	05Sep2018	2.12m
JABAR CIANJUR SINDANGBARANG	0500Z	05Sep2018	1.74m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0502Z	05Sep2018	4.23m
LAMPUNG LAMPUNG-SELATAN B	0506Z	05Sep2018	2.00m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0506Z	05Sep2018	2.00m
JABAR GARUT	0508Z	05Sep2018	1.87m
JABAR TASIKMALAYA	0512Z	05Sep2018	1.96m
BANTEN PANDEGLANG U	0514Z	05Sep2018	2.90m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0526Z	05Sep2018	2.64m
JABAR CIAMIS	0528Z	05Sep2018	2.22m
JATENG KEBUMEN	0538Z	05Sep2018	1.91m
JATENG PURWOREJO	0538Z	05Sep2018	2.36m
NAD KOTA-LANGSA	0538Z	05Sep2018	1.31m
JATENG CILACAP	0542Z	05Sep2018	2.72m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0542Z	05Sep2018	3.36m
DIY KULON-PROGO	0544Z	05Sep2018	1.80m
DIY BANTUL	0544Z	05Sep2018	2.18m
DIY GUNUNG-KIDUL	0546Z	05Sep2018	2.23m
JATENG WONOGIRI	0552Z	05Sep2018	1.22m
JATIM PACITAN	0554Z	05Sep2018	1.99m
JATIM TRENGGALEK	0556Z	05Sep2018	1.99m

IOC Technical Series, 138 (I) Supplement 2
page 22

NAD ACEH-TAMANG	0602Z	05Sep2018	1.35m
JATIM MALANG	0606Z	05Sep2018	1.11m
JATIM BLITAR	0606Z	05Sep2018	1.21m
JATIM TULUNGAGUNG	0612Z	05Sep2018	1.10m
JATIM JEMBER P.NUSABARUNG	0616Z	05Sep2018	0.87m
JATIM BANYUWANGI S	0618Z	05Sep2018	1.10m
JATIM JEMBER	0620Z	05Sep2018	1.13m
JATIM LUMAJANG	0624Z	05Sep2018	1.54m
BALI BADUNG PANTAI-KUTA	0630Z	05Sep2018	1.03m
BALI TABANAN	0632Z	05Sep2018	1.42m
BALI DENPASAR PANTAI-SANUR	0632Z	05Sep2018	0.75m
BALI KLUNGKUNG P.NUSAPENIDA	0634Z	05Sep2018	0.76m
NTB LOMBOK-TENGAH	0638Z	05Sep2018	0.93m
NTB LOMBOK-TIMUR S	0642Z	05Sep2018	1.07m
SUMUT LANGKAT	0644Z	05Sep2018	1.42m
NTB SUMBAWA B	0644Z	05Sep2018	0.77m
NTT SUMBA B	0706Z	05Sep2018	1.46m
NTB KOTA-BIMA S	0706Z	05Sep2018	1.03m
NTB SUMBAWA S	0706Z	05Sep2018	1.09m
NTB DOMPU S	0708Z	05Sep2018	0.75m
BELAWAN	0712Z	05Sep2018	1.59m
NTT SUMBA T	0712Z	05Sep2018	0.90m
NTT MANGGARAI-BARAT P.	0722Z	05Sep2018	1.11m
NTT MANGGARAI-BARAT S	0736Z	05Sep2018	1.40m
SUMUT DELISERDANG	0740Z	05Sep2018	1.47m
SUMUT ASAHAN	0742Z	05Sep2018	1.10m
SUMUT SERDANG-BEDAGAI	0746Z	05Sep2018	1.53m
NTT MANGGARAI S	0752Z	05Sep2018	0.94m
NTT NGADA S	0754Z	05Sep2018	0.76m
NTT KUPANG	0756Z	05Sep2018	0.76m
NTT ENDE S	0806Z	05Sep2018	0.61m
NTT SIKKA S	0812Z	05Sep2018	0.79m
NTT LEMBATA S	0814Z	05Sep2018	0.91m
NTT ROTENDAO	0816Z	05Sep2018	0.67m
NTT ALOR S	0816Z	05Sep2018	0.91m
NTT FLORES-TIMUR P.SOLOR	0816Z	05Sep2018	0.81m
NTT FLORES-TIMUR S	0816Z	05Sep2018	0.78m
PANTE MACASSAR	0822Z	05Sep2018	0.90m
NTT BELU U	0822Z	05Sep2018	1.07m
NTT KOTA-KUPANG	0826Z	05Sep2018	0.63m
NTB LOMBOK-BARAT S	0838Z	05Sep2018	0.60m
LABUHAN BATU	1022Z	05Sep2018	0.70m
ROKAN HILIR	1102Z	05Sep2018	0.72m
DUMAI	0252Z	06Sep2018	0.64m

IRAN			
PUSHT	1042Z	05Sep2018	1.45m
BIR	1100Z	05Sep2018	1.00m
MISKI	1214Z	05Sep2018	1.31m

KENYA			
KIWAYU	1108Z	05Sep2018	2.97m
KIPINI	1132Z	05Sep2018	2.22m
MVULENI	1132Z	05Sep2018	2.12m
MALINDI	1134Z	05Sep2018	3.17m
TAKAUNGU	1136Z	05Sep2018	2.99m
KISIMACHANDE	1140Z	05Sep2018	2.45m

MADAGASCAR			
VOHEMAR	1024Z	05Sep2018	2.95m
ANOROTSANGANA	1026Z	05Sep2018	2.56m
TOAMASINA AIRPORT	1038Z	05Sep2018	4.32m
TAMPOLO	1044Z	05Sep2018	4.56m
GLORIOSO ISLANDS	1048Z	05Sep2018	0.95m
AMBAHY	1052Z	05Sep2018	10.43m
FARAFAGANA	1102Z	05Sep2018	8.79m
MANANTENINA	1104Z	05Sep2018	7.59m
AMBANJA	1124Z	05Sep2018	1.11m
BALY	1138Z	05Sep2018	2.07m
TAMOTAMO	1144Z	05Sep2018	1.14m
SAMPONA	1146Z	05Sep2018	5.56m
ANDROKA	1200Z	05Sep2018	2.95m
EUROPA ISLAND	1244Z	05Sep2018	1.03m
MANJA	1318Z	05Sep2018	1.19m

MALAYSIA			
SATUN	0638Z	05Sep2018	1.49m

YAN	0644Z	05Sep2018	1.15m
WEST OF ALOR SETAR	0702Z	05Sep2018	1.97m
KUALA MUDA	0702Z	05Sep2018	1.97m
SEBERANG PERAI SELATAN	0708Z	05Sep2018	1.57m
SEBERANG PERAI UTARA & BARAT DAYA	0720Z	05Sep2018	1.81m
KERIAN	0734Z	05Sep2018	1.50m
LARUT AND MATANG	0742Z	05Sep2018	1.55m
MANJUNG	0748Z	05Sep2018	1.54m
HILIR PERAK	0818Z	05Sep2018	1.02m
SABAK BERNAM	0906Z	05Sep2018	1.02m
KUALA SELANGOR	0958Z	05Sep2018	1.25m
KUALA LANGAT	0200Z	06Sep2018	0.78m
SEPANG	0250Z	06Sep2018	0.67m

MALDIVES			
THINADHOO	0604Z	05Sep2018	8.28m
KOLHUFUSHI	0604Z	05Sep2018	6.58m
DHIYAMIGILI	0606Z	05Sep2018	10.26m
MALE	0606Z	05Sep2018	7.08m
KULHUDUFFUSHI	0608Z	05Sep2018	4.39m
HITHADHOO	0610Z	05Sep2018	7.96m
GOIDHOO	0622Z	05Sep2018	4.75m
NILANDHOO	0626Z	05Sep2018	12.08m
FERIDHOO	0634Z	05Sep2018	4.79m

MAURITIUS			
LA FERME	0838Z	05Sep2018	9.73m
CARGADOS CARAJOS	0910Z	05Sep2018	13.58m
AGALEGA ISLAND	0920Z	05Sep2018	3.36m
GRANDE REVIERE SUD EST-EAST	0924Z	05Sep2018	5.87m
GRANDE REVIERE SUD EST-WEST	0940Z	05Sep2018	4.21m

MOZAMBIQUE			
MAGANJA	1142Z	05Sep2018	3.01m
MERONVI	1150Z	05Sep2018	2.50m
QUITERAJO	1154Z	05Sep2018	1.44m
TAVARI	1158Z	05Sep2018	1.46m
PEMBA	1158Z	05Sep2018	2.06m
MURREBUE	1200Z	05Sep2018	1.90m
MECUFI	1202Z	05Sep2018	1.73m
LURIO	1204Z	05Sep2018	1.88m
NANGATA	1206Z	05Sep2018	1.52m
LUMBO	1208Z	05Sep2018	1.12m
MINHAUINE	1208Z	05Sep2018	1.72m
MOGINCUAL	1218Z	05Sep2018	1.05m
NAMORRE	1242Z	05Sep2018	0.96m
INHARRIME	1316Z	05Sep2018	2.74m
POMENE	1326Z	05Sep2018	1.65m
VILANKULO	1328Z	05Sep2018	1.67m
MAGUEMBA	1330Z	05Sep2018	1.98m
INHASSORO	1342Z	05Sep2018	1.35m
MOEBASE	1344Z	05Sep2018	1.13m
ZAVALA	1344Z	05Sep2018	1.91m
OCONE	1348Z	05Sep2018	1.17m
MAPUTO	1348Z	05Sep2018	2.80m
VILA DO CHINDE	1348Z	05Sep2018	1.17m
XAI-XAI	1350Z	05Sep2018	4.22m
AMADE	1352Z	05Sep2018	1.11m
MALUANA	1354Z	05Sep2018	2.63m
NHANGAU	1404Z	05Sep2018	0.95m
MAIONGUE	1420Z	05Sep2018	1.82m
NOVA LUSITANIA	1422Z	05Sep2018	1.88m

MYANMAR			
LITTLE COCO ISLAND	0454Z	05Sep2018	2.13m
THAN KYUN	0502Z	05Sep2018	2.98m
GREAT WESTERN TORRES ISLAND	0504Z	05Sep2018	2.38m
PREPARIS ISLAND	0508Z	05Sep2018	2.33m
LORD LOUGHBOROUGH ISLAND	0510Z	05Sep2018	2.38m
KYWEGYAUNG	0540Z	05Sep2018	2.20m
CHEDUBA ISLAND	0540Z	05Sep2018	2.56m
MAWYEN	0548Z	05Sep2018	3.62m
SITTWE	0610Z	05Sep2018	3.73m
THAWINCHAUNG	0612Z	05Sep2018	2.57m
KYAUKPYU	0616Z	05Sep2018	2.28m
MALI KYUN	0620Z	05Sep2018	1.60m
PHARPON	0636Z	05Sep2018	2.28m

IOC Technical Series, 138 (I) Supplement 2
page 24

MAGYIGYAING	0646Z	05Sep2018	2.90m
YE	0652Z	05Sep2018	1.75m
YANGON-S	0658Z	05Sep2018	1.10m

OMAN

HASIK	0952Z	05Sep2018	2.91m
AD DUQM	0956Z	05Sep2018	1.84m
AL JAZER	1000Z	05Sep2018	1.17m
MIRBAT	1000Z	05Sep2018	2.91m
RAS AR RUWAYS	1002Z	05Sep2018	2.19m
MASIRAH	1004Z	05Sep2018	1.15m
SALALAH	1008Z	05Sep2018	3.07m
TAQAH	1010Z	05Sep2018	3.92m
AL ASHKHARAH	1012Z	05Sep2018	0.87m
SUR	1018Z	05Sep2018	0.84m
QURAYYAT	1030Z	05Sep2018	0.92m
MUSCAT	1040Z	05Sep2018	0.95m
BARKA	1058Z	05Sep2018	0.62m
AL KHABURAH	1106Z	05Sep2018	0.59m
SOHAR	1134Z	05Sep2018	0.54m
EAST MUSANDAM	1158Z	05Sep2018	1.25m

PAKISTAN

ORMARA	1032Z	05Sep2018	1.09m
WINDER	1050Z	05Sep2018	1.84m
KARACHI	1110Z	05Sep2018	2.66m
SINDH	1408Z	05Sep2018	1.70m

SEYCHELLES

FREGATE ISLAND	0906Z	05Sep2018	3.92m
COETIVY ISLAND	0910Z	05Sep2018	3.41m
TAKAMAKA	0924Z	05Sep2018	5.73m
ILE DESROCHES	0936Z	05Sep2018	3.21m
ALPHONSE ISLAND	0948Z	05Sep2018	1.80m
FARQUHAR GROUP	1006Z	05Sep2018	2.05m
ASTOVE ISLAND	1036Z	05Sep2018	1.84m
ALDABRA	1048Z	05Sep2018	2.38m

SOMALIA

BANDER-BEYLA	1000Z	05Sep2018	5.63m
TOOXIN	1006Z	05Sep2018	4.76m
EYL	1006Z	05Sep2018	4.24m
GALDOGOB	1012Z	05Sep2018	5.65m
JARIIBAN	1012Z	05Sep2018	4.46m
XARARDHEERE	1016Z	05Sep2018	5.36m
CEEL DHEER	1018Z	05Sep2018	4.55m
MAREEG	1020Z	05Sep2018	4.70m
ABO	1020Z	05Sep2018	1.81m
ITALA	1020Z	05Sep2018	4.14m
UARSCIECH	1028Z	05Sep2018	4.52m
MUQDISHO	1032Z	05Sep2018	5.76m
BEYNAX BARRE	1042Z	05Sep2018	3.86m
BARAAWE	1044Z	05Sep2018	3.92m
TURDHO	1052Z	05Sep2018	3.45m
JILIB	1052Z	05Sep2018	2.47m
NE BEERNAASI	1058Z	05Sep2018	3.78m
KAAMBOONI	1106Z	05Sep2018	3.82m
QANDALA	1108Z	05Sep2018	0.58m
BOSASO	1124Z	05Sep2018	0.51m
MAYDH	1142Z	05Sep2018	0.58m
KABURA	1152Z	05Sep2018	0.58m
BAKI	1200Z	05Sep2018	0.67m
SAYLAC	1238Z	05Sep2018	0.64m
LOYADO	1244Z	05Sep2018	0.70m
HADAAFTIMO	1424Z	05Sep2018	0.59m

SOUTH AFRICA

LAKE SIBAYI	1332Z	05Sep2018	3.12m
GWABALANDA HITAWI	1334Z	05Sep2018	2.75m
PORT DURNFORD	1334Z	05Sep2018	3.91m
KOSIMEER	1338Z	05Sep2018	2.79m
FUNK SEAMOUNT	1342Z	05Sep2018	6.82m
MANDI	1346Z	05Sep2018	3.72m
MARGATE	1346Z	05Sep2018	6.37m
BIZANA	1348Z	05Sep2018	4.11m
KELSO	1348Z	05Sep2018	4.66m
LUSIKISIKI	1350Z	05Sep2018	3.94m

PORT ST JOHNS	1350Z	05Sep2018	3.94m
ELLIOTDALE	1350Z	05Sep2018	3.94m
BATHURST	1350Z	05Sep2018	3.94m
PORT ELIZABETH	1350Z	05Sep2018	3.94m
HANKEY	1350Z	05Sep2018	3.94m
ABORETUM	1350Z	05Sep2018	3.30m
GEORGE	1350Z	05Sep2018	3.94m
BREDASDORP	1350Z	05Sep2018	3.94m
WILLOWVALE	1350Z	05Sep2018	3.94m
KENTANI	1350Z	05Sep2018	3.94m
MARSHSTRAND	1350Z	05Sep2018	3.94m
PEDDIE	1350Z	05Sep2018	3.94m
ALEXANDRIA	1350Z	05Sep2018	3.94m
HUMANSDORP	1350Z	05Sep2018	3.94m
MOSSEL	1350Z	05Sep2018	3.94m
HEIDELBERG	1350Z	05Sep2018	3.94m
NGQUELENI	1350Z	05Sep2018	3.94m
WITAAND	1350Z	05Sep2018	3.94m
GAMTOOS	1350Z	05Sep2018	3.94m
ZIKHOVA	1350Z	05Sep2018	3.94m
KAYSER'S BEACH	1350Z	05Sep2018	3.94m

SRI LANKA

OKANDA	0444Z	05Sep2018	9.34m
KIRINDA	0444Z	05Sep2018	8.09m
POTTUVIL	0444Z	05Sep2018	9.62m
AKKARAIATTU	0444Z	05Sep2018	9.33m
BATTICALOA	0446Z	05Sep2018	9.51m
KATTANKUDI	0450Z	05Sep2018	8.33m
HAMBANTOTA	0450Z	05Sep2018	9.08m
ANAITIVU	0454Z	05Sep2018	9.23m
PANKULAM	0454Z	05Sep2018	7.14m
TANGALLE	0454Z	05Sep2018	6.76m
MATARA	0456Z	05Sep2018	6.46m
GALLE	0500Z	05Sep2018	6.46m
MULLAITTIVU	0500Z	05Sep2018	5.82m
CHUNDIKKULAM	0506Z	05Sep2018	5.96m
AMBALANGODA	0506Z	05Sep2018	4.16m
BERUWALA	0514Z	05Sep2018	3.79m
CHAVAKACHCHERI	0516Z	05Sep2018	3.24m
COLOMBO	0520Z	05Sep2018	3.13m
MORATUWA	0522Z	05Sep2018	5.72m
POINT PEDRO	0522Z	05Sep2018	3.23m
NEGOMBO	0530Z	05Sep2018	3.47m
MUNDAL LAKE	0534Z	05Sep2018	2.75m
MANNAR ISLAND	0544Z	05Sep2018	1.74m
MUSALI	0556Z	05Sep2018	1.40m

TANZANIA

VUMBA	1128Z	05Sep2018	2.26m
VUMBI	1132Z	05Sep2018	2.33m
ZANZIBAR	1136Z	05Sep2018	2.53m
GAZIJA	1138Z	05Sep2018	2.10m
JIMBO	1140Z	05Sep2018	2.34m
KUTANI	1142Z	05Sep2018	3.65m
MADANGWA	1142Z	05Sep2018	1.92m
SONGO SONGO ISLAND	1144Z	05Sep2018	1.73m
RUVU	1144Z	05Sep2018	2.38m
BOMALANDNI	1150Z	05Sep2018	1.56m
WEST TO KONDE	1150Z	05Sep2018	2.03m
MSASANI	1150Z	05Sep2018	2.07m
BAGAMOYO	1152Z	05Sep2018	1.93m

THAILAND

THAI MUEANG	0434Z	05Sep2018	6.19m
KO RACHA NOI	0444Z	05Sep2018	4.24m
KOH SURIN TAI	0504Z	05Sep2018	3.85m
KOH LANTA YAI	0518Z	05Sep2018	3.07m
KOH ROK	0528Z	05Sep2018	2.23m
THAI MUEANG TAKUA PA	0530Z	05Sep2018	4.35m
KOH TARUTAO	0538Z	05Sep2018	2.40m
MUEANG SATUN	0538Z	05Sep2018	2.40m

TIMOR-LESTE

BOBONARO	0826Z	05Sep2018	0.87m
PANTE MACASSAR	0826Z	05Sep2018	0.83m
LIQUICA	0834Z	05Sep2018	0.69m

IOC Technical Series, 138 (I) Supplement 2
page 26

UNITED ARAB EMIRATES
KALBA 1136Z 05Sep2018 1.19m

UNITED KINGDOM
MORESBY ISLAND 0628Z 05Sep2018 11.63m
DIEGO GARCIA 0630Z 05Sep2018 12.10m
NW EGMONT ISLAND 0650Z 05Sep2018 7.10m

YEMEN
SOCOTRA ISLAND SOUTH 0942Z 05Sep2018 5.07m
SOCOTRA ISLAND NORTH 0958Z 05Sep2018 3.17m
SOCOTRA ISLAND WEST 1012Z 05Sep2018 1.45m
DAMQAWT 1012Z 05Sep2018 3.63m
AL GHAYDAH AIRPORT 1028Z 05Sep2018 2.74m
HUSWAYN 1034Z 05Sep2018 1.84m
ALQUMRAH 1042Z 05Sep2018 1.53m
HAMI 1106Z 05Sep2018 0.91m
AL MUKALLA 1108Z 05Sep2018 0.90m
MASILAH WADI 1108Z 05Sep2018 1.39m
BROM MAYFA 1110Z 05Sep2018 0.76m
HARRAH 1110Z 05Sep2018 1.27m
EAST TO HAMI 1112Z 05Sep2018 0.92m
RUDUM 1120Z 05Sep2018 0.70m
AHWAR 1134Z 05Sep2018 0.64m
KHANFAR 1158Z 05Sep2018 1.40m
MA'ALLAH 1244Z 05Sep2018 0.78m
QAWAH 1246Z 05Sep2018 0.76m
AL MUALLA 1306Z 05Sep2018 0.69m
ADEN 1550Z 05Sep2018 1.06m

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 5

IDY68501

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

#####

TSUNAMI BULLETIN NUMBER 5 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)
ISSUED AT 0432 UTC Wednesday 05 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: 9.3 Mwp
Depth: 10km
Date: 05 Sep 2018
Origin Time: 0300 UTC
Latitude: 3.30N
Longitude: 96.00E
Location: Northern Sumatra, Indonesia

2. EVALUATION

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

Sabang	INDONESIA	5.80N	95.33E	8.00m	05 Sep 03:25 UTC
Meulaboh	INDONESIA	4.17N	96.00E	8.00m	05 Sep 03:40 UTC
Telukdalam	INDONESIA	0.50N	97.83E	6.00m	05 Sep 03:45 UTC
Deep Ocean Buoy 23227	BAY OF BENGAL	6.26N	88.79E	0.46m	05 Sep 04:19 UTC
Seblat	INDONESIA	3.17S	101.50E	1.80m	05 Sep 04:20 UTC
Deep Ocean Buoy 23401	NICOBAR ISLAND	8.90N	88.50E	0.33m	05 Sep 04:24 UTC
Deep Ocean Buoy 23219	BAY OF BENGAL	10.58N	89.28E	0.33m	05 Sep 04:24 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		
COCOS ISLAND	0438Z 05Sep2018	2.55m
CHRISTMAS ISLAND	0446Z 05Sep2018	1.02m
NINGALOO COAST	0700Z 05Sep2018	2.78m
PILBARA COAST WEST	0734Z 05Sep2018	3.92m
GASCOYNE COAST	0746Z 05Sep2018	2.60m

IOC Technical Series, 138 (I) Supplement 2
page 28

GERALDTON COAST	0752Z	05Sep2018	3.95m
ASHMORE REEF	0806Z	05Sep2018	0.59m
PILBARA COAST EAST	0812Z	05Sep2018	2.09m
LANCELIN COAST	0818Z	05Sep2018	2.22m
PERTH COAST	0824Z	05Sep2018	2.51m
BUNBURY GEOGRAPHE COAST	0842Z	05Sep2018	3.15m
LEEUEWIN COAST	0854Z	05Sep2018	2.47m
WEST KIMBERLY COAST	0900Z	05Sep2018	1.89m
ALBANY COAST	0914Z	05Sep2018	1.73m
NORTH KIMBERLY COAST	0956Z	05Sep2018	1.41m
ESPERENCE COAST	1228Z	05Sep2018	0.95m
HEARD ISLAND AND MCDONALD ISLANDS	1230Z	05Sep2018	10.77m
AURORA BANK	1240Z	05Sep2018	4.45m
WEST COAST VIC	1516Z	05Sep2018	1.36m
BEAGLE BONAPARTE COAST	1844Z	05Sep2018	0.81m
EUCLA COAST	1918Z	05Sep2018	1.14m
SOUTH WEST COAST TAS	1958Z	05Sep2018	1.61m
CENTRAL WEST COAST TAS	2006Z	05Sep2018	1.62m
FAR NORTH WEST COAST TAS	2034Z	05Sep2018	0.93m
SOUTH CENTRAL COAST SA	2050Z	05Sep2018	1.09m
LOWER SOUTH EAST COAST SA	2058Z	05Sep2018	1.31m
UPPER WEST COAST SA	2132Z	05Sep2018	1.05m
LOWER WEST COAST SA	2152Z	05Sep2018	0.77m
CENTRAL COAST SA	2208Z	05Sep2018	0.74m
NORTH TIWI COAST	2224Z	05Sep2018	0.82m
FAR WEST COAST SA	2230Z	05Sep2018	1.02m
UPPER SOUTH EAST COAST SA	2232Z	05Sep2018	1.22m
CENTRAL COAST VIC	2304Z	05Sep2018	0.82m
BANGLADESH			
COXS BAZAR	0638Z	05Sep2018	3.08m
CHALNA	0642Z	05Sep2018	1.91m
KUTUBDIA ISLAND	0650Z	05Sep2018	3.74m
BARGUNA	0650Z	05Sep2018	3.74m
COMOROS			
DZAOUDZI	1114Z	05Sep2018	0.96m
BAMBAAO	1116Z	05Sep2018	1.30m
CHEZANI	1120Z	05Sep2018	2.53m
FOMBONI	1122Z	05Sep2018	1.44m
DJIBOUTI			
NW ARTA	1240Z	05Sep2018	1.64m
MUHAMMAD ALI BIN FATHA SUMANA	1240Z	05Sep2018	1.39m
FRANCE			
LLE SAINT-PAUL-NORTH	0920Z	05Sep2018	3.48m
LLE SAINT-PAUL-SOUTH	0932Z	05Sep2018	3.38m
SAINT-DENIS	0952Z	05Sep2018	3.93m
SAINT - JOSEPH	0952Z	05Sep2018	4.74m
ILE KERGUELEN	1148Z	05Sep2018	9.96m
NES CROZET	1204Z	05Sep2018	4.28m
ILE DE LA POSSESSION	1204Z	05Sep2018	4.72m
CROZET PLATEAU	1214Z	05Sep2018	6.31m
INDIA			
INDIRA POINT	0316Z	05Sep2018	12.88m
KOMATRA & KATCHAL ISLAND	0326Z	05Sep2018	7.03m
CAR NICOBAR	0336Z	05Sep2018	4.76m
LITTLE ANDAMAN	0358Z	05Sep2018	3.24m
NORTH SENTINEL ISLAND	0406Z	05Sep2018	5.12m
PORT BLAIR	0422Z	05Sep2018	5.38m
HAVELOCK	0432Z	05Sep2018	6.62m
FLAT ISLAND	0432Z	05Sep2018	4.04m
WEST & LANDFALL ISLAND	0432Z	05Sep2018	3.03m
BARREN ISLAND	0434Z	05Sep2018	1.78m
RANGATH BAY	0440Z	05Sep2018	2.61m
NARCONDAM ISLAND	0450Z	05Sep2018	1.92m
DIGLIPUR	0452Z	05Sep2018	3.12m
MARAKKANAM	0520Z	05Sep2018	7.13m
CHENNAI	0522Z	05Sep2018	5.99m
CUDDALORE	0522Z	05Sep2018	4.93m
PUDUCHERRY	0522Z	05Sep2018	4.43m
MAHABALIPURAM	0522Z	05Sep2018	5.99m
MALLIPATTINAM	0526Z	05Sep2018	2.26m
POOMBUHAR	0526Z	05Sep2018	4.76m
KARAIKAL	0528Z	05Sep2018	3.37m

SRIHARIKOTA	0528Z	05Sep2018	4.35m
NAGAPATTINAM	0528Z	05Sep2018	3.56m
ENNORE	0530Z	05Sep2018	8.31m
MUTHUPET	0532Z	05Sep2018	2.00m
KAKINADA	0536Z	05Sep2018	3.02m
MACHILIPATNAM	0536Z	05Sep2018	4.09m
PERUPALEM	0540Z	05Sep2018	3.58m
NIJAMPATTANAM	0542Z	05Sep2018	3.10m
KOTTAPATNAM	0544Z	05Sep2018	3.92m
TUTICORIN	0544Z	05Sep2018	2.76m
VISAKHAPATNAM	0546Z	05Sep2018	3.71m
KONADA	0550Z	05Sep2018	2.99m
KALINGAPATNAM	0550Z	05Sep2018	4.54m
KOODANKULAM	0552Z	05Sep2018	3.92m
PARADIP	0554Z	05Sep2018	5.35m
RAMESWARAM	0554Z	05Sep2018	2.33m
PURI	0556Z	05Sep2018	4.45m
KOTTTAIPPATTANAM	0558Z	05Sep2018	1.59m
GOPALPUR	0602Z	05Sep2018	4.41m
KANYAKUMARI	0604Z	05Sep2018	3.92m
JAMBOO	0612Z	05Sep2018	4.11m
TRIVANDRUM	0618Z	05Sep2018	2.55m
QUILON	0620Z	05Sep2018	2.31m
MINICOY	0628Z	05Sep2018	1.68m
ALLEPPEY ALAPPUZHA	0634Z	05Sep2018	3.00m
ANDROTH	0640Z	05Sep2018	1.29m
HEMNAGAR	0642Z	05Sep2018	1.56m
DHAMRA	0646Z	05Sep2018	3.80m
NAMKHANA	0648Z	05Sep2018	2.05m
KAVARATTI	0652Z	05Sep2018	1.31m
DIGHA	0656Z	05Sep2018	2.59m
AMINI	0700Z	05Sep2018	1.18m
VADANAPPALLY	0700Z	05Sep2018	2.24m
COCHIN	0700Z	05Sep2018	2.44m
AGATTI	0702Z	05Sep2018	1.31m
CHANDIPUR	0702Z	05Sep2018	3.05m
VAKKAD	0710Z	05Sep2018	1.79m
BEYPORE	0724Z	05Sep2018	2.08m
KANNUR	0732Z	05Sep2018	2.80m
MAHE	0734Z	05Sep2018	2.26m
KASARAGOD	0738Z	05Sep2018	2.50m
MANGALORE	0800Z	05Sep2018	1.80m
UDUPI	0816Z	05Sep2018	1.91m
KARWAR	0848Z	05Sep2018	2.14m
MALVAN BAY	0854Z	05Sep2018	1.77m
VASCO	0900Z	05Sep2018	1.65m
PANAJI	0902Z	05Sep2018	1.65m
JAIGARH	0920Z	05Sep2018	1.36m
PORBANDAR	1222Z	05Sep2018	1.37m
DWARKA	1224Z	05Sep2018	1.77m
JAMNAGAR	1240Z	05Sep2018	1.36m
MANGROL	1244Z	05Sep2018	1.47m
HAZIRA, DIU	1254Z	05Sep2018	2.87m
TARAPUR	1354Z	05Sep2018	1.27m
MANDVI	1358Z	05Sep2018	1.72m
MAHUVA	1506Z	05Sep2018	1.07m
KHAMBAT	1526Z	05Sep2018	0.86m
BHARUCH	1536Z	05Sep2018	0.93m
ALIBAG PORT	1544Z	05Sep2018	1.49m
MUMBAI	1544Z	05Sep2018	1.49m
PIPAVAV	1712Z	05Sep2018	0.90m
DAMAN	1918Z	05Sep2018	0.94m
BORSI	1918Z	05Sep2018	0.94m
HAZIRA	1920Z	05Sep2018	0.95m
INDONESIA			
SUMUT NIAS B	0300Z	05Sep2018	27.56m
NAD SIMEULUE P.SIMEULUE	0300Z	05Sep2018	28.15m
SUMUT NIAS-SELATAN P.TANAHMASA	0300Z	05Sep2018	19.88m
GUNUNGSITOLI	0300Z	05Sep2018	10.99m
SUMUT NIAS-SELATAN P.NIAS	0300Z	05Sep2018	27.88m
SUMUT NIAS-SELATAN P.TANABALA	0300Z	05Sep2018	18.83m
NAD ACEH-SINGKIL KEP.BANYAK	0306Z	05Sep2018	19.61m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0312Z	05Sep2018	10.63m
NIAS	0314Z	05Sep2018	11.95m
NIAS-NORTH	0316Z	05Sep2018	10.97m
SOUTH OF BODAHAYIONE	0316Z	05Sep2018	10.16m

IOC Technical Series, 138 (I) Supplement 2
page 30

NAD ACEH-JAYA	0322Z	05Sep2018	49.69m
NAD ACEH-BESAR B	0322Z	05Sep2018	44.99m
NIAS-EAST	0324Z	05Sep2018	8.07m
NAD ACEH-BESAR P.PENASI	0324Z	05Sep2018	46.49m
NAD ACEH-BESAR P.BREUEH	0324Z	05Sep2018	47.77m
NAD KOTA-BANDA-ACEH	0326Z	05Sep2018	26.01m
NAD KOTA-SABANG P.WEH	0326Z	05Sep2018	26.05m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0326Z	05Sep2018	4.77m
NAD ACEH-SELATAN S	0328Z	05Sep2018	14.94m
MUARASIBERUT	0328Z	05Sep2018	4.36m
SUMUT MANDAILING-NATAL U	0328Z	05Sep2018	11.62m
NAD ACEH-SINGKIL	0330Z	05Sep2018	8.73m
NAD NAGAN-RAYA	0332Z	05Sep2018	22.56m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0332Z	05Sep2018	5.87m
NAD ACEH-BARAT	0332Z	05Sep2018	50.27m
NAD ACEH-SELATAN U	0334Z	05Sep2018	14.37m
NAD ACEH-BARAT-DAYA	0338Z	05Sep2018	24.30m
NAD ACEH-BESAR U	0342Z	05Sep2018	15.41m
SUMUT TAPANULI-TENGAH U	0344Z	05Sep2018	17.35m
NAD PIDIE	0346Z	05Sep2018	7.48m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0346Z	05Sep2018	12.91m
SAKUBO	0350Z	05Sep2018	2.24m
SUMUT TAPANULI-SELATAN	0352Z	05Sep2018	15.34m
SUMBAR KOTA-PADANG U	0356Z	05Sep2018	6.91m
SUMUT TAPANULI-TENGAH S	0356Z	05Sep2018	11.86m
NAD BIREUEN	0358Z	05Sep2018	7.43m
MUARASIGEP	0400Z	05Sep2018	2.32m
SUMBAR PESISIR-SELATAN U	0400Z	05Sep2018	2.40m
SUMBAR PADANG-PARIAMAN U	0400Z	05Sep2018	2.19m
SUMBAR AGAM	0400Z	05Sep2018	3.89m
SUMBAR KOTA-PARIAMAN	0400Z	05Sep2018	2.26m
SUMBAR KOTA-PADANG S	0402Z	05Sep2018	2.29m
SUMUT MANDAILING-NATAL S	0402Z	05Sep2018	6.93m
SUMBAR KOTA-PADANG U	0402Z	05Sep2018	2.65m
SUMBAR PADANG-PARIAMAN S	0402Z	05Sep2018	2.16m
BENGKULU BENGKULU-UTARA P.ENGGANO	0404Z	05Sep2018	2.29m
NAD ACEH-UTARA B	0406Z	05Sep2018	7.43m
NAD KOTA-LHOKSEUMAWA	0408Z	05Sep2018	5.44m
MURASAIBI	0410Z	05Sep2018	2.14m
BENGKULU BENGKULU-UTARA U	0412Z	05Sep2018	1.85m
SUMBAR PESISIR-SELATAN S	0412Z	05Sep2018	2.31m
BENGKULU MUKOMUKO	0414Z	05Sep2018	2.05m
NAD ACEH-UTARA T	0416Z	05Sep2018	5.03m
BENGKULU BENGKULU-SELATAN	0422Z	05Sep2018	2.11m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0422Z	05Sep2018	2.62m
BENGKULU SELUMA	0422Z	05Sep2018	2.28m
BENGKULU BENGKULU-UTARA S	0424Z	05Sep2018	3.03m
BENGKULU KAUR	0424Z	05Sep2018	1.94m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0432Z	05Sep2018	2.32m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0434Z	05Sep2018	2.22m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0434Z	05Sep2018	2.24m
LAMPUNG TANGGAMUS B	0438Z	05Sep2018	2.09m
NAD ACEH-TIMUR	0440Z	05Sep2018	3.27m
BANTEN PANDEGLANG P.PANAITAN	0442Z	05Sep2018	1.43m
BANTEN PANDEGLANG S	0444Z	05Sep2018	1.34m
BANTEN LEBAK	0452Z	05Sep2018	2.08m
JABAR SUKABUMI UJUNG-GENTENG	0454Z	05Sep2018	1.39m
JABAR SUKABUMI PELABUHAN-RATU	0454Z	05Sep2018	6.99m
LAMPUNG TANGGAMUS T	0454Z	05Sep2018	3.30m
BANTEN KOTA-CILEGON P.SANGIANG	0456Z	05Sep2018	2.12m
BANTEN SERANG B	0456Z	05Sep2018	2.12m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0456Z	05Sep2018	2.00m
LAMPUNG TANGGAMUS P.TABUAN	0456Z	05Sep2018	1.27m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0456Z	05Sep2018	2.12m
JABAR CIANJUR SINDANGBARANG	0500Z	05Sep2018	1.74m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0502Z	05Sep2018	4.23m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0506Z	05Sep2018	2.00m
LAMPUNG LAMPUNG-SELATAN B	0506Z	05Sep2018	2.00m
JABAR GARUT	0508Z	05Sep2018	1.87m
JABAR TASIKMALAYA	0512Z	05Sep2018	1.96m
BANTEN PANDEGLANG U	0514Z	05Sep2018	2.90m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0526Z	05Sep2018	2.64m
JABAR CIAMIS	0528Z	05Sep2018	2.22m
JATENG PURWOREJO	0538Z	05Sep2018	2.36m
JATENG KEBUMEN	0538Z	05Sep2018	1.91m
NAD KOTA-LANGSA	0538Z	05Sep2018	1.31m
JATENG CILACAP	0542Z	05Sep2018	2.72m

LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0542Z	05Sep2018	3.36m
DIY KULON-PROGO	0544Z	05Sep2018	1.80m
DIY BANTUL	0544Z	05Sep2018	2.18m
DIY GUNUNG-KIDUL	0546Z	05Sep2018	2.23m
JATENG WONOGIRI	0552Z	05Sep2018	1.22m
JATIM PACITAN	0554Z	05Sep2018	1.99m
JATIM TRENGGALEK	0556Z	05Sep2018	1.99m
NAD ACEH-TAMIANG	0602Z	05Sep2018	1.35m
JATIM BLITAR	0606Z	05Sep2018	1.21m
JATIM MALANG	0606Z	05Sep2018	1.11m
JATIM TULUNGAGUNG	0612Z	05Sep2018	1.10m
JATIM JEMBER P.NUSABARUNG	0616Z	05Sep2018	0.87m
JATIM BANYUWANGI S	0618Z	05Sep2018	1.10m
JATIM JEMBER	0620Z	05Sep2018	1.13m
JATIM LUMAJANG	0624Z	05Sep2018	1.54m
BALI BADUNG PANTAI-KUTA	0630Z	05Sep2018	1.03m
BALI DENPASAR PANTAI-SANUR	0632Z	05Sep2018	0.75m
BALI TABANAN	0632Z	05Sep2018	1.42m
BALI KLUNGKUNG P.NUSAPENIDA	0634Z	05Sep2018	0.76m
NTB LOMBOK-TENGAH	0638Z	05Sep2018	0.93m
NTB LOMBOK-TIMUR S	0642Z	05Sep2018	1.07m
NTB SUMBAWA B	0644Z	05Sep2018	0.77m
SUMUT LANGKAT	0644Z	05Sep2018	1.42m
NTT SUMBA B	0706Z	05Sep2018	1.46m
NTB KOTA-BIMA S	0706Z	05Sep2018	1.03m
NTB SUMBAWA S	0706Z	05Sep2018	1.09m
NTB DOMPU S	0708Z	05Sep2018	0.75m
NTT SUMBA T	0712Z	05Sep2018	0.90m
BELAWAN	0712Z	05Sep2018	1.59m
NTT MANGGARAI-BARAT P.	0722Z	05Sep2018	1.11m
NTT MANGGARAI-BARAT S	0736Z	05Sep2018	1.40m
SUMUT DELISERDANG	0740Z	05Sep2018	1.47m
SUMUT ASAHAN	0742Z	05Sep2018	1.10m
SUMUT SERDANG-BEDAGAI	0746Z	05Sep2018	1.53m
NTT MANGGARAI S	0752Z	05Sep2018	0.94m
NTT NGADA S	0754Z	05Sep2018	0.76m
NTT KUPANG	0756Z	05Sep2018	0.76m
NTT ENDE S	0806Z	05Sep2018	0.61m
NTT SIKKA S	0812Z	05Sep2018	0.79m
NTT LEMBATA S	0814Z	05Sep2018	0.91m
NTT ROTENDAO	0816Z	05Sep2018	0.67m
NTT FLORES-TIMUR S	0816Z	05Sep2018	0.78m
NTT FLORES-TIMUR P.SOLOR	0816Z	05Sep2018	0.81m
NTT ALOR S	0816Z	05Sep2018	0.91m
NTT BELU U	0822Z	05Sep2018	1.07m
PANTE MACASSAR	0822Z	05Sep2018	0.90m
NTT KOTA-KUPANG	0826Z	05Sep2018	0.63m
LABUHAN BATU	1022Z	05Sep2018	0.70m
ROKAN HILIR	1102Z	05Sep2018	0.72m
DUMAI	0252Z	06Sep2018	0.64m

IRAN			
PUSHT	1042Z	05Sep2018	1.45m
BIR	1100Z	05Sep2018	1.00m
MISKI	1214Z	05Sep2018	1.31m

KENYA			
KIWAYU	1108Z	05Sep2018	2.97m
KIPINI	1132Z	05Sep2018	2.22m
MVULENI	1132Z	05Sep2018	2.12m
MALINDI	1134Z	05Sep2018	3.17m
TAKAUNGU	1136Z	05Sep2018	2.99m
KISIMACHANDE	1140Z	05Sep2018	2.45m

MADAGASCAR			
VOHEMAR	1024Z	05Sep2018	2.95m
ANOROTSANGANA	1026Z	05Sep2018	2.56m
TOAMASINA AIRPORT	1038Z	05Sep2018	4.32m
TAMPOLO	1044Z	05Sep2018	4.56m
GLORIOSO ISLANDS	1048Z	05Sep2018	0.95m
AMBAHY	1052Z	05Sep2018	10.43m
FARAFAGANA	1102Z	05Sep2018	8.79m
MANANTENINA	1104Z	05Sep2018	7.59m
AMBANJA	1124Z	05Sep2018	1.11m
BALY	1138Z	05Sep2018	2.07m
TAMOTAMO	1144Z	05Sep2018	1.14m
SAMPONA	1146Z	05Sep2018	5.56m

IOC Technical Series, 138 (I) Supplement 2
page 32

ANDROKA	1200Z	05Sep2018	2.95m
EUROPA ISLAND	1244Z	05Sep2018	1.03m
MANJA	1318Z	05Sep2018	1.19m
MALAYSIA			
SATUN	0638Z	05Sep2018	1.49m
YAN	0644Z	05Sep2018	1.15m
WEST OF ALOR SETAR	0702Z	05Sep2018	1.97m
KUALA MUDA	0702Z	05Sep2018	1.97m
SEBERANG PERAI SELATAN	0708Z	05Sep2018	1.57m
SEBERANG PERAI UTARA & BARAT DAYA	0720Z	05Sep2018	1.81m
KERIAN	0734Z	05Sep2018	1.50m
LARUT AND MATANG	0742Z	05Sep2018	1.55m
MANJUNG	0748Z	05Sep2018	1.54m
HILIR PERAK	0818Z	05Sep2018	1.02m
SABAK BERNAM	0906Z	05Sep2018	1.02m
KUALA SELANGOR	0958Z	05Sep2018	1.25m
KUALA LANGAT	0200Z	06Sep2018	0.78m
SEPANG	0250Z	06Sep2018	0.67m
MALDIVES			
THINADHOO	0604Z	05Sep2018	8.28m
KOLHUFUSHI	0604Z	05Sep2018	6.58m
DHIYAMIGILI	0606Z	05Sep2018	10.26m
MALE	0606Z	05Sep2018	7.08m
KULHUDUFFUSHI	0608Z	05Sep2018	4.39m
HITHADHOO	0610Z	05Sep2018	7.96m
GOIDHOO	0622Z	05Sep2018	4.75m
NILANDHOO	0626Z	05Sep2018	12.08m
FERIDHOO	0634Z	05Sep2018	4.79m
MAURITIUS			
LA FERME	0838Z	05Sep2018	9.73m
CARGADOS CARAJOS	0910Z	05Sep2018	13.58m
AGALEGA ISLAND	0920Z	05Sep2018	3.36m
GRANDE REVIERE SUD EST-EAST	0924Z	05Sep2018	5.87m
GRANDE REVIERE SUD EST-WEST	0940Z	05Sep2018	4.21m
MOZAMBIQUE			
MAGANJA	1142Z	05Sep2018	3.01m
MERONVI	1150Z	05Sep2018	2.50m
QUITERAJO	1154Z	05Sep2018	1.44m
TAVARI	1158Z	05Sep2018	1.46m
PEMBA	1158Z	05Sep2018	2.06m
MURREBUE	1200Z	05Sep2018	1.90m
MECUFI	1202Z	05Sep2018	1.73m
LURIO	1204Z	05Sep2018	1.88m
NANGATA	1206Z	05Sep2018	1.52m
LUMBO	1208Z	05Sep2018	1.12m
MINHAUINE	1208Z	05Sep2018	1.72m
MOGINCUAL	1218Z	05Sep2018	1.05m
NAMORRE	1242Z	05Sep2018	0.96m
INHARRIME	1316Z	05Sep2018	2.74m
POMENE	1326Z	05Sep2018	1.65m
VILANKULO	1328Z	05Sep2018	1.67m
MAGUEMBA	1330Z	05Sep2018	1.98m
INHASSORO	1342Z	05Sep2018	1.35m
MOEBASE	1344Z	05Sep2018	1.13m
ZAVALA	1344Z	05Sep2018	1.91m
OCONE	1348Z	05Sep2018	1.17m
MAPUTO	1348Z	05Sep2018	2.80m
VILA DO CHINDE	1348Z	05Sep2018	1.17m
XAI-XAI	1350Z	05Sep2018	4.22m
AMADE	1352Z	05Sep2018	1.11m
MALUANA	1354Z	05Sep2018	2.63m
NHANGAU	1404Z	05Sep2018	0.95m
MAIONGUE	1420Z	05Sep2018	1.82m
NOVA LUSITANIA	1422Z	05Sep2018	1.88m
MYANMAR			
LITTLE COCO ISLAND	0454Z	05Sep2018	2.13m
THAN KYUN	0502Z	05Sep2018	2.98m
GREAT WESTERN TORRES ISLAND	0504Z	05Sep2018	2.38m
PREPARIS ISLAND	0508Z	05Sep2018	2.33m
LORD LOUGHBOROUGH ISLAND	0510Z	05Sep2018	2.38m
KYWEGYAUNG	0540Z	05Sep2018	2.20m
CHEDUBA ISLAND	0540Z	05Sep2018	2.56m

MAWYEN	0548Z	05Sep2018	3.62m
SITTWE	0610Z	05Sep2018	3.73m
THAWINCHAUNG	0612Z	05Sep2018	2.57m
KYAUKPYU	0616Z	05Sep2018	2.28m
MALI KYUN	0620Z	05Sep2018	1.60m
PHARPON	0636Z	05Sep2018	2.28m
MAGYIGYAING	0646Z	05Sep2018	2.90m
YE	0652Z	05Sep2018	1.75m
YANGON-S	0658Z	05Sep2018	1.10m

OMAN			
HASIK	0952Z	05Sep2018	2.91m
AD DUQM	0956Z	05Sep2018	1.84m
AL JAZER	1000Z	05Sep2018	1.17m
MIRBAT	1000Z	05Sep2018	2.91m
RAS AR RUWAYS	1002Z	05Sep2018	2.19m
MASIRAH	1004Z	05Sep2018	1.15m
SALALAH	1008Z	05Sep2018	3.07m
TAQAH	1010Z	05Sep2018	3.92m
AL ASHKHARAH	1012Z	05Sep2018	0.87m
SUR	1018Z	05Sep2018	0.84m
MUSCAT	1040Z	05Sep2018	0.95m
SOHAR	1134Z	05Sep2018	0.54m
EAST MUSANDAM	1158Z	05Sep2018	1.25m

PAKISTAN			
ORMARA	1032Z	05Sep2018	1.09m
WINDER	1050Z	05Sep2018	1.84m
KARACHI	1110Z	05Sep2018	2.66m
SINDH	1408Z	05Sep2018	1.70m

SEYCHELLES			
FREGATE ISLAND	0906Z	05Sep2018	3.92m
COETIVY ISLAND	0910Z	05Sep2018	3.41m
TAKAMAKA	0924Z	05Sep2018	5.73m
ILE DESROCHES	0936Z	05Sep2018	3.21m
ALPHONSE ISLAND	0948Z	05Sep2018	1.80m
FARQUHAR GROUP	1006Z	05Sep2018	2.05m
ASTOVE ISLAND	1036Z	05Sep2018	1.84m
ALDABRA	1048Z	05Sep2018	2.38m

SOMALIA			
BANDER-BEYLA	1000Z	05Sep2018	5.63m
EYL	1006Z	05Sep2018	4.24m
TOOXIN	1006Z	05Sep2018	4.76m
JARIIBAN	1012Z	05Sep2018	4.46m
GALDOGOB	1012Z	05Sep2018	5.65m
XARARDHEERE	1016Z	05Sep2018	5.36m
CEEL DHEER	1018Z	05Sep2018	4.55m
MAREEG	1020Z	05Sep2018	4.70m
ABO	1020Z	05Sep2018	1.81m
ITALA	1020Z	05Sep2018	4.14m
UARSCIECH	1028Z	05Sep2018	4.52m
MUQDISHO	1032Z	05Sep2018	5.76m
BEYNAX BARRE	1042Z	05Sep2018	3.86m
BARAAWE	1044Z	05Sep2018	3.92m
TURDHO	1052Z	05Sep2018	3.45m
JILIB	1052Z	05Sep2018	2.47m
NE BEERNAASI	1058Z	05Sep2018	3.78m
KAAMBOONI	1106Z	05Sep2018	3.82m
QANDALA	1108Z	05Sep2018	0.58m
BOSASO	1124Z	05Sep2018	0.51m
SAYLAC	1238Z	05Sep2018	0.64m
LOYADO	1244Z	05Sep2018	0.70m
HADAAFTIMO	1424Z	05Sep2018	0.59m

SOUTH AFRICA			
LAKE SIBAYI	1332Z	05Sep2018	3.12m
GWABALANDA HITAWI	1334Z	05Sep2018	2.75m
PORT DURNFORD	1334Z	05Sep2018	3.91m
KOSIMEER	1338Z	05Sep2018	2.79m
FUNK SEAMOUNT	1342Z	05Sep2018	6.82m
MANDI	1346Z	05Sep2018	3.72m
MARGATE	1346Z	05Sep2018	6.37m
BIZANA	1348Z	05Sep2018	4.11m
KELSO	1348Z	05Sep2018	4.66m
LUSIKISIKI	1350Z	05Sep2018	3.94m

IOC Technical Series, 138 (I) Supplement 2
page 34

PORT ST JOHNS	1350Z	05Sep2018	3.94m
ELLIOTDALE	1350Z	05Sep2018	3.94m
BATHURST	1350Z	05Sep2018	3.94m
PORT ELIZABETH	1350Z	05Sep2018	3.94m
HANKEY	1350Z	05Sep2018	3.94m
ABORETUM	1350Z	05Sep2018	3.30m
GEORGE	1350Z	05Sep2018	3.94m
BREDASDORP	1350Z	05Sep2018	3.94m
WILLOWVALE	1350Z	05Sep2018	3.94m
KENTANI	1350Z	05Sep2018	3.94m
MARSHSTRAND	1350Z	05Sep2018	3.94m
PEDDIE	1350Z	05Sep2018	3.94m
ALEXANDRIA	1350Z	05Sep2018	3.94m
HUMANSDORP	1350Z	05Sep2018	3.94m
MOSSEL	1350Z	05Sep2018	3.94m
HEIDELBERG	1350Z	05Sep2018	3.94m
NGQUELENI	1350Z	05Sep2018	3.94m
WITAAND	1350Z	05Sep2018	3.94m
GAMTOOS	1350Z	05Sep2018	3.94m
ZIKHOVA	1350Z	05Sep2018	3.94m
KAYSER'S BEACH	1350Z	05Sep2018	3.94m

SRI LANKA

OKANDA	0444Z	05Sep2018	9.34m
KIRINDA	0444Z	05Sep2018	8.09m
POTTUVIL	0444Z	05Sep2018	9.62m
AKKARAIPATTU	0444Z	05Sep2018	9.33m
BATTICALOA	0446Z	05Sep2018	9.51m
KATTANKUDI	0450Z	05Sep2018	8.33m
HAMBANTOTA	0450Z	05Sep2018	9.08m
ANAITIVU	0454Z	05Sep2018	9.23m
PANKULAM	0454Z	05Sep2018	7.14m
TANGALLE	0454Z	05Sep2018	6.76m
MATARA	0456Z	05Sep2018	6.46m
GALLE	0500Z	05Sep2018	6.46m
MULLAITTIVU	0500Z	05Sep2018	5.82m
CHUNDIKKULAM	0506Z	05Sep2018	5.96m
AMBALANGODA	0506Z	05Sep2018	4.16m
BERUWALA	0514Z	05Sep2018	3.79m
CHAVAKACHCHERI	0516Z	05Sep2018	3.24m
COLOMBO	0520Z	05Sep2018	3.13m
MORATUWA	0522Z	05Sep2018	5.72m
POINT PEDRO	0522Z	05Sep2018	3.23m
NEGOMBO	0530Z	05Sep2018	3.47m
MUNDAL LAKE	0534Z	05Sep2018	2.75m
MANNAR ISLAND	0544Z	05Sep2018	1.74m
MUSALI	0556Z	05Sep2018	1.40m

TANZANIA

VUMBA	1128Z	05Sep2018	2.26m
VUMBI	1132Z	05Sep2018	2.33m
ZANZIBAR	1136Z	05Sep2018	2.53m
GAZIJA	1138Z	05Sep2018	2.10m
JIMBO	1140Z	05Sep2018	2.34m
KUTANI	1142Z	05Sep2018	3.65m
MADANGWA	1142Z	05Sep2018	1.92m
SONGO SONGO ISLAND	1144Z	05Sep2018	1.73m
RUUVU	1144Z	05Sep2018	2.38m
BOMALANDNI	1150Z	05Sep2018	1.56m
WEST TO KONDE	1150Z	05Sep2018	2.03m
MSASANI	1150Z	05Sep2018	2.07m
BAGAMOYO	1152Z	05Sep2018	1.93m

THAILAND

THAI MUEANG	0434Z	05Sep2018	6.19m
KO RACHA NOI	0444Z	05Sep2018	4.24m
KOH SURIN TAI	0504Z	05Sep2018	3.85m
KOH LANTA YAI	0518Z	05Sep2018	3.07m
KOH ROK	0528Z	05Sep2018	2.23m
THAI MUEANG TAKUA PA	0530Z	05Sep2018	4.35m
KOH TARUTAO	0538Z	05Sep2018	2.40m
MUEANG SATUN	0538Z	05Sep2018	2.40m

TIMOR-LESTE

BOBONARO	0826Z	05Sep2018	0.87m
PANTE MACASSAR	0826Z	05Sep2018	0.83m
LIQUICA	0834Z	05Sep2018	0.69m

UNITED ARAB EMIRATES
KALBA 1136Z 05Sep2018 1.19m

UNITED KINGDOM
MORESBY ISLAND 0628Z 05Sep2018 11.63m
DIEGO GARCIA 0630Z 05Sep2018 12.10m
NW EGMONT ISLAND 0650Z 05Sep2018 7.10m

YEMEN
SOCOTRA ISLAND SOUTH 0942Z 05Sep2018 5.07m
SOCOTRA ISLAND NORTH 0958Z 05Sep2018 3.17m
SOCOTRA ISLAND WEST 1012Z 05Sep2018 1.45m
DAMQAWT 1012Z 05Sep2018 3.63m
AL GHAYDAH AIRPORT 1028Z 05Sep2018 2.74m
HUSWAYN 1034Z 05Sep2018 1.84m
ALQUMRAH 1042Z 05Sep2018 1.53m
HAMI 1106Z 05Sep2018 0.91m
AL MUKALLA 1108Z 05Sep2018 0.90m
MASILAH WADI 1108Z 05Sep2018 1.39m
BROM MAYFA 1110Z 05Sep2018 0.76m
HARRAH 1110Z 05Sep2018 1.27m
EAST TO HAMI 1112Z 05Sep2018 0.92m
RUDUM 1120Z 05Sep2018 0.70m
AHWAR 1134Z 05Sep2018 0.64m
KHANFAR 1158Z 05Sep2018 1.40m
MA'ALLAH 1244Z 05Sep2018 0.78m
QAWAH 1246Z 05Sep2018 0.76m
AL MUALLA 1306Z 05Sep2018 0.69m
ADEN 1550Z 05Sep2018 1.06m

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 6

IDY68501

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

#####

TSUNAMI BULLETIN NUMBER 6 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)
ISSUED AT 0532 UTC Wednesday 05 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: 9.3 Mwp
Depth: 10km
Date: 05 Sep 2018
Origin Time: 0300 UTC
Latitude: 3.30N
Longitude: 96.00E
Location: Northern Sumatra, Indonesia

2. EVALUATION

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

Sabang	INDONESIA	5.80N	95.33E	8.00m	05 Sep 03:25 UTC
Meulaboh	INDONESIA	4.17N	96.00E	8.00m	05 Sep 03:40 UTC
Telukdalam	INDONESIA	0.50N	97.83E	6.00m	05 Sep 03:45 UTC
Deep Ocean Buoy 23227	BAY OF BENGAL	6.26N	88.79E	0.46m	05 Sep 04:19 UTC
Seblat	INDONESIA	3.17S	101.50E	1.80m	05 Sep 04:20 UTC
Deep Ocean Buoy 23401	NICOBAR ISLAND	8.90N	88.50E	0.33m	05 Sep 04:24 UTC
Deep Ocean Buoy 23219	BAY OF BENGAL	10.58N	89.28E	0.33m	05 Sep 04:24 UTC
Sibolga	INDONESIA	1.67N	98.67E	4.00m	05 Sep 04:40 UTC
Cocos Island	AUSTRALIA	12.10S	96.89E	2.20m	05 Sep 04:45 UTC
Ko Taphao Noi	THAILAND	7.80N	98.42E	2.50m	05 Sep 04:50 UTC
Christmas Island	AUSTRALIA	10.40S	105.67E	0.75m	05 Sep 05:00 UTC
Port Blair	INDIA	11.70N	92.76E	1.20m	05 Sep 05:00 UTC
Nancowry	INDIA	8.10N	93.55E	5.40m	05 Sep 05:15 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				
COCOS ISLAND	0438Z	05Sep2018	2.55m	
CHRISTMAS ISLAND	0446Z	05Sep2018	1.02m	
NINGALOO COAST	0700Z	05Sep2018	2.78m	
PILBARA COAST WEST	0734Z	05Sep2018	3.92m	
GASCOYNE COAST	0746Z	05Sep2018	2.60m	
GERALDTON COAST	0752Z	05Sep2018	3.95m	
ASHMORE REEF	0806Z	05Sep2018	0.59m	
PILBARA COAST EAST	0812Z	05Sep2018	2.09m	
LANCELIN COAST	0818Z	05Sep2018	2.22m	
PERTH COAST	0824Z	05Sep2018	2.51m	
BUNBURY GEOGRAPHE COAST	0842Z	05Sep2018	3.15m	
LEEUEWIN COAST	0854Z	05Sep2018	2.47m	
WEST KIMBERLY COAST	0900Z	05Sep2018	1.89m	
ALBANY COAST	0914Z	05Sep2018	1.73m	
NORTH KIMBERLY COAST	0956Z	05Sep2018	1.41m	
ESPERENCE COAST	1228Z	05Sep2018	0.95m	
HEARD ISLAND AND MCDONALD ISLANDS	1230Z	05Sep2018	10.77m	
AURORA BANK	1240Z	05Sep2018	4.45m	
WEST COAST VIC	1516Z	05Sep2018	1.36m	
BEAGLE BONAPARTE COAST	1844Z	05Sep2018	0.81m	
EUCLA COAST	1918Z	05Sep2018	1.14m	
SOUTH WEST COAST TAS	1958Z	05Sep2018	1.61m	
CENTRAL WEST COAST TAS	2006Z	05Sep2018	1.62m	
FAR NORTH WEST COAST TAS	2034Z	05Sep2018	0.93m	
SOUTH CENTRAL COAST SA	2050Z	05Sep2018	1.09m	
LOWER SOUTH EAST COAST SA	2058Z	05Sep2018	1.31m	
UPPER WEST COAST SA	2132Z	05Sep2018	1.05m	
LOWER WEST COAST SA	2152Z	05Sep2018	0.77m	
CENTRAL COAST SA	2208Z	05Sep2018	0.74m	
NORTH TIWI COAST	2224Z	05Sep2018	0.82m	
FAR WEST COAST SA	2230Z	05Sep2018	1.02m	
UPPER SOUTH EAST COAST SA	2232Z	05Sep2018	1.22m	
CENTRAL COAST VIC	2304Z	05Sep2018	0.82m	
BANGLADESH				
COXS BAZAR	0638Z	05Sep2018	3.08m	
CHALNA	0642Z	05Sep2018	1.91m	
KUTUBDIA ISLAND	0650Z	05Sep2018	3.74m	
BARGUNA	0650Z	05Sep2018	3.74m	
COMOROS				
DZAUDZI	1114Z	05Sep2018	0.96m	
BAMBAO	1116Z	05Sep2018	1.30m	
CHEZANI	1120Z	05Sep2018	2.53m	
FOMBONI	1122Z	05Sep2018	1.44m	
DJIBOUTI				
NW ARTA	1240Z	05Sep2018	1.64m	
MUHAMMAD ALI BIN FATHA SUMANA	1240Z	05Sep2018	1.39m	
FRANCE				
LLE SAINT-PAUL-NORTH	0920Z	05Sep2018	3.48m	
LLE SAINT-PAUL-SOUTH	0932Z	05Sep2018	3.38m	
SAINT-DENIS	0952Z	05Sep2018	3.93m	
SAINT - JOSEPH	0952Z	05Sep2018	4.74m	
ILE KERGUELEN	1148Z	05Sep2018	9.96m	
NES CROZET	1204Z	05Sep2018	4.28m	
ILE DE LA POSSESSION	1204Z	05Sep2018	4.72m	
CROZET PLATEAU	1214Z	05Sep2018	6.31m	
INDIA				
INDIRA POINT	0316Z	05Sep2018	12.88m	
KOMATRA & KATCHAL ISLAND	0326Z	05Sep2018	7.03m	
CAR NICOBAR	0336Z	05Sep2018	4.76m	
LITTLE ANDAMAN	0358Z	05Sep2018	3.24m	
NORTH SENTINEL ISLAND	0406Z	05Sep2018	5.12m	
PORT BLAIR	0422Z	05Sep2018	5.38m	
HAVELOCK	0432Z	05Sep2018	6.62m	
FLAT ISLAND	0432Z	05Sep2018	4.04m	
WEST & LANDFALL ISLAND	0432Z	05Sep2018	3.03m	
BARREN ISLAND	0434Z	05Sep2018	1.78m	
RANGATH BAY	0440Z	05Sep2018	2.61m	
NARCONDAM ISLAND	0450Z	05Sep2018	1.92m	
DIGLIPUR	0452Z	05Sep2018	3.12m	
MARAKKANAM	0520Z	05Sep2018	7.13m	
CHENNAI	0522Z	05Sep2018	5.99m	

IOC Technical Series, 138 (I) Supplement 2
page 38

CUDDALORE	0522Z	05Sep2018	4.93m
PUDUCHERRY	0522Z	05Sep2018	4.43m
MAHABALIPURAM	0522Z	05Sep2018	5.99m
MALLIPATTINAM	0526Z	05Sep2018	2.26m
POOMBUHAR	0526Z	05Sep2018	4.76m
KARAIKAL	0528Z	05Sep2018	3.37m
SRIHARIKOTA	0528Z	05Sep2018	4.35m
NAGAPATTINAM	0528Z	05Sep2018	3.56m
ENNORE	0530Z	05Sep2018	8.31m
MUTHUPET	0532Z	05Sep2018	2.00m
KAKINADA	0536Z	05Sep2018	3.02m
MACHILIPATNAM	0536Z	05Sep2018	4.09m
PERUPALEM	0540Z	05Sep2018	3.58m
NIJAMPATTANAM	0542Z	05Sep2018	3.10m
KOTTAPATNAM	0544Z	05Sep2018	3.92m
TUTICORIN	0544Z	05Sep2018	2.76m
VISAKHAPATNAM	0546Z	05Sep2018	3.71m
KONADA	0550Z	05Sep2018	2.99m
KALINGAPATNAM	0550Z	05Sep2018	4.54m
KOODANKULAM	0552Z	05Sep2018	3.92m
PARADIP	0554Z	05Sep2018	5.35m
RAMESWARAM	0554Z	05Sep2018	2.33m
PURI	0556Z	05Sep2018	4.45m
KOTTTAIPPATTANAM	0558Z	05Sep2018	1.59m
GOPALPUR	0602Z	05Sep2018	4.41m
KANYAKUMARI	0604Z	05Sep2018	3.92m
JAMBOO	0612Z	05Sep2018	4.11m
TRIVANDRUM	0618Z	05Sep2018	2.55m
QUILON	0620Z	05Sep2018	2.31m
MINICOY	0628Z	05Sep2018	1.68m
ALLEPPEY ALAPPUZHA	0634Z	05Sep2018	3.00m
ANDROTH	0640Z	05Sep2018	1.29m
HEMNAGAR	0642Z	05Sep2018	1.56m
DHAMRA	0646Z	05Sep2018	3.80m
NAMKHANA	0648Z	05Sep2018	2.05m
KAVARATTI	0652Z	05Sep2018	1.31m
DIGHA	0656Z	05Sep2018	2.59m
AMINI	0700Z	05Sep2018	1.18m
VADANAPPALLY	0700Z	05Sep2018	2.24m
COCHIN	0700Z	05Sep2018	2.44m
AGATTI	0702Z	05Sep2018	1.31m
CHANDIPUR	0702Z	05Sep2018	3.05m
VAKKAD	0710Z	05Sep2018	1.79m
BEYPORE	0724Z	05Sep2018	2.08m
KANNUR	0732Z	05Sep2018	2.80m
MAHE	0734Z	05Sep2018	2.26m
KASARAGOD	0738Z	05Sep2018	2.50m
MANGALORE	0800Z	05Sep2018	1.80m
UDUPI	0816Z	05Sep2018	1.91m
KARWAR	0848Z	05Sep2018	2.14m
MALVAN BAY	0854Z	05Sep2018	1.77m
VASCO	0900Z	05Sep2018	1.65m
PANAJI	0902Z	05Sep2018	1.65m
JAIGARH	0920Z	05Sep2018	1.36m
PORBANDAR	1222Z	05Sep2018	1.37m
DWARKA	1224Z	05Sep2018	1.77m
JAMNAGAR	1240Z	05Sep2018	1.36m
MANGROL	1244Z	05Sep2018	1.47m
HAZIRA, DIU	1254Z	05Sep2018	2.87m
TARAPUR	1354Z	05Sep2018	1.27m
MANDVI	1358Z	05Sep2018	1.72m
MAHUVA	1506Z	05Sep2018	1.07m
KHAMBAT	1526Z	05Sep2018	0.86m
BHARUCH	1536Z	05Sep2018	0.93m
ALIBAG PORT	1544Z	05Sep2018	1.49m
MUMBAI	1544Z	05Sep2018	1.49m
PIPAVAV	1712Z	05Sep2018	0.90m
DAMAN	1918Z	05Sep2018	0.94m
BORSI	1918Z	05Sep2018	0.94m
HAZIRA	1920Z	05Sep2018	0.95m
INDONESIA			
SUMUT NIAS B	0300Z	05Sep2018	27.56m
NAD SIMEULUE P.SIMEULUE	0300Z	05Sep2018	28.15m
SUMUT NIAS-SELATAN P.TANAHMASA	0300Z	05Sep2018	19.88m
GUNUNGSITOLI	0300Z	05Sep2018	10.99m
SUMUT NIAS-SELATAN P.NIAS	0300Z	05Sep2018	27.88m

SUMUT NIAS-SELATAN P.TANABALA	0300Z	05Sep2018	18.83m
NAD ACEH-SINGKIL KEP.BANYAK	0306Z	05Sep2018	19.61m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0312Z	05Sep2018	10.63m
NIAS	0314Z	05Sep2018	11.95m
NIAS-NORTH	0316Z	05Sep2018	10.97m
SOUTH OF BODAHAYIONE	0316Z	05Sep2018	10.16m
NAD ACEH-JAYA	0322Z	05Sep2018	49.69m
NAD ACEH-BESAR B	0322Z	05Sep2018	44.99m
NIAS-EAST	0324Z	05Sep2018	8.07m
NAD ACEH-BESAR P.PENASI	0324Z	05Sep2018	46.49m
NAD ACEH-BESAR P.BREUEH	0324Z	05Sep2018	47.77m
NAD KOTA-BANDA-ACEH	0326Z	05Sep2018	26.01m
NAD KOTA-SABANG P.WEH	0326Z	05Sep2018	26.05m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0326Z	05Sep2018	4.77m
NAD ACEH-SELATAN S	0328Z	05Sep2018	14.94m
MUARASIBERUT	0328Z	05Sep2018	4.36m
SUMUT MANDAILING-NATAL U	0328Z	05Sep2018	11.62m
NAD ACEH-SINGKIL	0330Z	05Sep2018	8.73m
NAD NAGAN-RAYA	0332Z	05Sep2018	22.56m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0332Z	05Sep2018	5.87m
NAD ACEH-BARAT	0332Z	05Sep2018	50.27m
NAD ACEH-SELATAN U	0334Z	05Sep2018	14.37m
NAD ACEH-BARAT-DAYA	0338Z	05Sep2018	24.30m
NAD ACEH-BESAR U	0342Z	05Sep2018	15.41m
SUMUT TAPANULI-TENGAH U	0344Z	05Sep2018	17.35m
NAD PIDIE	0346Z	05Sep2018	7.48m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0346Z	05Sep2018	12.91m
SAKUBO	0350Z	05Sep2018	2.24m
SUMUT TAPANULI-SELATAN	0352Z	05Sep2018	15.34m
SUMBAR KOTA-PADANG U	0356Z	05Sep2018	6.91m
SUMUT TAPANULI-TENGAH S	0356Z	05Sep2018	11.86m
NAD BIREUEN	0358Z	05Sep2018	7.43m
MUARASIGEP	0400Z	05Sep2018	2.32m
SUMBAR PESISIR-SELATAN U	0400Z	05Sep2018	2.40m
SUMBAR PADANG-PARIAMAN U	0400Z	05Sep2018	2.19m
SUMBAR AGAM	0400Z	05Sep2018	3.89m
SUMBAR KOTA-PARIAMAN	0400Z	05Sep2018	2.26m
SUMBAR KOTA-PADANG S	0402Z	05Sep2018	2.29m
SUMUT MANDAILING-NATAL S	0402Z	05Sep2018	6.93m
SUMBAR KOTA-PADANG U	0402Z	05Sep2018	2.65m
SUMBAR PADANG-PARIAMAN S	0402Z	05Sep2018	2.16m
BENGKULU BENGKULU-UTARA P.ENGGANO	0404Z	05Sep2018	2.29m
NAD ACEH-UTARA B	0406Z	05Sep2018	7.43m
NAD KOTA-LHOKSEUMAWA	0408Z	05Sep2018	5.44m
MURASAIBI	0410Z	05Sep2018	2.14m
BENGKULU BENGKULU-UTARA U	0412Z	05Sep2018	1.85m
SUMBAR PESISIR-SELATAN S	0412Z	05Sep2018	2.31m
BENGKULU MUKOMUKO	0414Z	05Sep2018	2.05m
NAD ACEH-UTARA T	0416Z	05Sep2018	5.03m
BENGKULU BENGKULU-SELATAN	0422Z	05Sep2018	2.11m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0422Z	05Sep2018	2.62m
BENGKULU SELUMA	0422Z	05Sep2018	2.28m
BENGKULU BENGKULU-UTARA S	0424Z	05Sep2018	3.03m
BENGKULU KAUR	0424Z	05Sep2018	1.94m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0432Z	05Sep2018	2.32m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0434Z	05Sep2018	2.22m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0434Z	05Sep2018	2.24m
LAMPUNG TANGGAMUS B	0438Z	05Sep2018	2.09m
NAD ACEH-TIMUR	0440Z	05Sep2018	3.27m
BANTEN PANDEGLANG P.PANAITAN	0442Z	05Sep2018	1.43m
BANTEN PANDEGLANG S	0444Z	05Sep2018	1.34m
BANTEN LEBAK	0452Z	05Sep2018	2.08m
JABAR SUKABUMI UJUNG-GENTENG	0454Z	05Sep2018	1.39m
JABAR SUKABUMI PELABUHAN-RATU	0454Z	05Sep2018	6.99m
LAMPUNG TANGGAMUS T	0454Z	05Sep2018	3.30m
BANTEN KOTA-CILEGON P.SANGIANG	0456Z	05Sep2018	2.12m
BANTEN SERANG B	0456Z	05Sep2018	2.12m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0456Z	05Sep2018	2.00m
LAMPUNG TANGGAMUS P.TABUAN	0456Z	05Sep2018	1.27m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0456Z	05Sep2018	2.12m
JABAR CIANJUR SINDANGBARANG	0500Z	05Sep2018	1.74m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0502Z	05Sep2018	4.23m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0506Z	05Sep2018	2.00m
LAMPUNG LAMPUNG-SELATAN B	0506Z	05Sep2018	2.00m
JABAR GARUT	0508Z	05Sep2018	1.87m
JABAR TASIKMALAYA	0512Z	05Sep2018	1.96m
BANTEN PANDEGLANG U	0514Z	05Sep2018	2.90m

IOC Technical Series, 138 (I) Supplement 2
page 40

LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0526Z	05Sep2018	2.64m
JABAR CIAMIS	0528Z	05Sep2018	2.22m
JATENG PURWOREJO	0538Z	05Sep2018	2.36m
JATENG KEBUMEN	0538Z	05Sep2018	1.91m
NAD KOTA-LANGSA	0538Z	05Sep2018	1.31m
JATENG CILACAP	0542Z	05Sep2018	2.72m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0542Z	05Sep2018	3.36m
DIY KULON-PROGO	0544Z	05Sep2018	1.80m
DIY BANTUL	0544Z	05Sep2018	2.18m
DIY GUNUNG-KIDUL	0546Z	05Sep2018	2.23m
JATENG WONOGIRI	0552Z	05Sep2018	1.22m
JATIM PACITAN	0554Z	05Sep2018	1.99m
JATIM TRENGGALEK	0556Z	05Sep2018	1.99m
NAD ACEH-TAMIAANG	0602Z	05Sep2018	1.35m
JATIM BLITAR	0606Z	05Sep2018	1.21m
JATIM MALANG	0606Z	05Sep2018	1.11m
JATIM TULUNGAGUNG	0612Z	05Sep2018	1.10m
JATIM JEMBER P.NUSABARUNG	0616Z	05Sep2018	0.87m
JATIM BANYUWANGI S	0618Z	05Sep2018	1.10m
JATIM JEMBER	0620Z	05Sep2018	1.13m
JATIM LUMAJANG	0624Z	05Sep2018	1.54m
BALI BADUNG PANTAI-KUTA	0630Z	05Sep2018	1.03m
BALI DENPASAR PANTAI-SANUR	0632Z	05Sep2018	0.75m
BALI TABANAN	0632Z	05Sep2018	1.42m
BALI KLUNGKUNG P.NUSAPENIDA	0634Z	05Sep2018	0.76m
NTB LOMBOK-TENGAH	0638Z	05Sep2018	0.93m
NTB LOMBOK-TIMUR S	0642Z	05Sep2018	1.07m
NTB SUMBAWA B	0644Z	05Sep2018	0.77m
SUMUT LANGKAT	0644Z	05Sep2018	1.42m
NTT SUMBA B	0706Z	05Sep2018	1.46m
NTB KOTA-BIMA S	0706Z	05Sep2018	1.03m
NTB SUMBAWA S	0706Z	05Sep2018	1.09m
NTB DOMPU S	0708Z	05Sep2018	0.75m
NTT SUMBA T	0712Z	05Sep2018	0.90m
BELAWAN	0712Z	05Sep2018	1.59m
NTT MANGGARAI-BARAT P.	0722Z	05Sep2018	1.11m
NTT MANGGARAI-BARAT S	0736Z	05Sep2018	1.40m
SUMUT DELISERDANG	0740Z	05Sep2018	1.47m
SUMUT ASAHAN	0742Z	05Sep2018	1.10m
SUMUT SERDANG-BEDAGAI	0746Z	05Sep2018	1.53m
NTT MANGGARAI S	0752Z	05Sep2018	0.94m
NTT NGADA S	0754Z	05Sep2018	0.76m
NTT KUPANG	0756Z	05Sep2018	0.76m
NTT ENDE S	0806Z	05Sep2018	0.61m
NTT SIKKA S	0812Z	05Sep2018	0.79m
NTT LEMBATA S	0814Z	05Sep2018	0.91m
NTT ROTENDAO	0816Z	05Sep2018	0.67m
NTT FLORES-TIMUR S	0816Z	05Sep2018	0.78m
NTT FLORES-TIMUR P.SOLOR	0816Z	05Sep2018	0.81m
NTT ALOR S	0816Z	05Sep2018	0.91m
NTT BELU U	0822Z	05Sep2018	1.07m
PANTE MACASSAR	0822Z	05Sep2018	0.90m
NTT KOTA-KUPANG	0826Z	05Sep2018	0.63m
LABUHAN BATU	1022Z	05Sep2018	0.70m
ROKAN HILIR	1102Z	05Sep2018	0.72m
DUMAI	0252Z	06Sep2018	0.64m

IRAN

PUSHT	1042Z	05Sep2018	1.45m
BIR	1100Z	05Sep2018	1.00m
MISKI	1214Z	05Sep2018	1.31m

KENYA

KIWAYU	1108Z	05Sep2018	2.97m
KIPINI	1132Z	05Sep2018	2.22m
MVULENI	1132Z	05Sep2018	2.12m
MALINDI	1134Z	05Sep2018	3.17m
TAKAUNGU	1136Z	05Sep2018	2.99m
KISIMACHANDE	1140Z	05Sep2018	2.45m

MADAGASCAR

VOHEMAR	1024Z	05Sep2018	2.95m
ANOROTSANGANA	1026Z	05Sep2018	2.56m
TOAMASINA AIRPORT	1038Z	05Sep2018	4.32m
TAMPOLO	1044Z	05Sep2018	4.56m
GLORIOSO ISLANDS	1048Z	05Sep2018	0.95m
AMBAHY	1052Z	05Sep2018	10.43m

FARAFAGANA	1102Z 05Sep2018	8.79m
MANANTENINA	1104Z 05Sep2018	7.59m
AMBANJA	1124Z 05Sep2018	1.11m
BALY	1138Z 05Sep2018	2.07m
TAMOTAMO	1144Z 05Sep2018	1.14m
SAMPONA	1146Z 05Sep2018	5.56m
ANDROKA	1200Z 05Sep2018	2.95m
EUROPA ISLAND	1244Z 05Sep2018	1.03m
MANJA	1318Z 05Sep2018	1.19m

MALAYSIA

SATUN	0638Z 05Sep2018	1.49m
YAN	0644Z 05Sep2018	1.15m
WEST OF ALOR SETAR	0702Z 05Sep2018	1.97m
KUALA MUDA	0702Z 05Sep2018	1.97m
SEBERANG PERAI SELATAN	0708Z 05Sep2018	1.57m
SEBERANG PERAI UTARA & BARAT DAYA	0720Z 05Sep2018	1.81m
KERIAN	0734Z 05Sep2018	1.50m
LARUT AND MATANG	0742Z 05Sep2018	1.55m
MANJUNG	0748Z 05Sep2018	1.54m
HILIR PERAK	0818Z 05Sep2018	1.02m
SABAK BERNAM	0906Z 05Sep2018	1.02m
KUALA SELANGOR	0958Z 05Sep2018	1.25m
KUALA LANGAT	0200Z 06Sep2018	0.78m
SEPANG	0250Z 06Sep2018	0.67m

MALDIVES

THINADHOO	0604Z 05Sep2018	8.28m
KOLHUFUSHI	0604Z 05Sep2018	6.58m
DHIYAMIGILI	0606Z 05Sep2018	10.26m
MALE	0606Z 05Sep2018	7.08m
KULHUDUFFUSHI	0608Z 05Sep2018	4.39m
HITHADHOO	0610Z 05Sep2018	7.96m
GOIDHOO	0622Z 05Sep2018	4.75m
NILANDHOO	0626Z 05Sep2018	12.08m
FERIDHOO	0634Z 05Sep2018	4.79m

MAURITIUS

LA FERME	0838Z 05Sep2018	9.73m
CARGADOS CARAJOS	0910Z 05Sep2018	13.58m
AGALEGA ISLAND	0920Z 05Sep2018	3.36m
GRANDE REVIERE SUD EST-EAST	0924Z 05Sep2018	5.87m
GRANDE REVIERE SUD EST-WEST	0940Z 05Sep2018	4.21m

MOZAMBIQUE

MAGANJA	1142Z 05Sep2018	3.01m
MERONVI	1150Z 05Sep2018	2.50m
QUITERAJO	1154Z 05Sep2018	1.44m
TAVARI	1158Z 05Sep2018	1.46m
PEMBA	1158Z 05Sep2018	2.06m
MURREBUE	1200Z 05Sep2018	1.90m
MECUFI	1202Z 05Sep2018	1.73m
LURIO	1204Z 05Sep2018	1.88m
NANGATA	1206Z 05Sep2018	1.52m
LUMBO	1208Z 05Sep2018	1.12m
MINHAUINE	1208Z 05Sep2018	1.72m
MOGINCUAL	1218Z 05Sep2018	1.05m
NAMORRE	1242Z 05Sep2018	0.96m
INHARRIME	1316Z 05Sep2018	2.74m
POMENE	1326Z 05Sep2018	1.65m
VILANKULO	1328Z 05Sep2018	1.67m
MAGUEMBA	1330Z 05Sep2018	1.98m
INHASSORO	1342Z 05Sep2018	1.35m
MOEBASE	1344Z 05Sep2018	1.13m
ZAVALA	1344Z 05Sep2018	1.91m
OCONE	1348Z 05Sep2018	1.17m
MAPUTO	1348Z 05Sep2018	2.80m
VILA DO CHINDE	1348Z 05Sep2018	1.17m
XAI-XAI	1350Z 05Sep2018	4.22m
AMADE	1352Z 05Sep2018	1.11m
MALUANA	1354Z 05Sep2018	2.63m
NHANGAU	1404Z 05Sep2018	0.95m
MAIONGUE	1420Z 05Sep2018	1.82m
NOVA LUSITANIA	1422Z 05Sep2018	1.88m

MYANMAR

LITTLE COCO ISLAND	0454Z 05Sep2018	2.13m
--------------------	-----------------	-------

IOC Technical Series, 138 (I) Supplement 2
page 42

THAN KYUN	0502Z	05Sep2018	2.98m
GREAT WESTERN TORRES ISLAND	0504Z	05Sep2018	2.38m
PREPARIS ISLAND	0508Z	05Sep2018	2.33m
LORD LOUGHBOROUGH ISLAND	0510Z	05Sep2018	2.38m
KYWEGYAUNG	0540Z	05Sep2018	2.20m
CHEDUBA ISLAND	0540Z	05Sep2018	2.56m
MAWYEN	0548Z	05Sep2018	3.62m
SITTWE	0610Z	05Sep2018	3.73m
THAWINCHAUNG	0612Z	05Sep2018	2.57m
KYAUKPYU	0616Z	05Sep2018	2.28m
MALI KYUN	0620Z	05Sep2018	1.60m
PHARPON	0636Z	05Sep2018	2.28m
MAGYIGYAING	0646Z	05Sep2018	2.90m
YE	0652Z	05Sep2018	1.75m
YANGON-S	0658Z	05Sep2018	1.10m

OMAN

HASIK	0952Z	05Sep2018	2.91m
AD DUQM	0956Z	05Sep2018	1.84m
AL JAZER	1000Z	05Sep2018	1.17m
MIRBAT	1000Z	05Sep2018	2.91m
RAS AR RUWAYS	1002Z	05Sep2018	2.19m
MASIRAH	1004Z	05Sep2018	1.15m
SALALAH	1008Z	05Sep2018	3.07m
TAQAH	1010Z	05Sep2018	3.92m
AL ASHKHARAH	1012Z	05Sep2018	0.87m
SUR	1018Z	05Sep2018	0.84m
MUSCAT	1040Z	05Sep2018	0.95m
SOHAR	1134Z	05Sep2018	0.54m
EAST MUSANDAM	1158Z	05Sep2018	1.25m

PAKISTAN

ORMARA	1032Z	05Sep2018	1.09m
WINDER	1050Z	05Sep2018	1.84m
KARACHI	1110Z	05Sep2018	2.66m
SINDH	1408Z	05Sep2018	1.70m

SEYCHELLES

FREGATE ISLAND	0906Z	05Sep2018	3.92m
COETIVY ISLAND	0910Z	05Sep2018	3.41m
TAKAMAKA	0924Z	05Sep2018	5.73m
ILE DESROCHES	0936Z	05Sep2018	3.21m
ALPHONSE ISLAND	0948Z	05Sep2018	1.80m
FARQUHAR GROUP	1006Z	05Sep2018	2.05m
ASTOVE ISLAND	1036Z	05Sep2018	1.84m
ALDABRA	1048Z	05Sep2018	2.38m

SOMALIA

BANDER-BEYLA	1000Z	05Sep2018	5.63m
EYL	1006Z	05Sep2018	4.24m
TOOXIN	1006Z	05Sep2018	4.76m
JARIIBAN	1012Z	05Sep2018	4.46m
GALDOGOB	1012Z	05Sep2018	5.65m
XARARDHEERE	1016Z	05Sep2018	5.36m
CEEL DHEER	1018Z	05Sep2018	4.55m
MAREEG	1020Z	05Sep2018	4.70m
ABO	1020Z	05Sep2018	1.81m
ITALA	1020Z	05Sep2018	4.14m
UARSCIECH	1028Z	05Sep2018	4.52m
MUQDISHO	1032Z	05Sep2018	5.76m
BEYNAX BARRE	1042Z	05Sep2018	3.86m
BARAAWE	1044Z	05Sep2018	3.92m
TURDHO	1052Z	05Sep2018	3.45m
JILIB	1052Z	05Sep2018	2.47m
NE BEERNAASI	1058Z	05Sep2018	3.78m
KAAMBOONI	1106Z	05Sep2018	3.82m
QANDALA	1108Z	05Sep2018	0.58m
BOSASO	1124Z	05Sep2018	0.51m
SAYLAC	1238Z	05Sep2018	0.64m
LOYADO	1244Z	05Sep2018	0.70m
HADAAFTIMO	1424Z	05Sep2018	0.59m

SOUTH AFRICA

LAKE SIBAYI	1332Z	05Sep2018	3.12m
GWABALANDA HITAWI	1334Z	05Sep2018	2.75m
PORT DURNFORD	1334Z	05Sep2018	3.91m
KOSIMEER	1338Z	05Sep2018	2.79m

FUNK SEAMOUNT	1342Z	05Sep2018	6.82m
MANDI	1346Z	05Sep2018	3.72m
MARGATE	1346Z	05Sep2018	6.37m
BIZANA	1348Z	05Sep2018	4.11m
KELSO	1348Z	05Sep2018	4.66m
LUSIKISIKI	1350Z	05Sep2018	3.94m
PORT ST JOHNS	1350Z	05Sep2018	3.94m
ELLIOTDALE	1350Z	05Sep2018	3.94m
BATHURST	1350Z	05Sep2018	3.94m
PORT ELIZABETH	1350Z	05Sep2018	3.94m
HANKEY	1350Z	05Sep2018	3.94m
ABORETUM	1350Z	05Sep2018	3.30m
GEORGE	1350Z	05Sep2018	3.94m
BREDASDORP	1350Z	05Sep2018	3.94m
WILLOWVALE	1350Z	05Sep2018	3.94m
KENTANI	1350Z	05Sep2018	3.94m
MARSHSTRAND	1350Z	05Sep2018	3.94m
PEDDIE	1350Z	05Sep2018	3.94m
ALEXANDRIA	1350Z	05Sep2018	3.94m
HUMANSDORP	1350Z	05Sep2018	3.94m
MOSSEL	1350Z	05Sep2018	3.94m
HEIDELBERG	1350Z	05Sep2018	3.94m
NGQUELENI	1350Z	05Sep2018	3.94m
WITAAND	1350Z	05Sep2018	3.94m
GAMTOOS	1350Z	05Sep2018	3.94m
ZIKHOVA	1350Z	05Sep2018	3.94m
KAYSER'S BEACH	1350Z	05Sep2018	3.94m

SRI LANKA

OKANDA	0444Z	05Sep2018	9.34m
KIRINDA	0444Z	05Sep2018	8.09m
POTTUVIL	0444Z	05Sep2018	9.62m
AKKARAIATTU	0444Z	05Sep2018	9.33m
BATTICALOA	0446Z	05Sep2018	9.51m
KATTANKUDI	0450Z	05Sep2018	8.33m
HAMBANTOTA	0450Z	05Sep2018	9.08m
ANAITIVU	0454Z	05Sep2018	9.23m
PANKULAM	0454Z	05Sep2018	7.14m
TANGALLE	0454Z	05Sep2018	6.76m
MATARA	0456Z	05Sep2018	6.46m
GALLE	0500Z	05Sep2018	6.46m
MULLAITTIVU	0500Z	05Sep2018	5.82m
CHUNDIKKULAM	0506Z	05Sep2018	5.96m
AMBALANGODA	0506Z	05Sep2018	4.16m
BERUWALA	0514Z	05Sep2018	3.79m
CHAVAKACHCHERI	0516Z	05Sep2018	3.24m
COLOMBO	0520Z	05Sep2018	3.13m
MORATUWA	0522Z	05Sep2018	5.72m
POINT PEDRO	0522Z	05Sep2018	3.23m
NEGOMBO	0530Z	05Sep2018	3.47m
MUNDAL LAKE	0534Z	05Sep2018	2.75m
MANNAR ISLAND	0544Z	05Sep2018	1.74m
MUSALI	0556Z	05Sep2018	1.40m

TANZANIA

VUMBA	1128Z	05Sep2018	2.26m
VUMBI	1132Z	05Sep2018	2.33m
ZANZIBAR	1136Z	05Sep2018	2.53m
GAZIJA	1138Z	05Sep2018	2.10m
JIMBO	1140Z	05Sep2018	2.34m
KUTANI	1142Z	05Sep2018	3.65m
MADANGWA	1142Z	05Sep2018	1.92m
SONGO SONGO ISLAND	1144Z	05Sep2018	1.73m
RUVU	1144Z	05Sep2018	2.38m
BOMALANDNI	1150Z	05Sep2018	1.56m
WEST TO KONDE	1150Z	05Sep2018	2.03m
MSASANI	1150Z	05Sep2018	2.07m
BAGAMOYO	1152Z	05Sep2018	1.93m

THAILAND

THAI MUEANG	0434Z	05Sep2018	6.19m
KO RACHA NOI	0444Z	05Sep2018	4.24m
KOH SURIN TAI	0504Z	05Sep2018	3.85m
KOH LANTA YAI	0518Z	05Sep2018	3.07m
KOH ROK	0528Z	05Sep2018	2.23m
THAI MUEANG TAKUA PA	0530Z	05Sep2018	4.35m
KOH TARUTAO	0538Z	05Sep2018	2.40m

IOC Technical Series, 138 (I) Supplement 2
page 44

MUEANG SATUN 0538Z 05Sep2018 2.40m

TIMOR-LESTE

BOBONARO 0826Z 05Sep2018 0.87m
PANTE MACASSAR 0826Z 05Sep2018 0.83m
LIQUICA 0834Z 05Sep2018 0.69m

UNITED ARAB EMIRATES

KALBA 1136Z 05Sep2018 1.19m

UNITED KINGDOM

MORESBY ISLAND 0628Z 05Sep2018 11.63m
DIEGO GARCIA 0630Z 05Sep2018 12.10m
NW EGMONT ISLAND 0650Z 05Sep2018 7.10m

YEMEN

SOCOTRA ISLAND SOUTH 0942Z 05Sep2018 5.07m
SOCOTRA ISLAND NORTH 0958Z 05Sep2018 3.17m
SOCOTRA ISLAND WEST 1012Z 05Sep2018 1.45m
DAMQAWT 1012Z 05Sep2018 3.63m
AL GHAYDAH AIRPORT 1028Z 05Sep2018 2.74m
HUSWAYN 1034Z 05Sep2018 1.84m
ALQUMRAH 1042Z 05Sep2018 1.53m
HAMI 1106Z 05Sep2018 0.91m
AL MUKALLA 1108Z 05Sep2018 0.90m
MASILAH WADI 1108Z 05Sep2018 1.39m
BROM MAYFA 1110Z 05Sep2018 0.76m
HARRAH 1110Z 05Sep2018 1.27m
EAST TO HAMI 1112Z 05Sep2018 0.92m
RUDUM 1120Z 05Sep2018 0.70m
AHWAR 1134Z 05Sep2018 0.64m
KHANFAR 1158Z 05Sep2018 1.40m
MA'ALLAH 1244Z 05Sep2018 0.78m
QAWAH 1246Z 05Sep2018 0.76m
AL MUALLA 1306Z 05Sep2018 0.69m
ADEN 1550Z 05Sep2018 1.06m

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 7

IDY68501

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

```
-----  
TSUNAMI BULLETIN NUMBER 7 (TYPE-III CONFIRMED THREAT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 0632 UTC Wednesday 05 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: 9.3 Mwp
Depth: 10km
Date: 05 Sep 2018
Origin Time: 0300 UTC
Latitude: 3.30N
Longitude: 96.00E
Location: Northern Sumatra, Indonesia

2. EVALUATION

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

Sabang	INDONESIA	5.80N	95.33E	8.00m	05 Sep 03:25 UTC
Meulaboh	INDONESIA	4.17N	96.00E	8.00m	05 Sep 03:40 UTC
Telukdalam	INDONESIA	0.50N	97.83E	6.00m	05 Sep 03:45 UTC
Deep Ocean Buoy 23227	BAY OF BENGAL	6.26N	88.79E	0.46m	05 Sep 04:19 UTC
Seblat	INDONESIA	3.17S	101.50E	1.80m	05 Sep 04:20 UTC
Deep Ocean Buoy 23401	NICOBAR ISLAND	8.90N	88.50E	0.33m	05 Sep 04:24 UTC
Deep Ocean Buoy 23219	BAY OF BENGAL	10.58N	89.28E	0.33m	05 Sep 04:24 UTC
Sibolga	INDONESIA	1.67N	98.67E	4.00m	05 Sep 04:40 UTC
Cocos Island	AUSTRALIA	12.10S	96.89E	2.20m	05 Sep 04:45 UTC
Ko Taphao Noi	THAILAND	7.80N	98.42E	2.50m	05 Sep 04:50 UTC
Christmas Island	AUSTRALIA	10.40S	105.67E	0.75m	05 Sep 05:00 UTC
Port Blair	INDIA	11.70N	92.76E	1.20m	05 Sep 05:00 UTC
Nancowry	INDIA	8.10N	93.55E	5.40m	05 Sep 05:15 UTC
Padang	INDONESIA	1.00S	100.37E	2.00m	05 Sep 05:35 UTC
Trincomalee	SRI LANKA	8.67N	81.33E	1.40m	05 Sep 05:35 UTC
Pangandaran	INDONESIA	7.83S	108.50E	0.60m	05 Sep 06:35 UTC
Langkawi	MALAYSIA	6.50N	99.83E	2.50m	05 Sep 06:05 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,

IOC Technical Series, 138 (I) Supplement 2
page 46

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

AUSTRALIA			
COCOS ISLAND	0438Z	05Sep2018	2.55m
CHRISTMAS ISLAND	0446Z	05Sep2018	1.02m
NINGALOO COAST	0700Z	05Sep2018	2.78m
PILBARA COAST WEST	0734Z	05Sep2018	3.92m
GASCOYNE COAST	0746Z	05Sep2018	2.60m
GERALDTON COAST	0752Z	05Sep2018	3.95m
ASHMORE REEF	0806Z	05Sep2018	0.59m
PILBARA COAST EAST	0812Z	05Sep2018	2.09m
LANCELIN COAST	0818Z	05Sep2018	2.22m
PERTH COAST	0824Z	05Sep2018	2.51m
BUNBURY GEOGRAPHE COAST	0842Z	05Sep2018	3.15m
LEEUEWIN COAST	0854Z	05Sep2018	2.47m
WEST KIMBERLY COAST	0900Z	05Sep2018	1.89m
ALBANY COAST	0914Z	05Sep2018	1.73m
NORTH KIMBERLY COAST	0956Z	05Sep2018	1.41m
ESPERENCE COAST	1228Z	05Sep2018	0.95m
HEARD ISLAND AND MCDONALD ISLANDS	1230Z	05Sep2018	10.77m
AURORA BANK	1240Z	05Sep2018	4.45m
WEST COAST VIC	1516Z	05Sep2018	1.36m
BEAGLE BONAPARTE COAST	1844Z	05Sep2018	0.81m
EUCLA COAST	1918Z	05Sep2018	1.14m
SOUTH WEST COAST TAS	1958Z	05Sep2018	1.61m
CENTRAL WEST COAST TAS	2006Z	05Sep2018	1.62m
FAR NORTH WEST COAST TAS	2034Z	05Sep2018	0.93m
SOUTH CENTRAL COAST SA	2050Z	05Sep2018	1.09m
LOWER SOUTH EAST COAST SA	2058Z	05Sep2018	1.31m
UPPER WEST COAST SA	2132Z	05Sep2018	1.05m
LOWER WEST COAST SA	2152Z	05Sep2018	0.77m
CENTRAL COAST SA	2208Z	05Sep2018	0.74m
NORTH TIWI COAST	2224Z	05Sep2018	0.82m
FAR WEST COAST SA	2230Z	05Sep2018	1.02m
UPPER SOUTH EAST COAST SA	2232Z	05Sep2018	1.22m
CENTRAL COAST VIC	2304Z	05Sep2018	0.82m

BANGLADESH			
COXS BAZAR	0638Z	05Sep2018	3.08m
CHALNA	0642Z	05Sep2018	1.91m
KUTUBDIA ISLAND	0650Z	05Sep2018	3.74m
BARGUNA	0650Z	05Sep2018	3.74m

COMOROS			
DZAUDZI	1114Z	05Sep2018	0.96m
BAMBAAO	1116Z	05Sep2018	1.30m
CHEZANI	1120Z	05Sep2018	2.53m
FOMBONI	1122Z	05Sep2018	1.44m

DJIBOUTI			
NW ARTA	1240Z	05Sep2018	1.64m
MUHAMMAD ALI BIN FATHA SUMANA	1240Z	05Sep2018	1.39m

FRANCE			
LLE SAINT-PAUL-NORTH	0920Z	05Sep2018	3.48m
LLE SAINT-PAUL-SOUTH	0932Z	05Sep2018	3.38m
SAINT-DENIS	0952Z	05Sep2018	3.93m
SAINT - JOSEPH	0952Z	05Sep2018	4.74m
ILE KERGUELEN	1148Z	05Sep2018	9.96m
NES CROZET	1204Z	05Sep2018	4.28m
ILE DE LA POSSESSION	1204Z	05Sep2018	4.72m
CROZET PLATEAU	1214Z	05Sep2018	6.31m

INDIA			
INDIRA POINT	0316Z	05Sep2018	12.88m
KOMATRA & KATCHAL ISLAND	0326Z	05Sep2018	7.03m
CAR NICOBAR	0336Z	05Sep2018	4.76m
LITTLE ANDAMAN	0358Z	05Sep2018	3.24m
NORTH SENTINEL ISLAND	0406Z	05Sep2018	5.12m
PORT BLAIR	0422Z	05Sep2018	5.38m
HAVELOCK	0432Z	05Sep2018	6.62m
FLAT ISLAND	0432Z	05Sep2018	4.04m
WEST & LANDFALL ISLAND	0432Z	05Sep2018	3.03m
BARREN ISLAND	0434Z	05Sep2018	1.78m
RANGATH BAY	0440Z	05Sep2018	2.61m

NARCONDAM ISLAND	0450Z	05Sep2018	1.92m
DIGLIPUR	0452Z	05Sep2018	3.12m
MARAKKANAM	0520Z	05Sep2018	7.13m
CHENNAI	0522Z	05Sep2018	5.99m
CUDDALORE	0522Z	05Sep2018	4.93m
PUDUCHERRY	0522Z	05Sep2018	4.43m
MAHABALIPURAM	0522Z	05Sep2018	5.99m
MALLIPATTINAM	0526Z	05Sep2018	2.26m
POOMBUHAR	0526Z	05Sep2018	4.76m
KARAIKAL	0528Z	05Sep2018	3.37m
SRIHARIKOTA	0528Z	05Sep2018	4.35m
NAGAPATTINAM	0528Z	05Sep2018	3.56m
ENNORE	0530Z	05Sep2018	8.31m
MUTHUPET	0532Z	05Sep2018	2.00m
KAKINADA	0536Z	05Sep2018	3.02m
MACHILIPATNAM	0536Z	05Sep2018	4.09m
PERUPALEM	0540Z	05Sep2018	3.58m
NIJAMPATTANAM	0542Z	05Sep2018	3.10m
KOTTAPATNAM	0544Z	05Sep2018	3.92m
TUTICORIN	0544Z	05Sep2018	2.76m
VISAKHAPATNAM	0546Z	05Sep2018	3.71m
KONADA	0550Z	05Sep2018	2.99m
KALINGAPATNAM	0550Z	05Sep2018	4.54m
KOODANKULAM	0552Z	05Sep2018	3.92m
PARADIP	0554Z	05Sep2018	5.35m
RAMESWARAM	0554Z	05Sep2018	2.33m
PURI	0556Z	05Sep2018	4.45m
KOTTTAIPPATTANAM	0558Z	05Sep2018	1.59m
GOPALPUR	0602Z	05Sep2018	4.41m
KANYAKUMARI	0604Z	05Sep2018	3.92m
JAMBOO	0612Z	05Sep2018	4.11m
TRIVANDRUM	0618Z	05Sep2018	2.55m
QUILON	0620Z	05Sep2018	2.31m
MINICOY	0628Z	05Sep2018	1.68m
ALLEPPEY ALAPPUZHA	0634Z	05Sep2018	3.00m
ANDROTH	0640Z	05Sep2018	1.29m
HEMNAGAR	0642Z	05Sep2018	1.56m
DHAMRA	0646Z	05Sep2018	3.80m
NAMKHANA	0648Z	05Sep2018	2.05m
KAVARATTI	0652Z	05Sep2018	1.31m
DIGHA	0656Z	05Sep2018	2.59m
AMINI	0700Z	05Sep2018	1.18m
VADANAPPALLY	0700Z	05Sep2018	2.24m
COCHIN	0700Z	05Sep2018	2.44m
AGATTI	0702Z	05Sep2018	1.31m
CHANDIPUR	0702Z	05Sep2018	3.05m
VAKKAD	0710Z	05Sep2018	1.79m
BEYPORE	0724Z	05Sep2018	2.08m
KANNUR	0732Z	05Sep2018	2.80m
MAHE	0734Z	05Sep2018	2.26m
KASARAGOD	0738Z	05Sep2018	2.50m
MANGALORE	0800Z	05Sep2018	1.80m
UDUPI	0816Z	05Sep2018	1.91m
KARWAR	0848Z	05Sep2018	2.14m
MALVAN BAY	0854Z	05Sep2018	1.77m
VASCO	0900Z	05Sep2018	1.65m
PANAJI	0902Z	05Sep2018	1.65m
JAIGARH	0920Z	05Sep2018	1.36m
PORBANDAR	1222Z	05Sep2018	1.37m
DWARKA	1224Z	05Sep2018	1.77m
JAMNAGAR	1240Z	05Sep2018	1.36m
MANGROL	1244Z	05Sep2018	1.47m
HAZIRA, DIU	1254Z	05Sep2018	2.87m
TARAPUR	1354Z	05Sep2018	1.27m
MANDVI	1358Z	05Sep2018	1.72m
MAHUVA	1506Z	05Sep2018	1.07m
KHAMBAT	1526Z	05Sep2018	0.86m
BHARUCH	1536Z	05Sep2018	0.93m
ALIBAG PORT	1544Z	05Sep2018	1.49m
MUMBAI	1544Z	05Sep2018	1.49m
PIPAVAV	1712Z	05Sep2018	0.90m
DAMAN	1918Z	05Sep2018	0.94m
BORSI	1918Z	05Sep2018	0.94m
HAZIRA	1920Z	05Sep2018	0.95m
INDONESIA			
SUMUT NIAS B	0300Z	05Sep2018	27.56m

NAD SIMEULUE P.SIMEULUE	0300Z	05Sep2018	28.15m
SUMUT NIAS-SELATAN P.TANAHMASA	0300Z	05Sep2018	19.88m
GUNUNGSITOLI	0300Z	05Sep2018	10.99m
SUMUT NIAS-SELATAN P.NIAS	0300Z	05Sep2018	27.88m
SUMUT NIAS-SELATAN P.TANABALA	0300Z	05Sep2018	18.83m
NAD ACEH-SINGKIL KEP.BANYAK	0306Z	05Sep2018	19.61m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0312Z	05Sep2018	10.63m
NIAS	0314Z	05Sep2018	11.95m
NIAS-NORTH	0316Z	05Sep2018	10.97m
SOUTH OF BODAHAYIONE	0316Z	05Sep2018	10.16m
NAD ACEH-JAYA	0322Z	05Sep2018	49.69m
NAD ACEH-BESAR B	0322Z	05Sep2018	44.99m
NIAS-EAST	0324Z	05Sep2018	8.07m
NAD ACEH-BESAR P.PENASI	0324Z	05Sep2018	46.49m
NAD ACEH-BESAR P.BREUEH	0324Z	05Sep2018	47.77m
NAD KOTA-BANDA-ACEH	0326Z	05Sep2018	26.01m
NAD KOTA-SABANG P.WEH	0326Z	05Sep2018	26.05m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0326Z	05Sep2018	4.77m
NAD ACEH-SELATAN S	0328Z	05Sep2018	14.94m
MUARASIBERUT	0328Z	05Sep2018	4.36m
SUMUT MANDAILING-NATAL U	0328Z	05Sep2018	11.62m
NAD ACEH-SINGKIL	0330Z	05Sep2018	8.73m
NAD NAGAN-RAYA	0332Z	05Sep2018	22.56m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0332Z	05Sep2018	5.87m
NAD ACEH-BARAT	0332Z	05Sep2018	50.27m
NAD ACEH-SELATAN U	0334Z	05Sep2018	14.37m
NAD ACEH-BARAT-DAYA	0338Z	05Sep2018	24.30m
NAD ACEH-BESAR U	0342Z	05Sep2018	15.41m
SUMUT TAPANULI-TENGAH U	0344Z	05Sep2018	17.35m
NAD PIDIE	0346Z	05Sep2018	7.48m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0346Z	05Sep2018	12.91m
SAKUBO	0350Z	05Sep2018	2.24m
SUMUT TAPANULI-SELATAN	0352Z	05Sep2018	15.34m
SUMBAR KOTA-PADANG U	0356Z	05Sep2018	6.91m
SUMUT TAPANULI-TENGAH S	0356Z	05Sep2018	11.86m
NAD BIREUEN	0358Z	05Sep2018	7.43m
MUARASIGEP	0400Z	05Sep2018	2.32m
SUMBAR PESISIR-SELATAN U	0400Z	05Sep2018	2.40m
SUMBAR PADANG-PARIAMAN U	0400Z	05Sep2018	2.19m
SUMBAR AGAM	0400Z	05Sep2018	3.89m
SUMBAR KOTA-PARIAMAN	0400Z	05Sep2018	2.26m
SUMBAR KOTA-PADANG S	0402Z	05Sep2018	2.29m
SUMUT MANDAILING-NATAL S	0402Z	05Sep2018	6.93m
SUMBAR KOTA-PADANG U	0402Z	05Sep2018	2.65m
SUMBAR PADANG-PARIAMAN S	0402Z	05Sep2018	2.16m
BENGKULU BENGKULU-UTARA P.ENGGANO	0404Z	05Sep2018	2.29m
NAD ACEH-UTARA B	0406Z	05Sep2018	7.43m
NAD KOTA-LHOKSEUMAWA	0408Z	05Sep2018	5.44m
MURASAIBI	0410Z	05Sep2018	2.14m
BENGKULU BENGKULU-UTARA U	0412Z	05Sep2018	1.85m
SUMBAR PESISIR-SELATAN S	0412Z	05Sep2018	2.31m
BENGKULU MUKOMUKO	0414Z	05Sep2018	2.05m
NAD ACEH-UTARA T	0416Z	05Sep2018	5.03m
BENGKULU BENGKULU-SELATAN	0422Z	05Sep2018	2.11m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0422Z	05Sep2018	2.62m
BENGKULU SELUMA	0422Z	05Sep2018	2.28m
BENGKULU BENGKULU-UTARA S	0424Z	05Sep2018	3.03m
BENGKULU KAUR	0424Z	05Sep2018	1.94m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0432Z	05Sep2018	2.32m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0434Z	05Sep2018	2.22m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0434Z	05Sep2018	2.24m
LAMPUNG TANGGAMUS B	0438Z	05Sep2018	2.09m
NAD ACEH-TIMUR	0440Z	05Sep2018	3.27m
BANTEN PANDEGLANG P.PANAITAN	0442Z	05Sep2018	1.43m
BANTEN PANDEGLANG S	0444Z	05Sep2018	1.34m
BANTEN LEBAK	0452Z	05Sep2018	2.08m
JABAR SUKABUMI UJUNG-GENTENG	0454Z	05Sep2018	1.39m
JABAR SUKABUMI PELABUHAN-RATU	0454Z	05Sep2018	6.99m
LAMPUNG TANGGAMUS T	0454Z	05Sep2018	3.30m
BANTEN KOTA-CILEGON P.SANGIANG	0456Z	05Sep2018	2.12m
BANTEN SERANG B	0456Z	05Sep2018	2.12m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0456Z	05Sep2018	2.00m
LAMPUNG TANGGAMUS P.TABUAN	0456Z	05Sep2018	1.27m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0456Z	05Sep2018	2.12m
JABAR CIANJUR SINDANGBARANG	0500Z	05Sep2018	1.74m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0502Z	05Sep2018	4.23m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0506Z	05Sep2018	2.00m

LAMPUNG LAMPUNG-SELATAN B	0506Z	05Sep2018	2.00m
JABAR GARUT	0508Z	05Sep2018	1.87m
JABAR TASIKMALAYA	0512Z	05Sep2018	1.96m
BANTEN PANDEGLANG U	0514Z	05Sep2018	2.90m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0526Z	05Sep2018	2.64m
JABAR CIAMIS	0528Z	05Sep2018	2.22m
JATENG PURWOREJO	0538Z	05Sep2018	2.36m
JATENG KEBUMEN	0538Z	05Sep2018	1.91m
NAD KOTA-LANGSA	0538Z	05Sep2018	1.31m
JATENG CILACAP	0542Z	05Sep2018	2.72m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0542Z	05Sep2018	3.36m
DIY KULON-PROGO	0544Z	05Sep2018	1.80m
DIY BANTUL	0544Z	05Sep2018	2.18m
DIY GUNUNG-KIDUL	0546Z	05Sep2018	2.23m
JATENG WONOGIRI	0552Z	05Sep2018	1.22m
JATIM PACITAN	0554Z	05Sep2018	1.99m
JATIM TRENGGALEK	0556Z	05Sep2018	1.99m
NAD ACEH-TAMIANG	0602Z	05Sep2018	1.35m
JATIM BLITAR	0606Z	05Sep2018	1.21m
JATIM MALANG	0606Z	05Sep2018	1.11m
JATIM TULUNGAGUNG	0612Z	05Sep2018	1.10m
JATIM JEMBER P.NUSABARUNG	0616Z	05Sep2018	0.87m
JATIM BANYUWANGI S	0618Z	05Sep2018	1.10m
JATIM JEMBER	0620Z	05Sep2018	1.13m
JATIM LUMAJANG	0624Z	05Sep2018	1.54m
BALI BADUNG PANTAI-KUTA	0630Z	05Sep2018	1.03m
BALI DENPASAR PANTAI-SANUR	0632Z	05Sep2018	0.75m
BALI TABANAN	0632Z	05Sep2018	1.42m
BALI KLUNGKUNG P.NUSAPENIDA	0634Z	05Sep2018	0.76m
NTB LOMBOK-TENGAH	0638Z	05Sep2018	0.93m
NTB LOMBOK-TIMUR S	0642Z	05Sep2018	1.07m
NTB SUMBAWA B	0644Z	05Sep2018	0.77m
SUMUT LANGKAT	0644Z	05Sep2018	1.42m
NTT SUMBA B	0706Z	05Sep2018	1.46m
NTB KOTA-BIMA S	0706Z	05Sep2018	1.03m
NTB SUMBAWA S	0706Z	05Sep2018	1.09m
NTB DOMPU S	0708Z	05Sep2018	0.75m
NTT SUMBA T	0712Z	05Sep2018	0.90m
BELAWAN	0712Z	05Sep2018	1.59m
NTT MANGGARAI-BARAT P.	0722Z	05Sep2018	1.11m
NTT MANGGARAI-BARAT S	0736Z	05Sep2018	1.40m
SUMUT DELISERDANG	0740Z	05Sep2018	1.47m
SUMUT ASAHAN	0742Z	05Sep2018	1.10m
SUMUT SERDANG-BEDAGAI	0746Z	05Sep2018	1.53m
NTT MANGGARAI S	0752Z	05Sep2018	0.94m
NTT NGADA S	0754Z	05Sep2018	0.76m
NTT KUPANG	0756Z	05Sep2018	0.76m
NTT ENDE S	0806Z	05Sep2018	0.61m
NTT SIKKA S	0812Z	05Sep2018	0.79m
NTT LEMBATA S	0814Z	05Sep2018	0.91m
NTT ROTENDAO	0816Z	05Sep2018	0.67m
NTT FLORES-TIMUR S	0816Z	05Sep2018	0.78m
NTT FLORES-TIMUR P.SOLOR	0816Z	05Sep2018	0.81m
NTT ALOR S	0816Z	05Sep2018	0.91m
NTT BELU U	0822Z	05Sep2018	1.07m
PANTE MACASSAR	0822Z	05Sep2018	0.90m
NTT KOTA-KUPANG	0826Z	05Sep2018	0.63m
LABUHAN BATU	1022Z	05Sep2018	0.70m
ROKAN HILIR	1102Z	05Sep2018	0.72m
DUMAI	0252Z	06Sep2018	0.64m

IRAN

PUSHT	1042Z	05Sep2018	1.45m
BIR	1100Z	05Sep2018	1.00m
MISKI	1214Z	05Sep2018	1.31m

KENYA

KIWAYU	1108Z	05Sep2018	2.97m
KIPINI	1132Z	05Sep2018	2.22m
MVULENI	1132Z	05Sep2018	2.12m
MALINDI	1134Z	05Sep2018	3.17m
TAKAUNGU	1136Z	05Sep2018	2.99m
KISIMACHANDE	1140Z	05Sep2018	2.45m

MADAGASCAR

VOHEMAR	1024Z	05Sep2018	2.95m
ANOROTSANGANA	1026Z	05Sep2018	2.56m

IOC Technical Series, 138 (I) Supplement 2
page 50

TOAMASINA AIRPORT	1038Z	05Sep2018	4.32m
TAMPOLO	1044Z	05Sep2018	4.56m
GLORIOSO ISLANDS	1048Z	05Sep2018	0.95m
AMBAHY	1052Z	05Sep2018	10.43m
FARAFAGANA	1102Z	05Sep2018	8.79m
MANANTENINA	1104Z	05Sep2018	7.59m
AMBANJA	1124Z	05Sep2018	1.11m
BALY	1138Z	05Sep2018	2.07m
TAMOTAMO	1144Z	05Sep2018	1.14m
SAMPONA	1146Z	05Sep2018	5.56m
ANDROKA	1200Z	05Sep2018	2.95m
EUROPA ISLAND	1244Z	05Sep2018	1.03m
MANJA	1318Z	05Sep2018	1.19m

MALAYSIA

SATUN	0638Z	05Sep2018	1.49m
YAN	0644Z	05Sep2018	1.15m
WEST OF ALOR SETAR	0702Z	05Sep2018	1.97m
KUALA MUDA	0702Z	05Sep2018	1.97m
SEBERANG PERAI SELATAN	0708Z	05Sep2018	1.57m
SEBERANG PERAI UTARA & BARAT DAYA	0720Z	05Sep2018	1.81m
KERIAN	0734Z	05Sep2018	1.50m
LARUT AND MATANG	0742Z	05Sep2018	1.55m
MANJUNG	0748Z	05Sep2018	1.54m
HILIR PERAK	0818Z	05Sep2018	1.02m
SABAK BERNAM	0906Z	05Sep2018	1.02m
KUALA SELANGOR	0958Z	05Sep2018	1.25m
KUALA LANGAT	0200Z	06Sep2018	0.78m
SEPANG	0250Z	06Sep2018	0.67m

MALDIVES

THINADHOO	0604Z	05Sep2018	8.28m
KOLHUFUSHI	0604Z	05Sep2018	6.58m
DHIYAMIGILI	0606Z	05Sep2018	10.26m
MALE	0606Z	05Sep2018	7.08m
KULHUDUFFUSHI	0608Z	05Sep2018	4.39m
HITHADHOO	0610Z	05Sep2018	7.96m
GOIDHOO	0622Z	05Sep2018	4.75m
NILANDHOO	0626Z	05Sep2018	12.08m
FERIDHOO	0634Z	05Sep2018	4.79m

MAURITIUS

LA FERME	0838Z	05Sep2018	9.73m
CARGADOS CARAJOS	0910Z	05Sep2018	13.58m
AGALEGA ISLAND	0920Z	05Sep2018	3.36m
GRANDE REVIERE SUD EST-EAST	0924Z	05Sep2018	5.87m
GRANDE REVIERE SUD EST-WEST	0940Z	05Sep2018	4.21m

MOZAMBIQUE

MAGANJA	1142Z	05Sep2018	3.01m
MERONVI	1150Z	05Sep2018	2.50m
QUITERAJO	1154Z	05Sep2018	1.44m
TAVARI	1158Z	05Sep2018	1.46m
PEMBA	1158Z	05Sep2018	2.06m
MURREBUE	1200Z	05Sep2018	1.90m
MECUFI	1202Z	05Sep2018	1.73m
LURIO	1204Z	05Sep2018	1.88m
NANGATA	1206Z	05Sep2018	1.52m
LUMBO	1208Z	05Sep2018	1.12m
MINHAUINE	1208Z	05Sep2018	1.72m
MOGINCUAL	1218Z	05Sep2018	1.05m
NAMORRE	1242Z	05Sep2018	0.96m
INHARRIME	1316Z	05Sep2018	2.74m
POMENE	1326Z	05Sep2018	1.65m
VILANKULO	1328Z	05Sep2018	1.67m
MAGUEMBA	1330Z	05Sep2018	1.98m
INHASSORO	1342Z	05Sep2018	1.35m
MOEBASE	1344Z	05Sep2018	1.13m
ZAVALA	1344Z	05Sep2018	1.91m
OCONE	1348Z	05Sep2018	1.17m
MAPUTO	1348Z	05Sep2018	2.80m
VILA DO CHINDE	1348Z	05Sep2018	1.17m
XAI-XAI	1350Z	05Sep2018	4.22m
AMADE	1352Z	05Sep2018	1.11m
MALUANA	1354Z	05Sep2018	2.63m
NHANGAU	1404Z	05Sep2018	0.95m
MAIONGUE	1420Z	05Sep2018	1.82m

NOVA LUSITANIA 1422Z 05Sep2018 1.88m

MYANMAR

LITTLE COCO ISLAND	0454Z	05Sep2018	2.13m
THAN KYUN	0502Z	05Sep2018	2.98m
GREAT WESTERN TORRES ISLAND	0504Z	05Sep2018	2.38m
PREPARIS ISLAND	0508Z	05Sep2018	2.33m
LORD LOUGHBOROUGH ISLAND	0510Z	05Sep2018	2.38m
KYWEGYAUNG	0540Z	05Sep2018	2.20m
CHEDUBA ISLAND	0540Z	05Sep2018	2.56m
MAWYEN	0548Z	05Sep2018	3.62m
SITTWE	0610Z	05Sep2018	3.73m
THAWINCHAUNG	0612Z	05Sep2018	2.57m
KYAUKPYU	0616Z	05Sep2018	2.28m
MALI KYUN	0620Z	05Sep2018	1.60m
PHARPON	0636Z	05Sep2018	2.28m
MAGYIGAING	0646Z	05Sep2018	2.90m
YE	0652Z	05Sep2018	1.75m
YANGON-S	0658Z	05Sep2018	1.10m

OMAN

HASIK	0952Z	05Sep2018	2.91m
AD DUQM	0956Z	05Sep2018	1.84m
AL JAZER	1000Z	05Sep2018	1.17m
MIRBAT	1000Z	05Sep2018	2.91m
RAS AR RUWAYS	1002Z	05Sep2018	2.19m
MASIRAH	1004Z	05Sep2018	1.15m
SALALAH	1008Z	05Sep2018	3.07m
TAQAH	1010Z	05Sep2018	3.92m
AL ASHKHARAH	1012Z	05Sep2018	0.87m
SUR	1018Z	05Sep2018	0.84m
MUSCAT	1040Z	05Sep2018	0.95m
SOHAR	1134Z	05Sep2018	0.54m
EAST MUSANDAM	1158Z	05Sep2018	1.25m

PAKISTAN

ORMARA	1032Z	05Sep2018	1.09m
WINDER	1050Z	05Sep2018	1.84m
KARACHI	1110Z	05Sep2018	2.66m
SINDH	1408Z	05Sep2018	1.70m

SEYCHELLES

FREGATE ISLAND	0906Z	05Sep2018	3.92m
COETIVY ISLAND	0910Z	05Sep2018	3.41m
TAKAMAKA	0924Z	05Sep2018	5.73m
ILE DESROCHES	0936Z	05Sep2018	3.21m
ALPHONSE ISLAND	0948Z	05Sep2018	1.80m
FARQUHAR GROUP	1006Z	05Sep2018	2.05m
ASTOVE ISLAND	1036Z	05Sep2018	1.84m
ALDABRA	1048Z	05Sep2018	2.38m

SOMALIA

BANDER-BEYLA	1000Z	05Sep2018	5.63m
EYL	1006Z	05Sep2018	4.24m
TOOXIN	1006Z	05Sep2018	4.76m
JARIIBAN	1012Z	05Sep2018	4.46m
GALDOGOB	1012Z	05Sep2018	5.65m
XARARDHEERE	1016Z	05Sep2018	5.36m
CEEL DHEER	1018Z	05Sep2018	4.55m
MAREEG	1020Z	05Sep2018	4.70m
ABO	1020Z	05Sep2018	1.81m
ITALA	1020Z	05Sep2018	4.14m
UARSCIECH	1028Z	05Sep2018	4.52m
MUQDISHO	1032Z	05Sep2018	5.76m
BEYNAX BARRE	1042Z	05Sep2018	3.86m
BARAAWE	1044Z	05Sep2018	3.92m
TURDHO	1052Z	05Sep2018	3.45m
JILIB	1052Z	05Sep2018	2.47m
NE BEERNAASI	1058Z	05Sep2018	3.78m
KAAMBOONI	1106Z	05Sep2018	3.82m
QANDALA	1108Z	05Sep2018	0.58m
BOSASO	1124Z	05Sep2018	0.51m
SAYLAC	1238Z	05Sep2018	0.64m
LOYADO	1244Z	05Sep2018	0.70m
HADAAFTIMO	1424Z	05Sep2018	0.59m

SOUTH AFRICA

IOC Technical Series, 138 (I) Supplement 2
page 52

LAKE SIBAYI	1332Z	05Sep2018	3.12m
GWABALANDA HITAWI	1334Z	05Sep2018	2.75m
PORT DURNFORD	1334Z	05Sep2018	3.91m
KOSIMEER	1338Z	05Sep2018	2.79m
FUNK SEAMOUNT	1342Z	05Sep2018	6.82m
MANDI	1346Z	05Sep2018	3.72m
MARGATE	1346Z	05Sep2018	6.37m
BIZANA	1348Z	05Sep2018	4.11m
KELSO	1348Z	05Sep2018	4.66m
LUSIKISIKI	1350Z	05Sep2018	3.94m
PORT ST JOHNS	1350Z	05Sep2018	3.94m
ELLIOTDALE	1350Z	05Sep2018	3.94m
BATHURST	1350Z	05Sep2018	3.94m
PORT ELIZABETH	1350Z	05Sep2018	3.94m
HANKEY	1350Z	05Sep2018	3.94m
ABORETUM	1350Z	05Sep2018	3.30m
GEORGE	1350Z	05Sep2018	3.94m
BREDASDORP	1350Z	05Sep2018	3.94m
WILLOWVALE	1350Z	05Sep2018	3.94m
KENTANI	1350Z	05Sep2018	3.94m
MARSHSTRAND	1350Z	05Sep2018	3.94m
PEDDIE	1350Z	05Sep2018	3.94m
ALEXANDRIA	1350Z	05Sep2018	3.94m
HUMANSDORP	1350Z	05Sep2018	3.94m
MOSSEL	1350Z	05Sep2018	3.94m
HEIDELBERG	1350Z	05Sep2018	3.94m
NGQUELENI	1350Z	05Sep2018	3.94m
WITAAND	1350Z	05Sep2018	3.94m
GAMTOOS	1350Z	05Sep2018	3.94m
ZIKHOVA	1350Z	05Sep2018	3.94m
KAYSER'S BEACH	1350Z	05Sep2018	3.94m
SRI LANKA			
OKANDA	0444Z	05Sep2018	9.34m
KIRINDA	0444Z	05Sep2018	8.09m
POTTUVIL	0444Z	05Sep2018	9.62m
AKKARAIPATTU	0444Z	05Sep2018	9.33m
BATTICALOA	0446Z	05Sep2018	9.51m
KATTANKUDI	0450Z	05Sep2018	8.33m
HAMBANTOTA	0450Z	05Sep2018	9.08m
ANAITIVU	0454Z	05Sep2018	9.23m
PANKULAM	0454Z	05Sep2018	7.14m
TANGALLE	0454Z	05Sep2018	6.76m
MATARA	0456Z	05Sep2018	6.46m
GALLE	0500Z	05Sep2018	6.46m
MULLAITTIVU	0500Z	05Sep2018	5.82m
CHUNDIKKULAM	0506Z	05Sep2018	5.96m
AMBALANGODA	0506Z	05Sep2018	4.16m
BERUWALA	0514Z	05Sep2018	3.79m
CHAVAKACHCHERI	0516Z	05Sep2018	3.24m
COLOMBO	0520Z	05Sep2018	3.13m
MORATUWA	0522Z	05Sep2018	5.72m
POINT PEDRO	0522Z	05Sep2018	3.23m
NEGOMBO	0530Z	05Sep2018	3.47m
MUNDAL LAKE	0534Z	05Sep2018	2.75m
MANNAR ISLAND	0544Z	05Sep2018	1.74m
MUSALI	0556Z	05Sep2018	1.40m
TANZANIA			
VUMBA	1128Z	05Sep2018	2.26m
VUMBI	1132Z	05Sep2018	2.33m
ZANZIBAR	1136Z	05Sep2018	2.53m
GAZIJA	1138Z	05Sep2018	2.10m
JIMBO	1140Z	05Sep2018	2.34m
KUTANI	1142Z	05Sep2018	3.65m
MADANGWA	1142Z	05Sep2018	1.92m
SONGO SONGO ISLAND	1144Z	05Sep2018	1.73m
RUVU	1144Z	05Sep2018	2.38m
BOMALANDNI	1150Z	05Sep2018	1.56m
WEST TO KONDE	1150Z	05Sep2018	2.03m
MSASANI	1150Z	05Sep2018	2.07m
BAGAMOYO	1152Z	05Sep2018	1.93m
THAILAND			
THAI MUEANG	0434Z	05Sep2018	6.19m
KO RACHA NOI	0444Z	05Sep2018	4.24m
KOH SURIN TAI	0504Z	05Sep2018	3.85m

KOH LANTA YAI	0518Z	05Sep2018	3.07m
KOH ROK	0528Z	05Sep2018	2.23m
THAI MUEANG TAKUA PA	0530Z	05Sep2018	4.35m
KOH TARUTAO	0538Z	05Sep2018	2.40m
MUEANG SATUN	0538Z	05Sep2018	2.40m

TIMOR-LESTE

BOBONARO	0826Z	05Sep2018	0.87m
PANTE MACASSAR	0826Z	05Sep2018	0.83m
LIQUICA	0834Z	05Sep2018	0.69m

UNITED ARAB EMIRATES

KALBA	1136Z	05Sep2018	1.19m
-------	-------	-----------	-------

UNITED KINGDOM

MORESBY ISLAND	0628Z	05Sep2018	11.63m
DIEGO GARCIA	0630Z	05Sep2018	12.10m
NW EGMONT ISLAND	0650Z	05Sep2018	7.10m

YEMEN

SOCOTRA ISLAND SOUTH	0942Z	05Sep2018	5.07m
SOCOTRA ISLAND NORTH	0958Z	05Sep2018	3.17m
SOCOTRA ISLAND WEST	1012Z	05Sep2018	1.45m
DAMQAWT	1012Z	05Sep2018	3.63m
AL GHAYDAH AIRPORT	1028Z	05Sep2018	2.74m
HUSWAYN	1034Z	05Sep2018	1.84m
ALQUMRAH	1042Z	05Sep2018	1.53m
HAMI	1106Z	05Sep2018	0.91m
AL MUKALLA	1108Z	05Sep2018	0.90m
MASILAH WADI	1108Z	05Sep2018	1.39m
BROM MAYFA	1110Z	05Sep2018	0.76m
HARRAH	1110Z	05Sep2018	1.27m
EAST TO HAMI	1112Z	05Sep2018	0.92m
RUDUM	1120Z	05Sep2018	0.70m
AHWAR	1134Z	05Sep2018	0.64m
KHANFAR	1158Z	05Sep2018	1.40m
MA'ALLAH	1244Z	05Sep2018	0.78m
QAWAH	1246Z	05Sep2018	0.76m
AL MUALLA	1306Z	05Sep2018	0.69m
ADEN	1550Z	05Sep2018	1.06m

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 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 0732 UTC Wednesday 05 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: 9.3 Mwp
Depth: 10km
Date: 05 Sep 2018
Origin Time: 0300 UTC
Latitude: 3.30N
Longitude: 96.00E
Location: Northern Sumatra, Indonesia

2. EVALUATION

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

Sabang	INDONESIA	5.80N	95.33E	8.00m	05 Sep 03:25 UTC
Meulaboh	INDONESIA	4.17N	96.00E	8.00m	05 Sep 03:40 UTC
Telukdalam	INDONESIA	0.50N	97.83E	6.00m	05 Sep 03:45 UTC
Deep Ocean Buoy 23227	BAY OF BENGAL	6.26N	88.79E	0.46m	05 Sep 04:19 UTC
Seblat	INDONESIA	3.17S	101.50E	1.80m	05 Sep 04:20 UTC
Deep Ocean Buoy 23401	NICOBAR ISLAND	8.90N	88.50E	0.33m	05 Sep 04:24 UTC
Deep Ocean Buoy 23219	BAY OF BENGAL	10.58N	89.28E	0.33m	05 Sep 04:24 UTC
Sibolga	INDONESIA	1.67N	98.67E	4.00m	05 Sep 04:40 UTC
Cocos Island	AUSTRALIA	12.10S	96.89E	2.20m	05 Sep 04:45 UTC
Ko Taphao Noi	THAILAND	7.80N	98.42E	2.50m	05 Sep 04:50 UTC
Christmas Island	AUSTRALIA	10.40S	105.67E	0.75m	05 Sep 05:00 UTC
Port Blair	INDIA	11.70N	92.76E	1.20m	05 Sep 05:00 UTC
Nancowry	INDIA	8.10N	93.55E	5.40m	05 Sep 05:15 UTC
Padang	INDONESIA	1.00S	100.37E	2.00m	05 Sep 05:35 UTC
Trincomalee	SRI LANKA	8.67N	81.33E	1.40m	05 Sep 05:35 UTC
Pangandaran	INDONESIA	7.83S	108.50E	0.60m	05 Sep 06:35 UTC
Langkawi	MALAYSIA	6.50N	99.83E	2.50m	05 Sep 06:05 UTC
Cilacap	INDONESIA	7.80S	109.00E	0.50m	05 Sep 06:40 UTC
Sadeng	INDONESIA	8.33S	110.83E	0.50m	05 Sep 06:40 UTC
Gan	MALDIVES	0.70S	73.15E	2.00m	05 Sep 06:45 UTC
Male	MALDIVES	4.20N	73.53E	1.50m	05 Sep 06:55 UTC
Diego Garcia	UK	7.20S	72.43E	1.60m	05 Sep 06:55 UTC
Deep Ocean Buoy 56003	INDIAN OCEAN	15.02S	117.94E	0.09m	05 Sep 07:00 UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	4.10m	05 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			
COCOS ISLAND	0438Z	05Sep2018	2.55m
CHRISTMAS ISLAND	0446Z	05Sep2018	1.02m
NINGALOO COAST	0700Z	05Sep2018	2.78m
PILBARA COAST WEST	0734Z	05Sep2018	3.92m
GASCOYNE COAST	0746Z	05Sep2018	2.60m
GERALDTON COAST	0752Z	05Sep2018	3.95m
ASHMORE REEF	0806Z	05Sep2018	0.59m
PILBARA COAST EAST	0812Z	05Sep2018	2.09m
LANCELIN COAST	0818Z	05Sep2018	2.22m
PERTH COAST	0824Z	05Sep2018	2.51m
BUNBURY GEOGRAPHE COAST	0842Z	05Sep2018	3.15m
LEEUEWIN COAST	0854Z	05Sep2018	2.47m
WEST KIMBERLY COAST	0900Z	05Sep2018	1.89m
ALBANY COAST	0914Z	05Sep2018	1.73m
NORTH KIMBERLY COAST	0956Z	05Sep2018	1.41m
ESPERENCE COAST	1228Z	05Sep2018	0.95m
HEARD ISLAND AND MCDONALD ISLANDS	1230Z	05Sep2018	10.77m
AURORA BANK	1240Z	05Sep2018	4.45m
WEST COAST VIC	1516Z	05Sep2018	1.36m
BEAGLE BONAPARTE COAST	1844Z	05Sep2018	0.81m
EUCLA COAST	1918Z	05Sep2018	1.14m
SOUTH WEST COAST TAS	1958Z	05Sep2018	1.61m
CENTRAL WEST COAST TAS	2006Z	05Sep2018	1.62m
FAR NORTH WEST COAST TAS	2034Z	05Sep2018	0.93m
SOUTH CENTRAL COAST SA	2050Z	05Sep2018	1.09m
LOWER SOUTH EAST COAST SA	2058Z	05Sep2018	1.31m
UPPER WEST COAST SA	2132Z	05Sep2018	1.05m
LOWER WEST COAST SA	2152Z	05Sep2018	0.77m
CENTRAL COAST SA	2208Z	05Sep2018	0.74m
NORTH TIWI COAST	2224Z	05Sep2018	0.82m
FAR WEST COAST SA	2230Z	05Sep2018	1.02m
UPPER SOUTH EAST COAST SA	2232Z	05Sep2018	1.22m
CENTRAL COAST VIC	2304Z	05Sep2018	0.82m

BANGLADESH			
COXS BAZAR	0638Z	05Sep2018	3.08m
CHALNA	0642Z	05Sep2018	1.91m
KUTUBDIA ISLAND	0650Z	05Sep2018	3.74m
BARGUNA	0650Z	05Sep2018	3.74m

COMOROS			
DZAOUZDI	1114Z	05Sep2018	0.96m
BAMBAO	1116Z	05Sep2018	1.30m
CHEZANI	1120Z	05Sep2018	2.53m
FOMBONI	1122Z	05Sep2018	1.44m

DJIBOUTI			
NW ARTA	1240Z	05Sep2018	1.64m
MUHAMMAD ALI BIN FATHA SUMANA	1240Z	05Sep2018	1.39m

FRANCE			
LLE SAINT-PAUL-NORTH	0920Z	05Sep2018	3.48m
LLE SAINT-PAUL-SOUTH	0932Z	05Sep2018	3.38m
SAINT-DENIS	0952Z	05Sep2018	3.93m
SAINT - JOSEPH	0952Z	05Sep2018	4.74m
ILE KERGUELEN	1148Z	05Sep2018	9.96m
NES CROZET	1204Z	05Sep2018	4.28m
ILE DE LA POSSESSION	1204Z	05Sep2018	4.72m
CROZET PLATEAU	1214Z	05Sep2018	6.31m

INDIA			
INDIRA POINT	0316Z	05Sep2018	12.88m
KOMATRA & KATCHAL ISLAND	0326Z	05Sep2018	7.03m
CAR NICOBAR	0336Z	05Sep2018	4.76m
LITTLE ANDAMAN	0358Z	05Sep2018	3.24m

IOC Technical Series, 138 (I) Supplement 2
page 56

NORTH SENTINEL ISLAND	0406Z	05Sep2018	5.12m
PORT BLAIR	0422Z	05Sep2018	5.38m
HAVELOCK	0432Z	05Sep2018	6.62m
FLAT ISLAND	0432Z	05Sep2018	4.04m
WEST & LANDFALL ISLAND	0432Z	05Sep2018	3.03m
BARREN ISLAND	0434Z	05Sep2018	1.78m
RANGATH BAY	0440Z	05Sep2018	2.61m
NARCONDAM ISLAND	0450Z	05Sep2018	1.92m
DIGLIPUR	0452Z	05Sep2018	3.12m
MARAKKANAM	0520Z	05Sep2018	7.13m
CHENNAI	0522Z	05Sep2018	5.99m
CUDDALORE	0522Z	05Sep2018	4.93m
PUDUCHERRY	0522Z	05Sep2018	4.43m
MAHABALIPURAM	0522Z	05Sep2018	5.99m
MALLIPATTINAM	0526Z	05Sep2018	2.26m
POOMBUHAR	0526Z	05Sep2018	4.76m
KARAIKAL	0528Z	05Sep2018	3.37m
SRIHARIKOTA	0528Z	05Sep2018	4.35m
NAGAPATTINAM	0528Z	05Sep2018	3.56m
ENNORE	0530Z	05Sep2018	8.31m
MUTHUPET	0532Z	05Sep2018	2.00m
KAKINADA	0536Z	05Sep2018	3.02m
MACHILIPATNAM	0536Z	05Sep2018	4.09m
PERUPALEM	0540Z	05Sep2018	3.58m
NIJAMPATTANAM	0542Z	05Sep2018	3.10m
KOTTAPATNAM	0544Z	05Sep2018	3.92m
TUTICORIN	0544Z	05Sep2018	2.76m
VISAKHAPATNAM	0546Z	05Sep2018	3.71m
KONADA	0550Z	05Sep2018	2.99m
KALINGAPATNAM	0550Z	05Sep2018	4.54m
KOODANKULAM	0552Z	05Sep2018	3.92m
PARADIP	0554Z	05Sep2018	5.35m
RAMESWARAM	0554Z	05Sep2018	2.33m
PURI	0556Z	05Sep2018	4.45m
KOTTTAIPPATTANAM	0558Z	05Sep2018	1.59m
GOPALPUR	0602Z	05Sep2018	4.41m
KANYAKUMARI	0604Z	05Sep2018	3.92m
JAMBOO	0612Z	05Sep2018	4.11m
TRIVANDRUM	0618Z	05Sep2018	2.55m
QUILON	0620Z	05Sep2018	2.31m
MINICOY	0628Z	05Sep2018	1.68m
ALLEPPEY ALAPPUZHA	0634Z	05Sep2018	3.00m
ANDROTH	0640Z	05Sep2018	1.29m
HEMNAGAR	0642Z	05Sep2018	1.56m
DHAMRA	0646Z	05Sep2018	3.80m
NAMKHANA	0648Z	05Sep2018	2.05m
KAVARATTI	0652Z	05Sep2018	1.31m
DIGHA	0656Z	05Sep2018	2.59m
AMINI	0700Z	05Sep2018	1.18m
VADANAPPALLY	0700Z	05Sep2018	2.24m
COCHIN	0700Z	05Sep2018	2.44m
AGATTI	0702Z	05Sep2018	1.31m
CHANDIPUR	0702Z	05Sep2018	3.05m
VAKKAD	0710Z	05Sep2018	1.79m
BEYPORE	0724Z	05Sep2018	2.08m
KANNUR	0732Z	05Sep2018	2.80m
MAHE	0734Z	05Sep2018	2.26m
KASARAGOD	0738Z	05Sep2018	2.50m
MANGALORE	0800Z	05Sep2018	1.80m
UDUPI	0816Z	05Sep2018	1.91m
KARWAR	0848Z	05Sep2018	2.14m
MALVAN BAY	0854Z	05Sep2018	1.77m
VASCO	0900Z	05Sep2018	1.65m
PANAJI	0902Z	05Sep2018	1.65m
JAIGARH	0920Z	05Sep2018	1.36m
PORBANDAR	1222Z	05Sep2018	1.37m
DWARKA	1224Z	05Sep2018	1.77m
JAMNAGAR	1240Z	05Sep2018	1.36m
MANGROL	1244Z	05Sep2018	1.47m
HAZIRA, DIU	1254Z	05Sep2018	2.87m
TARAPUR	1354Z	05Sep2018	1.27m
MANDVI	1358Z	05Sep2018	1.72m
MAHUVA	1506Z	05Sep2018	1.07m
KHAMBAT	1526Z	05Sep2018	0.86m
BHARUCH	1536Z	05Sep2018	0.93m
ALIBAG PORT	1544Z	05Sep2018	1.49m
MUMBAI	1544Z	05Sep2018	1.49m

PIPAVAV	1712Z 05Sep2018	0.90m
DAMAN	1918Z 05Sep2018	0.94m
BORSI	1918Z 05Sep2018	0.94m
HAZIRA	1920Z 05Sep2018	0.95m
INDONESIA		
SUMUT NIAS B	0300Z 05Sep2018	27.56m
NAD SIMEULUE P.SIMEULUE	0300Z 05Sep2018	28.15m
SUMUT NIAS-SELATAN P.TANAHMASA	0300Z 05Sep2018	19.88m
GUNUNGSITOLI	0300Z 05Sep2018	10.99m
SUMUT NIAS-SELATAN P.NIAS	0300Z 05Sep2018	27.88m
SUMUT NIAS-SELATAN P.TANABALA	0300Z 05Sep2018	18.83m
NAD ACEH-SINGKIL KEP.BANYAK	0306Z 05Sep2018	19.61m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0312Z 05Sep2018	10.63m
NIAS	0314Z 05Sep2018	11.95m
NIAS-NORTH	0316Z 05Sep2018	10.97m
SOUTH OF BODAHAYIONE	0316Z 05Sep2018	10.16m
NAD ACEH-JAYA	0322Z 05Sep2018	49.69m
NAD ACEH-BESAR B	0322Z 05Sep2018	44.99m
NIAS-EAST	0324Z 05Sep2018	8.07m
NAD ACEH-BESAR P.PENASI	0324Z 05Sep2018	46.49m
NAD ACEH-BESAR P.BREUEH	0324Z 05Sep2018	47.77m
NAD KOTA-BANDA-ACEH	0326Z 05Sep2018	26.01m
NAD KOTA-SABANG P.WEH	0326Z 05Sep2018	26.05m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0326Z 05Sep2018	4.77m
NAD ACEH-SELATAN S	0328Z 05Sep2018	14.94m
MUARASIBERUT	0328Z 05Sep2018	4.36m
SUMUT MANDAILING-NATAL U	0328Z 05Sep2018	11.62m
NAD ACEH-SINGKIL	0330Z 05Sep2018	8.73m
NAD NAGAN-RAYA	0332Z 05Sep2018	22.56m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0332Z 05Sep2018	5.87m
NAD ACEH-BARAT	0332Z 05Sep2018	50.27m
NAD ACEH-SELATAN U	0334Z 05Sep2018	14.37m
NAD ACEH-BARAT-DAYA	0338Z 05Sep2018	24.30m
NAD ACEH-BESAR U	0342Z 05Sep2018	15.41m
SUMUT TAPANULI-TENGAH U	0344Z 05Sep2018	17.35m
NAD PIDIE	0346Z 05Sep2018	7.48m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0346Z 05Sep2018	12.91m
SAKUBO	0350Z 05Sep2018	2.24m
SUMUT TAPANULI-SELATAN	0352Z 05Sep2018	15.34m
SUMBAR KOTA-PADANG U	0356Z 05Sep2018	6.91m
SUMUT TAPANULI-TENGAH S	0356Z 05Sep2018	11.86m
NAD BIREUEN	0358Z 05Sep2018	7.43m
MUARASIGEP	0400Z 05Sep2018	2.32m
SUMBAR PESISIR-SELATAN U	0400Z 05Sep2018	2.40m
SUMBAR PADANG-PARIAMAN U	0400Z 05Sep2018	2.19m
SUMBAR AGAM	0400Z 05Sep2018	3.89m
SUMBAR KOTA-PARIAMAN	0400Z 05Sep2018	2.26m
SUMBAR KOTA-PADANG S	0402Z 05Sep2018	2.29m
SUMUT MANDAILING-NATAL S	0402Z 05Sep2018	6.93m
SUMBAR KOTA-PADANG U	0402Z 05Sep2018	2.65m
SUMBAR PADANG-PARIAMAN S	0402Z 05Sep2018	2.16m
BENGKULU BENGKULU-UTARA P.ENGGANO	0404Z 05Sep2018	2.29m
NAD ACEH-UTARA B	0406Z 05Sep2018	7.43m
NAD KOTA-LHOKSEUMAWA	0408Z 05Sep2018	5.44m
MURASAIBI	0410Z 05Sep2018	2.14m
BENGKULU BENGKULU-UTARA U	0412Z 05Sep2018	1.85m
SUMBAR PESISIR-SELATAN S	0412Z 05Sep2018	2.31m
BENGKULU MUKOMUKO	0414Z 05Sep2018	2.05m
NAD ACEH-UTARA T	0416Z 05Sep2018	5.03m
BENGKULU BENGKULU-SELATAN	0422Z 05Sep2018	2.11m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0422Z 05Sep2018	2.62m
BENGKULU SELUMA	0422Z 05Sep2018	2.28m
BENGKULU BENGKULU-UTARA S	0424Z 05Sep2018	3.03m
BENGKULU KAUR	0424Z 05Sep2018	1.94m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0432Z 05Sep2018	2.32m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0434Z 05Sep2018	2.22m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0434Z 05Sep2018	2.24m
LAMPUNG TANGGAMUS B	0438Z 05Sep2018	2.09m
NAD ACEH-TIMUR	0440Z 05Sep2018	3.27m
BANTEN PANDEGLANG P.PANAITAN	0442Z 05Sep2018	1.43m
BANTEN PANDEGLANG S	0444Z 05Sep2018	1.34m
BANTEN LEBAK	0452Z 05Sep2018	2.08m
JABAR SUKABUMI UJUNG-GENTENG	0454Z 05Sep2018	1.39m
JABAR SUKABUMI PELABUHAN-RATU	0454Z 05Sep2018	6.99m
LAMPUNG TANGGAMUS T	0454Z 05Sep2018	3.30m
BANTEN KOTA-CILEGON P.SANGIANG	0456Z 05Sep2018	2.12m

IOC Technical Series, 138 (I) Supplement 2
page 58

BANTEN SERANG B	0456Z	05Sep2018	2.12m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0456Z	05Sep2018	2.00m
LAMPUNG TANGGAMUS P.TABUAN	0456Z	05Sep2018	1.27m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0456Z	05Sep2018	2.12m
JABAR CIANJUR SINDANGBARANG	0500Z	05Sep2018	1.74m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0502Z	05Sep2018	4.23m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0506Z	05Sep2018	2.00m
LAMPUNG LAMPUNG-SELATAN B	0506Z	05Sep2018	2.00m
JABAR GARUT	0508Z	05Sep2018	1.87m
JABAR TASIKMALAYA	0512Z	05Sep2018	1.96m
BANTEN PANDEGLANG U	0514Z	05Sep2018	2.90m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0526Z	05Sep2018	2.64m
JABAR CIAMIS	0528Z	05Sep2018	2.22m
JATENG PURWOREJO	0538Z	05Sep2018	2.36m
JATENG KEBUMEN	0538Z	05Sep2018	1.91m
NAD KOTA-LANGSA	0538Z	05Sep2018	1.31m
JATENG CILACAP	0542Z	05Sep2018	2.72m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0542Z	05Sep2018	3.36m
DIY KULON-PROGO	0544Z	05Sep2018	1.80m
DIY BANTUL	0544Z	05Sep2018	2.18m
DIY GUNUNG-KIDUL	0546Z	05Sep2018	2.23m
JATENG WONOGIRI	0552Z	05Sep2018	1.22m
JATIM PACITAN	0554Z	05Sep2018	1.99m
JATIM TRENGGALEK	0556Z	05Sep2018	1.99m
NAD ACEH-TAMIANG	0602Z	05Sep2018	1.35m
JATIM BLITAR	0606Z	05Sep2018	1.21m
JATIM MALANG	0606Z	05Sep2018	1.11m
JATIM TULUNGAGUNG	0612Z	05Sep2018	1.10m
JATIM JEMBER P.NUSABARUNG	0616Z	05Sep2018	0.87m
JATIM BANYUWANGI S	0618Z	05Sep2018	1.10m
JATIM JEMBER	0620Z	05Sep2018	1.13m
JATIM LUMAJANG	0624Z	05Sep2018	1.54m
BALI BADUNG PANTAI-KUTA	0630Z	05Sep2018	1.03m
BALI DENPASAR PANTAI-SANUR	0632Z	05Sep2018	0.75m
BALI TABANAN	0632Z	05Sep2018	1.42m
BALI KLUNGKUNG P.NUSAPENIDA	0634Z	05Sep2018	0.76m
NTB LOMBOK-TENGAH	0638Z	05Sep2018	0.93m
NTB LOMBOK-TIMUR S	0642Z	05Sep2018	1.07m
NTB SUMBAWA B	0644Z	05Sep2018	0.77m
SUMUT LANGKAT	0644Z	05Sep2018	1.42m
NTT SUMBA B	0706Z	05Sep2018	1.46m
NTB KOTA-BIMA S	0706Z	05Sep2018	1.03m
NTB SUMBAWA S	0706Z	05Sep2018	1.09m
NTB DOMPU S	0708Z	05Sep2018	0.75m
NTT SUMBA T	0712Z	05Sep2018	0.90m
BELAWAN	0712Z	05Sep2018	1.59m
NTT MANGGARAI-BARAT P.	0722Z	05Sep2018	1.11m
NTT MANGGARAI-BARAT S	0736Z	05Sep2018	1.40m
SUMUT DELISERDANG	0740Z	05Sep2018	1.47m
SUMUT ASAHAN	0742Z	05Sep2018	1.10m
SUMUT SERDANG-BEDAGAI	0746Z	05Sep2018	1.53m
NTT MANGGARAI S	0752Z	05Sep2018	0.94m
NTT NGADA S	0754Z	05Sep2018	0.76m
NTT KUPANG	0756Z	05Sep2018	0.76m
NTT ENDE S	0806Z	05Sep2018	0.61m
NTT SIKKA S	0812Z	05Sep2018	0.79m
NTT LEMBATA S	0814Z	05Sep2018	0.91m
NTT ROTENDAO	0816Z	05Sep2018	0.67m
NTT FLORES-TIMUR S	0816Z	05Sep2018	0.78m
NTT FLORES-TIMUR P.SOLOR	0816Z	05Sep2018	0.81m
NTT ALOR S	0816Z	05Sep2018	0.91m
NTT BELU U	0822Z	05Sep2018	1.07m
PANTE MACASSAR	0822Z	05Sep2018	0.90m
NTT KOTA-KUPANG	0826Z	05Sep2018	0.63m
LABUHAN BATU	1022Z	05Sep2018	0.70m
ROKAN HILIR	1102Z	05Sep2018	0.72m
DUMAI	0252Z	06Sep2018	0.64m

IRAN
PUSHT 1042Z 05Sep2018 1.45m
BIR 1100Z 05Sep2018 1.00m
MISKI 1214Z 05Sep2018 1.31m

KENYA
KIWAYU 1108Z 05Sep2018 2.97m
KIPINI 1132Z 05Sep2018 2.22m
MVULENI 1132Z 05Sep2018 2.12m

MALINDI	1134Z	05Sep2018	3.17m
TAKAUNGU	1136Z	05Sep2018	2.99m
KISIMACHANDE	1140Z	05Sep2018	2.45m

MADAGASCAR

VOHEMAR	1024Z	05Sep2018	2.95m
ANOROTSANGANA	1026Z	05Sep2018	2.56m
TOAMASINA AIRPORT	1038Z	05Sep2018	4.32m
TAMPOLO	1044Z	05Sep2018	4.56m
GLORIOSO ISLANDS	1048Z	05Sep2018	0.95m
AMBAHY	1052Z	05Sep2018	10.43m
FARAFAGANA	1102Z	05Sep2018	8.79m
MANANTENINA	1104Z	05Sep2018	7.59m
AMBANJA	1124Z	05Sep2018	1.11m
BALY	1138Z	05Sep2018	2.07m
TAMOTAMO	1144Z	05Sep2018	1.14m
SAMPONA	1146Z	05Sep2018	5.56m
ANDROKA	1200Z	05Sep2018	2.95m
EUROPA ISLAND	1244Z	05Sep2018	1.03m
MANJA	1318Z	05Sep2018	1.19m

MALAYSIA

SATUN	0638Z	05Sep2018	1.49m
YAN	0644Z	05Sep2018	1.15m
WEST OF ALOR SETAR	0702Z	05Sep2018	1.97m
KUALA MUDA	0702Z	05Sep2018	1.97m
SEBERANG PERAI SELATAN	0708Z	05Sep2018	1.57m
SEBERANG PERAI UTARA & BARAT DAYA	0720Z	05Sep2018	1.81m
KERIAN	0734Z	05Sep2018	1.50m
LARUT AND MATANG	0742Z	05Sep2018	1.55m
MANJUNG	0748Z	05Sep2018	1.54m
HILIR PERAK	0818Z	05Sep2018	1.02m
SABAK BERNAM	0906Z	05Sep2018	1.02m
KUALA SELANGOR	0958Z	05Sep2018	1.25m
KUALA LANGAT	0200Z	06Sep2018	0.78m
SEPANG	0250Z	06Sep2018	0.67m

MALDIVES

THINADHOO	0604Z	05Sep2018	8.28m
KOLHUFUSHI	0604Z	05Sep2018	6.58m
DHIYAMIGILI	0606Z	05Sep2018	10.26m
MALE	0606Z	05Sep2018	7.08m
KULHUDUFFUSHI	0608Z	05Sep2018	4.39m
HITHADHOO	0610Z	05Sep2018	7.96m
GOIDHOO	0622Z	05Sep2018	4.75m
NILANDHOO	0626Z	05Sep2018	12.08m
FERIDHOO	0634Z	05Sep2018	4.79m

MAURITIUS

LA FERME	0838Z	05Sep2018	9.73m
CARGADOS CARAJOS	0910Z	05Sep2018	13.58m
AGALEGA ISLAND	0920Z	05Sep2018	3.36m
GRANDE REVIERE SUD EST-EAST	0924Z	05Sep2018	5.87m
GRANDE REVIERE SUD EST-WEST	0940Z	05Sep2018	4.21m

MOZAMBIQUE

MAGANJA	1142Z	05Sep2018	3.01m
MERONVI	1150Z	05Sep2018	2.50m
QUITERAJO	1154Z	05Sep2018	1.44m
TAVARI	1158Z	05Sep2018	1.46m
PEMBA	1158Z	05Sep2018	2.06m
MURREBUE	1200Z	05Sep2018	1.90m
MECUFI	1202Z	05Sep2018	1.73m
LURIO	1204Z	05Sep2018	1.88m
NANGATA	1206Z	05Sep2018	1.52m
LUMBO	1208Z	05Sep2018	1.12m
MINHAUINE	1208Z	05Sep2018	1.72m
MOGINCUAL	1218Z	05Sep2018	1.05m
NAMORRE	1242Z	05Sep2018	0.96m
INHARRIME	1316Z	05Sep2018	2.74m
POMENE	1326Z	05Sep2018	1.65m
VILANKULO	1328Z	05Sep2018	1.67m
MAGUEMBA	1330Z	05Sep2018	1.98m
INHASSORO	1342Z	05Sep2018	1.35m
MOEBASE	1344Z	05Sep2018	1.13m
ZAVALA	1344Z	05Sep2018	1.91m
OCONE	1348Z	05Sep2018	1.17m

IOC Technical Series, 138 (I) Supplement 2
page 60

MAPUTO	1348Z	05Sep2018	2.80m
VILA DO CHINDE	1348Z	05Sep2018	1.17m
XAI-XAI	1350Z	05Sep2018	4.22m
AMADE	1352Z	05Sep2018	1.11m
MALUANA	1354Z	05Sep2018	2.63m
NHANGAU	1404Z	05Sep2018	0.95m
MAIONGUE	1420Z	05Sep2018	1.82m
NOVA LUSITANIA	1422Z	05Sep2018	1.88m

MYANMAR			
LITTLE COCO ISLAND	0454Z	05Sep2018	2.13m
THAN KYUN	0502Z	05Sep2018	2.98m
GREAT WESTERN TORRES ISLAND	0504Z	05Sep2018	2.38m
PREPARIS ISLAND	0508Z	05Sep2018	2.33m
LORD LOUGHBOROUGH ISLAND	0510Z	05Sep2018	2.38m
KYWEGYAUNG	0540Z	05Sep2018	2.20m
CHEDUBA ISLAND	0540Z	05Sep2018	2.56m
MAWYEN	0548Z	05Sep2018	3.62m
SITTWE	0610Z	05Sep2018	3.73m
THAWINCHAUNG	0612Z	05Sep2018	2.57m
KYAUKPYU	0616Z	05Sep2018	2.28m
MALI KYUN	0620Z	05Sep2018	1.60m
PHARPON	0636Z	05Sep2018	2.28m
MAGYIGYAING	0646Z	05Sep2018	2.90m
YE	0652Z	05Sep2018	1.75m
YANGON-S	0658Z	05Sep2018	1.10m

OMAN			
HASIK	0952Z	05Sep2018	2.91m
AD DUQM	0956Z	05Sep2018	1.84m
AL JAZER	1000Z	05Sep2018	1.17m
MIRBAT	1000Z	05Sep2018	2.91m
RAS AR RUWAYS	1002Z	05Sep2018	2.19m
MASIRAH	1004Z	05Sep2018	1.15m
SALALAH	1008Z	05Sep2018	3.07m
TAQAH	1010Z	05Sep2018	3.92m
AL ASHKHARAH	1012Z	05Sep2018	0.87m
SUR	1018Z	05Sep2018	0.84m
MUSCAT	1040Z	05Sep2018	0.95m
SOHAR	1134Z	05Sep2018	0.54m
EAST MUSANDAM	1158Z	05Sep2018	1.25m

PAKISTAN			
ORMARA	1032Z	05Sep2018	1.09m
WINDER	1050Z	05Sep2018	1.84m
KARACHI	1110Z	05Sep2018	2.66m
SINDH	1408Z	05Sep2018	1.70m

SEYCHELLES			
FREGATE ISLAND	0906Z	05Sep2018	3.92m
COETIVY ISLAND	0910Z	05Sep2018	3.41m
TAKAMAKA	0924Z	05Sep2018	5.73m
ILE DESROCHES	0936Z	05Sep2018	3.21m
ALPHONSE ISLAND	0948Z	05Sep2018	1.80m
FARQUHAR GROUP	1006Z	05Sep2018	2.05m
ASTOVE ISLAND	1036Z	05Sep2018	1.84m
ALDABRA	1048Z	05Sep2018	2.38m

SOMALIA			
BANDER-BEYLA	1000Z	05Sep2018	5.63m
EYL	1006Z	05Sep2018	4.24m
TOOXIN	1006Z	05Sep2018	4.76m
JARIIBAN	1012Z	05Sep2018	4.46m
GALDOGOB	1012Z	05Sep2018	5.65m
XARARDHEERE	1016Z	05Sep2018	5.36m
CEEL DHEER	1018Z	05Sep2018	4.55m
MAREEG	1020Z	05Sep2018	4.70m
ABO	1020Z	05Sep2018	1.81m
ITALA	1020Z	05Sep2018	4.14m
UARSCIECH	1028Z	05Sep2018	4.52m
MUQDISHO	1032Z	05Sep2018	5.76m
BEYNAX BARRE	1042Z	05Sep2018	3.86m
BARAAWE	1044Z	05Sep2018	3.92m
TURDHO	1052Z	05Sep2018	3.45m
JILIB	1052Z	05Sep2018	2.47m
NE BEERNAASI	1058Z	05Sep2018	3.78m
KAAMBOONI	1106Z	05Sep2018	3.82m

QANDALA	1108Z	05Sep2018	0.58m
BOSASO	1124Z	05Sep2018	0.51m
SAYLAC	1238Z	05Sep2018	0.64m
LOYADO	1244Z	05Sep2018	0.70m
HADAAFTIMO	1424Z	05Sep2018	0.59m

SOUTH AFRICA

LAKE SIBAYI	1332Z	05Sep2018	3.12m
GWABALANDA HITAWI	1334Z	05Sep2018	2.75m
PORT DURNFORD	1334Z	05Sep2018	3.91m
KOSIMEER	1338Z	05Sep2018	2.79m
FUNK SEAMOUNT	1342Z	05Sep2018	6.82m
MANDI	1346Z	05Sep2018	3.72m
MARGATE	1346Z	05Sep2018	6.37m
BIZANA	1348Z	05Sep2018	4.11m
KELSO	1348Z	05Sep2018	4.66m
LUSIKISIKI	1350Z	05Sep2018	3.94m
PORT ST JOHNS	1350Z	05Sep2018	3.94m
ELLIOTDALE	1350Z	05Sep2018	3.94m
BATHURST	1350Z	05Sep2018	3.94m
PORT ELIZABETH	1350Z	05Sep2018	3.94m
HANKEY	1350Z	05Sep2018	3.94m
ABORETUM	1350Z	05Sep2018	3.30m
GEORGE	1350Z	05Sep2018	3.94m
BREDASDORP	1350Z	05Sep2018	3.94m
WILLOWVALE	1350Z	05Sep2018	3.94m
KENTANI	1350Z	05Sep2018	3.94m
MARSHSTRAND	1350Z	05Sep2018	3.94m
PEDDIE	1350Z	05Sep2018	3.94m
ALEXANDRIA	1350Z	05Sep2018	3.94m
HUMANSDORP	1350Z	05Sep2018	3.94m
MOSSEL	1350Z	05Sep2018	3.94m
HEIDELBERG	1350Z	05Sep2018	3.94m
NGQUELENI	1350Z	05Sep2018	3.94m
WITAAND	1350Z	05Sep2018	3.94m
GAMTOOS	1350Z	05Sep2018	3.94m
ZIKHOVA	1350Z	05Sep2018	3.94m
KAYSER'S BEACH	1350Z	05Sep2018	3.94m

SRI LANKA

OKANDA	0444Z	05Sep2018	9.34m
KIRINDA	0444Z	05Sep2018	8.09m
POTTUVIL	0444Z	05Sep2018	9.62m
AKKARAIPATTU	0444Z	05Sep2018	9.33m
BATTICALOA	0446Z	05Sep2018	9.51m
KATTANKUDI	0450Z	05Sep2018	8.33m
HAMBANTOTA	0450Z	05Sep2018	9.08m
ANAITIVU	0454Z	05Sep2018	9.23m
PANKULAM	0454Z	05Sep2018	7.14m
TANGALLE	0454Z	05Sep2018	6.76m
MATARA	0456Z	05Sep2018	6.46m
GALLE	0500Z	05Sep2018	6.46m
MULLAITTIVU	0500Z	05Sep2018	5.82m
CHUNDIKKULAM	0506Z	05Sep2018	5.96m
AMBALANGODA	0506Z	05Sep2018	4.16m
BERUWALA	0514Z	05Sep2018	3.79m
CHAVAKACHCHERI	0516Z	05Sep2018	3.24m
COLOMBO	0520Z	05Sep2018	3.13m
MORATUWA	0522Z	05Sep2018	5.72m
POINT PEDRO	0522Z	05Sep2018	3.23m
NEGOMBO	0530Z	05Sep2018	3.47m
MUNDAL LAKE	0534Z	05Sep2018	2.75m
MANNAR ISLAND	0544Z	05Sep2018	1.74m
MUSALI	0556Z	05Sep2018	1.40m

TANZANIA

VUMBA	1128Z	05Sep2018	2.26m
VUMBI	1132Z	05Sep2018	2.33m
ZANZIBAR	1136Z	05Sep2018	2.53m
GAZIJA	1138Z	05Sep2018	2.10m
JIMBO	1140Z	05Sep2018	2.34m
KUTANI	1142Z	05Sep2018	3.65m
MADANGWA	1142Z	05Sep2018	1.92m
SONGO SONGO ISLAND	1144Z	05Sep2018	1.73m
RUUVU	1144Z	05Sep2018	2.38m
BOMALANDNI	1150Z	05Sep2018	1.56m
WEST TO KONDE	1150Z	05Sep2018	2.03m

IOC Technical Series, 138 (I) Supplement 2
page 62

MSASANI	1150Z	05Sep2018	2.07m
BAGAMOYO	1152Z	05Sep2018	1.93m
THAILAND			
THAI MUEANG	0434Z	05Sep2018	6.19m
KO RACHA NOI	0444Z	05Sep2018	4.24m
KOH SURIN TAI	0504Z	05Sep2018	3.85m
KOH LANTA YAI	0518Z	05Sep2018	3.07m
KOH ROK	0528Z	05Sep2018	2.23m
THAI MUEANG TAKUA PA	0530Z	05Sep2018	4.35m
KOH TARUTAO	0538Z	05Sep2018	2.40m
MUEANG SATUN	0538Z	05Sep2018	2.40m
TIMOR-LESTE			
BOBONARO	0826Z	05Sep2018	0.87m
PANTE MACASSAR	0826Z	05Sep2018	0.83m
LIQUICA	0834Z	05Sep2018	0.69m
UNITED ARAB EMIRATES			
KALBA	1136Z	05Sep2018	1.19m
UNITED KINGDOM			
MORESBY ISLAND	0628Z	05Sep2018	11.63m
DIEGO GARCIA	0630Z	05Sep2018	12.10m
NW EGMONT ISLAND	0650Z	05Sep2018	7.10m
YEMEN			
SOCOTRA ISLAND SOUTH	0942Z	05Sep2018	5.07m
SOCOTRA ISLAND NORTH	0958Z	05Sep2018	3.17m
SOCOTRA ISLAND WEST	1012Z	05Sep2018	1.45m
DAMQAWT	1012Z	05Sep2018	3.63m
AL GHAYDAH AIRPORT	1028Z	05Sep2018	2.74m
HUSWAYN	1034Z	05Sep2018	1.84m
ALQUMRAH	1042Z	05Sep2018	1.53m
HAMI	1106Z	05Sep2018	0.91m
AL MUKALLA	1108Z	05Sep2018	0.90m
MASILAH WADI	1108Z	05Sep2018	1.39m
BROM MAYFA	1110Z	05Sep2018	0.76m
HARRAH	1110Z	05Sep2018	1.27m
EAST TO HAMI	1112Z	05Sep2018	0.92m
RUDUM	1120Z	05Sep2018	0.70m
AHWAR	1134Z	05Sep2018	0.64m
KHANFAR	1158Z	05Sep2018	1.40m
MA'ALLAH	1244Z	05Sep2018	0.78m
QAWAH	1246Z	05Sep2018	0.76m
AL MUALLA	1306Z	05Sep2018	0.69m
ADEN	1550Z	05Sep2018	1.06m

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 0832 UTC Wednesday 05 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: 9.3 Mwp
Depth: 10km
Date: 05 Sep 2018
Origin Time: 0300 UTC
Latitude: 3.30N
Longitude: 96.00E
Location: Northern Sumatra, Indonesia

2. EVALUATION

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

Sabang	INDONESIA	5.80N	95.33E	8.00m	05 Sep 03:25 UTC
Meulaboh	INDONESIA	4.17N	96.00E	8.00m	05 Sep 03:40 UTC
Telukdalam	INDONESIA	0.50N	97.83E	6.00m	05 Sep 03:45 UTC
Deep Ocean Buoy 23227	BAY OF BENGAL	6.26N	88.79E	0.46m	05 Sep 04:19 UTC
Seblat	INDONESIA	3.17S	101.50E	1.80m	05 Sep 04:20 UTC
Deep Ocean Buoy 23401	NICOBAR ISLAND	8.90N	88.50E	0.33m	05 Sep 04:24 UTC
Deep Ocean Buoy 23219	BAY OF BENGAL	10.58N	89.28E	0.33m	05 Sep 04:24 UTC
Sibolga	INDONESIA	1.67N	98.67E	4.00m	05 Sep 04:40 UTC
Cocos Island	AUSTRALIA	12.10S	96.89E	2.20m	05 Sep 04:45 UTC
Ko Taphao Noi	THAILAND	7.80N	98.42E	2.50m	05 Sep 04:50 UTC
Christmas Island	AUSTRALIA	10.40S	105.67E	0.75m	05 Sep 05:00 UTC
Port Blair	INDIA	11.70N	92.76E	1.20m	05 Sep 05:00 UTC
Nancowry	INDIA	8.10N	93.55E	5.40m	05 Sep 05:15 UTC
Padang	INDONESIA	1.00S	100.37E	2.00m	05 Sep 05:35 UTC
Trincomalee	SRI LANKA	8.67N	81.33E	1.40m	05 Sep 05:35 UTC
Pangandaran	INDONESIA	7.83S	108.50E	0.60m	05 Sep 06:35 UTC
Langkawi	MALAYSIA	6.50N	99.83E	2.50m	05 Sep 06:05 UTC
Cilacap	INDONESIA	7.80S	109.00E	0.50m	05 Sep 06:40 UTC
Sadeng	INDONESIA	8.33S	110.83E	0.50m	05 Sep 06:40 UTC
Gan	MALDIVES	0.70S	73.15E	2.00m	05 Sep 06:45 UTC
Male	MALDIVES	4.20N	73.53E	1.50m	05 Sep 06:55 UTC
Diego Garcia	UK	7.20S	72.43E	1.60m	05 Sep 06:55 UTC
Deep Ocean Buoy 56003	INDIAN OCEAN	15.02S	117.94E	0.09m	05 Sep 07:00 UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	4.10m	05 Sep 07:05 UTC
Point Murat	AUSTRALIA	21.80S	114.19E	3.20m	05 Sep 07:35 UTC
Cape Cuvier Wharf	AUSTRALIA	24.20S	113.40E	3.00m	05 Sep 08:05 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.

IOC Technical Series, 138 (I) Supplement 2
page 64

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			
COCOS ISLAND	0438Z	05Sep2018	2.55m
CHRISTMAS ISLAND	0446Z	05Sep2018	1.02m
NINGALOO COAST	0700Z	05Sep2018	2.78m
PILBARA COAST WEST	0734Z	05Sep2018	3.92m
GASCOYNE COAST	0746Z	05Sep2018	2.60m
GERALDTON COAST	0752Z	05Sep2018	3.95m
ASHMORE REEF	0806Z	05Sep2018	0.59m
PILBARA COAST EAST	0812Z	05Sep2018	2.09m
LANCELIN COAST	0818Z	05Sep2018	2.22m
PERTH COAST	0824Z	05Sep2018	2.51m
BUNBURY GEOGRAPHE COAST	0842Z	05Sep2018	3.15m
LEEUEWIN COAST	0854Z	05Sep2018	2.47m
WEST KIMBERLY COAST	0900Z	05Sep2018	1.89m
ALBANY COAST	0914Z	05Sep2018	1.73m
NORTH KIMBERLY COAST	0956Z	05Sep2018	1.41m
ESPERENCE COAST	1228Z	05Sep2018	0.95m
HEARD ISLAND AND MCDONALD ISLANDS	1230Z	05Sep2018	10.77m
AURORA BANK	1240Z	05Sep2018	4.45m
WEST COAST VIC	1516Z	05Sep2018	1.36m
BEAGLE BONAPARTE COAST	1844Z	05Sep2018	0.81m
EUCLA COAST	1918Z	05Sep2018	1.14m
SOUTH WEST COAST TAS	1958Z	05Sep2018	1.61m
CENTRAL WEST COAST TAS	2006Z	05Sep2018	1.62m
FAR NORTH WEST COAST TAS	2034Z	05Sep2018	0.93m
SOUTH CENTRAL COAST SA	2050Z	05Sep2018	1.09m
LOWER SOUTH EAST COAST SA	2058Z	05Sep2018	1.31m
UPPER WEST COAST SA	2132Z	05Sep2018	1.05m
LOWER WEST COAST SA	2152Z	05Sep2018	0.77m
CENTRAL COAST SA	2208Z	05Sep2018	0.74m
NORTH TIWI COAST	2224Z	05Sep2018	0.82m
FAR WEST COAST SA	2230Z	05Sep2018	1.02m
UPPER SOUTH EAST COAST SA	2232Z	05Sep2018	1.22m
CENTRAL COAST VIC	2304Z	05Sep2018	0.82m

BANGLADESH			
COXS BAZAR	0638Z	05Sep2018	3.08m
CHALNA	0642Z	05Sep2018	1.91m
KUTUBDIA ISLAND	0650Z	05Sep2018	3.74m
BARGUNA	0650Z	05Sep2018	3.74m

COMOROS			
DZAOUDZI	1114Z	05Sep2018	0.96m
BAMBAO	1116Z	05Sep2018	1.30m
CHEZANI	1120Z	05Sep2018	2.53m
FOMBONI	1122Z	05Sep2018	1.44m

DJIBOUTI			
NW ARTA	1240Z	05Sep2018	1.64m
MUHAMMAD ALI BIN FATHA SUMANA	1240Z	05Sep2018	1.39m

FRANCE			
LLE SAINT-PAUL-NORTH	0920Z	05Sep2018	3.48m
LLE SAINT-PAUL-SOUTH	0932Z	05Sep2018	3.38m
SAINT-DENIS	0952Z	05Sep2018	3.93m
SAINT - JOSEPH	0952Z	05Sep2018	4.74m
ILE KERGUELEN	1148Z	05Sep2018	9.96m
NES CROZET	1204Z	05Sep2018	4.28m
ILE DE LA POSSESSION	1204Z	05Sep2018	4.72m
CROZET PLATEAU	1214Z	05Sep2018	6.31m

INDIA			
INDIRA POINT	0316Z	05Sep2018	12.88m
KOMATRA & KATCHAL ISLAND	0326Z	05Sep2018	7.03m

CAR NICOBAR	0336Z	05Sep2018	4.76m
LITTLE ANDAMAN	0358Z	05Sep2018	3.24m
NORTH SENTINEL ISLAND	0406Z	05Sep2018	5.12m
PORT BLAIR	0422Z	05Sep2018	5.38m
HAVELOCK	0432Z	05Sep2018	6.62m
FLAT ISLAND	0432Z	05Sep2018	4.04m
WEST & LANDFALL ISLAND	0432Z	05Sep2018	3.03m
BARREN ISLAND	0434Z	05Sep2018	1.78m
RANGATH BAY	0440Z	05Sep2018	2.61m
NARCONDAM ISLAND	0450Z	05Sep2018	1.92m
DIGLIPUR	0452Z	05Sep2018	3.12m
MARAKKANAM	0520Z	05Sep2018	7.13m
CHENNAI	0522Z	05Sep2018	5.99m
CUDDALORE	0522Z	05Sep2018	4.93m
PUDUCHERRY	0522Z	05Sep2018	4.43m
MAHABALIPURAM	0522Z	05Sep2018	5.99m
MALLIPATTINAM	0526Z	05Sep2018	2.26m
POOMBUHAR	0526Z	05Sep2018	4.76m
KARAIKAL	0528Z	05Sep2018	3.37m
SRIHARIKOTA	0528Z	05Sep2018	4.35m
NAGAPATTINAM	0528Z	05Sep2018	3.56m
ENNORE	0530Z	05Sep2018	8.31m
MUTHUPET	0532Z	05Sep2018	2.00m
KAKINADA	0536Z	05Sep2018	3.02m
MACHILIPATNAM	0536Z	05Sep2018	4.09m
PERUPALEM	0540Z	05Sep2018	3.58m
NIJAMPATTANAM	0542Z	05Sep2018	3.10m
KOTTAPATNAM	0544Z	05Sep2018	3.92m
TUTICORIN	0544Z	05Sep2018	2.76m
VISAKHAPATNAM	0546Z	05Sep2018	3.71m
KONADA	0550Z	05Sep2018	2.99m
KALINGAPATNAM	0550Z	05Sep2018	4.54m
KOODANKULAM	0552Z	05Sep2018	3.92m
PARADIP	0554Z	05Sep2018	5.35m
RAMESWARAM	0554Z	05Sep2018	2.33m
PURI	0556Z	05Sep2018	4.45m
KOTTTAIPPATTANAM	0558Z	05Sep2018	1.59m
GOPALPUR	0602Z	05Sep2018	4.41m
KANYAKUMARI	0604Z	05Sep2018	3.92m
JAMBOO	0612Z	05Sep2018	4.11m
TRIVANDRUM	0618Z	05Sep2018	2.55m
QUILON	0620Z	05Sep2018	2.31m
MINICOY	0628Z	05Sep2018	1.68m
ALLEPPEY ALAPPUZHA	0634Z	05Sep2018	3.00m
ANDROTH	0640Z	05Sep2018	1.29m
HEMNAGAR	0642Z	05Sep2018	1.56m
DHAMRA	0646Z	05Sep2018	3.80m
NAMKHANA	0648Z	05Sep2018	2.05m
KAVARATTI	0652Z	05Sep2018	1.31m
DIGHA	0656Z	05Sep2018	2.59m
AMINI	0700Z	05Sep2018	1.18m
VADANAPPALLY	0700Z	05Sep2018	2.24m
COCHIN	0700Z	05Sep2018	2.44m
AGATTI	0702Z	05Sep2018	1.31m
CHANDIPUR	0702Z	05Sep2018	3.05m
VAKKAD	0710Z	05Sep2018	1.79m
BEYPORE	0724Z	05Sep2018	2.08m
KANNUR	0732Z	05Sep2018	2.80m
MAHE	0734Z	05Sep2018	2.26m
KASARAGOD	0738Z	05Sep2018	2.50m
MANGALORE	0800Z	05Sep2018	1.80m
UDUPI	0816Z	05Sep2018	1.91m
KARWAR	0848Z	05Sep2018	2.14m
MALVAN BAY	0854Z	05Sep2018	1.77m
VASCO	0900Z	05Sep2018	1.65m
PANAJI	0902Z	05Sep2018	1.65m
JAIGARH	0920Z	05Sep2018	1.36m
PORBANDAR	1222Z	05Sep2018	1.37m
DWARKA	1224Z	05Sep2018	1.77m
JAMNAGAR	1240Z	05Sep2018	1.36m
MANGROL	1244Z	05Sep2018	1.47m
HAZIRA, DIU	1254Z	05Sep2018	2.87m
TARAPUR	1354Z	05Sep2018	1.27m
MANDVI	1358Z	05Sep2018	1.72m
MAHUVA	1506Z	05Sep2018	1.07m
KHAMBAT	1526Z	05Sep2018	0.86m
BHARUCH	1536Z	05Sep2018	0.93m

IOC Technical Series, 138 (I) Supplement 2
page 66

ALIBAG PORT	1544Z	05Sep2018	1.49m
MUMBAI	1544Z	05Sep2018	1.49m
PIPAVAV	1712Z	05Sep2018	0.90m
DAMAN	1918Z	05Sep2018	0.94m
BORSI	1918Z	05Sep2018	0.94m
HAZIRA	1920Z	05Sep2018	0.95m
INDONESIA			
SUMUT NIAS B	0300Z	05Sep2018	27.56m
NAD SIMEULUE P.SIMEULUE	0300Z	05Sep2018	28.15m
SUMUT NIAS-SELATAN P.TANAHMASA	0300Z	05Sep2018	19.88m
GUNUNGSITOLI	0300Z	05Sep2018	10.99m
SUMUT NIAS-SELATAN P.NIAS	0300Z	05Sep2018	27.88m
SUMUT NIAS-SELATAN P.TANABALA	0300Z	05Sep2018	18.83m
NAD ACEH-SINGKIL KEP.BANYAK	0306Z	05Sep2018	19.61m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0312Z	05Sep2018	10.63m
NIAS	0314Z	05Sep2018	11.95m
NIAS-NORTH	0316Z	05Sep2018	10.97m
SOUTH OF BODAHAYIONE	0316Z	05Sep2018	10.16m
NAD ACEH-JAYA	0322Z	05Sep2018	49.69m
NAD ACEH-BESAR B	0322Z	05Sep2018	44.99m
NIAS-EAST	0324Z	05Sep2018	8.07m
NAD ACEH-BESAR P.PENASI	0324Z	05Sep2018	46.49m
NAD ACEH-BESAR P.BREUEH	0324Z	05Sep2018	47.77m
NAD KOTA-BANDA-ACEH	0326Z	05Sep2018	26.01m
NAD KOTA-SABANG P.WEH	0326Z	05Sep2018	26.05m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0326Z	05Sep2018	4.77m
NAD ACEH-SELATAN S	0328Z	05Sep2018	14.94m
MUARASIBERUT	0328Z	05Sep2018	4.36m
SUMUT MANDAILING-NATAL U	0328Z	05Sep2018	11.62m
NAD ACEH-SINGKIL	0330Z	05Sep2018	8.73m
NAD NAGAN-RAYA	0332Z	05Sep2018	22.56m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0332Z	05Sep2018	5.87m
NAD ACEH-BARAT	0332Z	05Sep2018	50.27m
NAD ACEH-SELATAN U	0334Z	05Sep2018	14.37m
NAD ACEH-BARAT-DAYA	0338Z	05Sep2018	24.30m
NAD ACEH-BESAR U	0342Z	05Sep2018	15.41m
SUMUT TAPANULI-TENGAH U	0344Z	05Sep2018	17.35m
NAD PIDIE	0346Z	05Sep2018	7.48m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0346Z	05Sep2018	12.91m
SAKUBO	0350Z	05Sep2018	2.24m
SUMUT TAPANULI-SELATAN	0352Z	05Sep2018	15.34m
SUMBAR KOTA-PADANG U	0356Z	05Sep2018	6.91m
SUMUT TAPANULI-TENGAH S	0356Z	05Sep2018	11.86m
NAD BIREUEN	0358Z	05Sep2018	7.43m
MUARASIGEP	0400Z	05Sep2018	2.32m
SUMBAR PESISIR-SELATAN U	0400Z	05Sep2018	2.40m
SUMBAR PADANG-PARIAMAN U	0400Z	05Sep2018	2.19m
SUMBAR AGAM	0400Z	05Sep2018	3.89m
SUMBAR KOTA-PARIAMAN	0400Z	05Sep2018	2.26m
SUMBAR KOTA-PADANG S	0402Z	05Sep2018	2.29m
SUMUT MANDAILING-NATAL S	0402Z	05Sep2018	6.93m
SUMBAR KOTA-PADANG U	0402Z	05Sep2018	2.65m
SUMBAR PADANG-PARIAMAN S	0402Z	05Sep2018	2.16m
BENGKULU BENGKULU-UTARA P.ENGGANO	0404Z	05Sep2018	2.29m
NAD ACEH-UTARA B	0406Z	05Sep2018	7.43m
NAD KOTA-LHOKSEUMAWA	0408Z	05Sep2018	5.44m
MURASAIBI	0410Z	05Sep2018	2.14m
BENGKULU BENGKULU-UTARA U	0412Z	05Sep2018	1.85m
SUMBAR PESISIR-SELATAN S	0412Z	05Sep2018	2.31m
BENGKULU MUKOMUKO	0414Z	05Sep2018	2.05m
NAD ACEH-UTARA T	0416Z	05Sep2018	5.03m
BENGKULU BENGKULU-SELATAN	0422Z	05Sep2018	2.11m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0422Z	05Sep2018	2.62m
BENGKULU SELUMA	0422Z	05Sep2018	2.28m
BENGKULU BENGKULU-UTARA S	0424Z	05Sep2018	3.03m
BENGKULU KAUR	0424Z	05Sep2018	1.94m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0432Z	05Sep2018	2.32m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0434Z	05Sep2018	2.22m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0434Z	05Sep2018	2.24m
LAMPUNG TANGGAMUS B	0438Z	05Sep2018	2.09m
NAD ACEH-TIMUR	0440Z	05Sep2018	3.27m
BANTEN PANDEGLANG P.PANAITAN	0442Z	05Sep2018	1.43m
BANTEN PANDEGLANG S	0444Z	05Sep2018	1.34m
BANTEN LEBAK	0452Z	05Sep2018	2.08m
JABAR SUKABUMI UJUNG-GENTENG	0454Z	05Sep2018	1.39m
JABAR SUKABUMI PELABUHAN-RATU	0454Z	05Sep2018	6.99m

LAMPUNG TANGGAMUS T	0454Z	05Sep2018	3.30m
BANTEN KOTA-CILEGON P.SANGIANG	0456Z	05Sep2018	2.12m
BANTEN SERANG B	0456Z	05Sep2018	2.12m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0456Z	05Sep2018	2.00m
LAMPUNG TANGGAMUS P.TABUAN	0456Z	05Sep2018	1.27m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0456Z	05Sep2018	2.12m
JABAR CIANJUR SINDANGBARANG	0500Z	05Sep2018	1.74m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0502Z	05Sep2018	4.23m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0506Z	05Sep2018	2.00m
LAMPUNG LAMPUNG-SELATAN B	0506Z	05Sep2018	2.00m
JABAR GARUT	0508Z	05Sep2018	1.87m
JABAR TASIKMALAYA	0512Z	05Sep2018	1.96m
BANTEN PANDEGLANG U	0514Z	05Sep2018	2.90m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0526Z	05Sep2018	2.64m
JABAR CIAMIS	0528Z	05Sep2018	2.22m
JATENG PURWOREJO	0538Z	05Sep2018	2.36m
JATENG KEBUMEN	0538Z	05Sep2018	1.91m
NAD KOTA-LANGSA	0538Z	05Sep2018	1.31m
JATENG CILACAP	0542Z	05Sep2018	2.72m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0542Z	05Sep2018	3.36m
DIY KULON-PROGO	0544Z	05Sep2018	1.80m
DIY BANTUL	0544Z	05Sep2018	2.18m
DIY GUNUNG-KIDUL	0546Z	05Sep2018	2.23m
JATENG WONOGIRI	0552Z	05Sep2018	1.22m
JATIM PACITAN	0554Z	05Sep2018	1.99m
JATIM TRENGGALEK	0556Z	05Sep2018	1.99m
NAD ACEH-TAMIANG	0602Z	05Sep2018	1.35m
JATIM BLITAR	0606Z	05Sep2018	1.21m
JATIM MALANG	0606Z	05Sep2018	1.11m
JATIM TULUNGAGUNG	0612Z	05Sep2018	1.10m
JATIM JEMBER P.NUSABARUNG	0616Z	05Sep2018	0.87m
JATIM BANYUWANGI S	0618Z	05Sep2018	1.10m
JATIM JEMBER	0620Z	05Sep2018	1.13m
JATIM LUMAJANG	0624Z	05Sep2018	1.54m
BALI BADUNG PANTAI-KUTA	0630Z	05Sep2018	1.03m
BALI DENPASAR PANTAI-SANUR	0632Z	05Sep2018	0.75m
BALI TABANAN	0632Z	05Sep2018	1.42m
BALI KLUNGKUNG P.NUSAPENIDA	0634Z	05Sep2018	0.76m
NTB LOMBOK-TENGAH	0638Z	05Sep2018	0.93m
NTB LOMBOK-TIMUR S	0642Z	05Sep2018	1.07m
NTB SUMBAWA B	0644Z	05Sep2018	0.77m
SUMUT LANGKAT	0644Z	05Sep2018	1.42m
NTT SUMBA B	0706Z	05Sep2018	1.46m
NTB KOTA-BIMA S	0706Z	05Sep2018	1.03m
NTB SUMBAWA S	0706Z	05Sep2018	1.09m
NTB DOMPU S	0708Z	05Sep2018	0.75m
NTT SUMBA T	0712Z	05Sep2018	0.90m
BELAWAN	0712Z	05Sep2018	1.59m
NTT MANGGARAI-BARAT P.	0722Z	05Sep2018	1.11m
NTT MANGGARAI-BARAT S	0736Z	05Sep2018	1.40m
SUMUT DELISERDANG	0740Z	05Sep2018	1.47m
SUMUT ASAHAN	0742Z	05Sep2018	1.10m
SUMUT SERDANG-BEDAGAI	0746Z	05Sep2018	1.53m
NTT MANGGARAI S	0752Z	05Sep2018	0.94m
NTT NGADA S	0754Z	05Sep2018	0.76m
NTT KUPANG	0756Z	05Sep2018	0.76m
NTT ENDE S	0806Z	05Sep2018	0.61m
NTT SIKKA S	0812Z	05Sep2018	0.79m
NTT LEMBATA S	0814Z	05Sep2018	0.91m
NTT ROTENDAO	0816Z	05Sep2018	0.67m
NTT FLORES-TIMUR S	0816Z	05Sep2018	0.78m
NTT FLORES-TIMUR P.SOLOR	0816Z	05Sep2018	0.81m
NTT ALOR S	0816Z	05Sep2018	0.91m
NTT BELU U	0822Z	05Sep2018	1.07m
PANTE MACASSAR	0822Z	05Sep2018	0.90m
NTT KOTA-KUPANG	0826Z	05Sep2018	0.63m
LABUHAN BATU	1022Z	05Sep2018	0.70m
ROKAN HILIR	1102Z	05Sep2018	0.72m
DUMAI	0252Z	06Sep2018	0.64m

IRAN			
PUSHT	1042Z	05Sep2018	1.45m
BIR	1100Z	05Sep2018	1.00m
MISKI	1214Z	05Sep2018	1.31m

KENYA			
KIWAYU	1108Z	05Sep2018	2.97m

IOC Technical Series, 138 (I) Supplement 2
page 68

KIPINI	1132Z	05Sep2018	2.22m
MVULENI	1132Z	05Sep2018	2.12m
MALINDI	1134Z	05Sep2018	3.17m
TAKAUNGU	1136Z	05Sep2018	2.99m
KISIMACHANDE	1140Z	05Sep2018	2.45m

MADAGASCAR

VOHEMAR	1024Z	05Sep2018	2.95m
ANOROTSANGANA	1026Z	05Sep2018	2.56m
TOAMASINA AIRPORT	1038Z	05Sep2018	4.32m
TAMPOLO	1044Z	05Sep2018	4.56m
GLORIOSO ISLANDS	1048Z	05Sep2018	0.95m
AMBAHY	1052Z	05Sep2018	10.43m
FARAFAGANA	1102Z	05Sep2018	8.79m
MANANTENINA	1104Z	05Sep2018	7.59m
AMBANJA	1124Z	05Sep2018	1.11m
BALY	1138Z	05Sep2018	2.07m
TAMOTAMO	1144Z	05Sep2018	1.14m
SAMPONA	1146Z	05Sep2018	5.56m
ANDROKA	1200Z	05Sep2018	2.95m
EUROPA ISLAND	1244Z	05Sep2018	1.03m
MANJA	1318Z	05Sep2018	1.19m

MALAYSIA

SATUN	0638Z	05Sep2018	1.49m
YAN	0644Z	05Sep2018	1.15m
WEST OF ALOR SETAR	0702Z	05Sep2018	1.97m
KUALA MUDA	0702Z	05Sep2018	1.97m
SEBERANG PERAI SELATAN	0708Z	05Sep2018	1.57m
SEBERANG PERAI UTARA & BARAT DAYA	0720Z	05Sep2018	1.81m
KERIAN	0734Z	05Sep2018	1.50m
LARUT AND MATANG	0742Z	05Sep2018	1.55m
MANJUNG	0748Z	05Sep2018	1.54m
HILIR PERAK	0818Z	05Sep2018	1.02m
SABAK BERNAM	0906Z	05Sep2018	1.02m
KUALA SELANGOR	0958Z	05Sep2018	1.25m
KUALA LANGAT	0200Z	06Sep2018	0.78m
SEPANG	0250Z	06Sep2018	0.67m

MALDIVES

THINADHOO	0604Z	05Sep2018	8.28m
KOLHUFUSHI	0604Z	05Sep2018	6.58m
DHIYAMIGILI	0606Z	05Sep2018	10.26m
MALE	0606Z	05Sep2018	7.08m
KULHUDUFFUSHI	0608Z	05Sep2018	4.39m
HITHADHOO	0610Z	05Sep2018	7.96m
GOIDHOO	0622Z	05Sep2018	4.75m
NILANDHOO	0626Z	05Sep2018	12.08m
FERIDHOO	0634Z	05Sep2018	4.79m

MAURITIUS

LA FERME	0838Z	05Sep2018	9.73m
CARGADOS CARAJOS	0910Z	05Sep2018	13.58m
AGALEGA ISLAND	0920Z	05Sep2018	3.36m
GRANDE REVIERE SUD EST-EAST	0924Z	05Sep2018	5.87m
GRANDE REVIERE SUD EST-WEST	0940Z	05Sep2018	4.21m

MOZAMBIQUE

MAGANJA	1142Z	05Sep2018	3.01m
MERONVI	1150Z	05Sep2018	2.50m
QUITERAJO	1154Z	05Sep2018	1.44m
TAVARI	1158Z	05Sep2018	1.46m
PEMBA	1158Z	05Sep2018	2.06m
MURREBUE	1200Z	05Sep2018	1.90m
MECUFI	1202Z	05Sep2018	1.73m
LURIO	1204Z	05Sep2018	1.88m
NANGATA	1206Z	05Sep2018	1.52m
LUMBO	1208Z	05Sep2018	1.12m
MINHAUINE	1208Z	05Sep2018	1.72m
MOGINCUAL	1218Z	05Sep2018	1.05m
NAMORRE	1242Z	05Sep2018	0.96m
INHARRIME	1316Z	05Sep2018	2.74m
POMENE	1326Z	05Sep2018	1.65m
VILANKULO	1328Z	05Sep2018	1.67m
MAGUEMBA	1330Z	05Sep2018	1.98m
INHASSORO	1342Z	05Sep2018	1.35m
MOEBASE	1344Z	05Sep2018	1.13m

ZAVALA	1344Z	05Sep2018	1.91m
OCONE	1348Z	05Sep2018	1.17m
MAPUTO	1348Z	05Sep2018	2.80m
VILA DO CHINDE	1348Z	05Sep2018	1.17m
XAI-XAI	1350Z	05Sep2018	4.22m
AMADE	1352Z	05Sep2018	1.11m
MALUANA	1354Z	05Sep2018	2.63m
NHANGAU	1404Z	05Sep2018	0.95m
MAIONGUE	1420Z	05Sep2018	1.82m
NOVA LUSITANIA	1422Z	05Sep2018	1.88m
MYANMAR			
LITTLE COCO ISLAND	0454Z	05Sep2018	2.13m
THAN KYUN	0502Z	05Sep2018	2.98m
GREAT WESTERN TORRES ISLAND	0504Z	05Sep2018	2.38m
PREPARIS ISLAND	0508Z	05Sep2018	2.33m
LORD LOUGHBOROUGH ISLAND	0510Z	05Sep2018	2.38m
KYWEGYAUNG	0540Z	05Sep2018	2.20m
CHEDUBA ISLAND	0540Z	05Sep2018	2.56m
MAWYEN	0548Z	05Sep2018	3.62m
SITTWE	0610Z	05Sep2018	3.73m
THAWINCHAUNG	0612Z	05Sep2018	2.57m
KYAUKPYU	0616Z	05Sep2018	2.28m
MALI KYUN	0620Z	05Sep2018	1.60m
PHARPON	0636Z	05Sep2018	2.28m
MAGYIGYAING	0646Z	05Sep2018	2.90m
YE	0652Z	05Sep2018	1.75m
YANGON-S	0658Z	05Sep2018	1.10m
OMAN			
HASIK	0952Z	05Sep2018	2.91m
AD DUQM	0956Z	05Sep2018	1.84m
AL JAZER	1000Z	05Sep2018	1.17m
MIRBAT	1000Z	05Sep2018	2.91m
RAS AR RUWAYS	1002Z	05Sep2018	2.19m
MASIRAH	1004Z	05Sep2018	1.15m
SALALAH	1008Z	05Sep2018	3.07m
TAQAH	1010Z	05Sep2018	3.92m
AL ASHKHARAH	1012Z	05Sep2018	0.87m
SUR	1018Z	05Sep2018	0.84m
MUSCAT	1040Z	05Sep2018	0.95m
SOHAR	1134Z	05Sep2018	0.54m
EAST MUSANDAM	1158Z	05Sep2018	1.25m
PAKISTAN			
ORMARA	1032Z	05Sep2018	1.09m
WINDER	1050Z	05Sep2018	1.84m
KARACHI	1110Z	05Sep2018	2.66m
SINDH	1408Z	05Sep2018	1.70m
SEYCHELLES			
FREGATE ISLAND	0906Z	05Sep2018	3.92m
COETIVY ISLAND	0910Z	05Sep2018	3.41m
TAKAMAKA	0924Z	05Sep2018	5.73m
ILE DESROCHES	0936Z	05Sep2018	3.21m
ALPHONSE ISLAND	0948Z	05Sep2018	1.80m
FARQUHAR GROUP	1006Z	05Sep2018	2.05m
ASTOVE ISLAND	1036Z	05Sep2018	1.84m
ALDABRA	1048Z	05Sep2018	2.38m
SOMALIA			
BANDER-BEYLA	1000Z	05Sep2018	5.63m
EYL	1006Z	05Sep2018	4.24m
TOOXIN	1006Z	05Sep2018	4.76m
JARIIBAN	1012Z	05Sep2018	4.46m
GALDOGOB	1012Z	05Sep2018	5.65m
XARARDHEERE	1016Z	05Sep2018	5.36m
CEEL DHEER	1018Z	05Sep2018	4.55m
MAREEG	1020Z	05Sep2018	4.70m
ABO	1020Z	05Sep2018	1.81m
ITALA	1020Z	05Sep2018	4.14m
UARSCIECH	1028Z	05Sep2018	4.52m
MUQDISHO	1032Z	05Sep2018	5.76m
BEYNAX BARRE	1042Z	05Sep2018	3.86m
BARAAWE	1044Z	05Sep2018	3.92m
TURDHO	1052Z	05Sep2018	3.45m
JILIB	1052Z	05Sep2018	2.47m

IOC Technical Series, 138 (I) Supplement 2
page 70

NE BEERNAASI	1058Z	05Sep2018	3.78m
KAAMBOONI	1106Z	05Sep2018	3.82m
QANDALA	1108Z	05Sep2018	0.58m
BOSASO	1124Z	05Sep2018	0.51m
SAYLAC	1238Z	05Sep2018	0.64m
LOYADO	1244Z	05Sep2018	0.70m
HADAAFTIMO	1424Z	05Sep2018	0.59m

SOUTH AFRICA

LAKE SIBAYI	1332Z	05Sep2018	3.12m
GWABALANDA HITAWI	1334Z	05Sep2018	2.75m
PORT DURNFORD	1334Z	05Sep2018	3.91m
KOSIMEER	1338Z	05Sep2018	2.79m
FUNK SEAMOUNT	1342Z	05Sep2018	6.82m
MANDI	1346Z	05Sep2018	3.72m
MARGATE	1346Z	05Sep2018	6.37m
BIZANA	1348Z	05Sep2018	4.11m
KELSO	1348Z	05Sep2018	4.66m
LUSIKISIKI	1350Z	05Sep2018	3.94m
PORT ST JOHNS	1350Z	05Sep2018	3.94m
ELLIOTDALE	1350Z	05Sep2018	3.94m
BATHURST	1350Z	05Sep2018	3.94m
PORT ELIZABETH	1350Z	05Sep2018	3.94m
HANKEY	1350Z	05Sep2018	3.94m
ABORETUM	1350Z	05Sep2018	3.30m
GEORGE	1350Z	05Sep2018	3.94m
BREDASDORP	1350Z	05Sep2018	3.94m
WILLOWVALE	1350Z	05Sep2018	3.94m
KENTANI	1350Z	05Sep2018	3.94m
MARSHSTRAND	1350Z	05Sep2018	3.94m
PEDDIE	1350Z	05Sep2018	3.94m
ALEXANDRIA	1350Z	05Sep2018	3.94m
HUMANSDORP	1350Z	05Sep2018	3.94m
MOSSEL	1350Z	05Sep2018	3.94m
HEIDELBERG	1350Z	05Sep2018	3.94m
NGQUELENI	1350Z	05Sep2018	3.94m
WITAAND	1350Z	05Sep2018	3.94m
GAMTOOS	1350Z	05Sep2018	3.94m
ZIKHOVA	1350Z	05Sep2018	3.94m
KAYSER'S BEACH	1350Z	05Sep2018	3.94m

SRI LANKA

OKANDA	0444Z	05Sep2018	9.34m
KIRINDA	0444Z	05Sep2018	8.09m
POTTUVIL	0444Z	05Sep2018	9.62m
AKKARAI PATTU	0444Z	05Sep2018	9.33m
BATTICALOA	0446Z	05Sep2018	9.51m
KATTANKUDI	0450Z	05Sep2018	8.33m
HAMBANTOTA	0450Z	05Sep2018	9.08m
ANAITIVU	0454Z	05Sep2018	9.23m
PANKULAM	0454Z	05Sep2018	7.14m
TANGALLE	0454Z	05Sep2018	6.76m
MATARA	0456Z	05Sep2018	6.46m
GALLE	0500Z	05Sep2018	6.46m
MULLAITTIVU	0500Z	05Sep2018	5.82m
CHUNDIKKULAM	0506Z	05Sep2018	5.96m
AMBALANGODA	0506Z	05Sep2018	4.16m
BERUWALA	0514Z	05Sep2018	3.79m
CHAVAKACHCHERI	0516Z	05Sep2018	3.24m
COLOMBO	0520Z	05Sep2018	3.13m
MORATUWA	0522Z	05Sep2018	5.72m
POINT PEDRO	0522Z	05Sep2018	3.23m
NEGOMBO	0530Z	05Sep2018	3.47m
MUNDAL LAKE	0534Z	05Sep2018	2.75m
MANNAR ISLAND	0544Z	05Sep2018	1.74m
MUSALI	0556Z	05Sep2018	1.40m

TANZANIA

VUMBA	1128Z	05Sep2018	2.26m
VUMBI	1132Z	05Sep2018	2.33m
ZANZIBAR	1136Z	05Sep2018	2.53m
GAZIJA	1138Z	05Sep2018	2.10m
JIMBO	1140Z	05Sep2018	2.34m
KUTANI	1142Z	05Sep2018	3.65m
MADANGWA	1142Z	05Sep2018	1.92m
SONGO SONGO ISLAND	1144Z	05Sep2018	1.73m
RUVU	1144Z	05Sep2018	2.38m

BOMALANDNI	1150Z	05Sep2018	1.56m
WEST TO KONDE	1150Z	05Sep2018	2.03m
MSASANI	1150Z	05Sep2018	2.07m
BAGAMOYO	1152Z	05Sep2018	1.93m

THAILAND			
THAI MUEANG	0434Z	05Sep2018	6.19m
KO RACHA NOI	0444Z	05Sep2018	4.24m
KOH SURIN TAI	0504Z	05Sep2018	3.85m
KOH LANTA YAI	0518Z	05Sep2018	3.07m
KOH ROK	0528Z	05Sep2018	2.23m
THAI MUEANG TAKUA PA	0530Z	05Sep2018	4.35m
KOH TARUTAO	0538Z	05Sep2018	2.40m
MUEANG SATUN	0538Z	05Sep2018	2.40m

TIMOR-LESTE			
BOBONARO	0826Z	05Sep2018	0.87m
PANTE MACASSAR	0826Z	05Sep2018	0.83m
LIQUICA	0834Z	05Sep2018	0.69m

UNITED ARAB EMIRATES			
KALBA	1136Z	05Sep2018	1.19m

UNITED KINGDOM			
MORESBY ISLAND	0628Z	05Sep2018	11.63m
DIEGO GARCIA	0630Z	05Sep2018	12.10m
NW EGMONT ISLAND	0650Z	05Sep2018	7.10m

YEMEN			
SOCOTRA ISLAND SOUTH	0942Z	05Sep2018	5.07m
SOCOTRA ISLAND NORTH	0958Z	05Sep2018	3.17m
SOCOTRA ISLAND WEST	1012Z	05Sep2018	1.45m
DAMQAWT	1012Z	05Sep2018	3.63m
AL GHAYDAH AIRPORT	1028Z	05Sep2018	2.74m
HUSWAYN	1034Z	05Sep2018	1.84m
ALQUMRAH	1042Z	05Sep2018	1.53m
HAMI	1106Z	05Sep2018	0.91m
AL MUKALLA	1108Z	05Sep2018	0.90m
MASILAH WADI	1108Z	05Sep2018	1.39m
BROM MAYFA	1110Z	05Sep2018	0.76m
HARRAH	1110Z	05Sep2018	1.27m
EAST TO HAMI	1112Z	05Sep2018	0.92m
RUDUM	1120Z	05Sep2018	0.70m
AHWAR	1134Z	05Sep2018	0.64m
KHANFAR	1158Z	05Sep2018	1.40m
MA'ALLAH	1244Z	05Sep2018	0.78m
QAWAH	1246Z	05Sep2018	0.76m
AL MUALLA	1306Z	05Sep2018	0.69m
ADEN	1550Z	05Sep2018	1.06m

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 0932 UTC Wednesday 05 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: 9.3 Mwp
Depth: 10km
Date: 05 Sep 2018
Origin Time: 0300 UTC
Latitude: 3.30N
Longitude: 96.00E
Location: Northern Sumatra, Indonesia

2. EVALUATION

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

Sabang	INDONESIA	5.80N	95.33E	8.00m	05 Sep 03:25 UTC
Meulaboh	INDONESIA	4.17N	96.00E	8.00m	05 Sep 03:40 UTC
Telukdalam	INDONESIA	0.50N	97.83E	6.00m	05 Sep 03:45 UTC
Deep Ocean Buoy 23227	BAY OF BENGAL	6.26N	88.79E	0.46m	05 Sep 04:19 UTC
Seblat	INDONESIA	3.17S	101.50E	1.80m	05 Sep 04:20 UTC
Deep Ocean Buoy 23401	NICOBAR ISLAND	8.90N	88.50E	0.33m	05 Sep 04:24 UTC
Deep Ocean Buoy 23219	BAY OF BENGAL	10.58N	89.28E	0.33m	05 Sep 04:24 UTC
Sibolga	INDONESIA	1.67N	98.67E	4.00m	05 Sep 04:40 UTC
Cocos Island	AUSTRALIA	12.10S	96.89E	2.20m	05 Sep 04:45 UTC
Ko Taphao Noi	THAILAND	7.80N	98.42E	2.50m	05 Sep 04:50 UTC
Christmas Island	AUSTRALIA	10.40S	105.67E	0.75m	05 Sep 05:00 UTC
Port Blair	INDIA	11.70N	92.76E	1.20m	05 Sep 05:00 UTC
Nancowry	INDIA	8.10N	93.55E	5.40m	05 Sep 05:15 UTC
Padang	INDONESIA	1.00S	100.37E	2.00m	05 Sep 05:35 UTC
Trincomalee	SRI LANKA	8.67N	81.33E	1.40m	05 Sep 05:35 UTC
Pangandaran	INDONESIA	7.83S	108.50E	0.60m	05 Sep 06:35 UTC
Langkawi	MALAYSIA	6.50N	99.83E	2.50m	05 Sep 06:05 UTC
Cilacap	INDONESIA	7.80S	109.00E	0.50m	05 Sep 06:40 UTC
Sadeng	INDONESIA	8.33S	110.83E	0.50m	05 Sep 06:40 UTC
Gan	MALDIVES	0.70S	73.15E	2.00m	05 Sep 06:45 UTC
Male	MALDIVES	4.20N	73.53E	1.50m	05 Sep 06:55 UTC
Diego Garcia	UK	7.20S	72.43E	1.60m	05 Sep 06:55 UTC
Deep Ocean Buoy 56003	INDIAN OCEAN	15.02S	117.94E	0.09m	05 Sep 07:00 UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	4.10m	05 Sep 07:05 UTC
Point Murat	AUSTRALIA	21.80S	114.19E	3.20m	05 Sep 07:35 UTC
Cape Cuvier Wharf	AUSTRALIA	24.20S	113.40E	3.00m	05 Sep 08:05 UTC
Deep Ocean Buoy 56001	INDIAN OCEAN	13.99S	110.10E	0.14m	05 Sep 08:40 UTC
Kirinda	SRI LANKA	6.20N	81.32E	3.50m	05 Sep 09:10 UTC
Port Hedland	AUSTRALIA	20.00S	118.42E	2.00m	05 Sep 09:10 UTC
Rodrigues	MAURITIUS	19.70S	63.42E	1.60m	05 Sep 09:10 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			
COCOS ISLAND	0438Z	05Sep2018	2.55m
CHRISTMAS ISLAND	0446Z	05Sep2018	1.02m
NINGALOO COAST	0700Z	05Sep2018	2.78m
PILBARA COAST WEST	0734Z	05Sep2018	3.92m
GASCOYNE COAST	0746Z	05Sep2018	2.60m
GERALDTON COAST	0752Z	05Sep2018	3.95m
ASHMORE REEF	0806Z	05Sep2018	0.59m
PILBARA COAST EAST	0812Z	05Sep2018	2.09m
LANCELIN COAST	0818Z	05Sep2018	2.22m
PERTH COAST	0824Z	05Sep2018	2.51m
BUNBURY GEOGRAPHE COAST	0842Z	05Sep2018	3.15m
LEEUEWIN COAST	0854Z	05Sep2018	2.47m
WEST KIMBERLY COAST	0900Z	05Sep2018	1.89m
ALBANY COAST	0914Z	05Sep2018	1.73m
NORTH KIMBERLY COAST	0956Z	05Sep2018	1.41m
ESPERENCE COAST	1228Z	05Sep2018	0.95m
HEARD ISLAND AND MCDONALD ISLANDS	1230Z	05Sep2018	10.77m
AURORA BANK	1240Z	05Sep2018	4.45m
WEST COAST VIC	1516Z	05Sep2018	1.36m
BEAGLE BONAPARTE COAST	1844Z	05Sep2018	0.81m
EUCLA COAST	1918Z	05Sep2018	1.14m
SOUTH WEST COAST TAS	1958Z	05Sep2018	1.61m
CENTRAL WEST COAST TAS	2006Z	05Sep2018	1.62m
FAR NORTH WEST COAST TAS	2034Z	05Sep2018	0.93m
SOUTH CENTRAL COAST SA	2050Z	05Sep2018	1.09m
LOWER SOUTH EAST COAST SA	2058Z	05Sep2018	1.31m
UPPER WEST COAST SA	2132Z	05Sep2018	1.05m
LOWER WEST COAST SA	2152Z	05Sep2018	0.77m
CENTRAL COAST SA	2208Z	05Sep2018	0.74m
NORTH TIWI COAST	2224Z	05Sep2018	0.82m
FAR WEST COAST SA	2230Z	05Sep2018	1.02m
UPPER SOUTH EAST COAST SA	2232Z	05Sep2018	1.22m
CENTRAL COAST VIC	2304Z	05Sep2018	0.82m

BANGLADESH			
COXS BAZAR	0638Z	05Sep2018	3.08m
CHALNA	0642Z	05Sep2018	1.91m
KUTUBDIA ISLAND	0650Z	05Sep2018	3.74m
BARGUNA	0650Z	05Sep2018	3.74m

COMOROS			
DZAOUDZI	1114Z	05Sep2018	0.96m
BAMBAO	1116Z	05Sep2018	1.30m
CHEZANI	1120Z	05Sep2018	2.53m
FOMBONI	1122Z	05Sep2018	1.44m

DJIBOUTI			
NW ARTA	1240Z	05Sep2018	1.64m
MUHAMMAD ALI BIN FATHA SUMANA	1240Z	05Sep2018	1.39m

FRANCE			
LLE SAINT-PAUL-NORTH	0920Z	05Sep2018	3.48m
LLE SAINT-PAUL-SOUTH	0932Z	05Sep2018	3.38m
SAINT-DENIS	0952Z	05Sep2018	3.93m
SAINT - JOSEPH	0952Z	05Sep2018	4.74m
ILE KERGUELEN	1148Z	05Sep2018	9.96m
NES CROZET	1204Z	05Sep2018	4.28m
ILE DE LA POSSESSION	1204Z	05Sep2018	4.72m
CROZET PLATEAU	1214Z	05Sep2018	6.31m

INDIA		
INDIRA POINT	0316Z	05Sep2018 12.88m
KOMATRA & KATCHAL ISLAND	0326Z	05Sep2018 7.03m
CAR NICOBAR	0336Z	05Sep2018 4.76m
LITTLE ANDAMAN	0358Z	05Sep2018 3.24m
NORTH SENTINEL ISLAND	0406Z	05Sep2018 5.12m
PORT BLAIR	0422Z	05Sep2018 5.38m
HAVELOCK	0432Z	05Sep2018 6.62m
FLAT ISLAND	0432Z	05Sep2018 4.04m
WEST & LANDFALL ISLAND	0432Z	05Sep2018 3.03m
BARREN ISLAND	0434Z	05Sep2018 1.78m
RANGATH BAY	0440Z	05Sep2018 2.61m
NARCONDAM ISLAND	0450Z	05Sep2018 1.92m
DIGLIPUR	0452Z	05Sep2018 3.12m
MARAKKANAM	0520Z	05Sep2018 7.13m
CHENNAI	0522Z	05Sep2018 5.99m
CUDDALORE	0522Z	05Sep2018 4.93m
PUDUCHERRY	0522Z	05Sep2018 4.43m
MAHABALIPURAM	0522Z	05Sep2018 5.99m
MALLIPATTINAM	0526Z	05Sep2018 2.26m
POOMBUHAR	0526Z	05Sep2018 4.76m
KARAIKAL	0528Z	05Sep2018 3.37m
SRIHARIKOTA	0528Z	05Sep2018 4.35m
NAGAPATTINAM	0528Z	05Sep2018 3.56m
ENNORE	0530Z	05Sep2018 8.31m
MUTHUPET	0532Z	05Sep2018 2.00m
KAKINADA	0536Z	05Sep2018 3.02m
MACHILIPATNAM	0536Z	05Sep2018 4.09m
PERUPALEM	0540Z	05Sep2018 3.58m
NIJAMPATTANAM	0542Z	05Sep2018 3.10m
KOTTAPATNAM	0544Z	05Sep2018 3.92m
TUTICORIN	0544Z	05Sep2018 2.76m
VISAKHAPATNAM	0546Z	05Sep2018 3.71m
KONADA	0550Z	05Sep2018 2.99m
KALINGAPATNAM	0550Z	05Sep2018 4.54m
KOODANKULAM	0552Z	05Sep2018 3.92m
PARADIP	0554Z	05Sep2018 5.35m
RAMESWARAM	0554Z	05Sep2018 2.33m
PURI	0556Z	05Sep2018 4.45m
KOTTTAIPPATTANAM	0558Z	05Sep2018 1.59m
GOPALPUR	0602Z	05Sep2018 4.41m
KANYAKUMARI	0604Z	05Sep2018 3.92m
JAMBOO	0612Z	05Sep2018 4.11m
TRIVANDRUM	0618Z	05Sep2018 2.55m
QUILON	0620Z	05Sep2018 2.31m
MINICOY	0628Z	05Sep2018 1.68m
ALLEPPEY ALAPPUZHA	0634Z	05Sep2018 3.00m
ANDROTH	0640Z	05Sep2018 1.29m
HEMNAGAR	0642Z	05Sep2018 1.56m
DHAMRA	0646Z	05Sep2018 3.80m
NAMKHANA	0648Z	05Sep2018 2.05m
KAVARATTI	0652Z	05Sep2018 1.31m
DIGHA	0656Z	05Sep2018 2.59m
AMINI	0700Z	05Sep2018 1.18m
VADANAPPALLY	0700Z	05Sep2018 2.24m
COCHIN	0700Z	05Sep2018 2.44m
AGATTI	0702Z	05Sep2018 1.31m
CHANDIPUR	0702Z	05Sep2018 3.05m
VAKKAD	0710Z	05Sep2018 1.79m
BEYPORE	0724Z	05Sep2018 2.08m
KANNUR	0732Z	05Sep2018 2.80m
MAHE	0734Z	05Sep2018 2.26m
KASARAGOD	0738Z	05Sep2018 2.50m
MANGALORE	0800Z	05Sep2018 1.80m
UDUPI	0816Z	05Sep2018 1.91m
KARWAR	0848Z	05Sep2018 2.14m
MALVAN BAY	0854Z	05Sep2018 1.77m
VASCO	0900Z	05Sep2018 1.65m
PANAJI	0902Z	05Sep2018 1.65m
JAIGARH	0920Z	05Sep2018 1.36m
PORBANDAR	1222Z	05Sep2018 1.37m
DWARKA	1224Z	05Sep2018 1.77m
JAMNAGAR	1240Z	05Sep2018 1.36m
MANGROL	1244Z	05Sep2018 1.47m
HAZIRA, DIU	1254Z	05Sep2018 2.87m
TARAPUR	1354Z	05Sep2018 1.27m

IOC Technical Series, 138 (I) Supplement 2
page 76

MANDVI	1358Z	05Sep2018	1.72m
MAHUV	1506Z	05Sep2018	1.07m
KHAMBAT	1526Z	05Sep2018	0.86m
BHARUCH	1536Z	05Sep2018	0.93m
ALIBAG PORT	1544Z	05Sep2018	1.49m
MUMBAI	1544Z	05Sep2018	1.49m
PIPAVAV	1712Z	05Sep2018	0.90m
DAMAN	1918Z	05Sep2018	0.94m
BORSI	1918Z	05Sep2018	0.94m
HAZIRA	1920Z	05Sep2018	0.95m
INDONESIA			
SUMUT NIAS B	0300Z	05Sep2018	27.56m
NAD SIMEULUE P.SIMEULUE	0300Z	05Sep2018	28.15m
SUMUT NIAS-SELATAN P.TANAHMASA	0300Z	05Sep2018	19.88m
GUNUNGSITOLI	0300Z	05Sep2018	10.99m
SUMUT NIAS-SELATAN P.NIAS	0300Z	05Sep2018	27.88m
SUMUT NIAS-SELATAN P.TANABALA	0300Z	05Sep2018	18.83m
NAD ACEH-SINGKIL KEP.BANYAK	0306Z	05Sep2018	19.61m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0312Z	05Sep2018	10.63m
NIAS	0314Z	05Sep2018	11.95m
NIAS-NORTH	0316Z	05Sep2018	10.97m
SOUTH OF BODAHAYIONE	0316Z	05Sep2018	10.16m
NAD ACEH-JAYA	0322Z	05Sep2018	49.69m
NAD ACEH-BESAR B	0322Z	05Sep2018	44.99m
NIAS-EAST	0324Z	05Sep2018	8.07m
NAD ACEH-BESAR P.PENASI	0324Z	05Sep2018	46.49m
NAD ACEH-BESAR P.BREUEH	0324Z	05Sep2018	47.77m
NAD KOTA-BANDA-ACEH	0326Z	05Sep2018	26.01m
NAD KOTA-SABANG P.WEH	0326Z	05Sep2018	26.05m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0326Z	05Sep2018	4.77m
NAD ACEH-SELATAN S	0328Z	05Sep2018	14.94m
MUARASIBERUT	0328Z	05Sep2018	4.36m
SUMUT MANDAILING-NATAL U	0328Z	05Sep2018	11.62m
NAD ACEH-SINGKIL	0330Z	05Sep2018	8.73m
NAD NAGAN-RAYA	0332Z	05Sep2018	22.56m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0332Z	05Sep2018	5.87m
NAD ACEH-BARAT	0332Z	05Sep2018	50.27m
NAD ACEH-SELATAN U	0334Z	05Sep2018	14.37m
NAD ACEH-BARAT-DAYA	0338Z	05Sep2018	24.30m
NAD ACEH-BESAR U	0342Z	05Sep2018	15.41m
SUMUT TAPANULI-TENGAH U	0344Z	05Sep2018	17.35m
NAD PIDIE	0346Z	05Sep2018	7.48m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0346Z	05Sep2018	12.91m
SAKUBO	0350Z	05Sep2018	2.24m
SUMUT TAPANULI-SELATAN	0352Z	05Sep2018	15.34m
SUMBAR KOTA-PADANG U	0356Z	05Sep2018	6.91m
SUMUT TAPANULI-TENGAH S	0356Z	05Sep2018	11.86m
NAD BIREUEN	0358Z	05Sep2018	7.43m
MUARASIGEP	0400Z	05Sep2018	2.32m
SUMBAR PESISIR-SELATAN U	0400Z	05Sep2018	2.40m
SUMBAR PADANG-PARIAMAN U	0400Z	05Sep2018	2.19m
SUMBAR AGAM	0400Z	05Sep2018	3.89m
SUMBAR KOTA-PARIAMAN	0400Z	05Sep2018	2.26m
SUMBAR KOTA-PADANG S	0402Z	05Sep2018	2.29m
SUMUT MANDAILING-NATAL S	0402Z	05Sep2018	6.93m
SUMBAR KOTA-PADANG U	0402Z	05Sep2018	2.65m
SUMBAR PADANG-PARIAMAN S	0402Z	05Sep2018	2.16m
BENGKULU BENGKULU-UTARA P.ENGGANO	0404Z	05Sep2018	2.29m
NAD ACEH-UTARA B	0406Z	05Sep2018	7.43m
NAD KOTA-LHOKSEUMAWA	0408Z	05Sep2018	5.44m
MURASAIBI	0410Z	05Sep2018	2.14m
BENGKULU BENGKULU-UTARA U	0412Z	05Sep2018	1.85m
SUMBAR PESISIR-SELATAN S	0412Z	05Sep2018	2.31m
BENGKULU MUKOMUKO	0414Z	05Sep2018	2.05m
NAD ACEH-UTARA T	0416Z	05Sep2018	5.03m
BENGKULU BENGKULU-SELATAN	0422Z	05Sep2018	2.11m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0422Z	05Sep2018	2.62m
BENGKULU SELUMA	0422Z	05Sep2018	2.28m
BENGKULU BENGKULU-UTARA S	0424Z	05Sep2018	3.03m
BENGKULU KAUR	0424Z	05Sep2018	1.94m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0432Z	05Sep2018	2.32m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0434Z	05Sep2018	2.22m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0434Z	05Sep2018	2.24m
LAMPUNG TANGGAMUS B	0438Z	05Sep2018	2.09m
NAD ACEH-TIMUR	0440Z	05Sep2018	3.27m
BANTEN PANDEGLANG P.PANAITAN	0442Z	05Sep2018	1.43m

BANTEN PANDEGLANG S	0444Z	05Sep2018	1.34m
BANTEN LEBAK	0452Z	05Sep2018	2.08m
JABAR SUKABUMI UJUNG-GENTENG	0454Z	05Sep2018	1.39m
JABAR SUKABUMI PELABUHAN-RATU	0454Z	05Sep2018	6.99m
LAMPUNG TANGGAMUS T	0454Z	05Sep2018	3.30m
BANTEN KOTA-CILEGON P.SANGIANG	0456Z	05Sep2018	2.12m
BANTEN SERANG B	0456Z	05Sep2018	2.12m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0456Z	05Sep2018	2.00m
LAMPUNG TANGGAMUS P.TABUAN	0456Z	05Sep2018	1.27m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0456Z	05Sep2018	2.12m
JABAR CIANJUR SINDANGBARANG	0500Z	05Sep2018	1.74m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0502Z	05Sep2018	4.23m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0506Z	05Sep2018	2.00m
LAMPUNG LAMPUNG-SELATAN B	0506Z	05Sep2018	2.00m
JABAR GARUT	0508Z	05Sep2018	1.87m
JABAR TASIKMALAYA	0512Z	05Sep2018	1.96m
BANTEN PANDEGLANG U	0514Z	05Sep2018	2.90m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0526Z	05Sep2018	2.64m
JABAR CIAMIS	0528Z	05Sep2018	2.22m
JATENG PURWOREJO	0538Z	05Sep2018	2.36m
JATENG KEBUMEN	0538Z	05Sep2018	1.91m
NAD KOTA-LANGSA	0538Z	05Sep2018	1.31m
JATENG CILACAP	0542Z	05Sep2018	2.72m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0542Z	05Sep2018	3.36m
DIY KULON-PROGO	0544Z	05Sep2018	1.80m
DIY BANTUL	0544Z	05Sep2018	2.18m
DIY GUNUNG-KIDUL	0546Z	05Sep2018	2.23m
JATENG WONOGIRI	0552Z	05Sep2018	1.22m
JATIM PACITAN	0554Z	05Sep2018	1.99m
JATIM TRENGGALEK	0556Z	05Sep2018	1.99m
NAD ACEH-TAMANG	0602Z	05Sep2018	1.35m
JATIM BLITAR	0606Z	05Sep2018	1.21m
JATIM MALANG	0606Z	05Sep2018	1.11m
JATIM TULUNGAGUNG	0612Z	05Sep2018	1.10m
JATIM JEMBER P.NUSABARUNG	0616Z	05Sep2018	0.87m
JATIM BANYUWANGI S	0618Z	05Sep2018	1.10m
JATIM JEMBER	0620Z	05Sep2018	1.13m
JATIM LUMAJANG	0624Z	05Sep2018	1.54m
BALI BADUNG PANTAI-KUTA	0630Z	05Sep2018	1.03m
BALI DENPASAR PANTAI-SANUR	0632Z	05Sep2018	0.75m
BALI TABANAN	0632Z	05Sep2018	1.42m
BALI KLUNGKUNG P.NUSAPENIDA	0634Z	05Sep2018	0.76m
NTB LOMBOK-TENGAH	0638Z	05Sep2018	0.93m
NTB LOMBOK-TIMUR S	0642Z	05Sep2018	1.07m
NTB SUMBAWA B	0644Z	05Sep2018	0.77m
SUMUT LANGKAT	0644Z	05Sep2018	1.42m
NTT SUMBA B	0706Z	05Sep2018	1.46m
NTB KOTA-BIMA S	0706Z	05Sep2018	1.03m
NTB SUMBAWA S	0706Z	05Sep2018	1.09m
NTB DOMPU S	0708Z	05Sep2018	0.75m
NTT SUMBA T	0712Z	05Sep2018	0.90m
BELAWAN	0712Z	05Sep2018	1.59m
NTT MANGGARAI-BARAT P.	0722Z	05Sep2018	1.11m
NTT MANGGARAI-BARAT S	0736Z	05Sep2018	1.40m
SUMUT DELISERDANG	0740Z	05Sep2018	1.47m
SUMUT ASAHAN	0742Z	05Sep2018	1.10m
SUMUT SERDANG-BEDAGAI	0746Z	05Sep2018	1.53m
NTT MANGGARAI S	0752Z	05Sep2018	0.94m
NTT NGADA S	0754Z	05Sep2018	0.76m
NTT KUPANG	0756Z	05Sep2018	0.76m
NTT ENDE S	0806Z	05Sep2018	0.61m
NTT SIKKA S	0812Z	05Sep2018	0.79m
NTT LEMBATA S	0814Z	05Sep2018	0.91m
NTT ROTENDAO	0816Z	05Sep2018	0.67m
NTT FLORES-TIMUR S	0816Z	05Sep2018	0.78m
NTT FLORES-TIMUR P.SOLOR	0816Z	05Sep2018	0.81m
NTT ALOR S	0816Z	05Sep2018	0.91m
NTT BELU U	0822Z	05Sep2018	1.07m
PANTE MACASSAR	0822Z	05Sep2018	0.90m
NTT KOTA-KUPANG	0826Z	05Sep2018	0.63m
LABUHAN BATU	1022Z	05Sep2018	0.70m
ROKAN HILIR	1102Z	05Sep2018	0.72m
DUMAI	0252Z	06Sep2018	0.64m
IRAN			
PUSHT 1042Z	05Sep2018		1.45m
BIR 1100Z	05Sep2018		1.00m

IOC Technical Series, 138 (I) Supplement 2
page 78

MISKI 1214Z 05Sep2018 1.31m

KENYA

KIWAYU	1108Z	05Sep2018	2.97m
KIPINI	1132Z	05Sep2018	2.22m
MVULENI	1132Z	05Sep2018	2.12m
MALINDI	1134Z	05Sep2018	3.17m
TAKAUNGU	1136Z	05Sep2018	2.99m
KISIMACHANDE	1140Z	05Sep2018	2.45m

MADAGASCAR

VOHEMAR	1024Z	05Sep2018	2.95m
ANOROTSANGANA	1026Z	05Sep2018	2.56m
TOAMASINA AIRPORT	1038Z	05Sep2018	4.32m
TAMPOLO	1044Z	05Sep2018	4.56m
GLORIOSO ISLANDS	1048Z	05Sep2018	0.95m
AMBAHY	1052Z	05Sep2018	10.43m
FARAFAGANA	1102Z	05Sep2018	8.79m
MANANTENINA	1104Z	05Sep2018	7.59m
AMBANJA	1124Z	05Sep2018	1.11m
BALY	1138Z	05Sep2018	2.07m
TAMOTAMO	1144Z	05Sep2018	1.14m
SAMPONA	1146Z	05Sep2018	5.56m
ANDROKA	1200Z	05Sep2018	2.95m
EUROPA ISLAND	1244Z	05Sep2018	1.03m
MANJA	1318Z	05Sep2018	1.19m

MALAYSIA

SATUN	0638Z	05Sep2018	1.49m
YAN	0644Z	05Sep2018	1.15m
WEST OF ALOR SETAR	0702Z	05Sep2018	1.97m
KUALA MUDA	0702Z	05Sep2018	1.97m
SEBERANG PERAI SELATAN	0708Z	05Sep2018	1.57m
SEBERANG PERAI UTARA & BARAT DAYA	0720Z	05Sep2018	1.81m
KERIAN	0734Z	05Sep2018	1.50m
LARUT AND MATANG	0742Z	05Sep2018	1.55m
MANJUNG	0748Z	05Sep2018	1.54m
HILIR PERAK	0818Z	05Sep2018	1.02m
SABAK BERNAM	0906Z	05Sep2018	1.02m
KUALA SELANGOR	0958Z	05Sep2018	1.25m
KUALA LANGAT	0200Z	06Sep2018	0.78m
SEPANG	0250Z	06Sep2018	0.67m

MALDIVES

THINADHOO	0604Z	05Sep2018	8.28m
KOLHUFUSHI	0604Z	05Sep2018	6.58m
DHIYAMIGILI	0606Z	05Sep2018	10.26m
MALE	0606Z	05Sep2018	7.08m
KULHUDUFFUSHI	0608Z	05Sep2018	4.39m
HITHADHOO	0610Z	05Sep2018	7.96m
GOIDHOO	0622Z	05Sep2018	4.75m
NILANDHOO	0626Z	05Sep2018	12.08m
FERIDHOO	0634Z	05Sep2018	4.79m

MAURITIUS

LA FERME	0838Z	05Sep2018	9.73m
CARGADOS CARAJOS	0910Z	05Sep2018	13.58m
AGALEGA ISLAND	0920Z	05Sep2018	3.36m
GRANDE REVIERE SUD EST-EAST	0924Z	05Sep2018	5.87m
GRANDE REVIERE SUD EST-WEST	0940Z	05Sep2018	4.21m

MOZAMBIQUE

MAGANJA	1142Z	05Sep2018	3.01m
MERONVI	1150Z	05Sep2018	2.50m
QUITERAJO	1154Z	05Sep2018	1.44m
TAVARI	1158Z	05Sep2018	1.46m
PEMBA	1158Z	05Sep2018	2.06m
MURREBUE	1200Z	05Sep2018	1.90m
MECUFI	1202Z	05Sep2018	1.73m
LURIO	1204Z	05Sep2018	1.88m
NANGATA	1206Z	05Sep2018	1.52m
LUMBO	1208Z	05Sep2018	1.12m
MINHAUINE	1208Z	05Sep2018	1.72m
MOGINCUAL	1218Z	05Sep2018	1.05m
NAMORRE	1242Z	05Sep2018	0.96m
INHARRIME	1316Z	05Sep2018	2.74m
POMENE	1326Z	05Sep2018	1.65m

VILANKULO	1328Z	05Sep2018	1.67m
MAGUEMBA	1330Z	05Sep2018	1.98m
INHASSORO	1342Z	05Sep2018	1.35m
MOEBASE	1344Z	05Sep2018	1.13m
ZAVALA	1344Z	05Sep2018	1.91m
OCONE	1348Z	05Sep2018	1.17m
MAPUTO	1348Z	05Sep2018	2.80m
VILA DO CHINDE	1348Z	05Sep2018	1.17m
XAI-XAI	1350Z	05Sep2018	4.22m
AMADE	1352Z	05Sep2018	1.11m
MALUANA	1354Z	05Sep2018	2.63m
NHANGAU	1404Z	05Sep2018	0.95m
MAIONGUE	1420Z	05Sep2018	1.82m
NOVA LUSITANIA	1422Z	05Sep2018	1.88m

MYANMAR

LITTLE COCO ISLAND	0454Z	05Sep2018	2.13m
THAN KYUN	0502Z	05Sep2018	2.98m
GREAT WESTERN TORRES ISLAND	0504Z	05Sep2018	2.38m
PREPARIS ISLAND	0508Z	05Sep2018	2.33m
LORD LOUGHBOROUGH ISLAND	0510Z	05Sep2018	2.38m
KYWEGYAUNG	0540Z	05Sep2018	2.20m
CHEDUBA ISLAND	0540Z	05Sep2018	2.56m
MAWYEN	0548Z	05Sep2018	3.62m
SITTWE	0610Z	05Sep2018	3.73m
THAWINCHAUNG	0612Z	05Sep2018	2.57m
KYAUKPYU	0616Z	05Sep2018	2.28m
MALI KYUN	0620Z	05Sep2018	1.60m
PHARPON	0636Z	05Sep2018	2.28m
MAGYIGYAING	0646Z	05Sep2018	2.90m
YE	0652Z	05Sep2018	1.75m
YANGON-S	0658Z	05Sep2018	1.10m

OMAN

HASIK	0952Z	05Sep2018	2.91m
AD DUQM	0956Z	05Sep2018	1.84m
AL JAZER	1000Z	05Sep2018	1.17m
MIRBAT	1000Z	05Sep2018	2.91m
RAS AR RUWAYS	1002Z	05Sep2018	2.19m
MASIRAH	1004Z	05Sep2018	1.15m
SALALAH	1008Z	05Sep2018	3.07m
TAQAH	1010Z	05Sep2018	3.92m
AL ASHKHARAH	1012Z	05Sep2018	0.87m
SUR	1018Z	05Sep2018	0.84m
MUSCAT	1040Z	05Sep2018	0.95m
SOHAR	1134Z	05Sep2018	0.54m
EAST MUSANDAM	1158Z	05Sep2018	1.25m

PAKISTAN

ORMARA	1032Z	05Sep2018	1.09m
WINDER	1050Z	05Sep2018	1.84m
KARACHI	1110Z	05Sep2018	2.66m
SINDH	1408Z	05Sep2018	1.70m

SEYCHELLES

FREGATE ISLAND	0906Z	05Sep2018	3.92m
COETIVY ISLAND	0910Z	05Sep2018	3.41m
TAKAMAKA	0924Z	05Sep2018	5.73m
ILE DESROCHES	0936Z	05Sep2018	3.21m
ALPHONSE ISLAND	0948Z	05Sep2018	1.80m
FARQUHAR GROUP	1006Z	05Sep2018	2.05m
ASTOVE ISLAND	1036Z	05Sep2018	1.84m
ALDABRA	1048Z	05Sep2018	2.38m

SOMALIA

BANDER-BEYLA	1000Z	05Sep2018	5.63m
EYL	1006Z	05Sep2018	4.24m
TOOXIN	1006Z	05Sep2018	4.76m
JARIIBAN	1012Z	05Sep2018	4.46m
GALDOGOB	1012Z	05Sep2018	5.65m
XARARDHEERE	1016Z	05Sep2018	5.36m
CEEL DHEER	1018Z	05Sep2018	4.55m
MAREEG	1020Z	05Sep2018	4.70m
ABO	1020Z	05Sep2018	1.81m
ITALA	1020Z	05Sep2018	4.14m
UARSCIECH	1028Z	05Sep2018	4.52m
MUQDISHO	1032Z	05Sep2018	5.76m

IOC Technical Series, 138 (I) Supplement 2
page 80

BEYNAX BARRE	1042Z	05Sep2018	3.86m
BARAAWE	1044Z	05Sep2018	3.92m
TURDHO	1052Z	05Sep2018	3.45m
JILIB	1052Z	05Sep2018	2.47m
NE BEERNAASI	1058Z	05Sep2018	3.78m
KAAMBOONI	1106Z	05Sep2018	3.82m
QANDALA	1108Z	05Sep2018	0.58m
BOSASO	1124Z	05Sep2018	0.51m
SAYLAC	1238Z	05Sep2018	0.64m
LOYADO	1244Z	05Sep2018	0.70m
HADAAFTIMO	1424Z	05Sep2018	0.59m

SOUTH AFRICA

LAKE SIBAYI	1332Z	05Sep2018	3.12m
GWABALANDA HITAWI	1334Z	05Sep2018	2.75m
PORT DURNFORD	1334Z	05Sep2018	3.91m
KOSIMEER	1338Z	05Sep2018	2.79m
FUNK SEAMOUNT	1342Z	05Sep2018	6.82m
MANDI	1346Z	05Sep2018	3.72m
MARGATE	1346Z	05Sep2018	6.37m
BIZANA	1348Z	05Sep2018	4.11m
KELSO	1348Z	05Sep2018	4.66m
LUSIKISIKI	1350Z	05Sep2018	3.94m
PORT ST JOHNS	1350Z	05Sep2018	3.94m
ELLIOTDALE	1350Z	05Sep2018	3.94m
BATHURST	1350Z	05Sep2018	3.94m
PORT ELIZABETH	1350Z	05Sep2018	3.94m
HANKEY	1350Z	05Sep2018	3.94m
ABORETUM	1350Z	05Sep2018	3.30m
GEORGE	1350Z	05Sep2018	3.94m
BREDASDORP	1350Z	05Sep2018	3.94m
WILLOWVALE	1350Z	05Sep2018	3.94m
KENTANI	1350Z	05Sep2018	3.94m
MARSHSTRAND	1350Z	05Sep2018	3.94m
PEDDIE	1350Z	05Sep2018	3.94m
ALEXANDRIA	1350Z	05Sep2018	3.94m
HUMANSDORP	1350Z	05Sep2018	3.94m
MOSSEL	1350Z	05Sep2018	3.94m
HEIDELBERG	1350Z	05Sep2018	3.94m
NGQUELENI	1350Z	05Sep2018	3.94m
WITAAND	1350Z	05Sep2018	3.94m
GAMTOOS	1350Z	05Sep2018	3.94m
ZIKHOVA	1350Z	05Sep2018	3.94m
KAYSER'S BEACH	1350Z	05Sep2018	3.94m

SRI LANKA

OKANDA	0444Z	05Sep2018	9.34m
KIRINDA	0444Z	05Sep2018	8.09m
POTTUVIL	0444Z	05Sep2018	9.62m
AKKARAI PATTU	0444Z	05Sep2018	9.33m
BATTICALOA	0446Z	05Sep2018	9.51m
KATTANKUDI	0450Z	05Sep2018	8.33m
HAMBANTOTA	0450Z	05Sep2018	9.08m
ANAITIVU	0454Z	05Sep2018	9.23m
PANKULAM	0454Z	05Sep2018	7.14m
TANGALLE	0454Z	05Sep2018	6.76m
MATARA	0456Z	05Sep2018	6.46m
GALLE	0500Z	05Sep2018	6.46m
MULLAITTIVU	0500Z	05Sep2018	5.82m
CHUNDIKKULAM	0506Z	05Sep2018	5.96m
AMBALANGODA	0506Z	05Sep2018	4.16m
BERUWALA	0514Z	05Sep2018	3.79m
CHAVAKACHCHERI	0516Z	05Sep2018	3.24m
COLOMBO	0520Z	05Sep2018	3.13m
MORATUWA	0522Z	05Sep2018	5.72m
POINT PEDRO	0522Z	05Sep2018	3.23m
NEGOMBO	0530Z	05Sep2018	3.47m
MUNDAL LAKE	0534Z	05Sep2018	2.75m
MANNAR ISLAND	0544Z	05Sep2018	1.74m
MUSALI	0556Z	05Sep2018	1.40m

TANZANIA

VUMBA	1128Z	05Sep2018	2.26m
VUMBI	1132Z	05Sep2018	2.33m
ZANZIBAR	1136Z	05Sep2018	2.53m
GAZIJA	1138Z	05Sep2018	2.10m
JIMBO	1140Z	05Sep2018	2.34m

KUTANI	1142Z	05Sep2018	3.65m
MADANGWA	1142Z	05Sep2018	1.92m
SONGO SONGO ISLAND	1144Z	05Sep2018	1.73m
RUUVU	1144Z	05Sep2018	2.38m
BOMALANDNI	1150Z	05Sep2018	1.56m
WEST TO KONDE	1150Z	05Sep2018	2.03m
MSASANI	1150Z	05Sep2018	2.07m
BAGAMOYO	1152Z	05Sep2018	1.93m

THAILAND			
THAI MUEANG	0434Z	05Sep2018	6.19m
KO RACHA NOI	0444Z	05Sep2018	4.24m
KOH SURIN TAI	0504Z	05Sep2018	3.85m
KOH LANTA YAI	0518Z	05Sep2018	3.07m
KOH ROK	0528Z	05Sep2018	2.23m
THAI MUEANG TAKUA PA	0530Z	05Sep2018	4.35m
KOH TARUTAO	0538Z	05Sep2018	2.40m
MUEANG SATUN	0538Z	05Sep2018	2.40m

TIMOR-LESTE			
BOBONARO	0826Z	05Sep2018	0.87m
PANTE MACASSAR	0826Z	05Sep2018	0.83m
LIQUICA	0834Z	05Sep2018	0.69m

UNITED ARAB EMIRATES			
KALBA	1136Z	05Sep2018	1.19m

UNITED KINGDOM			
MORESBY ISLAND	0628Z	05Sep2018	11.63m
DIEGO GARCIA	0630Z	05Sep2018	12.10m
NW EGMONT ISLAND	0650Z	05Sep2018	7.10m

YEMEN			
SOCOTRA ISLAND SOUTH	0942Z	05Sep2018	5.07m
SOCOTRA ISLAND NORTH	0958Z	05Sep2018	3.17m
SOCOTRA ISLAND WEST	1012Z	05Sep2018	1.45m
DAMQAWT	1012Z	05Sep2018	3.63m
AL GHAYDAH AIRPORT	1028Z	05Sep2018	2.74m
HUSWAYN	1034Z	05Sep2018	1.84m
ALQUMRAH	1042Z	05Sep2018	1.53m
HAMI	1106Z	05Sep2018	0.91m
AL MUKALLA	1108Z	05Sep2018	0.90m
MASILAH WADI	1108Z	05Sep2018	1.39m
BROM MAYFA	1110Z	05Sep2018	0.76m
HARRAH	1110Z	05Sep2018	1.27m
EAST TO HAMI	1112Z	05Sep2018	0.92m
RUDUM	1120Z	05Sep2018	0.70m
AHWAR	1134Z	05Sep2018	0.64m
KHANFAR	1158Z	05Sep2018	1.40m
MA'ALLAH	1244Z	05Sep2018	0.78m
QAWAH	1246Z	05Sep2018	0.76m
AL MUALLA	1306Z	05Sep2018	0.69m
ADEN	1550Z	05Sep2018	1.06m

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 11

IDY68501

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

```
-----  
TSUNAMI BULLETIN NUMBER 11 (TYPE-III CONFIRMED THREAT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 1032 UTC Wednesday 05 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: 9.3 Mwp
Depth: 10km
Date: 05 Sep 2018
Origin Time: 0300 UTC
Latitude: 3.30N
Longitude: 96.00E
Location: Northern Sumatra, Indonesia

2. EVALUATION

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

Sabang	INDONESIA	5.80N	95.33E	8.00m	05 Sep 03:25 UTC
Meulaboh	INDONESIA	4.17N	96.00E	8.00m	05 Sep 03:40 UTC
Telukdalam	INDONESIA	0.50N	97.83E	6.00m	05 Sep 03:45 UTC
Deep Ocean Buoy 23227	BAY OF BENGAL	6.26N	88.79E	0.46m	05 Sep 04:19 UTC
Seblat	INDONESIA	3.17S	101.50E	1.80m	05 Sep 04:20 UTC
Deep Ocean Buoy 23401	NICOBAR ISLAND	8.90N	88.50E	0.33m	05 Sep 04:24 UTC
Deep Ocean Buoy 23219	BAY OF BENGAL	10.58N	89.28E	0.33m	05 Sep 04:24 UTC
Sibolga	INDONESIA	1.67N	98.67E	4.00m	05 Sep 04:40 UTC
Cocos Island	AUSTRALIA	12.10S	96.89E	2.20m	05 Sep 04:45 UTC
Ko Taphao Noi	THAILAND	7.80N	98.42E	2.50m	05 Sep 04:50 UTC
Christmas Island	AUSTRALIA	10.40S	105.67E	0.75m	05 Sep 05:00 UTC
Port Blair	INDIA	11.70N	92.76E	1.20m	05 Sep 05:00 UTC
Nancowry	INDIA	8.10N	93.55E	5.40m	05 Sep 05:15 UTC
Padang	INDONESIA	1.00S	100.37E	2.00m	05 Sep 05:35 UTC
Trincomalee	SRI LANKA	8.67N	81.33E	1.40m	05 Sep 05:35 UTC
Pangandaran	INDONESIA	7.83S	108.50E	0.60m	05 Sep 06:35 UTC
Langkawi	MALAYSIA	6.50N	99.83E	2.50m	05 Sep 06:05 UTC
Cilacap	INDONESIA	7.80S	109.00E	0.50m	05 Sep 06:40 UTC
Sadeng	INDONESIA	8.33S	110.83E	0.50m	05 Sep 06:40 UTC
Gan	MALDIVES	0.70S	73.15E	2.00m	05 Sep 06:45 UTC
Male	MALDIVES	4.20N	73.53E	1.50m	05 Sep 06:55 UTC
Diego Garcia	UK	7.20S	72.43E	1.60m	05 Sep 06:55 UTC
Deep Ocean Buoy 56003	INDIAN OCEAN	15.02S	117.94E	0.09m	05 Sep 07:00 UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	4.10m	05 Sep 07:05 UTC
Point Murat	AUSTRALIA	21.80S	114.19E	3.20m	05 Sep 07:35 UTC
Cape Cuvier Wharf	AUSTRALIA	24.20S	113.40E	3.00m	05 Sep 08:05 UTC
Deep Ocean Buoy 56001	INDIAN OCEAN	13.99S	110.10E	0.14m	05 Sep 08:40 UTC
Kirinda	SRI LANKA	6.20N	81.32E	3.50m	05 Sep 09:10 UTC
Port Hedland	AUSTRALIA	20.00S	118.42E	2.00m	05 Sep 09:10 UTC
Rodrigues	MAURITIUS	19.70S	63.42E	1.60m	05 Sep 09:10 UTC
Gwadar	PAKISTAN	25.00N	62.00E	8.00m	05 Sep 09:35 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	3.40m	05 Sep 09:55 UTC
Chennai	INDIA	13.10N	80.30E	3.20m	05 Sep 10:00 UTC
Pointe des Galets	REUNION ISLAND	20.90S	55.28E	2.70m	05 Sep 10:10 UTC
Sainte Marie	REUNION	20.90S	55.54E	4.00m	05 Sep 10:10 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			
COCOS ISLAND	0438Z	05Sep2018	2.55m
CHRISTMAS ISLAND	0446Z	05Sep2018	1.02m
NINGALOO COAST	0700Z	05Sep2018	2.78m
PILBARA COAST WEST	0734Z	05Sep2018	3.92m
GASCOYNE COAST	0746Z	05Sep2018	2.60m
GERALDTON COAST	0752Z	05Sep2018	3.95m
ASHMORE REEF	0806Z	05Sep2018	0.59m
PILBARA COAST EAST	0812Z	05Sep2018	2.09m
LANCELIN COAST	0818Z	05Sep2018	2.22m
PERTH COAST	0824Z	05Sep2018	2.51m
BUNBURY GEOGRAPHE COAST	0842Z	05Sep2018	3.15m
LEEUEWIN COAST	0854Z	05Sep2018	2.47m
WEST KIMBERLY COAST	0900Z	05Sep2018	1.89m
ALBANY COAST	0914Z	05Sep2018	1.73m
NORTH KIMBERLY COAST	0956Z	05Sep2018	1.41m
ESPERENCE COAST	1228Z	05Sep2018	0.95m
HEARD ISLAND AND MCDONALD ISLANDS	1230Z	05Sep2018	10.77m
AURORA BANK	1240Z	05Sep2018	4.45m
WEST COAST VIC	1516Z	05Sep2018	1.36m
BEAGLE BONAPARTE COAST	1844Z	05Sep2018	0.81m
EUCLA COAST	1918Z	05Sep2018	1.14m
SOUTH WEST COAST TAS	1958Z	05Sep2018	1.61m
CENTRAL WEST COAST TAS	2006Z	05Sep2018	1.62m
FAR NORTH WEST COAST TAS	2034Z	05Sep2018	0.93m
SOUTH CENTRAL COAST SA	2050Z	05Sep2018	1.09m
LOWER SOUTH EAST COAST SA	2058Z	05Sep2018	1.31m
UPPER WEST COAST SA	2132Z	05Sep2018	1.05m
LOWER WEST COAST SA	2152Z	05Sep2018	0.77m
CENTRAL COAST SA	2208Z	05Sep2018	0.74m
NORTH TIWI COAST	2224Z	05Sep2018	0.82m
FAR WEST COAST SA	2230Z	05Sep2018	1.02m
UPPER SOUTH EAST COAST SA	2232Z	05Sep2018	1.22m
CENTRAL COAST VIC	2304Z	05Sep2018	0.82m

BANGLADESH			
COXS BAZAR	0638Z	05Sep2018	3.08m
CHALNA	0642Z	05Sep2018	1.91m
KUTUBDIA ISLAND	0650Z	05Sep2018	3.74m
BARGUNA	0650Z	05Sep2018	3.74m

COMOROS			
DZAOUDZI	1114Z	05Sep2018	0.96m
BAMBAO	1116Z	05Sep2018	1.30m
CHEZANI	1120Z	05Sep2018	2.53m
FOMBONI	1122Z	05Sep2018	1.44m

DJIBOUTI			
NW ARTA	1240Z	05Sep2018	1.64m
MUHAMMAD ALI BIN FATHA SUMANA	1240Z	05Sep2018	1.39m

FRANCE			
LLE SAINT-PAUL-NORTH	0920Z	05Sep2018	3.48m
LLE SAINT-PAUL-SOUTH	0932Z	05Sep2018	3.38m
SAINT-DENIS	0952Z	05Sep2018	3.93m

SAINT - JOSEPH	0952Z	05Sep2018	4.74m
ILE KERGUELEN	1148Z	05Sep2018	9.96m
NES CROZET	1204Z	05Sep2018	4.28m
ILE DE LA POSSESSION	1204Z	05Sep2018	4.72m
CROZET PLATEAU	1214Z	05Sep2018	6.31m
INDIA			
INDIRA POINT	0316Z	05Sep2018	12.88m
KOMATRA & KATCHAL ISLAND	0326Z	05Sep2018	7.03m
CAR NICOBAR	0336Z	05Sep2018	4.76m
LITTLE ANDAMAN	0358Z	05Sep2018	3.24m
NORTH SENTINEL ISLAND	0406Z	05Sep2018	5.12m
PORT BLAIR	0422Z	05Sep2018	5.38m
HAVELOCK	0432Z	05Sep2018	6.62m
FLAT ISLAND	0432Z	05Sep2018	4.04m
WEST & LANDFALL ISLAND	0432Z	05Sep2018	3.03m
BARREN ISLAND	0434Z	05Sep2018	1.78m
RANGATH BAY	0440Z	05Sep2018	2.61m
NARCONDAM ISLAND	0450Z	05Sep2018	1.92m
DIGLIPUR	0452Z	05Sep2018	3.12m
MARAKKANAM	0520Z	05Sep2018	7.13m
CHENNAI	0522Z	05Sep2018	5.99m
CUDDALORE	0522Z	05Sep2018	4.93m
PUDUCHERRY	0522Z	05Sep2018	4.43m
MAHABALIPURAM	0522Z	05Sep2018	5.99m
MALLIPATTINAM	0526Z	05Sep2018	2.26m
POOMBUHAR	0526Z	05Sep2018	4.76m
KARAIKAL	0528Z	05Sep2018	3.37m
SRIHARIKOTA	0528Z	05Sep2018	4.35m
NAGAPATTINAM	0528Z	05Sep2018	3.56m
ENNORE	0530Z	05Sep2018	8.31m
MUTHUPET	0532Z	05Sep2018	2.00m
KAKINADA	0536Z	05Sep2018	3.02m
MACHILIPATNAM	0536Z	05Sep2018	4.09m
PERUPALEM	0540Z	05Sep2018	3.58m
NIJAMPATTANAM	0542Z	05Sep2018	3.10m
KOTTAPATNAM	0544Z	05Sep2018	3.92m
TUTICORIN	0544Z	05Sep2018	2.76m
VISAKHAPATNAM	0546Z	05Sep2018	3.71m
KONADA	0550Z	05Sep2018	2.99m
KALINGAPATNAM	0550Z	05Sep2018	4.54m
KOODANKULAM	0552Z	05Sep2018	3.92m
PARADIP	0554Z	05Sep2018	5.35m
RAMESWARAM	0554Z	05Sep2018	2.33m
PURI	0556Z	05Sep2018	4.45m
KOTTTAIPPATTANAM	0558Z	05Sep2018	1.59m
GOPALPUR	0602Z	05Sep2018	4.41m
KANYAKUMARI	0604Z	05Sep2018	3.92m
JAMBOO	0612Z	05Sep2018	4.11m
TRIVANDRUM	0618Z	05Sep2018	2.55m
QUILON	0620Z	05Sep2018	2.31m
MINICOY	0628Z	05Sep2018	1.68m
ALLEPPEY ALAPPUZHA	0634Z	05Sep2018	3.00m
ANDROTH	0640Z	05Sep2018	1.29m
HEMNAGAR	0642Z	05Sep2018	1.56m
DHAMRA	0646Z	05Sep2018	3.80m
NAMKHANA	0648Z	05Sep2018	2.05m
KAVARATTI	0652Z	05Sep2018	1.31m
DIGHA	0656Z	05Sep2018	2.59m
AMINI	0700Z	05Sep2018	1.18m
VADANAPPALLY	0700Z	05Sep2018	2.24m
COCHIN	0700Z	05Sep2018	2.44m
AGATTI	0702Z	05Sep2018	1.31m
CHANDIPUR	0702Z	05Sep2018	3.05m
VAKKAD	0710Z	05Sep2018	1.79m
BEYPORE	0724Z	05Sep2018	2.08m
KANNUR	0732Z	05Sep2018	2.80m
MAHE	0734Z	05Sep2018	2.26m
KASARAGOD	0738Z	05Sep2018	2.50m
MANGALORE	0800Z	05Sep2018	1.80m
UDUPI	0816Z	05Sep2018	1.91m
KARWAR	0848Z	05Sep2018	2.14m
MALVAN BAY	0854Z	05Sep2018	1.77m
VASCO	0900Z	05Sep2018	1.65m
PANAJI	0902Z	05Sep2018	1.65m
JAIGARH	0920Z	05Sep2018	1.36m
PORBANDAR	1222Z	05Sep2018	1.37m

IOC Technical Series, 138 (I) Supplement 2
page 86

DWARKA	1224Z	05Sep2018	1.77m
JAMNAGAR	1240Z	05Sep2018	1.36m
MANGROL	1244Z	05Sep2018	1.47m
HAZIRA, DIU	1254Z	05Sep2018	2.87m
TARAPUR	1354Z	05Sep2018	1.27m
MANDVI	1358Z	05Sep2018	1.72m
MAHUVA	1506Z	05Sep2018	1.07m
KHAMBAT	1526Z	05Sep2018	0.86m
BHARUCH	1536Z	05Sep2018	0.93m
ALIBAG PORT	1544Z	05Sep2018	1.49m
MUMBAI	1544Z	05Sep2018	1.49m
PIPAVAV	1712Z	05Sep2018	0.90m
DAMAN	1918Z	05Sep2018	0.94m
BORSI	1918Z	05Sep2018	0.94m
HAZIRA	1920Z	05Sep2018	0.95m
INDONESIA			
SUMUT NIAS B	0300Z	05Sep2018	27.56m
NAD SIMEULUE P.SIMEULUE	0300Z	05Sep2018	28.15m
SUMUT NIAS-SELATAN P.TANAHMASA	0300Z	05Sep2018	19.88m
GUNUNGSITOLI	0300Z	05Sep2018	10.99m
SUMUT NIAS-SELATAN P.NIAS	0300Z	05Sep2018	27.88m
SUMUT NIAS-SELATAN P.TANABALA	0300Z	05Sep2018	18.83m
NAD ACEH-SINGKIL KEP.BANYAK	0306Z	05Sep2018	19.61m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0312Z	05Sep2018	10.63m
NIAS	0314Z	05Sep2018	11.95m
NIAS-NORTH	0316Z	05Sep2018	10.97m
SOUTH OF BODAHAYIONE	0316Z	05Sep2018	10.16m
NAD ACEH-JAYA	0322Z	05Sep2018	49.69m
NAD ACEH-BESAR B	0322Z	05Sep2018	44.99m
NIAS-EAST	0324Z	05Sep2018	8.07m
NAD ACEH-BESAR P.PENASI	0324Z	05Sep2018	46.49m
NAD ACEH-BESAR P.BREUEH	0324Z	05Sep2018	47.77m
NAD KOTA-BANDA-ACEH	0326Z	05Sep2018	26.01m
NAD KOTA-SABANG P.WEH	0326Z	05Sep2018	26.05m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0326Z	05Sep2018	4.77m
NAD ACEH-SELATAN S	0328Z	05Sep2018	14.94m
MUARASIBERUT	0328Z	05Sep2018	4.36m
SUMUT MANDAILING-NATAL U	0328Z	05Sep2018	11.62m
NAD ACEH-SINGKIL	0330Z	05Sep2018	8.73m
NAD NAGAN-RAYA	0332Z	05Sep2018	22.56m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0332Z	05Sep2018	5.87m
NAD ACEH-BARAT	0332Z	05Sep2018	50.27m
NAD ACEH-SELATAN U	0334Z	05Sep2018	14.37m
NAD ACEH-BARAT-DAYA	0338Z	05Sep2018	24.30m
NAD ACEH-BESAR U	0342Z	05Sep2018	15.41m
SUMUT TAPANULI-TENGAH U	0344Z	05Sep2018	17.35m
NAD PIDIE	0346Z	05Sep2018	7.48m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0346Z	05Sep2018	12.91m
SAKUBO	0350Z	05Sep2018	2.24m
SUMUT TAPANULI-SELATAN	0352Z	05Sep2018	15.34m
SUMBAR KOTA-PADANG U	0356Z	05Sep2018	6.91m
SUMUT TAPANULI-TENGAH S	0356Z	05Sep2018	11.86m
NAD BIREUEN	0358Z	05Sep2018	7.43m
MUARASIGEP	0400Z	05Sep2018	2.32m
SUMBAR PESISIR-SELATAN U	0400Z	05Sep2018	2.40m
SUMBAR PADANG-PARIAMAN U	0400Z	05Sep2018	2.19m
SUMBAR AGAM	0400Z	05Sep2018	3.89m
SUMBAR KOTA-PARIAMAN	0400Z	05Sep2018	2.26m
SUMBAR KOTA-PADANG S	0402Z	05Sep2018	2.29m
SUMUT MANDAILING-NATAL S	0402Z	05Sep2018	6.93m
SUMBAR KOTA-PADANG U	0402Z	05Sep2018	2.65m
SUMBAR PADANG-PARIAMAN S	0402Z	05Sep2018	2.16m
BENGKULU BENGKULU-UTARA P.ENGGANO	0404Z	05Sep2018	2.29m
NAD ACEH-UTARA B	0406Z	05Sep2018	7.43m
NAD KOTA-LHOKSEUMAWA	0408Z	05Sep2018	5.44m
MURASAIBI	0410Z	05Sep2018	2.14m
BENGKULU BENGKULU-UTARA U	0412Z	05Sep2018	1.85m
SUMBAR PESISIR-SELATAN S	0412Z	05Sep2018	2.31m
BENGKULU MUKOMUKO	0414Z	05Sep2018	2.05m
NAD ACEH-UTARA T	0416Z	05Sep2018	5.03m
BENGKULU BENGKULU-SELATAN	0422Z	05Sep2018	2.11m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0422Z	05Sep2018	2.62m
BENGKULU SELUMA	0422Z	05Sep2018	2.28m
BENGKULU BENGKULU-UTARA S	0424Z	05Sep2018	3.03m
BENGKULU KAUR	0424Z	05Sep2018	1.94m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0432Z	05Sep2018	2.32m

LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0434Z	05Sep2018	2.22m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0434Z	05Sep2018	2.24m
LAMPUNG TANGGAMUS B	0438Z	05Sep2018	2.09m
NAD ACEH-TIMUR	0440Z	05Sep2018	3.27m
BANTEN PANDEGLANG P.PANAITAN	0442Z	05Sep2018	1.43m
BANTEN PANDEGLANG S	0444Z	05Sep2018	1.34m
BANTEN LEBAK	0452Z	05Sep2018	2.08m
JABAR SUKABUMI UJUNG-GENTENG	0454Z	05Sep2018	1.39m
JABAR SUKABUMI PELABUHAN-RATU	0454Z	05Sep2018	6.99m
LAMPUNG TANGGAMUS T	0454Z	05Sep2018	3.30m
BANTEN KOTA-CILEGON P.SANGIANG	0456Z	05Sep2018	2.12m
BANTEN SERANG B	0456Z	05Sep2018	2.12m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0456Z	05Sep2018	2.00m
LAMPUNG TANGGAMUS P.TABUAN	0456Z	05Sep2018	1.27m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0456Z	05Sep2018	2.12m
JABAR CIANJUR SINDANGBARANG	0500Z	05Sep2018	1.74m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0502Z	05Sep2018	4.23m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0506Z	05Sep2018	2.00m
LAMPUNG LAMPUNG-SELATAN B	0506Z	05Sep2018	2.00m
JABAR GARUT	0508Z	05Sep2018	1.87m
JABAR TASIKMALAYA	0512Z	05Sep2018	1.96m
BANTEN PANDEGLANG U	0514Z	05Sep2018	2.90m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0526Z	05Sep2018	2.64m
JABAR CIAMIS	0528Z	05Sep2018	2.22m
JATENG PURWOREJO	0538Z	05Sep2018	2.36m
JATENG KEBUMEN	0538Z	05Sep2018	1.91m
NAD KOTA-LANGSA	0538Z	05Sep2018	1.31m
JATENG CILACAP	0542Z	05Sep2018	2.72m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0542Z	05Sep2018	3.36m
DIY KULON-PROGO	0544Z	05Sep2018	1.80m
DIY BANTUL	0544Z	05Sep2018	2.18m
DIY GUNUNG-KIDUL	0546Z	05Sep2018	2.23m
JATENG WONOGIRI	0552Z	05Sep2018	1.22m
JATIM PACITAN	0554Z	05Sep2018	1.99m
JATIM TRENGGALEK	0556Z	05Sep2018	1.99m
NAD ACEH-TAMIANG	0602Z	05Sep2018	1.35m
JATIM BLITAR	0606Z	05Sep2018	1.21m
JATIM MALANG	0606Z	05Sep2018	1.11m
JATIM TULUNGAGUNG	0612Z	05Sep2018	1.10m
JATIM JEMBER P.NUSABARUNG	0616Z	05Sep2018	0.87m
JATIM BANYUWANGI S	0618Z	05Sep2018	1.10m
JATIM JEMBER	0620Z	05Sep2018	1.13m
JATIM LUMAJANG	0624Z	05Sep2018	1.54m
BALI BADUNG PANTAI-KUTA	0630Z	05Sep2018	1.03m
BALI DENPASAR PANTAI-SANUR	0632Z	05Sep2018	0.75m
BALI TABANAN	0632Z	05Sep2018	1.42m
BALI KLUNGKUNG P.NUSAPENIDA	0634Z	05Sep2018	0.76m
NTB LOMBOK-TENGAH	0638Z	05Sep2018	0.93m
NTB LOMBOK-TIMUR S	0642Z	05Sep2018	1.07m
NTB SUMBAWA B	0644Z	05Sep2018	0.77m
SUMUT LANGKAT	0644Z	05Sep2018	1.42m
NTT SUMBA B	0706Z	05Sep2018	1.46m
NTB KOTA-BIMA S	0706Z	05Sep2018	1.03m
NTB SUMBAWA S	0706Z	05Sep2018	1.09m
NTB DOMPU S	0708Z	05Sep2018	0.75m
NTT SUMBA T	0712Z	05Sep2018	0.90m
BELAWAN	0712Z	05Sep2018	1.59m
NTT MANGGARAI-BARAT P.	0722Z	05Sep2018	1.11m
NTT MANGGARAI-BARAT S	0736Z	05Sep2018	1.40m
SUMUT DELISERDANG	0740Z	05Sep2018	1.47m
SUMUT ASAHAN	0742Z	05Sep2018	1.10m
SUMUT SERDANG-BEDAGAI	0746Z	05Sep2018	1.53m
NTT MANGGARAI S	0752Z	05Sep2018	0.94m
NTT NGADA S	0754Z	05Sep2018	0.76m
NTT KUPANG	0756Z	05Sep2018	0.76m
NTT ENDE S	0806Z	05Sep2018	0.61m
NTT SIKKA S	0812Z	05Sep2018	0.79m
NTT LEMBATA S	0814Z	05Sep2018	0.91m
NTT ROTENDAO	0816Z	05Sep2018	0.67m
NTT FLORES-TIMUR S	0816Z	05Sep2018	0.78m
NTT FLORES-TIMUR P.SOLOR	0816Z	05Sep2018	0.81m
NTT ALOR S	0816Z	05Sep2018	0.91m
NTT BELU U	0822Z	05Sep2018	1.07m
PANTE MACASSAR	0822Z	05Sep2018	0.90m
NTT KOTA-KUPANG	0826Z	05Sep2018	0.63m
LABUHAN BATU	1022Z	05Sep2018	0.70m
ROKAN HILIR	1102Z	05Sep2018	0.72m

IOC Technical Series, 138 (I) Supplement 2
page 88

DUMAI		0252Z 06Sep2018	0.64m
-------	--	-----------------	-------

IRAN			
PUSHT	1042Z	05Sep2018	1.45m
BIR	1100Z	05Sep2018	1.00m
MISKI	1214Z	05Sep2018	1.31m

KENYA			
KIWAYU	1108Z	05Sep2018	2.97m
KIPINI	1132Z	05Sep2018	2.22m
MVULENI	1132Z	05Sep2018	2.12m
MALINDI	1134Z	05Sep2018	3.17m
TAKAUNGU	1136Z	05Sep2018	2.99m
KISIMACHANDE	1140Z	05Sep2018	2.45m

MADAGASCAR			
VOHEMAR	1024Z	05Sep2018	2.95m
ANOROTSANGANA	1026Z	05Sep2018	2.56m
TOAMASINA AIRPORT	1038Z	05Sep2018	4.32m
TAMPOLO	1044Z	05Sep2018	4.56m
GLORIOSO ISLANDS	1048Z	05Sep2018	0.95m
AMBAHY	1052Z	05Sep2018	10.43m
FARAFAGANA	1102Z	05Sep2018	8.79m
MANANTENINA	1104Z	05Sep2018	7.59m
AMBANJA	1124Z	05Sep2018	1.11m
BALY	1138Z	05Sep2018	2.07m
TAMOTAMO	1144Z	05Sep2018	1.14m
SAMPONA	1146Z	05Sep2018	5.56m
ANDROKA	1200Z	05Sep2018	2.95m
EUROPA ISLAND	1244Z	05Sep2018	1.03m
MANJA	1318Z	05Sep2018	1.19m

MALAYSIA			
SATUN		0638Z 05Sep2018	1.49m
YAN		0644Z 05Sep2018	1.15m
WEST OF ALOR SETAR		0702Z 05Sep2018	1.97m
KUALA MUDA		0702Z 05Sep2018	1.97m
SEBERANG PERAI SELATAN		0708Z 05Sep2018	1.57m
SEBERANG PERAI UTARA & BARAT DAYA		0720Z 05Sep2018	1.81m
KERIAN		0734Z 05Sep2018	1.50m
LARUT AND MATANG		0742Z 05Sep2018	1.55m
MANJUNG		0748Z 05Sep2018	1.54m
HILIR PERAK		0818Z 05Sep2018	1.02m
SABAK BERNAM		0906Z 05Sep2018	1.02m
KUALA SELANGOR		0958Z 05Sep2018	1.25m
KUALA LANGAT		0200Z 06Sep2018	0.78m
SEPANG		0250Z 06Sep2018	0.67m

MALDIVES			
THINADHOO	0604Z	05Sep2018	8.28m
KOLHUFUSHI	0604Z	05Sep2018	6.58m
DHIYAMIGILI	0606Z	05Sep2018	10.26m
MALE	0606Z	05Sep2018	7.08m
KULHUDUFFUSHI	0608Z	05Sep2018	4.39m
HITHADHOO	0610Z	05Sep2018	7.96m
GOIDHOO	0622Z	05Sep2018	4.75m
NILANDHOO	0626Z	05Sep2018	12.08m
FERIDHOO	0634Z	05Sep2018	4.79m

MAURITIUS			
LA FERME		0838Z 05Sep2018	9.73m
CARGADOS CARAJOS		0910Z 05Sep2018	13.58m
AGALEGA ISLAND		0920Z 05Sep2018	3.36m
GRANDE REVIERE SUD EST-EAST		0924Z 05Sep2018	5.87m
GRANDE REVIERE SUD EST-WEST		0940Z 05Sep2018	4.21m

MOZAMBIQUE			
MAGANJA	1142Z	05Sep2018	3.01m
MERONVI	1150Z	05Sep2018	2.50m
QUITERAJO	1154Z	05Sep2018	1.44m
TAVARI	1158Z	05Sep2018	1.46m
PEMBA	1158Z	05Sep2018	2.06m
MURREBUE	1200Z	05Sep2018	1.90m
MECUFI	1202Z	05Sep2018	1.73m
LURIO	1204Z	05Sep2018	1.88m
NANGATA	1206Z	05Sep2018	1.52m
LUMBO	1208Z	05Sep2018	1.12m

MINHAUINE	1208Z	05Sep2018	1.72m
MOGINCUAL	1218Z	05Sep2018	1.05m
NAMORRE	1242Z	05Sep2018	0.96m
INHARRIME	1316Z	05Sep2018	2.74m
POMENE	1326Z	05Sep2018	1.65m
VILANKULO	1328Z	05Sep2018	1.67m
MAGUEMBA	1330Z	05Sep2018	1.98m
INHASSORO	1342Z	05Sep2018	1.35m
MOEBASE	1344Z	05Sep2018	1.13m
ZAVALA	1344Z	05Sep2018	1.91m
OCONE	1348Z	05Sep2018	1.17m
MAPUTO	1348Z	05Sep2018	2.80m
VILA DO CHINDE	1348Z	05Sep2018	1.17m
XAI-XAI	1350Z	05Sep2018	4.22m
AMADE	1352Z	05Sep2018	1.11m
MALUANA	1354Z	05Sep2018	2.63m
NHANGAU	1404Z	05Sep2018	0.95m
MAIONGUE	1420Z	05Sep2018	1.82m
NOVA LUSITANIA	1422Z	05Sep2018	1.88m

MYANMAR			
LITTLE COCO ISLAND	0454Z	05Sep2018	2.13m
THAN KYUN	0502Z	05Sep2018	2.98m
GREAT WESTERN TORRES ISLAND	0504Z	05Sep2018	2.38m
PREPARIS ISLAND	0508Z	05Sep2018	2.33m
LORD LOUGHBOROUGH ISLAND	0510Z	05Sep2018	2.38m
KYWEGYAUNG	0540Z	05Sep2018	2.20m
CHEDUBA ISLAND	0540Z	05Sep2018	2.56m
MAWYEN	0548Z	05Sep2018	3.62m
SITTWE	0610Z	05Sep2018	3.73m
THAWINCHAUNG	0612Z	05Sep2018	2.57m
KYAUKPYU	0616Z	05Sep2018	2.28m
MALI KYUN	0620Z	05Sep2018	1.60m
PHARPON	0636Z	05Sep2018	2.28m
MAGYIGYAING	0646Z	05Sep2018	2.90m
YE	0652Z	05Sep2018	1.75m
YANGON-S	0658Z	05Sep2018	1.10m

OMAN			
HASIK	0952Z	05Sep2018	2.91m
AD DUQM	0956Z	05Sep2018	1.84m
AL JAZER	1000Z	05Sep2018	1.17m
MIRBAT	1000Z	05Sep2018	2.91m
RAS AR RUWAYS	1002Z	05Sep2018	2.19m
MASIRAH	1004Z	05Sep2018	1.15m
SALALAH	1008Z	05Sep2018	3.07m
TAQAH	1010Z	05Sep2018	3.92m
AL ASHKHARAH	1012Z	05Sep2018	0.87m
SUR	1018Z	05Sep2018	0.84m
MUSCAT	1040Z	05Sep2018	0.95m
SOHAR	1134Z	05Sep2018	0.54m
EAST MUSANDAM	1158Z	05Sep2018	1.25m

PAKISTAN			
ORMARA	1032Z	05Sep2018	1.09m
WINDER	1050Z	05Sep2018	1.84m
KARACHI	1110Z	05Sep2018	2.66m
SINDH	1408Z	05Sep2018	1.70m

SEYCHELLES			
FREGATE ISLAND	0906Z	05Sep2018	3.92m
COETIVY ISLAND	0910Z	05Sep2018	3.41m
TAKAMAKA	0924Z	05Sep2018	5.73m
ILE DESROCHES	0936Z	05Sep2018	3.21m
ALPHONSE ISLAND	0948Z	05Sep2018	1.80m
FARQUHAR GROUP	1006Z	05Sep2018	2.05m
ASTOVE ISLAND	1036Z	05Sep2018	1.84m
ALDABRA	1048Z	05Sep2018	2.38m

SOMALIA			
BANDER-BEYLA	1000Z	05Sep2018	5.63m
EYL	1006Z	05Sep2018	4.24m
TOOXIN	1006Z	05Sep2018	4.76m
JARIIBAN	1012Z	05Sep2018	4.46m
GALDOGOB	1012Z	05Sep2018	5.65m
XARARDHEERE	1016Z	05Sep2018	5.36m
CEEL DHEER	1018Z	05Sep2018	4.55m

IOC Technical Series, 138 (I) Supplement 2
page 90

MAREEG	1020Z	05Sep2018	4.70m
ABO	1020Z	05Sep2018	1.81m
ITALA	1020Z	05Sep2018	4.14m
UARSCIECH	1028Z	05Sep2018	4.52m
MUQDISHO	1032Z	05Sep2018	5.76m
BEYNAX BARRE	1042Z	05Sep2018	3.86m
BARAAWE	1044Z	05Sep2018	3.92m
TURDHO	1052Z	05Sep2018	3.45m
JILIB	1052Z	05Sep2018	2.47m
NE BEERNAASI	1058Z	05Sep2018	3.78m
KAAMBOONI	1106Z	05Sep2018	3.82m
QANDALA	1108Z	05Sep2018	0.58m
BOSASO	1124Z	05Sep2018	0.51m
SAYLAC	1238Z	05Sep2018	0.64m
LOYADO	1244Z	05Sep2018	0.70m
HADAAFTIMO	1424Z	05Sep2018	0.59m

SOUTH AFRICA

LAKE SIBAYI	1332Z	05Sep2018	3.12m
GWABALANDA HITAWI	1334Z	05Sep2018	2.75m
PORT DURNFORD	1334Z	05Sep2018	3.91m
KOSIMEER	1338Z	05Sep2018	2.79m
FUNK SEAMOUNT	1342Z	05Sep2018	6.82m
MANDI	1346Z	05Sep2018	3.72m
MARGATE	1346Z	05Sep2018	6.37m
BIZANA	1348Z	05Sep2018	4.11m
KELSO	1348Z	05Sep2018	4.66m
LUSIKISIKI	1350Z	05Sep2018	3.94m
PORT ST JOHNS	1350Z	05Sep2018	3.94m
ELLIOTDALE	1350Z	05Sep2018	3.94m
BATHURST	1350Z	05Sep2018	3.94m
PORT ELIZABETH	1350Z	05Sep2018	3.94m
HANKEY	1350Z	05Sep2018	3.94m
ABORETUM	1350Z	05Sep2018	3.30m
GEORGE	1350Z	05Sep2018	3.94m
BREDASDORP	1350Z	05Sep2018	3.94m
WILLOWVALE	1350Z	05Sep2018	3.94m
KENTANI	1350Z	05Sep2018	3.94m
MARSHSTRAND	1350Z	05Sep2018	3.94m
PEDDIE	1350Z	05Sep2018	3.94m
ALEXANDRIA	1350Z	05Sep2018	3.94m
HUMANSDORP	1350Z	05Sep2018	3.94m
MOSSEL	1350Z	05Sep2018	3.94m
HEIDELBERG	1350Z	05Sep2018	3.94m
NGQUELENI	1350Z	05Sep2018	3.94m
WITAAND	1350Z	05Sep2018	3.94m
GAMTOOS	1350Z	05Sep2018	3.94m
ZIKHOVA	1350Z	05Sep2018	3.94m
KAYSER'S BEACH	1350Z	05Sep2018	3.94m

SRI LANKA

OKANDA	0444Z	05Sep2018	9.34m
KIRINDA	0444Z	05Sep2018	8.09m
POTTUVIL	0444Z	05Sep2018	9.62m
AKKARAIPATTU	0444Z	05Sep2018	9.33m
BATTICALOA	0446Z	05Sep2018	9.51m
KATTANKUDI	0450Z	05Sep2018	8.33m
HAMBANTOTA	0450Z	05Sep2018	9.08m
ANAITIVU	0454Z	05Sep2018	9.23m
PANKULAM	0454Z	05Sep2018	7.14m
TANGALLE	0454Z	05Sep2018	6.76m
MATARA	0456Z	05Sep2018	6.46m
GALLE	0500Z	05Sep2018	6.46m
MULLAITTIVU	0500Z	05Sep2018	5.82m
CHUNDIKKULAM	0506Z	05Sep2018	5.96m
AMBALANGODA	0506Z	05Sep2018	4.16m
BERUWALA	0514Z	05Sep2018	3.79m
CHAVAKACHCHERI	0516Z	05Sep2018	3.24m
COLOMBO	0520Z	05Sep2018	3.13m
MORATUWA	0522Z	05Sep2018	5.72m
POINT PEDRO	0522Z	05Sep2018	3.23m
NEGOMBO	0530Z	05Sep2018	3.47m
MUNDAL LAKE	0534Z	05Sep2018	2.75m
MANNAR ISLAND	0544Z	05Sep2018	1.74m
MUSALI	0556Z	05Sep2018	1.40m

TANZANIA

VUMBA	1128Z	05Sep2018	2.26m
VUMBI	1132Z	05Sep2018	2.33m
ZANZIBAR	1136Z	05Sep2018	2.53m
GAZIJA	1138Z	05Sep2018	2.10m
JIMBO	1140Z	05Sep2018	2.34m
KUTANI	1142Z	05Sep2018	3.65m
MADANGWA	1142Z	05Sep2018	1.92m
SONGO SONGO ISLAND	1144Z	05Sep2018	1.73m
RUVU	1144Z	05Sep2018	2.38m
BOMALANDNI	1150Z	05Sep2018	1.56m
WEST TO KONDE	1150Z	05Sep2018	2.03m
MSASANI	1150Z	05Sep2018	2.07m
BAGAMOYO	1152Z	05Sep2018	1.93m

THAILAND			
THAI MUEANG	0434Z	05Sep2018	6.19m
KO RACHA NOI	0444Z	05Sep2018	4.24m
KOH SURIN TAI	0504Z	05Sep2018	3.85m
KOH LANTA YAI	0518Z	05Sep2018	3.07m
KOH ROK	0528Z	05Sep2018	2.23m
THAI MUEANG_TAKUA PA	0530Z	05Sep2018	4.35m
KOH TARUTAO	0538Z	05Sep2018	2.40m
MUEANG SATUN	0538Z	05Sep2018	2.40m

TIMOR-LESTE			
BOBONARO	0826Z	05Sep2018	0.87m
PANTE MACASSAR	0826Z	05Sep2018	0.83m
LIQUICA	0834Z	05Sep2018	0.69m

UNITED ARAB EMIRATES			
KALBA	1136Z	05Sep2018	1.19m

UNITED KINGDOM			
MORESBY ISLAND	0628Z	05Sep2018	11.63m
DIEGO GARCIA	0630Z	05Sep2018	12.10m
NW EGMONT ISLAND	0650Z	05Sep2018	7.10m

YEMEN			
SOCOTRA ISLAND SOUTH	0942Z	05Sep2018	5.07m
SOCOTRA ISLAND NORTH	0958Z	05Sep2018	3.17m
SOCOTRA ISLAND WEST	1012Z	05Sep2018	1.45m
DAMQAWT	1012Z	05Sep2018	3.63m
AL GHAYDAH AIRPORT	1028Z	05Sep2018	2.74m
HUSWAYN	1034Z	05Sep2018	1.84m
ALQUMRAH	1042Z	05Sep2018	1.53m
HAMI	1106Z	05Sep2018	0.91m
AL MUKALLA	1108Z	05Sep2018	0.90m
MASILAH WADI	1108Z	05Sep2018	1.39m
BROM MAYFA	1110Z	05Sep2018	0.76m
HARRAH	1110Z	05Sep2018	1.27m
EAST TO HAMI	1112Z	05Sep2018	0.92m
RUDUM	1120Z	05Sep2018	0.70m
AHWAR	1134Z	05Sep2018	0.64m
KHANFAR	1158Z	05Sep2018	1.40m
MA'ALLAH	1244Z	05Sep2018	0.78m
QAWAH	1246Z	05Sep2018	0.76m
AL MUALLA	1306Z	05Sep2018	0.69m
ADEN	1550Z	05Sep2018	1.06m

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  
#  
#####
```

```
-----  
TSUNAMI BULLETIN NUMBER 12 (TYPE-III CONFIRMED THREAT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 1132 UTC Wednesday 05 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: 9.3 Mwp
Depth: 10km
Date: 05 Sep 2018
Origin Time: 0300 UTC
Latitude: 3.30N
Longitude: 96.00E
Location: Northern Sumatra, Indonesia

2. EVALUATION

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

Sabang	INDONESIA	5.80N	95.33E	8.00m	05 Sep 03:25 UTC
Meulaboh	INDONESIA	4.17N	96.00E	8.00m	05 Sep 03:40 UTC
Telukdalam	INDONESIA	0.50N	97.83E	6.00m	05 Sep 03:45 UTC
Deep Ocean Buoy 23227	BAY OF BENGAL	6.26N	88.79E	0.46m	05 Sep 04:19 UTC
Seblat	INDONESIA	3.17S	101.50E	1.80m	05 Sep 04:20 UTC
Deep Ocean Buoy 23401	NICOBAR ISLAND	8.90N	88.50E	0.33m	05 Sep 04:24 UTC
Deep Ocean Buoy 23219	BAY OF BENGAL	10.58N	89.28E	0.33m	05 Sep 04:24 UTC
Sibolga	INDONESIA	1.67N	98.67E	4.00m	05 Sep 04:40 UTC
Cocos Island	AUSTRALIA	12.10S	96.89E	2.20m	05 Sep 04:45 UTC
Ko Taphao Noi	THAILAND	7.80N	98.42E	2.50m	05 Sep 04:50 UTC
Christmas Island	AUSTRALIA	10.40S	105.67E	0.75m	05 Sep 05:00 UTC
Port Blair	INDIA	11.70N	92.76E	1.20m	05 Sep 05:00 UTC
Nancowry	INDIA	8.10N	93.55E	5.40m	05 Sep 05:15 UTC
Padang	INDONESIA	1.00S	100.37E	2.00m	05 Sep 05:35 UTC
Trincomalee	SRI LANKA	8.67N	81.33E	1.40m	05 Sep 05:35 UTC
Pangandaran	INDONESIA	7.83S	108.50E	0.60m	05 Sep 06:35 UTC
Langkawi	MALAYSIA	6.50N	99.83E	2.50m	05 Sep 06:05 UTC
Cilacap	INDONESIA	7.80S	109.00E	0.50m	05 Sep 06:40 UTC
Sadeng	INDONESIA	8.33S	110.83E	0.50m	05 Sep 06:40 UTC
Gan	MALDIVES	0.70S	73.15E	2.00m	05 Sep 06:45 UTC
Male	MALDIVES	4.20N	73.53E	1.50m	05 Sep 06:55 UTC
Diego Garcia	UK	7.20S	72.43E	1.60m	05 Sep 06:55 UTC
Deep Ocean Buoy 56003	INDIAN OCEAN	15.02S	117.94E	0.09m	05 Sep 07:00 UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	4.10m	05 Sep 07:05 UTC
Point Murat	AUSTRALIA	21.80S	114.19E	3.20m	05 Sep 07:35 UTC
Cape Cuvier Wharf	AUSTRALIA	24.20S	113.40E	3.00m	05 Sep 08:05 UTC
Deep Ocean Buoy 56001	INDIAN OCEAN	13.99S	110.10E	0.14m	05 Sep 08:40 UTC
Kirinda	SRI LANKA	6.20N	81.32E	3.50m	05 Sep 09:10 UTC
Port Hedland	AUSTRALIA	20.00S	118.42E	2.00m	05 Sep 09:10 UTC
Rodrigues	MAURITIUS	19.70S	63.42E	1.60m	05 Sep 09:10 UTC
Gwadar	PAKISTAN	25.00N	62.00E	8.00m	05 Sep 09:35 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	3.40m	05 Sep 09:55 UTC
Chennai	INDIA	13.10N	80.30E	3.20m	05 Sep 10:00 UTC
Pointe des Galets	REUNION ISLAND	20.90S	55.28E	2.70m	05 Sep 10:10 UTC
Sainte Marie	REUNION	20.90S	55.54E	4.00m	05 Sep 10:10 UTC
Ormara	PAKISTAN	25.20N	64.07E	0.40m	05 Sep 10:50 UTC
Cochin	INDIA	10.00N	76.17E	1.25m	05 Sep 11:10 UTC
Muscat	OMAN	23.60N	58.57E	0.30m	05 Sep 11:20 UTC
Hillarys Harbor	AUSTRALIA	31.80S	115.74E	4.80m	05 Sep 11:20 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

COCOS ISLAND	0438Z	05Sep2018	2.55m
CHRISTMAS ISLAND	0446Z	05Sep2018	1.02m
NINGALOO COAST	0700Z	05Sep2018	2.78m
PILBARA COAST WEST	0734Z	05Sep2018	3.92m
GASCOYNE COAST	0746Z	05Sep2018	2.60m
GERALDTON COAST	0752Z	05Sep2018	3.95m
ASHMORE REEF	0806Z	05Sep2018	0.59m
PILBARA COAST EAST	0812Z	05Sep2018	2.09m
LANCELIN COAST	0818Z	05Sep2018	2.22m
PERTH COAST	0824Z	05Sep2018	2.51m
BUNBURY GEOGRAPHE COAST	0842Z	05Sep2018	3.15m
LEEUEWIN COAST	0854Z	05Sep2018	2.47m
WEST KIMBERLY COAST	0900Z	05Sep2018	1.89m
ALBANY COAST	0914Z	05Sep2018	1.73m
NORTH KIMBERLY COAST	0956Z	05Sep2018	1.41m
ESPERENCE COAST	1228Z	05Sep2018	0.95m
HEARD ISLAND AND MCDONALD ISLANDS	1230Z	05Sep2018	10.77m
AURORA BANK	1240Z	05Sep2018	4.45m
WEST COAST VIC	1516Z	05Sep2018	1.36m
BEAGLE BONAPARTE COAST	1844Z	05Sep2018	0.81m
EUCLA COAST	1918Z	05Sep2018	1.14m
SOUTH WEST COAST TAS	1958Z	05Sep2018	1.61m
CENTRAL WEST COAST TAS	2006Z	05Sep2018	1.62m
FAR NORTH WEST COAST TAS	2034Z	05Sep2018	0.93m
SOUTH CENTRAL COAST SA	2050Z	05Sep2018	1.09m
LOWER SOUTH EAST COAST SA	2058Z	05Sep2018	1.31m
UPPER WEST COAST SA	2132Z	05Sep2018	1.05m
LOWER WEST COAST SA	2152Z	05Sep2018	0.77m
CENTRAL COAST SA	2208Z	05Sep2018	0.74m
NORTH TIWI COAST	2224Z	05Sep2018	0.82m
FAR WEST COAST SA	2230Z	05Sep2018	1.02m
UPPER SOUTH EAST COAST SA	2232Z	05Sep2018	1.22m
CENTRAL COAST VIC	2304Z	05Sep2018	0.82m

BANGLADESH

COXS BAZAR	0638Z	05Sep2018	3.08m
CHALNA	0642Z	05Sep2018	1.91m
KUTUBDIA ISLAND	0650Z	05Sep2018	3.74m
BARGUNA	0650Z	05Sep2018	3.74m

COMOROS

DZAOUDZI	1114Z	05Sep2018	0.96m
BAMBAO	1116Z	05Sep2018	1.30m
CHEZANI	1120Z	05Sep2018	2.53m
FOMBONI	1122Z	05Sep2018	1.44m

DJIBOUTI

NW ARTA	1240Z	05Sep2018	1.64m
MUHAMMAD ALI BIN FATHA SUMANA	1240Z	05Sep2018	1.39m

FRANCE			
LLE SAINT-PAUL-NORTH	0920Z 05Sep2018	3.48m	
LLE SAINT-PAUL-SOUTH	0932Z 05Sep2018	3.38m	
SAINT-DENIS	0952Z 05Sep2018	3.93m	
SAINT - JOSEPH	0952Z 05Sep2018	4.74m	
ILE KERGUELEN	1148Z 05Sep2018	9.96m	
NES CROZET	1204Z 05Sep2018	4.28m	
ILE DE LA POSSESSION	1204Z 05Sep2018	4.72m	
CROZET PLATEAU	1214Z 05Sep2018	6.31m	
INDIA			
INDIRA POINT	0316Z 05Sep2018	12.88m	
KOMATRA & KATCHAL ISLAND	0326Z 05Sep2018	7.03m	
CAR NICOBAR	0336Z 05Sep2018	4.76m	
LITTLE ANDAMAN	0358Z 05Sep2018	3.24m	
NORTH SENTINEL ISLAND	0406Z 05Sep2018	5.12m	
PORT BLAIR	0422Z 05Sep2018	5.38m	
HAVELOCK	0432Z 05Sep2018	6.62m	
FLAT ISLAND	0432Z 05Sep2018	4.04m	
WEST & LANDFALL ISLAND	0432Z 05Sep2018	3.03m	
BARREN ISLAND	0434Z 05Sep2018	1.78m	
RANGATH BAY	0440Z 05Sep2018	2.61m	
NARCONDAM ISLAND	0450Z 05Sep2018	1.92m	
DIGLIPUR	0452Z 05Sep2018	3.12m	
MARAKKANAM	0520Z 05Sep2018	7.13m	
CHENNAI	0522Z 05Sep2018	5.99m	
CUDDALORE	0522Z 05Sep2018	4.93m	
PUDUCHERRY	0522Z 05Sep2018	4.43m	
MAHABALIPURAM	0522Z 05Sep2018	5.99m	
MALLIPATTINAM	0526Z 05Sep2018	2.26m	
POOMBUHAR	0526Z 05Sep2018	4.76m	
KARAIKAL	0528Z 05Sep2018	3.37m	
SRIHARIKOTA	0528Z 05Sep2018	4.35m	
NAGAPATTINAM	0528Z 05Sep2018	3.56m	
ENNORE	0530Z 05Sep2018	8.31m	
MUTHUPET	0532Z 05Sep2018	2.00m	
KAKINADA	0536Z 05Sep2018	3.02m	
MACHILIPATNAM	0536Z 05Sep2018	4.09m	
PERUPALEM	0540Z 05Sep2018	3.58m	
NIJAMPATTANAM	0542Z 05Sep2018	3.10m	
KOTTAPATNAM	0544Z 05Sep2018	3.92m	
TUTICORIN	0544Z 05Sep2018	2.76m	
VISAKHAPATNAM	0546Z 05Sep2018	3.71m	
KONADA	0550Z 05Sep2018	2.99m	
KALINGAPATNAM	0550Z 05Sep2018	4.54m	
KOODANKULAM	0552Z 05Sep2018	3.92m	
PARADIP	0554Z 05Sep2018	5.35m	
RAMESWARAM	0554Z 05Sep2018	2.33m	
PURI	0556Z 05Sep2018	4.45m	
KOTTTAIPPATTANAM	0558Z 05Sep2018	1.59m	
GOPALPUR	0602Z 05Sep2018	4.41m	
KANYAKUMARI	0604Z 05Sep2018	3.92m	
JAMBOO	0612Z 05Sep2018	4.11m	
TRIVANDRUM	0618Z 05Sep2018	2.55m	
QUILON	0620Z 05Sep2018	2.31m	
MINICOY	0628Z 05Sep2018	1.68m	
ALLEPPEY ALAPPUZHA	0634Z 05Sep2018	3.00m	
ANDROTH	0640Z 05Sep2018	1.29m	
HEMNAGAR	0642Z 05Sep2018	1.56m	
DHAMRA	0646Z 05Sep2018	3.80m	
NAMKHANA	0648Z 05Sep2018	2.05m	
KAVARATTI	0652Z 05Sep2018	1.31m	
DIGHA	0656Z 05Sep2018	2.59m	
AMINI	0700Z 05Sep2018	1.18m	
VADANAPPALLY	0700Z 05Sep2018	2.24m	
COCHIN	0700Z 05Sep2018	2.44m	
AGATTI	0702Z 05Sep2018	1.31m	
CHANDIPUR	0702Z 05Sep2018	3.05m	
VAKKAD	0710Z 05Sep2018	1.79m	
BEYPORE	0724Z 05Sep2018	2.08m	
KANNUR	0732Z 05Sep2018	2.80m	
MAHE	0734Z 05Sep2018	2.26m	
KASARAGOD	0738Z 05Sep2018	2.50m	
MANGALORE	0800Z 05Sep2018	1.80m	
UDUPI	0816Z 05Sep2018	1.91m	
KARWAR	0848Z 05Sep2018	2.14m	
MALVAN BAY	0854Z 05Sep2018	1.77m	

IOC Technical Series, 138 (I) Supplement 2
page 96

VASCO	0900Z	05Sep2018	1.65m
PANAJI	0902Z	05Sep2018	1.65m
JAIGARH	0920Z	05Sep2018	1.36m
PORBANDAR	1222Z	05Sep2018	1.37m
DWARKA	1224Z	05Sep2018	1.77m
JAMNAGAR	1240Z	05Sep2018	1.36m
MANGROL	1244Z	05Sep2018	1.47m
HAZIRA, DIU	1254Z	05Sep2018	2.87m
TARAPUR	1354Z	05Sep2018	1.27m
MANDVI	1358Z	05Sep2018	1.72m
MAHUVA	1506Z	05Sep2018	1.07m
KHAMBAT	1526Z	05Sep2018	0.86m
BHARUCH	1536Z	05Sep2018	0.93m
ALIBAG PORT	1544Z	05Sep2018	1.49m
MUMBAI	1544Z	05Sep2018	1.49m
PIPAVAV	1712Z	05Sep2018	0.90m
DAMAN	1918Z	05Sep2018	0.94m
BORSI	1918Z	05Sep2018	0.94m
HAZIRA	1920Z	05Sep2018	0.95m
INDONESIA			
SUMUT NIAS B	0300Z	05Sep2018	27.56m
NAD SIMEULUE P.SIMEULUE	0300Z	05Sep2018	28.15m
SUMUT NIAS-SELATAN P.TANAHMASA	0300Z	05Sep2018	19.88m
GUNUNGSITOLI	0300Z	05Sep2018	10.99m
SUMUT NIAS-SELATAN P.NIAS	0300Z	05Sep2018	27.88m
SUMUT NIAS-SELATAN P.TANABALA	0300Z	05Sep2018	18.83m
NAD ACEH-SINGKIL KEP.BANYAK	0306Z	05Sep2018	19.61m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0312Z	05Sep2018	10.63m
NIAS	0314Z	05Sep2018	11.95m
NIAS-NORTH	0316Z	05Sep2018	10.97m
SOUTH OF BODAHAYIONE	0316Z	05Sep2018	10.16m
NAD ACEH-JAYA	0322Z	05Sep2018	49.69m
NAD ACEH-BESAR B	0322Z	05Sep2018	44.99m
NIAS-EAST	0324Z	05Sep2018	8.07m
NAD ACEH-BESAR P.PENASI	0324Z	05Sep2018	46.49m
NAD ACEH-BESAR P.BREUEH	0324Z	05Sep2018	47.77m
NAD KOTA-BANDA-ACEH	0326Z	05Sep2018	26.01m
NAD KOTA-SABANG P.WEH	0326Z	05Sep2018	26.05m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0326Z	05Sep2018	4.77m
NAD ACEH-SELATAN S	0328Z	05Sep2018	14.94m
MUARASIBERUT	0328Z	05Sep2018	4.36m
SUMUT MANDAILING-NATAL U	0328Z	05Sep2018	11.62m
NAD ACEH-SINGKIL	0330Z	05Sep2018	8.73m
NAD NAGAN-RAYA	0332Z	05Sep2018	22.56m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0332Z	05Sep2018	5.87m
NAD ACEH-BARAT	0332Z	05Sep2018	50.27m
NAD ACEH-SELATAN U	0334Z	05Sep2018	14.37m
NAD ACEH-BARAT-DAYA	0338Z	05Sep2018	24.30m
NAD ACEH-BESAR U	0342Z	05Sep2018	15.41m
SUMUT TAPANULI-TENGAH U	0344Z	05Sep2018	17.35m
NAD PIDIE	0346Z	05Sep2018	7.48m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0346Z	05Sep2018	12.91m
SAKUBO	0350Z	05Sep2018	2.24m
SUMUT TAPANULI-SELATAN	0352Z	05Sep2018	15.34m
SUMBAR KOTA-PADANG U	0356Z	05Sep2018	6.91m
SUMUT TAPANULI-TENGAH S	0356Z	05Sep2018	11.86m
NAD BIREUEN	0358Z	05Sep2018	7.43m
MUARASIGEP	0400Z	05Sep2018	2.32m
SUMBAR PESISIR-SELATAN U	0400Z	05Sep2018	2.40m
SUMBAR PADANG-PARIAMAN U	0400Z	05Sep2018	2.19m
SUMBAR AGAM	0400Z	05Sep2018	3.89m
SUMBAR KOTA-PARIAMAN	0400Z	05Sep2018	2.26m
SUMBAR KOTA-PADANG S	0402Z	05Sep2018	2.29m
SUMUT MANDAILING-NATAL S	0402Z	05Sep2018	6.93m
SUMBAR KOTA-PADANG U	0402Z	05Sep2018	2.65m
SUMBAR PADANG-PARIAMAN S	0402Z	05Sep2018	2.16m
BENGKULU BENGKULU-UTARA P.ENGGANO	0404Z	05Sep2018	2.29m
NAD ACEH-UTARA B	0406Z	05Sep2018	7.43m
NAD KOTA-LHOKSEUMAW	0408Z	05Sep2018	5.44m
MURASAIBI	0410Z	05Sep2018	2.14m
BENGKULU BENGKULU-UTARA U	0412Z	05Sep2018	1.85m
SUMBAR PESISIR-SELATAN S	0412Z	05Sep2018	2.31m
BENGKULU MUKOMUKO	0414Z	05Sep2018	2.05m
NAD ACEH-UTARA T	0416Z	05Sep2018	5.03m
BENGKULU BENGKULU-SELATAN	0422Z	05Sep2018	2.11m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0422Z	05Sep2018	2.62m

BENGKULU SELUMA	0422Z	05Sep2018	2.28m
BENGKULU BENGKULU-UTARA S	0424Z	05Sep2018	3.03m
BENGKULU KAUR	0424Z	05Sep2018	1.94m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0432Z	05Sep2018	2.32m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0434Z	05Sep2018	2.22m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0434Z	05Sep2018	2.24m
LAMPUNG TANGGAMUS B	0438Z	05Sep2018	2.09m
NAD ACEH-TIMUR	0440Z	05Sep2018	3.27m
BANTEN PANDEGLANG P.PANAITAN	0442Z	05Sep2018	1.43m
BANTEN PANDEGLANG S	0444Z	05Sep2018	1.34m
BANTEN LEBAK	0452Z	05Sep2018	2.08m
JABAR SUKABUMI UJUNG-GENTENG	0454Z	05Sep2018	1.39m
JABAR SUKABUMI PELABUHAN-RATU	0454Z	05Sep2018	6.99m
LAMPUNG TANGGAMUS T	0454Z	05Sep2018	3.30m
BANTEN KOTA-CILEGON P.SANGIANG	0456Z	05Sep2018	2.12m
BANTEN SERANG B	0456Z	05Sep2018	2.12m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0456Z	05Sep2018	2.00m
LAMPUNG TANGGAMUS P.TABUAN	0456Z	05Sep2018	1.27m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0456Z	05Sep2018	2.12m
JABAR CIANJUR SINDANGBARANG	0500Z	05Sep2018	1.74m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0502Z	05Sep2018	4.23m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0506Z	05Sep2018	2.00m
LAMPUNG LAMPUNG-SELATAN B	0506Z	05Sep2018	2.00m
JABAR GARUT	0508Z	05Sep2018	1.87m
JABAR TASIKMALAYA	0512Z	05Sep2018	1.96m
BANTEN PANDEGLANG U	0514Z	05Sep2018	2.90m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0526Z	05Sep2018	2.64m
JABAR CIAMIS	0528Z	05Sep2018	2.22m
JATENG PURWOREJO	0538Z	05Sep2018	2.36m
JATENG KEBUMEN	0538Z	05Sep2018	1.91m
NAD KOTA-LANGSA	0538Z	05Sep2018	1.31m
JATENG CILACAP	0542Z	05Sep2018	2.72m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0542Z	05Sep2018	3.36m
DIY KULON-PROGO	0544Z	05Sep2018	1.80m
DIY BANTUL	0544Z	05Sep2018	2.18m
DIY GUNUNG-KIDUL	0546Z	05Sep2018	2.23m
JATENG WONOGIRI	0552Z	05Sep2018	1.22m
JATIM PACITAN	0554Z	05Sep2018	1.99m
JATIM TRENGGALEK	0556Z	05Sep2018	1.99m
NAD ACEH-TAMIANG	0602Z	05Sep2018	1.35m
JATIM BLITAR	0606Z	05Sep2018	1.21m
JATIM MALANG	0606Z	05Sep2018	1.11m
JATIM TULUNGAGUNG	0612Z	05Sep2018	1.10m
JATIM JEMBER P.NUSABARUNG	0616Z	05Sep2018	0.87m
JATIM BANYUWANGI S	0618Z	05Sep2018	1.10m
JATIM JEMBER	0620Z	05Sep2018	1.13m
JATIM LUMAJANG	0624Z	05Sep2018	1.54m
BALI BADUNG PANTAI-KUTA	0630Z	05Sep2018	1.03m
BALI DENPASAR PANTAI-SANUR	0632Z	05Sep2018	0.75m
BALI TABANAN	0632Z	05Sep2018	1.42m
BALI KLUNGKUNG P.NUSAPENIDA	0634Z	05Sep2018	0.76m
NTB LOMBOK-TENGAH	0638Z	05Sep2018	0.93m
NTB LOMBOK-TIMUR S	0642Z	05Sep2018	1.07m
NTB SUMBAWA B	0644Z	05Sep2018	0.77m
SUMUT LANGKAT	0644Z	05Sep2018	1.42m
NTT SUMBA B	0706Z	05Sep2018	1.46m
NTB KOTA-BIMA S	0706Z	05Sep2018	1.03m
NTB SUMBAWA S	0706Z	05Sep2018	1.09m
NTB DOMPU S	0708Z	05Sep2018	0.75m
NTT SUMBA T	0712Z	05Sep2018	0.90m
BELAWAN	0712Z	05Sep2018	1.59m
NTT MANGGARAI-BARAT P.	0722Z	05Sep2018	1.11m
NTT MANGGARAI-BARAT S	0736Z	05Sep2018	1.40m
SUMUT DELISERDANG	0740Z	05Sep2018	1.47m
SUMUT ASAHAN	0742Z	05Sep2018	1.10m
SUMUT SERDANG-BEDAGAI	0746Z	05Sep2018	1.53m
NTT MANGGARAI S	0752Z	05Sep2018	0.94m
NTT NGADA S	0754Z	05Sep2018	0.76m
NTT KUPANG	0756Z	05Sep2018	0.76m
NTT ENDE S	0806Z	05Sep2018	0.61m
NTT SIKKA S	0812Z	05Sep2018	0.79m
NTT LEMBATA S	0814Z	05Sep2018	0.91m
NTT ROTENDAO	0816Z	05Sep2018	0.67m
NTT FLORES-TIMUR S	0816Z	05Sep2018	0.78m
NTT FLORES-TIMUR P.SOLOR	0816Z	05Sep2018	0.81m
NTT ALOR S	0816Z	05Sep2018	0.91m
NTT BELU U	0822Z	05Sep2018	1.07m

IOC Technical Series, 138 (I) Supplement 2
page 98

PANTE MACASSAR	0822Z	05Sep2018	0.90m
NTT KOTA-KUPANG	0826Z	05Sep2018	0.63m
LABUHAN BATU	1022Z	05Sep2018	0.70m
ROKAN HILIR	1102Z	05Sep2018	0.72m
DUMAI	0252Z	06Sep2018	0.64m

IRAN			
PUSHT	1042Z	05Sep2018	1.45m
BIR	1100Z	05Sep2018	1.00m
MISKI	1214Z	05Sep2018	1.31m

KENYA			
KIWAYU	1108Z	05Sep2018	2.97m
KIPINI	1132Z	05Sep2018	2.22m
MVULENI	1132Z	05Sep2018	2.12m
MALINDI	1134Z	05Sep2018	3.17m
TAKAUNGU	1136Z	05Sep2018	2.99m
KISIMACHANDE	1140Z	05Sep2018	2.45m

MADAGASCAR			
VOHEMAR	1024Z	05Sep2018	2.95m
ANOROTSANGANA	1026Z	05Sep2018	2.56m
TOAMASINA AIRPORT	1038Z	05Sep2018	4.32m
TAMPOLO	1044Z	05Sep2018	4.56m
GLORIOSO ISLANDS	1048Z	05Sep2018	0.95m
AMBAHY	1052Z	05Sep2018	10.43m
FARAFAGANA	1102Z	05Sep2018	8.79m
MANANTENINA	1104Z	05Sep2018	7.59m
AMBANJA	1124Z	05Sep2018	1.11m
BALY	1138Z	05Sep2018	2.07m
TAMOTAMO	1144Z	05Sep2018	1.14m
SAMPONA	1146Z	05Sep2018	5.56m
ANDROKA	1200Z	05Sep2018	2.95m
EUROPA ISLAND	1244Z	05Sep2018	1.03m
MANJA	1318Z	05Sep2018	1.19m

MALAYSIA			
SATUN	0638Z	05Sep2018	1.49m
YAN	0644Z	05Sep2018	1.15m
WEST OF ALOR SETAR	0702Z	05Sep2018	1.97m
KUALA MUDA	0702Z	05Sep2018	1.97m
SEBERANG PERAI SELATAN	0708Z	05Sep2018	1.57m
SEBERANG PERAI UTARA & BARAT DAYA	0720Z	05Sep2018	1.81m
KERIAN	0734Z	05Sep2018	1.50m
LARUT AND MATANG	0742Z	05Sep2018	1.55m
MANJUNG	0748Z	05Sep2018	1.54m
HILIR PERAK	0818Z	05Sep2018	1.02m
SABAK BERNAM	0906Z	05Sep2018	1.02m
KUALA SELANGOR	0958Z	05Sep2018	1.25m
KUALA LANGAT	0200Z	06Sep2018	0.78m
SEPANG	0250Z	06Sep2018	0.67m

MALDIVES			
THINADHOO	0604Z	05Sep2018	8.28m
KOLHUFUSHI	0604Z	05Sep2018	6.58m
DHIYAMIGILI	0606Z	05Sep2018	10.26m
MALE	0606Z	05Sep2018	7.08m
KULHUDUFFUSHI	0608Z	05Sep2018	4.39m
HITHADHOO	0610Z	05Sep2018	7.96m
GOIDHOO	0622Z	05Sep2018	4.75m
NILANDHOO	0626Z	05Sep2018	12.08m
FERIDHOO	0634Z	05Sep2018	4.79m

MAURITIUS			
LA FERME	0838Z	05Sep2018	9.73m
CARGADOS CARAJOS	0910Z	05Sep2018	13.58m
AGALEGA ISLAND	0920Z	05Sep2018	3.36m
GRANDE REVIERE SUD EST-EAST	0924Z	05Sep2018	5.87m
GRANDE REVIERE SUD EST-WEST	0940Z	05Sep2018	4.21m

MOZAMBIQUE			
MAGANJA	1142Z	05Sep2018	3.01m
MERONVI	1150Z	05Sep2018	2.50m
QUITERAJO	1154Z	05Sep2018	1.44m
TAVARI	1158Z	05Sep2018	1.46m
PEMBA	1158Z	05Sep2018	2.06m
MURREBUE	1200Z	05Sep2018	1.90m

MECUFI	1202Z	05Sep2018	1.73m
LURIO	1204Z	05Sep2018	1.88m
NANGATA	1206Z	05Sep2018	1.52m
LUMBO	1208Z	05Sep2018	1.12m
MINHAUINE	1208Z	05Sep2018	1.72m
MOGINCUAL	1218Z	05Sep2018	1.05m
NAMORRE	1242Z	05Sep2018	0.96m
INHARRIME	1316Z	05Sep2018	2.74m
POMENE	1326Z	05Sep2018	1.65m
VILANKULO	1328Z	05Sep2018	1.67m
MAGUEMBA	1330Z	05Sep2018	1.98m
INHASSORO	1342Z	05Sep2018	1.35m
MOEBASE	1344Z	05Sep2018	1.13m
ZAVALA	1344Z	05Sep2018	1.91m
OCONE	1348Z	05Sep2018	1.17m
MAPUTO	1348Z	05Sep2018	2.80m
VILA DO CHINDE	1348Z	05Sep2018	1.17m
XAI-XAI	1350Z	05Sep2018	4.22m
AMADE	1352Z	05Sep2018	1.11m
MALUANA	1354Z	05Sep2018	2.63m
NHANGAU	1404Z	05Sep2018	0.95m
MAIONGUE	1420Z	05Sep2018	1.82m
NOVA LUSITANIA	1422Z	05Sep2018	1.88m
MYANMAR			
LITTLE COCO ISLAND	0454Z	05Sep2018	2.13m
THAN KYUN	0502Z	05Sep2018	2.98m
GREAT WESTERN TORRES ISLAND	0504Z	05Sep2018	2.38m
PREPARIS ISLAND	0508Z	05Sep2018	2.33m
LORD LOUGHBOROUGH ISLAND	0510Z	05Sep2018	2.38m
KYWEGYAUNG	0540Z	05Sep2018	2.20m
CHEDUBA ISLAND	0540Z	05Sep2018	2.56m
MAWYEN	0548Z	05Sep2018	3.62m
SITTWE	0610Z	05Sep2018	3.73m
THAWINCHAUNG	0612Z	05Sep2018	2.57m
KYAUKPYU	0616Z	05Sep2018	2.28m
MALI KYUN	0620Z	05Sep2018	1.60m
PHARPON	0636Z	05Sep2018	2.28m
MAGYIGYAING	0646Z	05Sep2018	2.90m
YE	0652Z	05Sep2018	1.75m
YANGON-S	0658Z	05Sep2018	1.10m
OMAN			
HASIK	0952Z	05Sep2018	2.91m
AD DUQM	0956Z	05Sep2018	1.84m
AL JAZER	1000Z	05Sep2018	1.17m
MIRBAT	1000Z	05Sep2018	2.91m
RAS AR RUWAYS	1002Z	05Sep2018	2.19m
MASIRAH	1004Z	05Sep2018	1.15m
SALALAH	1008Z	05Sep2018	3.07m
TAQAH	1010Z	05Sep2018	3.92m
AL ASHKHARAH	1012Z	05Sep2018	0.87m
SUR	1018Z	05Sep2018	0.84m
MUSCAT	1040Z	05Sep2018	0.95m
SOHAR	1134Z	05Sep2018	0.54m
EAST MUSANDAM	1158Z	05Sep2018	1.25m
PAKISTAN			
ORMARA	1032Z	05Sep2018	1.09m
WINDER	1050Z	05Sep2018	1.84m
KARACHI	1110Z	05Sep2018	2.66m
SINDH	1408Z	05Sep2018	1.70m
SEYCHELLES			
FREGATE ISLAND	0906Z	05Sep2018	3.92m
COETIVY ISLAND	0910Z	05Sep2018	3.41m
TAKAMAKA	0924Z	05Sep2018	5.73m
ILE DESROCHES	0936Z	05Sep2018	3.21m
ALPHONSE ISLAND	0948Z	05Sep2018	1.80m
FARQUHAR GROUP	1006Z	05Sep2018	2.05m
ASTOVE ISLAND	1036Z	05Sep2018	1.84m
ALDABRA	1048Z	05Sep2018	2.38m
SOMALIA			
BANDER-BEYLA	1000Z	05Sep2018	5.63m
EYL	1006Z	05Sep2018	4.24m
TOOXIN	1006Z	05Sep2018	4.76m

IOC Technical Series, 138 (I) Supplement 2
page 100

JARIIBAN	1012Z	05Sep2018	4.46m
GALDOGOB	1012Z	05Sep2018	5.65m
XARARDHEERE	1016Z	05Sep2018	5.36m
CEEL DHEER	1018Z	05Sep2018	4.55m
MAREEG	1020Z	05Sep2018	4.70m
ABO	1020Z	05Sep2018	1.81m
ITALA	1020Z	05Sep2018	4.14m
UARSCIECH	1028Z	05Sep2018	4.52m
MUQDISHO	1032Z	05Sep2018	5.76m
BEYNAX BARRE	1042Z	05Sep2018	3.86m
BARAAWE	1044Z	05Sep2018	3.92m
TURDHO	1052Z	05Sep2018	3.45m
JILIB	1052Z	05Sep2018	2.47m
NE BEERNAASI	1058Z	05Sep2018	3.78m
KAAMBOONI	1106Z	05Sep2018	3.82m
QANDALA	1108Z	05Sep2018	0.58m
BOSASO	1124Z	05Sep2018	0.51m
SAYLAC	1238Z	05Sep2018	0.64m
LOYADO	1244Z	05Sep2018	0.70m
HADAAFTIMO	1424Z	05Sep2018	0.59m

SOUTH AFRICA

LAKE SIBAYI	1332Z	05Sep2018	3.12m
GWABALANDA HITAWI	1334Z	05Sep2018	2.75m
PORT DURNFORD	1334Z	05Sep2018	3.91m
KOSIMEER	1338Z	05Sep2018	2.79m
FUNK SEAMOUNT	1342Z	05Sep2018	6.82m
MANDI	1346Z	05Sep2018	3.72m
MARGATE	1346Z	05Sep2018	6.37m
BIZANA	1348Z	05Sep2018	4.11m
KELSO	1348Z	05Sep2018	4.66m
LUSIKISIKI	1350Z	05Sep2018	3.94m
PORT ST JOHNS	1350Z	05Sep2018	3.94m
ELLIOTDALE	1350Z	05Sep2018	3.94m
BATHURST	1350Z	05Sep2018	3.94m
PORT ELIZABETH	1350Z	05Sep2018	3.94m
HANKEY	1350Z	05Sep2018	3.94m
ABORETUM	1350Z	05Sep2018	3.30m
GEORGE	1350Z	05Sep2018	3.94m
BREDASDORP	1350Z	05Sep2018	3.94m
WILLOWVALE	1350Z	05Sep2018	3.94m
KENTANI	1350Z	05Sep2018	3.94m
MARSHSTRAND	1350Z	05Sep2018	3.94m
PEDDIE	1350Z	05Sep2018	3.94m
ALEXANDRIA	1350Z	05Sep2018	3.94m
HUMANSDORP	1350Z	05Sep2018	3.94m
MOSSEL	1350Z	05Sep2018	3.94m
HEIDELBERG	1350Z	05Sep2018	3.94m
NGQUELENI	1350Z	05Sep2018	3.94m
WITAAND	1350Z	05Sep2018	3.94m
GAMTOOS	1350Z	05Sep2018	3.94m
ZIKHOVA	1350Z	05Sep2018	3.94m
KAYSER'S BEACH	1350Z	05Sep2018	3.94m

SRI LANKA

OKANDA	0444Z	05Sep2018	9.34m
KIRINDA	0444Z	05Sep2018	8.09m
POTTUVIL	0444Z	05Sep2018	9.62m
AKKARAIPATTU	0444Z	05Sep2018	9.33m
BATTICALOA	0446Z	05Sep2018	9.51m
KATTANKUDI	0450Z	05Sep2018	8.33m
HAMBANTOTA	0450Z	05Sep2018	9.08m
ANAITIVU	0454Z	05Sep2018	9.23m
PANKULAM	0454Z	05Sep2018	7.14m
TANGALLE	0454Z	05Sep2018	6.76m
MATARA	0456Z	05Sep2018	6.46m
GALLE	0500Z	05Sep2018	6.46m
MULLAITTIVU	0500Z	05Sep2018	5.82m
CHUNDIKKULAM	0506Z	05Sep2018	5.96m
AMBALANGODA	0506Z	05Sep2018	4.16m
BERUWALA	0514Z	05Sep2018	3.79m
CHAVAKACHCHERI	0516Z	05Sep2018	3.24m
COLOMBO	0520Z	05Sep2018	3.13m
MORATUWA	0522Z	05Sep2018	5.72m
POINT PEDRO	0522Z	05Sep2018	3.23m
NEGOMBO	0530Z	05Sep2018	3.47m
MUNDAL LAKE	0534Z	05Sep2018	2.75m

MANNAR ISLAND	0544Z	05Sep2018	1.74m
MUSALI	0556Z	05Sep2018	1.40m
TANZANIA			
VUMBA	1128Z	05Sep2018	2.26m
VUMBI	1132Z	05Sep2018	2.33m
ZANZIBAR	1136Z	05Sep2018	2.53m
GAZIJA	1138Z	05Sep2018	2.10m
JIMBO	1140Z	05Sep2018	2.34m
KUTANI	1142Z	05Sep2018	3.65m
MADANGWA	1142Z	05Sep2018	1.92m
SONGO SONGO ISLAND	1144Z	05Sep2018	1.73m
RUVU	1144Z	05Sep2018	2.38m
BOMALANDNI	1150Z	05Sep2018	1.56m
WEST TO KONDE	1150Z	05Sep2018	2.03m
MSASANI	1150Z	05Sep2018	2.07m
BAGAMOYO	1152Z	05Sep2018	1.93m
THAILAND			
THAI MUEANG	0434Z	05Sep2018	6.19m
KO RACHA NOI	0444Z	05Sep2018	4.24m
KOH SURIN TAI	0504Z	05Sep2018	3.85m
KOH LANTA YAI	0518Z	05Sep2018	3.07m
KOH ROK	0528Z	05Sep2018	2.23m
THAI MUEANG_TAKUA PA	0530Z	05Sep2018	4.35m
KOH TARUTAO	0538Z	05Sep2018	2.40m
MUEANG SATUN	0538Z	05Sep2018	2.40m
TIMOR-LESTE			
BOBONARO	0826Z	05Sep2018	0.87m
PANTE MACASSAR	0826Z	05Sep2018	0.83m
LIQUICA	0834Z	05Sep2018	0.69m
UNITED ARAB EMIRATES			
KALBA	1136Z	05Sep2018	1.19m
UNITED KINGDOM			
MORESBY ISLAND	0628Z	05Sep2018	11.63m
DIEGO GARCIA	0630Z	05Sep2018	12.10m
NW EGMONT ISLAND	0650Z	05Sep2018	7.10m
YEMEN			
SOCOTRA ISLAND SOUTH	0942Z	05Sep2018	5.07m
SOCOTRA ISLAND NORTH	0958Z	05Sep2018	3.17m
SOCOTRA ISLAND WEST	1012Z	05Sep2018	1.45m
DAMQAWT	1012Z	05Sep2018	3.63m
AL GHAYDAH AIRPORT	1028Z	05Sep2018	2.74m
HUSWAYN	1034Z	05Sep2018	1.84m
ALQUMRAH	1042Z	05Sep2018	1.53m
HAMI	1106Z	05Sep2018	0.91m
AL MUKALLA	1108Z	05Sep2018	0.90m
MASILAH WADI	1108Z	05Sep2018	1.39m
BROM MAYFA	1110Z	05Sep2018	0.76m
HARRAH	1110Z	05Sep2018	1.27m
EAST TO HAMI	1112Z	05Sep2018	0.92m
RUDUM	1120Z	05Sep2018	0.70m
AHWAR	1134Z	05Sep2018	0.64m
KHANFAR	1158Z	05Sep2018	1.40m
MA'ALLAH	1244Z	05Sep2018	0.78m
QAWAH	1246Z	05Sep2018	0.76m
AL MUALLA	1306Z	05Sep2018	0.69m
ADEN	1550Z	05Sep2018	1.06m

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

#####

TSUNAMI BULLETIN NUMBER 13 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)
ISSUED AT 1232 UTC Wednesday 05 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: 9.3 Mwp
Depth: 10km
Date: 05 Sep 2018
Origin Time: 0300 UTC
Latitude: 3.30N
Longitude: 96.00E
Location: Northern Sumatra, Indonesia

2. EVALUATION

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

Sabang	INDONESIA	5.80N	95.33E	8.00m	05 Sep 03:25 UTC
Meulaboh	INDONESIA	4.17N	96.00E	8.00m	05 Sep 03:40 UTC
Telukdalam	INDONESIA	0.50N	97.83E	6.00m	05 Sep 03:45 UTC
Deep Ocean Buoy 23227	BAY OF BENGAL	6.26N	88.79E	0.46m	05 Sep 04:19 UTC
Seblat	INDONESIA	3.17S	101.50E	1.80m	05 Sep 04:20 UTC
Deep Ocean Buoy 23401	NICOBAR ISLAND	8.90N	88.50E	0.33m	05 Sep 04:24 UTC
Deep Ocean Buoy 23219	BAY OF BENGAL	10.58N	89.28E	0.33m	05 Sep 04:24 UTC
Sibolga	INDONESIA	1.67N	98.67E	4.00m	05 Sep 04:40 UTC
Cocos Island	AUSTRALIA	12.10S	96.89E	2.20m	05 Sep 04:45 UTC
Ko Taphao Noi	THAILAND	7.80N	98.42E	2.50m	05 Sep 04:50 UTC
Christmas Island	AUSTRALIA	10.40S	105.67E	0.75m	05 Sep 05:00 UTC
Port Blair	INDIA	11.70N	92.76E	1.20m	05 Sep 05:00 UTC
Nancowry	INDIA	8.10N	93.55E	5.40m	05 Sep 05:15 UTC
Padang	INDONESIA	1.00S	100.37E	2.00m	05 Sep 05:35 UTC
Trincomalee	SRI LANKA	8.67N	81.33E	1.40m	05 Sep 05:35 UTC
Pangandaran	INDONESIA	7.83S	108.50E	0.60m	05 Sep 06:35 UTC
Langkawi	MALAYSIA	6.50N	99.83E	2.50m	05 Sep 06:05 UTC
Cilacap	INDONESIA	7.80S	109.00E	0.50m	05 Sep 06:40 UTC
Sadeng	INDONESIA	8.33S	110.83E	0.50m	05 Sep 06:40 UTC
Gan	MALDIVES	0.70S	73.15E	2.00m	05 Sep 06:45 UTC
Male	MALDIVES	4.20N	73.53E	1.50m	05 Sep 06:55 UTC
Diego Garcia	UK	7.20S	72.43E	1.60m	05 Sep 06:55 UTC
Deep Ocean Buoy 56003	INDIAN OCEAN	15.02S	117.94E	0.09m	05 Sep 07:00 UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	4.10m	05 Sep 07:05 UTC
Point Murat	AUSTRALIA	21.80S	114.19E	3.20m	05 Sep 07:35 UTC
Cape Cuvier Wharf	AUSTRALIA	24.20S	113.40E	3.00m	05 Sep 08:05 UTC
Deep Ocean Buoy 56001	INDIAN OCEAN	13.99S	110.10E	0.14m	05 Sep 08:40 UTC
Kirinda	SRI LANKA	6.20N	81.32E	3.50m	05 Sep 09:10 UTC
Port Hedland	AUSTRALIA	20.00S	118.42E	2.00m	05 Sep 09:10 UTC
Rodrigues	MAURITIUS	19.70S	63.42E	1.60m	05 Sep 09:10 UTC
Gwadar	PAKISTAN	25.00N	62.00E	8.00m	05 Sep 09:35 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	3.40m	05 Sep 09:55 UTC
Chennai	INDIA	13.10N	80.30E	3.20m	05 Sep 10:00 UTC
Pointe des Galets	REUNION ISLAND	20.90S	55.28E	2.70m	05 Sep 10:10 UTC
Sainte Marie	REUNION	20.90S	55.54E	4.00m	05 Sep 10:10 UTC
Ormara	PAKISTAN	25.20N	64.07E	0.40m	05 Sep 10:50 UTC
Cochin	INDIA	10.00N	76.17E	1.25m	05 Sep 11:10 UTC
Muscat	OMAN	23.60N	58.57E	0.30m	05 Sep 11:20 UTC
Hillarys Harbor	AUSTRALIA	31.80S	115.74E	4.80m	05 Sep 11:20 UTC
Karachi	PAKISTAN	24.83N	66.83E	0.50m	05 Sep 11:40 UTC

IOC Technical Series, 138 (I) Supplement 2
page 104

Jask IRAN 25.60N 57.77E 0.60m 05 Sep 12:00 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			
COCOS ISLAND	0438Z	05Sep2018	2.55m
CHRISTMAS ISLAND	0446Z	05Sep2018	1.02m
NINGALOO COAST	0700Z	05Sep2018	2.78m
PILBARA COAST WEST	0734Z	05Sep2018	3.92m
GASCOYNE COAST	0746Z	05Sep2018	2.60m
GERALDTON COAST	0752Z	05Sep2018	3.95m
ASHMORE REEF	0806Z	05Sep2018	0.59m
PILBARA COAST EAST	0812Z	05Sep2018	2.09m
LANCELIN COAST	0818Z	05Sep2018	2.22m
PERTH COAST	0824Z	05Sep2018	2.51m
BUNBURY GEOGRAPHE COAST	0842Z	05Sep2018	3.15m
LEEUEWIN COAST	0854Z	05Sep2018	2.47m
WEST KIMBERLY COAST	0900Z	05Sep2018	1.89m
ALBANY COAST	0914Z	05Sep2018	1.73m
NORTH KIMBERLY COAST	0956Z	05Sep2018	1.41m
ESPERENCE COAST	1228Z	05Sep2018	0.95m
HEARD ISLAND AND MCDONALD ISLANDS	1230Z	05Sep2018	10.77m
AURORA BANK	1240Z	05Sep2018	4.45m
WEST COAST VIC	1516Z	05Sep2018	1.36m
BEAGLE BONAPARTE COAST	1844Z	05Sep2018	0.81m
EUCLA COAST	1918Z	05Sep2018	1.14m
SOUTH WEST COAST TAS	1958Z	05Sep2018	1.61m
CENTRAL WEST COAST TAS	2006Z	05Sep2018	1.62m
FAR NORTH WEST COAST TAS	2034Z	05Sep2018	0.93m
SOUTH CENTRAL COAST SA	2050Z	05Sep2018	1.09m
LOWER SOUTH EAST COAST SA	2058Z	05Sep2018	1.31m
UPPER WEST COAST SA	2132Z	05Sep2018	1.05m
LOWER WEST COAST SA	2152Z	05Sep2018	0.77m
CENTRAL COAST SA	2208Z	05Sep2018	0.74m
NORTH TIWI COAST	2224Z	05Sep2018	0.82m
FAR WEST COAST SA	2230Z	05Sep2018	1.02m
UPPER SOUTH EAST COAST SA	2232Z	05Sep2018	1.22m
CENTRAL COAST VIC	2304Z	05Sep2018	0.82m

BANGLADESH			
COXS BAZAR	0638Z	05Sep2018	3.08m
CHALNA	0642Z	05Sep2018	1.91m
KUTUBDIA ISLAND	0650Z	05Sep2018	3.74m
BARGUNA	0650Z	05Sep2018	3.74m

COMOROS			
DZAUDZI	1114Z	05Sep2018	0.96m
BAMBAAO	1116Z	05Sep2018	1.30m
CHEZANI	1120Z	05Sep2018	2.53m
FOMBONI	1122Z	05Sep2018	1.44m

DJIBOUTI			
NW ARTA	1240Z	05Sep2018	1.64m

MUHAMMAD ALI BIN FATHA SUMANA 1240Z 05Sep2018 1.39m

FRANCE

LLE SAINT-PAUL-NORTH	0920Z	05Sep2018	3.48m
LLE SAINT-PAUL-SOUTH	0932Z	05Sep2018	3.38m
SAINT-DENIS	0952Z	05Sep2018	3.93m
SAINT - JOSEPH	0952Z	05Sep2018	4.74m
ILE KERGUELEN	1148Z	05Sep2018	9.96m
NES CROZET	1204Z	05Sep2018	4.28m
ILE DE LA POSSESSION	1204Z	05Sep2018	4.72m
CROZET PLATEAU	1214Z	05Sep2018	6.31m

INDIA

INDIRA POINT	0316Z	05Sep2018	12.88m
KOMATRA & KATCHAL ISLAND	0326Z	05Sep2018	7.03m
CAR NICOBAR	0336Z	05Sep2018	4.76m
LITTLE ANDAMAN	0358Z	05Sep2018	3.24m
NORTH SENTINEL ISLAND	0406Z	05Sep2018	5.12m
PORT BLAIR	0422Z	05Sep2018	5.38m
HAVELOCK	0432Z	05Sep2018	6.62m
FLAT ISLAND	0432Z	05Sep2018	4.04m
WEST & LANDFALL ISLAND	0432Z	05Sep2018	3.03m
BARREN ISLAND	0434Z	05Sep2018	1.78m
RANGATH BAY	0440Z	05Sep2018	2.61m
NARCONDAM ISLAND	0450Z	05Sep2018	1.92m
DIGLIPUR	0452Z	05Sep2018	3.12m
MARAKKANAM	0520Z	05Sep2018	7.13m
CHENNAI	0522Z	05Sep2018	5.99m
CUDDALORE	0522Z	05Sep2018	4.93m
PUDUCHERRY	0522Z	05Sep2018	4.43m
MAHABALIPURAM	0522Z	05Sep2018	5.99m
MALLIPATTINAM	0526Z	05Sep2018	2.26m
POOMBUHAR	0526Z	05Sep2018	4.76m
KARAIKAL	0528Z	05Sep2018	3.37m
SRIHARIKOTA	0528Z	05Sep2018	4.35m
NAGAPATTINAM	0528Z	05Sep2018	3.56m
ENNORE	0530Z	05Sep2018	8.31m
MUTHUPET	0532Z	05Sep2018	2.00m
KAKINADA	0536Z	05Sep2018	3.02m
MACHILIPATNAM	0536Z	05Sep2018	4.09m
PERUPALEM	0540Z	05Sep2018	3.58m
NIJAMPATTANAM	0542Z	05Sep2018	3.10m
KOTTAPATNAM	0544Z	05Sep2018	3.92m
TUTICORIN	0544Z	05Sep2018	2.76m
VISAKHAPATNAM	0546Z	05Sep2018	3.71m
KONADA	0550Z	05Sep2018	2.99m
KALINGAPATNAM	0550Z	05Sep2018	4.54m
KOODANKULAM	0552Z	05Sep2018	3.92m
PARADIP	0554Z	05Sep2018	5.35m
RAMESWARAM	0554Z	05Sep2018	2.33m
PURI	0556Z	05Sep2018	4.45m
KOTTTAIPPATTANAM	0558Z	05Sep2018	1.59m
GOPALPUR	0602Z	05Sep2018	4.41m
KANYAKUMARI	0604Z	05Sep2018	3.92m
JAMBOO	0612Z	05Sep2018	4.11m
TRIVANDRUM	0618Z	05Sep2018	2.55m
QUILON	0620Z	05Sep2018	2.31m
MINICOY	0628Z	05Sep2018	1.68m
ALLEPPEY ALAPPUZHA	0634Z	05Sep2018	3.00m
ANDROTH	0640Z	05Sep2018	1.29m
HEMNAGAR	0642Z	05Sep2018	1.56m
DHAMRA	0646Z	05Sep2018	3.80m
NAMKHANA	0648Z	05Sep2018	2.05m
KAVARATTI	0652Z	05Sep2018	1.31m
DIGHA	0656Z	05Sep2018	2.59m
AMINI	0700Z	05Sep2018	1.18m
VADANAPPALLY	0700Z	05Sep2018	2.24m
COCHIN	0700Z	05Sep2018	2.44m
AGATTI	0702Z	05Sep2018	1.31m
CHANDIPUR	0702Z	05Sep2018	3.05m
VAKKAD	0710Z	05Sep2018	1.79m
BEYPORE	0724Z	05Sep2018	2.08m
KANNUR	0732Z	05Sep2018	2.80m
MAHE	0734Z	05Sep2018	2.26m
KASARAGOD	0738Z	05Sep2018	2.50m
MANGALORE	0800Z	05Sep2018	1.80m
UDUPI	0816Z	05Sep2018	1.91m

IOC Technical Series, 138 (I) Supplement 2
page 106

KARWAR	0848Z	05Sep2018	2.14m
MALVAN BAY	0854Z	05Sep2018	1.77m
VASCO	0900Z	05Sep2018	1.65m
PANAJI	0902Z	05Sep2018	1.65m
JAIGARH	0920Z	05Sep2018	1.36m
PORBANDAR	1222Z	05Sep2018	1.37m
DWARKA	1224Z	05Sep2018	1.77m
JAMNAGAR	1240Z	05Sep2018	1.36m
MANGROL	1244Z	05Sep2018	1.47m
HAZIRA, DIU	1254Z	05Sep2018	2.87m
TARAPUR	1354Z	05Sep2018	1.27m
MANDVI	1358Z	05Sep2018	1.72m
MAHUVA	1506Z	05Sep2018	1.07m
KHAMBAT	1526Z	05Sep2018	0.86m
BHARUCH	1536Z	05Sep2018	0.93m
ALIBAG PORT	1544Z	05Sep2018	1.49m
MUMBAI	1544Z	05Sep2018	1.49m
PIPAVAV	1712Z	05Sep2018	0.90m
DAMAN	1918Z	05Sep2018	0.94m
BORSI	1918Z	05Sep2018	0.94m
HAZIRA	1920Z	05Sep2018	0.95m
INDONESIA			
SUMUT NIAS B	0300Z	05Sep2018	27.56m
NAD SIMEULUE P.SIMEULUE	0300Z	05Sep2018	28.15m
SUMUT NIAS-SELATAN P.TANAHMASA	0300Z	05Sep2018	19.88m
GUNUNGSITOLI	0300Z	05Sep2018	10.99m
SUMUT NIAS-SELATAN P.NIAS	0300Z	05Sep2018	27.88m
SUMUT NIAS-SELATAN P.TANABALA	0300Z	05Sep2018	18.83m
NAD ACEH-SINGKIL KEP.BANYAK	0306Z	05Sep2018	19.61m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0312Z	05Sep2018	10.63m
NIAS	0314Z	05Sep2018	11.95m
NIAS-NORTH	0316Z	05Sep2018	10.97m
SOUTH OF BODAHAYIONE	0316Z	05Sep2018	10.16m
NAD ACEH-JAYA	0322Z	05Sep2018	49.69m
NAD ACEH-BESAR B	0322Z	05Sep2018	44.99m
NIAS-EAST	0324Z	05Sep2018	8.07m
NAD ACEH-BESAR P.PENASI	0324Z	05Sep2018	46.49m
NAD ACEH-BESAR P.BREUEH	0324Z	05Sep2018	47.77m
NAD KOTA-BANDA-ACEH	0326Z	05Sep2018	26.01m
NAD KOTA-SABANG P.WEH	0326Z	05Sep2018	26.05m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0326Z	05Sep2018	4.77m
NAD ACEH-SELATAN S	0328Z	05Sep2018	14.94m
MUARASIBERUT	0328Z	05Sep2018	4.36m
SUMUT MANDAILING-NATAL U	0328Z	05Sep2018	11.62m
NAD ACEH-SINGKIL	0330Z	05Sep2018	8.73m
NAD NAGAN-RAYA	0332Z	05Sep2018	22.56m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0332Z	05Sep2018	5.87m
NAD ACEH-BARAT	0332Z	05Sep2018	50.27m
NAD ACEH-SELATAN U	0334Z	05Sep2018	14.37m
NAD ACEH-BARAT-DAYA	0338Z	05Sep2018	24.30m
NAD ACEH-BESAR U	0342Z	05Sep2018	15.41m
SUMUT TAPANULI-TENGAH U	0344Z	05Sep2018	17.35m
NAD PIDIE	0346Z	05Sep2018	7.48m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0346Z	05Sep2018	12.91m
SAKUBO	0350Z	05Sep2018	2.24m
SUMUT TAPANULI-SELATAN	0352Z	05Sep2018	15.34m
SUMBAR KOTA-PADANG U	0356Z	05Sep2018	6.91m
SUMUT TAPANULI-TENGAH S	0356Z	05Sep2018	11.86m
NAD BIREUEN	0358Z	05Sep2018	7.43m
MUARASIGEP	0400Z	05Sep2018	2.32m
SUMBAR PESISIR-SELATAN U	0400Z	05Sep2018	2.40m
SUMBAR PADANG-PARIAMAN U	0400Z	05Sep2018	2.19m
SUMBAR AGAM	0400Z	05Sep2018	3.89m
SUMBAR KOTA-PARIAMAN	0400Z	05Sep2018	2.26m
SUMBAR KOTA-PADANG S	0402Z	05Sep2018	2.29m
SUMUT MANDAILING-NATAL S	0402Z	05Sep2018	6.93m
SUMBAR KOTA-PADANG U	0402Z	05Sep2018	2.65m
SUMBAR PADANG-PARIAMAN S	0402Z	05Sep2018	2.16m
BENGKULU BENGKULU-UTARA P.ENGGANO	0404Z	05Sep2018	2.29m
NAD ACEH-UTARA B	0406Z	05Sep2018	7.43m
NAD KOTA-LHOKSEMAWE	0408Z	05Sep2018	5.44m
MURASAIBI	0410Z	05Sep2018	2.14m
BENGKULU BENGKULU-UTARA U	0412Z	05Sep2018	1.85m
SUMBAR PESISIR-SELATAN S	0412Z	05Sep2018	2.31m
BENGKULU MUKOMUKO	0414Z	05Sep2018	2.05m
NAD ACEH-UTARA T	0416Z	05Sep2018	5.03m

BENGKULU BENGKULU-SELATAN	0422Z	05Sep2018	2.11m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0422Z	05Sep2018	2.62m
BENGKULU SELUMA	0422Z	05Sep2018	2.28m
BENGKULU BENGKULU-UTARA S	0424Z	05Sep2018	3.03m
BENGKULU KAUR	0424Z	05Sep2018	1.94m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0432Z	05Sep2018	2.32m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0434Z	05Sep2018	2.22m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0434Z	05Sep2018	2.24m
LAMPUNG TANGGAMUS B	0438Z	05Sep2018	2.09m
NAD ACEH-TIMUR	0440Z	05Sep2018	3.27m
BANTEN PANDEGLANG P.PANAITAN	0442Z	05Sep2018	1.43m
BANTEN PANDEGLANG S	0444Z	05Sep2018	1.34m
BANTEN LEBAK	0452Z	05Sep2018	2.08m
JABAR SUKABUMI UJUNG-GENTENG	0454Z	05Sep2018	1.39m
JABAR SUKABUMI PELABUHAN-RATU	0454Z	05Sep2018	6.99m
LAMPUNG TANGGAMUS T	0454Z	05Sep2018	3.30m
BANTEN KOTA-CILEGON P.SANGIANG	0456Z	05Sep2018	2.12m
BANTEN SERANG B	0456Z	05Sep2018	2.12m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0456Z	05Sep2018	2.00m
LAMPUNG TANGGAMUS P.TABUAN	0456Z	05Sep2018	1.27m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0456Z	05Sep2018	2.12m
JABAR CIANJUR SINDANGBARANG	0500Z	05Sep2018	1.74m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0502Z	05Sep2018	4.23m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0506Z	05Sep2018	2.00m
LAMPUNG LAMPUNG-SELATAN B	0506Z	05Sep2018	2.00m
JABAR GARUT	0508Z	05Sep2018	1.87m
JABAR TASIKMALAYA	0512Z	05Sep2018	1.96m
BANTEN PANDEGLANG U	0514Z	05Sep2018	2.90m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0526Z	05Sep2018	2.64m
JABAR CIAMIS	0528Z	05Sep2018	2.22m
JATENG PURWOREJO	0538Z	05Sep2018	2.36m
JATENG KEBUMEN	0538Z	05Sep2018	1.91m
NAD KOTA-LANGSA	0538Z	05Sep2018	1.31m
JATENG CILACAP	0542Z	05Sep2018	2.72m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0542Z	05Sep2018	3.36m
DIY KULON-PROGO	0544Z	05Sep2018	1.80m
DIY BANTUL	0544Z	05Sep2018	2.18m
DIY GUNUNG-KIDUL	0546Z	05Sep2018	2.23m
JATENG WONOGIRI	0552Z	05Sep2018	1.22m
JATIM PACITAN	0554Z	05Sep2018	1.99m
JATIM TRENGGALEK	0556Z	05Sep2018	1.99m
NAD ACEH-TAMIANG	0602Z	05Sep2018	1.35m
JATIM BLITAR	0606Z	05Sep2018	1.21m
JATIM MALANG	0606Z	05Sep2018	1.11m
JATIM TULUNGAGUNG	0612Z	05Sep2018	1.10m
JATIM JEMBER P.NUSABARUNG	0616Z	05Sep2018	0.87m
JATIM BANYUWANGI S	0618Z	05Sep2018	1.10m
JATIM JEMBER	0620Z	05Sep2018	1.13m
JATIM LUMAJANG	0624Z	05Sep2018	1.54m
BALI BADUNG PANTAI-KUTA	0630Z	05Sep2018	1.03m
BALI DENPASAR PANTAI-SANUR	0632Z	05Sep2018	0.75m
BALI TABANAN	0632Z	05Sep2018	1.42m
BALI KLUNGKUNG P.NUSAPENIDA	0634Z	05Sep2018	0.76m
NTB LOMBOK-TENGAH	0638Z	05Sep2018	0.93m
NTB LOMBOK-TIMUR S	0642Z	05Sep2018	1.07m
NTB SUMBAWA B	0644Z	05Sep2018	0.77m
SUMUT LANGKAT	0644Z	05Sep2018	1.42m
NTT SUMBA B	0706Z	05Sep2018	1.46m
NTB KOTA-BIMA S	0706Z	05Sep2018	1.03m
NTB SUMBAWA S	0706Z	05Sep2018	1.09m
NTB DOMPU S	0708Z	05Sep2018	0.75m
NTT SUMBA T	0712Z	05Sep2018	0.90m
BELAWAN	0712Z	05Sep2018	1.59m
NTT MANGGARAI-BARAT P.	0722Z	05Sep2018	1.11m
NTT MANGGARAI-BARAT S	0736Z	05Sep2018	1.40m
SUMUT DELISERDANG	0740Z	05Sep2018	1.47m
SUMUT ASAHAN	0742Z	05Sep2018	1.10m
SUMUT SERDANG-BEDAGAI	0746Z	05Sep2018	1.53m
NTT MANGGARAI S	0752Z	05Sep2018	0.94m
NTT NGADA S	0754Z	05Sep2018	0.76m
NTT KUPANG	0756Z	05Sep2018	0.76m
NTT ENDE S	0806Z	05Sep2018	0.61m
NTT SIKKA S	0812Z	05Sep2018	0.79m
NTT LEMBATA S	0814Z	05Sep2018	0.91m
NTT ROTENDAO	0816Z	05Sep2018	0.67m
NTT FLORES-TIMUR S	0816Z	05Sep2018	0.78m
NTT FLORES-TIMUR P.SOLOR	0816Z	05Sep2018	0.81m

IOC Technical Series, 138 (I) Supplement 2
page 108

NTT ALOR S	0816Z	05Sep2018	0.91m
NTT BELU U	0822Z	05Sep2018	1.07m
PANTE MACASSAR	0822Z	05Sep2018	0.90m
NTT KOTA-KUPANG	0826Z	05Sep2018	0.63m
LABUHAN BATU	1022Z	05Sep2018	0.70m
ROKAN HILIR	1102Z	05Sep2018	0.72m
DUMAI	0252Z	06Sep2018	0.64m

IRAN			
PUSHT	1042Z	05Sep2018	1.45m
BIR	1100Z	05Sep2018	1.00m
MISKI	1214Z	05Sep2018	1.31m

KENYA			
KIWAYU	1108Z	05Sep2018	2.97m
KIPINI	1132Z	05Sep2018	2.22m
MVULENI	1132Z	05Sep2018	2.12m
MALINDI	1134Z	05Sep2018	3.17m
TAKAUNGU	1136Z	05Sep2018	2.99m
KISIMACHANDE	1140Z	05Sep2018	2.45m

MADAGASCAR			
VOHEMAR	1024Z	05Sep2018	2.95m
ANOROTSANGANA	1026Z	05Sep2018	2.56m
TOAMASINA AIRPORT	1038Z	05Sep2018	4.32m
TAMPOLO	1044Z	05Sep2018	4.56m
GLORIOSO ISLANDS	1048Z	05Sep2018	0.95m
AMBAHY	1052Z	05Sep2018	10.43m
FARAFAGANA	1102Z	05Sep2018	8.79m
MANANTENINA	1104Z	05Sep2018	7.59m
AMBANJA	1124Z	05Sep2018	1.11m
BALY	1138Z	05Sep2018	2.07m
TAMOTAMO	1144Z	05Sep2018	1.14m
SAMPONA	1146Z	05Sep2018	5.56m
ANDROKA	1200Z	05Sep2018	2.95m
EUROPA ISLAND	1244Z	05Sep2018	1.03m
MANJA	1318Z	05Sep2018	1.19m

MALAYSIA			
SATUN	0638Z	05Sep2018	1.49m
YAN	0644Z	05Sep2018	1.15m
WEST OF ALOR SETAR	0702Z	05Sep2018	1.97m
KUALA MUDA	0702Z	05Sep2018	1.97m
SEBERANG PERAI SELATAN	0708Z	05Sep2018	1.57m
SEBERANG PERAI UTARA & BARAT DAYA	0720Z	05Sep2018	1.81m
KERIAN	0734Z	05Sep2018	1.50m
LARUT AND MATANG	0742Z	05Sep2018	1.55m
MANJUNG	0748Z	05Sep2018	1.54m
HILIR PERAK	0818Z	05Sep2018	1.02m
SABAK BERNAM	0906Z	05Sep2018	1.02m
KUALA SELANGOR	0958Z	05Sep2018	1.25m
KUALA LANGAT	0200Z	06Sep2018	0.78m
SEPANG	0250Z	06Sep2018	0.67m

MALDIVES			
THINADHOO	0604Z	05Sep2018	8.28m
KOLHUFUSHI	0604Z	05Sep2018	6.58m
DHIYAMIGILI	0606Z	05Sep2018	10.26m
MALE	0606Z	05Sep2018	7.08m
KULHUDUFFUSHI	0608Z	05Sep2018	4.39m
HITHADHOO	0610Z	05Sep2018	7.96m
GOIDHOO	0622Z	05Sep2018	4.75m
NILANDHOO	0626Z	05Sep2018	12.08m
FERIDHOO	0634Z	05Sep2018	4.79m

MAURITIUS			
LA FERME	0838Z	05Sep2018	9.73m
CARGADOS CARAJOS	0910Z	05Sep2018	13.58m
AGALEGA ISLAND	0920Z	05Sep2018	3.36m
GRANDE REVIERE SUD EST-EAST	0924Z	05Sep2018	5.87m
GRANDE REVIERE SUD EST-WEST	0940Z	05Sep2018	4.21m

MOZAMBIQUE			
MAGANJA	1142Z	05Sep2018	3.01m
MERONVI	1150Z	05Sep2018	2.50m
QUITERAJO	1154Z	05Sep2018	1.44m
TAVARI	1158Z	05Sep2018	1.46m

PEMBA	1158Z	05Sep2018	2.06m
MURREBUE	1200Z	05Sep2018	1.90m
MECUFI	1202Z	05Sep2018	1.73m
LURIO	1204Z	05Sep2018	1.88m
NANGATA	1206Z	05Sep2018	1.52m
LUMBO	1208Z	05Sep2018	1.12m
MINHAUINE	1208Z	05Sep2018	1.72m
MOGINCUAL	1218Z	05Sep2018	1.05m
NAMORRE	1242Z	05Sep2018	0.96m
INHARRIME	1316Z	05Sep2018	2.74m
POMENE	1326Z	05Sep2018	1.65m
VILANKULO	1328Z	05Sep2018	1.67m
MAGUEMBA	1330Z	05Sep2018	1.98m
INHASSORO	1342Z	05Sep2018	1.35m
MOEBASE	1344Z	05Sep2018	1.13m
ZAVALA	1344Z	05Sep2018	1.91m
OCONE	1348Z	05Sep2018	1.17m
MAPUTO	1348Z	05Sep2018	2.80m
VILA DO CHINDE	1348Z	05Sep2018	1.17m
XAI-XAI	1350Z	05Sep2018	4.22m
AMADE	1352Z	05Sep2018	1.11m
MALUANA	1354Z	05Sep2018	2.63m
NHANGAU	1404Z	05Sep2018	0.95m
MAIONGUE	1420Z	05Sep2018	1.82m
NOVA LUSITANIA	1422Z	05Sep2018	1.88m

MYANMAR			
LITTLE COCO ISLAND	0454Z	05Sep2018	2.13m
THAN KYUN	0502Z	05Sep2018	2.98m
GREAT WESTERN TORRES ISLAND	0504Z	05Sep2018	2.38m
PREPARIS ISLAND	0508Z	05Sep2018	2.33m
LORD LOUGHBOROUGH ISLAND	0510Z	05Sep2018	2.38m
KYWEGYAUNG	0540Z	05Sep2018	2.20m
CHEDUBA ISLAND	0540Z	05Sep2018	2.56m
MAWYEN	0548Z	05Sep2018	3.62m
SITTWE	0610Z	05Sep2018	3.73m
THAWINCHAUNG	0612Z	05Sep2018	2.57m
KYAUKPYU	0616Z	05Sep2018	2.28m
MALI KYUN	0620Z	05Sep2018	1.60m
PHARPON	0636Z	05Sep2018	2.28m
MAGYIGYAING	0646Z	05Sep2018	2.90m
YE	0652Z	05Sep2018	1.75m
YANGON-S	0658Z	05Sep2018	1.10m

OMAN			
HASIK	0952Z	05Sep2018	2.91m
AD DUQM	0956Z	05Sep2018	1.84m
AL JAZER	1000Z	05Sep2018	1.17m
MIRBAT	1000Z	05Sep2018	2.91m
RAS AR RUWAYS	1002Z	05Sep2018	2.19m
MASIRAH	1004Z	05Sep2018	1.15m
SALALAH	1008Z	05Sep2018	3.07m
TAQAH	1010Z	05Sep2018	3.92m
AL ASHKHARAH	1012Z	05Sep2018	0.87m
SUR	1018Z	05Sep2018	0.84m
MUSCAT	1040Z	05Sep2018	0.95m
SOHAR	1134Z	05Sep2018	0.54m
EAST MUSANDAM	1158Z	05Sep2018	1.25m

PAKISTAN			
ORMARA	1032Z	05Sep2018	1.09m
WINDER	1050Z	05Sep2018	1.84m
KARACHI	1110Z	05Sep2018	2.66m
SINDH	1408Z	05Sep2018	1.70m

SEYCHELLES			
FREGATE ISLAND	0906Z	05Sep2018	3.92m
COETIVY ISLAND	0910Z	05Sep2018	3.41m
TAKAMAKA	0924Z	05Sep2018	5.73m
ILE DESROCHES	0936Z	05Sep2018	3.21m
ALPHONSE ISLAND	0948Z	05Sep2018	1.80m
FARQUHAR GROUP	1006Z	05Sep2018	2.05m
ASTOVE ISLAND	1036Z	05Sep2018	1.84m
ALDABRA	1048Z	05Sep2018	2.38m

SOMALIA			
BANDER-BEYLA	1000Z	05Sep2018	5.63m

IOC Technical Series, 138 (I) Supplement 2
page 110

EYL	1006Z	05Sep2018	4.24m
TOOXIN	1006Z	05Sep2018	4.76m
JARIIBAN	1012Z	05Sep2018	4.46m
GALDOGOB	1012Z	05Sep2018	5.65m
XARARDHEERE	1016Z	05Sep2018	5.36m
CEEL DHEER	1018Z	05Sep2018	4.55m
MAREEG	1020Z	05Sep2018	4.70m
ABO	1020Z	05Sep2018	1.81m
ITALA	1020Z	05Sep2018	4.14m
UARSCIECH	1028Z	05Sep2018	4.52m
MUQDISHO	1032Z	05Sep2018	5.76m
BEYNAX BARRE	1042Z	05Sep2018	3.86m
BARAAWE	1044Z	05Sep2018	3.92m
TURDHO	1052Z	05Sep2018	3.45m
JILIB	1052Z	05Sep2018	2.47m
NE BEERNAASI	1058Z	05Sep2018	3.78m
KAAMBOONI	1106Z	05Sep2018	3.82m
QANDALA	1108Z	05Sep2018	0.58m
BOSASO	1124Z	05Sep2018	0.51m
SAYLAC	1238Z	05Sep2018	0.64m
LOYADO	1244Z	05Sep2018	0.70m
HADAAFTIMO	1424Z	05Sep2018	0.59m

SOUTH AFRICA

LAKE SIBAYI	1332Z	05Sep2018	3.12m
GWABALANDA HITAWI	1334Z	05Sep2018	2.75m
PORT DURNFORD	1334Z	05Sep2018	3.91m
KOSIMEER	1338Z	05Sep2018	2.79m
FUNK SEAMOUNT	1342Z	05Sep2018	6.82m
MANDI	1346Z	05Sep2018	3.72m
MARGATE	1346Z	05Sep2018	6.37m
BIZANA	1348Z	05Sep2018	4.11m
KELSO	1348Z	05Sep2018	4.66m
LUSIKISIKI	1350Z	05Sep2018	3.94m
PORT ST JOHNS	1350Z	05Sep2018	3.94m
ELLIOTDALE	1350Z	05Sep2018	3.94m
BATHURST	1350Z	05Sep2018	3.94m
PORT ELIZABETH	1350Z	05Sep2018	3.94m
HANKEY	1350Z	05Sep2018	3.94m
ABORETUM	1350Z	05Sep2018	3.30m
GEORGE	1350Z	05Sep2018	3.94m
BREDASDORP	1350Z	05Sep2018	3.94m
WILLOWVALE	1350Z	05Sep2018	3.94m
KENTANI	1350Z	05Sep2018	3.94m
MARSHSTRAND	1350Z	05Sep2018	3.94m
PEDDIE	1350Z	05Sep2018	3.94m
ALEXANDRIA	1350Z	05Sep2018	3.94m
HUMANSDORP	1350Z	05Sep2018	3.94m
MOSSEL	1350Z	05Sep2018	3.94m
HEIDELBERG	1350Z	05Sep2018	3.94m
NGQUELENI	1350Z	05Sep2018	3.94m
WITAAND	1350Z	05Sep2018	3.94m
GAMTOOS	1350Z	05Sep2018	3.94m
ZIKHOVA	1350Z	05Sep2018	3.94m
KAYSER'S BEACH	1350Z	05Sep2018	3.94m

SRI LANKA

OKANDA	0444Z	05Sep2018	9.34m
KIRINDA	0444Z	05Sep2018	8.09m
POTTUVIL	0444Z	05Sep2018	9.62m
AKKARAIPATTU	0444Z	05Sep2018	9.33m
BATTICALOA	0446Z	05Sep2018	9.51m
KATTANKUDI	0450Z	05Sep2018	8.33m
HAMBANTOTA	0450Z	05Sep2018	9.08m
ANAITIVU	0454Z	05Sep2018	9.23m
PANKULAM	0454Z	05Sep2018	7.14m
TANGALLE	0454Z	05Sep2018	6.76m
MATARA	0456Z	05Sep2018	6.46m
GALLE	0500Z	05Sep2018	6.46m
MULLAITTIVU	0500Z	05Sep2018	5.82m
CHUNDIKKULAM	0506Z	05Sep2018	5.96m
AMBALANGODA	0506Z	05Sep2018	4.16m
BERUWALA	0514Z	05Sep2018	3.79m
CHAVAKACHCHERI	0516Z	05Sep2018	3.24m
COLOMBO	0520Z	05Sep2018	3.13m
MORATUWA	0522Z	05Sep2018	5.72m
POINT PEDRO	0522Z	05Sep2018	3.23m

NEGOMBO	0530Z	05Sep2018	3.47m
MUNDAL LAKE	0534Z	05Sep2018	2.75m
MANNAR ISLAND	0544Z	05Sep2018	1.74m
MUSALI	0556Z	05Sep2018	1.40m
TANZANIA			
VUMBA	1128Z	05Sep2018	2.26m
VUMBI	1132Z	05Sep2018	2.33m
ZANZIBAR	1136Z	05Sep2018	2.53m
GAZIJA	1138Z	05Sep2018	2.10m
JIMBO	1140Z	05Sep2018	2.34m
KUTANI	1142Z	05Sep2018	3.65m
MADANGWA	1142Z	05Sep2018	1.92m
SONGO SONGO ISLAND	1144Z	05Sep2018	1.73m
RUVU	1144Z	05Sep2018	2.38m
BOMALANDNI	1150Z	05Sep2018	1.56m
WEST TO KONDE	1150Z	05Sep2018	2.03m
MSASANI	1150Z	05Sep2018	2.07m
BAGAMOYO	1152Z	05Sep2018	1.93m
THAILAND			
THAI MUEANG	0434Z	05Sep2018	6.19m
KO RACHA NOI	0444Z	05Sep2018	4.24m
KOH SURIN TAI	0504Z	05Sep2018	3.85m
KOH LANTA YAI	0518Z	05Sep2018	3.07m
KOH ROK	0528Z	05Sep2018	2.23m
THAI MUEANG_TAKUA PA	0530Z	05Sep2018	4.35m
KOH TARUTAO	0538Z	05Sep2018	2.40m
MUEANG SATUN	0538Z	05Sep2018	2.40m
TIMOR-LESTE			
BOBONARO	0826Z	05Sep2018	0.87m
PANTE MACASSAR	0826Z	05Sep2018	0.83m
LIQUICA	0834Z	05Sep2018	0.69m
UNITED ARAB EMIRATES			
KALBA	1136Z	05Sep2018	1.19m
UNITED KINGDOM			
MORESBY ISLAND	0628Z	05Sep2018	11.63m
DIEGO GARCIA	0630Z	05Sep2018	12.10m
NW EGMONT ISLAND	0650Z	05Sep2018	7.10m
YEMEN			
SOCOTRA ISLAND SOUTH	0942Z	05Sep2018	5.07m
SOCOTRA ISLAND NORTH	0958Z	05Sep2018	3.17m
SOCOTRA ISLAND WEST	1012Z	05Sep2018	1.45m
DAMQAWT	1012Z	05Sep2018	3.63m
AL GHAYDAH AIRPORT	1028Z	05Sep2018	2.74m
HUSWAYN	1034Z	05Sep2018	1.84m
ALQUMRAH	1042Z	05Sep2018	1.53m
HAMI	1106Z	05Sep2018	0.91m
AL MUKALLA	1108Z	05Sep2018	0.90m
MASILAH WADI	1108Z	05Sep2018	1.39m
BROM MAYFA	1110Z	05Sep2018	0.76m
HARRAH	1110Z	05Sep2018	1.27m
EAST TO HAMI	1112Z	05Sep2018	0.92m
RUDUM	1120Z	05Sep2018	0.70m
AHWAR	1134Z	05Sep2018	0.64m
KHANFAR	1158Z	05Sep2018	1.40m
MA'ALLAH	1244Z	05Sep2018	0.78m
QAWAH	1246Z	05Sep2018	0.76m
AL MUALLA	1306Z	05Sep2018	0.69m
ADEN	1550Z	05Sep2018	1.06m

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 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 1332 UTC Wednesday 05 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: 9.3 Mwp
Depth: 10km
Date: 05 Sep 2018
Origin Time: 0300 UTC
Latitude: 3.30N
Longitude: 96.00E
Location: Northern Sumatra, Indonesia

2. EVALUATION

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

Sabang	INDONESIA	5.80N	95.33E	8.00m	05 Sep 03:25 UTC
Meulaboh	INDONESIA	4.17N	96.00E	8.00m	05 Sep 03:40 UTC
Telukdalam	INDONESIA	0.50N	97.83E	6.00m	05 Sep 03:45 UTC
Deep Ocean Buoy 23227	BAY OF BENGAL	6.26N	88.79E	0.46m	05 Sep 04:19 UTC
Seblat	INDONESIA	3.17S	101.50E	1.80m	05 Sep 04:20 UTC
Deep Ocean Buoy 23401	NICOBAR ISLAND	8.90N	88.50E	0.33m	05 Sep 04:24 UTC
Deep Ocean Buoy 23219	BAY OF BENGAL	10.58N	89.28E	0.33m	05 Sep 04:24 UTC
Sibolga	INDONESIA	1.67N	98.67E	4.00m	05 Sep 04:40 UTC
Cocos Island	AUSTRALIA	12.10S	96.89E	2.20m	05 Sep 04:45 UTC
Ko Taphao Noi	THAILAND	7.80N	98.42E	2.50m	05 Sep 04:50 UTC
Christmas Island	AUSTRALIA	10.40S	105.67E	0.75m	05 Sep 05:00 UTC
Port Blair	INDIA	11.70N	92.76E	1.20m	05 Sep 05:00 UTC
Nancowry	INDIA	8.10N	93.55E	5.40m	05 Sep 05:15 UTC
Padang	INDONESIA	1.00S	100.37E	2.00m	05 Sep 05:35 UTC
Trincomalee	SRI LANKA	8.67N	81.33E	1.40m	05 Sep 05:35 UTC
Pangandaran	INDONESIA	7.83S	108.50E	0.60m	05 Sep 06:35 UTC
Langkawi	MALAYSIA	6.50N	99.83E	2.50m	05 Sep 06:05 UTC
Cilacap	INDONESIA	7.80S	109.00E	0.50m	05 Sep 06:40 UTC
Sadeng	INDONESIA	8.33S	110.83E	0.50m	05 Sep 06:40 UTC
Gan	MALDIVES	0.70S	73.15E	2.00m	05 Sep 06:45 UTC
Male	MALDIVES	4.20N	73.53E	1.50m	05 Sep 06:55 UTC
Diego Garcia	UK	7.20S	72.43E	1.60m	05 Sep 06:55 UTC
Deep Ocean Buoy 56003	INDIAN OCEAN	15.02S	117.94E	0.09m	05 Sep 07:00 UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	4.10m	05 Sep 07:05 UTC
Point Murat	AUSTRALIA	21.80S	114.19E	3.20m	05 Sep 07:35 UTC
Cape Cuvier Wharf	AUSTRALIA	24.20S	113.40E	3.00m	05 Sep 08:05 UTC
Deep Ocean Buoy 56001	INDIAN OCEAN	13.99S	110.10E	0.14m	05 Sep 08:40 UTC
Kirinda	SRI LANKA	6.20N	81.32E	3.50m	05 Sep 09:10 UTC
Port Hedland	AUSTRALIA	20.00S	118.42E	2.00m	05 Sep 09:10 UTC
Rodrigues	MAURITIUS	19.70S	63.42E	1.60m	05 Sep 09:10 UTC
Gwadar	PAKISTAN	25.00N	62.00E	8.00m	05 Sep 09:35 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	3.40m	05 Sep 09:55 UTC
Chennai	INDIA	13.10N	80.30E	3.20m	05 Sep 10:00 UTC
Pointe des Galets	REUNION ISLAND	20.90S	55.28E	2.70m	05 Sep 10:10 UTC
Sainte Marie	REUNION	20.90S	55.54E	4.00m	05 Sep 10:10 UTC
Ormara	PAKISTAN	25.20N	64.07E	0.40m	05 Sep 10:50 UTC
Cochin	INDIA	10.00N	76.17E	1.25m	05 Sep 11:10 UTC
Muscat	OMAN	23.60N	58.57E	0.30m	05 Sep 11:20 UTC
Hillarys Harbor	AUSTRALIA	31.80S	115.74E	4.80m	05 Sep 11:20 UTC
Karachi	PAKISTAN	24.83N	66.83E	0.50m	05 Sep 11:40 UTC

IOC Technical Series, 138 (I) Supplement 2
page 114

Jask	IRAN	25.60N	57.77E	0.60m	05 Sep 12:00 UTC
Portland	AUSTRALIA	38.30S	141.61E	0.50m	05 Sep 12:30 UTC
Broome	AUSTRALIA	18.00S	122.22E	4.40m	05 Sep 13:00 UTC
Esperance	AUSTRALIA	33.83S	122.00E	0.90m	05 Sep 13:00 UTC
Denis Island	SEYCHELLES	3.80S	55.67E	2.00m	05 Sep 13:10 UTC
Maria Island	AUSTRALIA	42.60S	148.06E	0.15m	05 Sep 13:10 UTC
Darlington	AUSTRALIA	42.60S	148.06E	0.15m	05 Sep 13:10 UTC
Southport Jetty	AUSTRALIA	43.50S	147.00E	0.50m	05 Sep 13:15 UTC
Spring Bay	AUSTRALIA	42.50S	147.93E	0.15m	05 Sep 13:15 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				
COCOS ISLAND	0438Z	05Sep2018	2.55m	
CHRISTMAS ISLAND	0446Z	05Sep2018	1.02m	
NINGALOO COAST	0700Z	05Sep2018	2.78m	
PILBARA COAST WEST	0734Z	05Sep2018	3.92m	
GASCOYNE COAST	0746Z	05Sep2018	2.60m	
GERALDTON COAST	0752Z	05Sep2018	3.95m	
ASHMORE REEF	0806Z	05Sep2018	0.59m	
PILBARA COAST EAST	0812Z	05Sep2018	2.09m	
LANCELIN COAST	0818Z	05Sep2018	2.22m	
PERTH COAST	0824Z	05Sep2018	2.51m	
BUNBURY GEOGRAPHE COAST	0842Z	05Sep2018	3.15m	
LEEUEWIN COAST	0854Z	05Sep2018	2.47m	
WEST KIMBERLY COAST	0900Z	05Sep2018	1.89m	
ALBANY COAST	0914Z	05Sep2018	1.73m	
NORTH KIMBERLY COAST	0956Z	05Sep2018	1.41m	
ESPERENCE COAST	1228Z	05Sep2018	0.95m	
HEARD ISLAND AND MCDONALD ISLANDS	1230Z	05Sep2018	10.77m	
AURORA BANK	1240Z	05Sep2018	4.45m	
WEST COAST VIC	1516Z	05Sep2018	1.36m	
BEAGLE BONAPARTE COAST	1844Z	05Sep2018	0.81m	
EUCLA COAST	1918Z	05Sep2018	1.14m	
SOUTH WEST COAST TAS	1958Z	05Sep2018	1.61m	
CENTRAL WEST COAST TAS	2006Z	05Sep2018	1.62m	
FAR NORTH WEST COAST TAS	2034Z	05Sep2018	0.93m	
SOUTH CENTRAL COAST SA	2050Z	05Sep2018	1.09m	
LOWER SOUTH EAST COAST SA	2058Z	05Sep2018	1.31m	
UPPER WEST COAST SA	2132Z	05Sep2018	1.05m	
LOWER WEST COAST SA	2152Z	05Sep2018	0.77m	
CENTRAL COAST SA	2208Z	05Sep2018	0.74m	
NORTH TIWI COAST	2224Z	05Sep2018	0.82m	
FAR WEST COAST SA	2230Z	05Sep2018	1.02m	
UPPER SOUTH EAST COAST SA	2232Z	05Sep2018	1.22m	
CENTRAL COAST VIC	2304Z	05Sep2018	0.82m	

BANGLADESH				
COXS BAZAR	0638Z	05Sep2018	3.08m	
CHALNA	0642Z	05Sep2018	1.91m	
KUTUBDIA ISLAND	0650Z	05Sep2018	3.74m	
BARGUNA	0650Z	05Sep2018	3.74m	

COMOROS

DZAOUDZI	1114Z	05Sep2018	0.96m
BAMBAO	1116Z	05Sep2018	1.30m
CHEZANI	1120Z	05Sep2018	2.53m
FOMBONI	1122Z	05Sep2018	1.44m

DJIBOUTI

NW ARTA	1240Z	05Sep2018	1.64m
MUHAMMAD ALI BIN FATHA SUMANA	1240Z	05Sep2018	1.39m

FRANCE

LLE SAINT-PAUL-NORTH	0920Z	05Sep2018	3.48m
LLE SAINT-PAUL-SOUTH	0932Z	05Sep2018	3.38m
SAINT-DENIS	0952Z	05Sep2018	3.93m
SAINT - JOSEPH	0952Z	05Sep2018	4.74m
ILE KERGUELEN	1148Z	05Sep2018	9.96m
NES CROZET	1204Z	05Sep2018	4.28m
ILE DE LA POSSESSION	1204Z	05Sep2018	4.72m
CROZET PLATEAU	1214Z	05Sep2018	6.31m

INDIA

INDIRA POINT	0316Z	05Sep2018	12.88m
KOMATRA & KATCHAL ISLAND	0326Z	05Sep2018	7.03m
CAR NICOBAR	0336Z	05Sep2018	4.76m
LITTLE ANDAMAN	0358Z	05Sep2018	3.24m
NORTH SENTINEL ISLAND	0406Z	05Sep2018	5.12m
PORT BLAIR	0422Z	05Sep2018	5.38m
HAVELOCK	0432Z	05Sep2018	6.62m
FLAT ISLAND	0432Z	05Sep2018	4.04m
WEST & LANDFALL ISLAND	0432Z	05Sep2018	3.03m
BARREN ISLAND	0434Z	05Sep2018	1.78m
RANGATH BAY	0440Z	05Sep2018	2.61m
NARCONDAM ISLAND	0450Z	05Sep2018	1.92m
DIGLIPUR	0452Z	05Sep2018	3.12m
MARAKKANAM	0520Z	05Sep2018	7.13m
CHENNAI	0522Z	05Sep2018	5.99m
CUDDALORE	0522Z	05Sep2018	4.93m
PUDUCHERRY	0522Z	05Sep2018	4.43m
MAHABALIPURAM	0522Z	05Sep2018	5.99m
MALLIPATTINAM	0526Z	05Sep2018	2.26m
POOMBUHAR	0526Z	05Sep2018	4.76m
KARAIKAL	0528Z	05Sep2018	3.37m
SRIHARIKOTA	0528Z	05Sep2018	4.35m
NAGAPATTINAM	0528Z	05Sep2018	3.56m
ENNORE	0530Z	05Sep2018	8.31m
MUTHUPET	0532Z	05Sep2018	2.00m
KAKINADA	0536Z	05Sep2018	3.02m
MACHILIPATNAM	0536Z	05Sep2018	4.09m
PERUPALEM	0540Z	05Sep2018	3.58m
NIJAMPATTANAM	0542Z	05Sep2018	3.10m
KOTTAPATNAM	0544Z	05Sep2018	3.92m
TUTICORIN	0544Z	05Sep2018	2.76m
VISAKHAPATNAM	0546Z	05Sep2018	3.71m
KONADA	0550Z	05Sep2018	2.99m
KALINGAPATNAM	0550Z	05Sep2018	4.54m
KOODANKULAM	0552Z	05Sep2018	3.92m
PARADIP	0554Z	05Sep2018	5.35m
RAMESWARAM	0554Z	05Sep2018	2.33m
PURI	0556Z	05Sep2018	4.45m
KOTTTAIPPATTANAM	0558Z	05Sep2018	1.59m
GOPALPUR	0602Z	05Sep2018	4.41m
KANYAKUMARI	0604Z	05Sep2018	3.92m
JAMBOO	0612Z	05Sep2018	4.11m
TRIVANDRUM	0618Z	05Sep2018	2.55m
QUILON	0620Z	05Sep2018	2.31m
MINICOY	0628Z	05Sep2018	1.68m
ALLEPPEY ALAPPUZHA	0634Z	05Sep2018	3.00m
ANDROTH	0640Z	05Sep2018	1.29m
HEMNAGAR	0642Z	05Sep2018	1.56m
DHAMRA	0646Z	05Sep2018	3.80m
NAMKHANA	0648Z	05Sep2018	2.05m
KAVARATTI	0652Z	05Sep2018	1.31m
DIGHA	0656Z	05Sep2018	2.59m
AMINI	0700Z	05Sep2018	1.18m
VADANAPPALLY	0700Z	05Sep2018	2.24m
COCHIN	0700Z	05Sep2018	2.44m
AGATTI	0702Z	05Sep2018	1.31m

IOC Technical Series, 138 (I) Supplement 2
page 116

CHANDIPUR	0702Z	05Sep2018	3.05m
VAKKAD	0710Z	05Sep2018	1.79m
BEYPORE	0724Z	05Sep2018	2.08m
KANNUR	0732Z	05Sep2018	2.80m
MAHE	0734Z	05Sep2018	2.26m
KASARAGOD	0738Z	05Sep2018	2.50m
MANGALORE	0800Z	05Sep2018	1.80m
UDUPI	0816Z	05Sep2018	1.91m
KARWAR	0848Z	05Sep2018	2.14m
MALVAN BAY	0854Z	05Sep2018	1.77m
VASCO	0900Z	05Sep2018	1.65m
PANAJI	0902Z	05Sep2018	1.65m
JAIGARH	0920Z	05Sep2018	1.36m
PORBANDAR	1222Z	05Sep2018	1.37m
DWARKA	1224Z	05Sep2018	1.77m
JAMNAGAR	1240Z	05Sep2018	1.36m
MANGROL	1244Z	05Sep2018	1.47m
HAZIRA, DIU	1254Z	05Sep2018	2.87m
TARAPUR	1354Z	05Sep2018	1.27m
MANDVI	1358Z	05Sep2018	1.72m
MAHUVA	1506Z	05Sep2018	1.07m
KHAMBAT	1526Z	05Sep2018	0.86m
BHARUCH	1536Z	05Sep2018	0.93m
ALIBAG PORT	1544Z	05Sep2018	1.49m
MUMBAI	1544Z	05Sep2018	1.49m
PIPAVAV	1712Z	05Sep2018	0.90m
DAMAN	1918Z	05Sep2018	0.94m
BORSI	1918Z	05Sep2018	0.94m
HAZIRA	1920Z	05Sep2018	0.95m
INDONESIA			
SUMUT NIAS B	0300Z	05Sep2018	27.56m
NAD SIMEULUE P.SIMEULUE	0300Z	05Sep2018	28.15m
SUMUT NIAS-SELATAN P.TANAHMASA	0300Z	05Sep2018	19.88m
GUNUNGSITOLI	0300Z	05Sep2018	10.99m
SUMUT NIAS-SELATAN P.NIAS	0300Z	05Sep2018	27.88m
SUMUT NIAS-SELATAN P.TANABALA	0300Z	05Sep2018	18.83m
NAD ACEH-SINGKIL KEP.BANYAK	0306Z	05Sep2018	19.61m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0312Z	05Sep2018	10.63m
NIAS	0314Z	05Sep2018	11.95m
NIAS-NORTH	0316Z	05Sep2018	10.97m
SOUTH OF BODAHAYIONE	0316Z	05Sep2018	10.16m
NAD ACEH-JAYA	0322Z	05Sep2018	49.69m
NAD ACEH-BESAR B	0322Z	05Sep2018	44.99m
NIAS-EAST	0324Z	05Sep2018	8.07m
NAD ACEH-BESAR P.PENASI	0324Z	05Sep2018	46.49m
NAD ACEH-BESAR P.BREUEH	0324Z	05Sep2018	47.77m
NAD KOTA-BANDA-ACEH	0326Z	05Sep2018	26.01m
NAD KOTA-SABANG P.WEH	0326Z	05Sep2018	26.05m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0326Z	05Sep2018	4.77m
NAD ACEH-SELATAN S	0328Z	05Sep2018	14.94m
MUARASIBERUT	0328Z	05Sep2018	4.36m
SUMUT MANDAILING-NATAL U	0328Z	05Sep2018	11.62m
NAD ACEH-SINGKIL	0330Z	05Sep2018	8.73m
NAD NAGAN-RAYA	0332Z	05Sep2018	22.56m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0332Z	05Sep2018	5.87m
NAD ACEH-BARAT	0332Z	05Sep2018	50.27m
NAD ACEH-SELATAN U	0334Z	05Sep2018	14.37m
NAD ACEH-BARAT-DAYA	0338Z	05Sep2018	24.30m
NAD ACEH-BESAR U	0342Z	05Sep2018	15.41m
SUMUT TAPANULI-TENGAH U	0344Z	05Sep2018	17.35m
NAD PIDIE	0346Z	05Sep2018	7.48m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0346Z	05Sep2018	12.91m
SAKUBO	0350Z	05Sep2018	2.24m
SUMUT TAPANULI-SELATAN	0352Z	05Sep2018	15.34m
SUMBAR KOTA-PADANG U	0356Z	05Sep2018	6.91m
SUMUT TAPANULI-TENGAH S	0356Z	05Sep2018	11.86m
NAD BIREUEN	0358Z	05Sep2018	7.43m
MUARASIGEP	0400Z	05Sep2018	2.32m
SUMBAR PESISIR-SELATAN U	0400Z	05Sep2018	2.40m
SUMBAR PADANG-PARIAMAN U	0400Z	05Sep2018	2.19m
SUMBAR AGAM	0400Z	05Sep2018	3.89m
SUMBAR KOTA-PARIAMAN	0400Z	05Sep2018	2.26m
SUMBAR KOTA-PADANG S	0402Z	05Sep2018	2.29m
SUMUT MANDAILING-NATAL S	0402Z	05Sep2018	6.93m
SUMBAR KOTA-PADANG U	0402Z	05Sep2018	2.65m
SUMBAR PADANG-PARIAMAN S	0402Z	05Sep2018	2.16m

BENGKULU BENGKULU-UTARA P.ENGGANO	0404Z	05Sep2018	2.29m
NAD ACEH-UTARA B	0406Z	05Sep2018	7.43m
NAD KOTA-LHOKSEUMAWA	0408Z	05Sep2018	5.44m
MURASAI	0410Z	05Sep2018	2.14m
BENGKULU BENGKULU-UTARA U	0412Z	05Sep2018	1.85m
SUMBAR PESISIR-SELATAN S	0412Z	05Sep2018	2.31m
BENGKULU MUKOMUKO	0414Z	05Sep2018	2.05m
NAD ACEH-UTARA T	0416Z	05Sep2018	5.03m
BENGKULU BENGKULU-SELATAN	0422Z	05Sep2018	2.11m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0422Z	05Sep2018	2.62m
BENGKULU SELUMA	0422Z	05Sep2018	2.28m
BENGKULU BENGKULU-UTARA S	0424Z	05Sep2018	3.03m
BENGKULU KAUR	0424Z	05Sep2018	1.94m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0432Z	05Sep2018	2.32m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0434Z	05Sep2018	2.22m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0434Z	05Sep2018	2.24m
LAMPUNG TANGGAMUS B	0438Z	05Sep2018	2.09m
NAD ACEH-TIMUR	0440Z	05Sep2018	3.27m
BANTEN PANDEGLANG P.PANAITAN	0442Z	05Sep2018	1.43m
BANTEN PANDEGLANG S	0444Z	05Sep2018	1.34m
BANTEN LEBAK	0452Z	05Sep2018	2.08m
JABAR SUKABUMI UJUNG-GENTENG	0454Z	05Sep2018	1.39m
JABAR SUKABUMI PELABUHAN-RATU	0454Z	05Sep2018	6.99m
LAMPUNG TANGGAMUS T	0454Z	05Sep2018	3.30m
BANTEN KOTA-CILEGON P.SANGIANG	0456Z	05Sep2018	2.12m
BANTEN SERANG B	0456Z	05Sep2018	2.12m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0456Z	05Sep2018	2.00m
LAMPUNG TANGGAMUS P.TABUAN	0456Z	05Sep2018	1.27m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0456Z	05Sep2018	2.12m
JABAR CIANJUR SINDANGBARANG	0500Z	05Sep2018	1.74m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0502Z	05Sep2018	4.23m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0506Z	05Sep2018	2.00m
LAMPUNG LAMPUNG-SELATAN B	0506Z	05Sep2018	2.00m
JABAR GARUT	0508Z	05Sep2018	1.87m
JABAR TASIKMALAYA	0512Z	05Sep2018	1.96m
BANTEN PANDEGLANG U	0514Z	05Sep2018	2.90m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0526Z	05Sep2018	2.64m
JABAR CIAMIS	0528Z	05Sep2018	2.22m
JATENG PURWOREJO	0538Z	05Sep2018	2.36m
JATENG KEBUMEN	0538Z	05Sep2018	1.91m
NAD KOTA-LANGSA	0538Z	05Sep2018	1.31m
JATENG CILACAP	0542Z	05Sep2018	2.72m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0542Z	05Sep2018	3.36m
DIY KULON-PROGO	0544Z	05Sep2018	1.80m
DIY BANTUL	0544Z	05Sep2018	2.18m
DIY GUNUNG-KIDUL	0546Z	05Sep2018	2.23m
JATENG WONOGIRI	0552Z	05Sep2018	1.22m
JATIM PACITAN	0554Z	05Sep2018	1.99m
JATIM TRENGGALEK	0556Z	05Sep2018	1.99m
NAD ACEH-TAMIANG	0602Z	05Sep2018	1.35m
JATIM BLITAR	0606Z	05Sep2018	1.21m
JATIM MALANG	0606Z	05Sep2018	1.11m
JATIM TULUNGAGUNG	0612Z	05Sep2018	1.10m
JATIM JEMBER P.NUSABARUNG	0616Z	05Sep2018	0.87m
JATIM BANYUWANGI S	0618Z	05Sep2018	1.10m
JATIM JEMBER	0620Z	05Sep2018	1.13m
JATIM LUMAJANG	0624Z	05Sep2018	1.54m
BALI BADUNG PANTAI-KUTA	0630Z	05Sep2018	1.03m
BALI DENPASAR PANTAI-SANUR	0632Z	05Sep2018	0.75m
BALI TABANAN	0632Z	05Sep2018	1.42m
BALI KLUNGKUNG P.NUSAPENIDA	0634Z	05Sep2018	0.76m
NTB LOMBOK-TENGAH	0638Z	05Sep2018	0.93m
NTB LOMBOK-TIMUR S	0642Z	05Sep2018	1.07m
NTB SUMBAWA B	0644Z	05Sep2018	0.77m
SUMUT LANGKAT	0644Z	05Sep2018	1.42m
NTT SUMBA B	0706Z	05Sep2018	1.46m
NTB KOTA-BIMA S	0706Z	05Sep2018	1.03m
NTB SUMBAWA S	0706Z	05Sep2018	1.09m
NTB DOMPU S	0708Z	05Sep2018	0.75m
NTT SUMBA T	0712Z	05Sep2018	0.90m
BELAWAN	0712Z	05Sep2018	1.59m
NTT MANGGARAI-BARAT P.	0722Z	05Sep2018	1.11m
NTT MANGGARAI-BARAT S	0736Z	05Sep2018	1.40m
SUMUT DELISERDANG	0740Z	05Sep2018	1.47m
SUMUT ASAHAN	0742Z	05Sep2018	1.10m
SUMUT SERDANG-BEDAGAI	0746Z	05Sep2018	1.53m
NTT MANGGARAI S	0752Z	05Sep2018	0.94m

IOC Technical Series, 138 (I) Supplement 2
page 118

NTT NGADA S	0754Z	05Sep2018	0.76m
NTT KUPANG	0756Z	05Sep2018	0.76m
NTT ENDE S	0806Z	05Sep2018	0.61m
NTT SIKKA S	0812Z	05Sep2018	0.79m
NTT LEMBATA S	0814Z	05Sep2018	0.91m
NTT ROTENDAO	0816Z	05Sep2018	0.67m
NTT FLORES-TIMUR S	0816Z	05Sep2018	0.78m
NTT FLORES-TIMUR P.SOLOR	0816Z	05Sep2018	0.81m
NTT ALOR S	0816Z	05Sep2018	0.91m
NTT BELU U	0822Z	05Sep2018	1.07m
PANTE MACASSAR	0822Z	05Sep2018	0.90m
NTT KOTA-KUPANG	0826Z	05Sep2018	0.63m
LABUHAN BATU	1022Z	05Sep2018	0.70m
ROKAN HILIR	1102Z	05Sep2018	0.72m
DUMAI	0252Z	06Sep2018	0.64m

IRAN

PUSHT	1042Z	05Sep2018	1.45m
BIR	1100Z	05Sep2018	1.00m
MISKI	1214Z	05Sep2018	1.31m

KENYA

KIWAYU	1108Z	05Sep2018	2.97m
KIPINI	1132Z	05Sep2018	2.22m
MVULENI	1132Z	05Sep2018	2.12m
MALINDI	1134Z	05Sep2018	3.17m
TAKAUNGU	1136Z	05Sep2018	2.99m
KISIMACHANDE	1140Z	05Sep2018	2.45m

MADAGASCAR

VOHEMAR	1024Z	05Sep2018	2.95m
ANOROTSANGANA	1026Z	05Sep2018	2.56m
TOAMASINA AIRPORT	1038Z	05Sep2018	4.32m
TAMPOLO	1044Z	05Sep2018	4.56m
GLORIOSO ISLANDS	1048Z	05Sep2018	0.95m
AMBAHY	1052Z	05Sep2018	10.43m
FARAFAGANA	1102Z	05Sep2018	8.79m
MANANTENINA	1104Z	05Sep2018	7.59m
AMBANJA	1124Z	05Sep2018	1.11m
BALY	1138Z	05Sep2018	2.07m
TAMOTAMO	1144Z	05Sep2018	1.14m
SAMPONA	1146Z	05Sep2018	5.56m
ANDROKA	1200Z	05Sep2018	2.95m
EUROPA ISLAND	1244Z	05Sep2018	1.03m
MANJA	1318Z	05Sep2018	1.19m

MALAYSIA

SATUN	0638Z	05Sep2018	1.49m
YAN	0644Z	05Sep2018	1.15m
WEST OF ALOR SETAR	0702Z	05Sep2018	1.97m
KUALA MUDA	0702Z	05Sep2018	1.97m
SEBERANG PERAI SELATAN	0708Z	05Sep2018	1.57m
SEBERANG PERAI UTARA & BARAT DAYA	0720Z	05Sep2018	1.81m
KERIAN	0734Z	05Sep2018	1.50m
LARUT AND MATANG	0742Z	05Sep2018	1.55m
MANJUNG	0748Z	05Sep2018	1.54m
HILIR PERAK	0818Z	05Sep2018	1.02m
SABAK BERNAM	0906Z	05Sep2018	1.02m
KUALA SELANGOR	0958Z	05Sep2018	1.25m
KUALA LANGAT	0200Z	06Sep2018	0.78m
SEPANG	0250Z	06Sep2018	0.67m

MALDIVES

THINADHOO	0604Z	05Sep2018	8.28m
KOLHUFUSHI	0604Z	05Sep2018	6.58m
DHIYAMIGILI	0606Z	05Sep2018	10.26m
MALE	0606Z	05Sep2018	7.08m
KULHUDUFFUSHI	0608Z	05Sep2018	4.39m
HITHADHOO	0610Z	05Sep2018	7.96m
GOIDHOO	0622Z	05Sep2018	4.75m
NILANDHOO	0626Z	05Sep2018	12.08m
FERIDHOO	0634Z	05Sep2018	4.79m

MAURITIUS

LA FERME	0838Z	05Sep2018	9.73m
CARGADOS CARAJOS	0910Z	05Sep2018	13.58m
AGALEGA ISLAND	0920Z	05Sep2018	3.36m

GRANDE REVIERE	SUD EST-EAST	0924Z	05Sep2018	5.87m
GRANDE REVIERE	SUD EST-WEST	0940Z	05Sep2018	4.21m

MOZAMBIQUE

MAGANJA	1142Z	05Sep2018	3.01m
MERONVI	1150Z	05Sep2018	2.50m
QUITERAJÓ	1154Z	05Sep2018	1.44m
TAVARI	1158Z	05Sep2018	1.46m
PEMBA	1158Z	05Sep2018	2.06m
MURREBUE	1200Z	05Sep2018	1.90m
MECUFI	1202Z	05Sep2018	1.73m
LURIO	1204Z	05Sep2018	1.88m
NANGATA	1206Z	05Sep2018	1.52m
LUMBO	1208Z	05Sep2018	1.12m
MINHAUINE	1208Z	05Sep2018	1.72m
MOGINCUAL	1218Z	05Sep2018	1.05m
NAMORRE	1242Z	05Sep2018	0.96m
INHARRIME	1316Z	05Sep2018	2.74m
POMENE	1326Z	05Sep2018	1.65m
VILANKULO	1328Z	05Sep2018	1.67m
MAGUEMBA	1330Z	05Sep2018	1.98m
INHASSORO	1342Z	05Sep2018	1.35m
MOEBASE	1344Z	05Sep2018	1.13m
ZAVALA	1344Z	05Sep2018	1.91m
OCONE	1348Z	05Sep2018	1.17m
MAPUTO	1348Z	05Sep2018	2.80m
VILA DO CHINDE	1348Z	05Sep2018	1.17m
XAI-XAI	1350Z	05Sep2018	4.22m
AMADE	1352Z	05Sep2018	1.11m
MALUANA	1354Z	05Sep2018	2.63m
NHANGAU	1404Z	05Sep2018	0.95m
MAIONGUE	1420Z	05Sep2018	1.82m
NOVA LUSITANIA	1422Z	05Sep2018	1.88m

MYANMAR

LITTLE COCO ISLAND	0454Z	05Sep2018	2.13m
THAN KYUN	0502Z	05Sep2018	2.98m
GREAT WESTERN TORRES ISLAND	0504Z	05Sep2018	2.38m
PREPARIS ISLAND	0508Z	05Sep2018	2.33m
LORD LOUGHBOROUGH ISLAND	0510Z	05Sep2018	2.38m
KYWEGYAUNG	0540Z	05Sep2018	2.20m
CHEDUBA ISLAND	0540Z	05Sep2018	2.56m
MAWYEN	0548Z	05Sep2018	3.62m
SITTWE	0610Z	05Sep2018	3.73m
THAWINCHAUNG	0612Z	05Sep2018	2.57m
KYAUKPYU	0616Z	05Sep2018	2.28m
MALI KYUN	0620Z	05Sep2018	1.60m
PHARPON	0636Z	05Sep2018	2.28m
MAGYIGYAING	0646Z	05Sep2018	2.90m
YE	0652Z	05Sep2018	1.75m
YANGON-S	0658Z	05Sep2018	1.10m

OMAN

HASIK	0952Z	05Sep2018	2.91m
AD DUQM	0956Z	05Sep2018	1.84m
AL JAZER	1000Z	05Sep2018	1.17m
MIRBAT	1000Z	05Sep2018	2.91m
RAS AR RUWAYS	1002Z	05Sep2018	2.19m
MASIRAH	1004Z	05Sep2018	1.15m
SALALAH	1008Z	05Sep2018	3.07m
TAQAH	1010Z	05Sep2018	3.92m
AL ASHKHARAH	1012Z	05Sep2018	0.87m
SUR	1018Z	05Sep2018	0.84m
MUSCAT	1040Z	05Sep2018	0.95m
SOHAR	1134Z	05Sep2018	0.54m
EAST MUSANDAM	1158Z	05Sep2018	1.25m

PAKISTAN

ORMARA	1032Z	05Sep2018	1.09m
WINDER	1050Z	05Sep2018	1.84m
KARACHI	1110Z	05Sep2018	2.66m
SINDH	1408Z	05Sep2018	1.70m

SEYCHELLES

FREGATE ISLAND	0906Z	05Sep2018	3.92m
COETIVY ISLAND	0910Z	05Sep2018	3.41m
TAKAMAKA	0924Z	05Sep2018	5.73m

IOC Technical Series, 138 (I) Supplement 2
page 120

ILE DESROCHES	0936Z	05Sep2018	3.21m
ALPHONSE ISLAND	0948Z	05Sep2018	1.80m
FARQUHAR GROUP	1006Z	05Sep2018	2.05m
ASTOVE ISLAND	1036Z	05Sep2018	1.84m
ALDABRA	1048Z	05Sep2018	2.38m

SOMALIA

BANDER-BEYLA	1000Z	05Sep2018	5.63m
EYL	1006Z	05Sep2018	4.24m
TOOXIN	1006Z	05Sep2018	4.76m
JARIIBAN	1012Z	05Sep2018	4.46m
GALDOGOB	1012Z	05Sep2018	5.65m
XARARDHEERE	1016Z	05Sep2018	5.36m
CEEL DHEER	1018Z	05Sep2018	4.55m
MAREEG	1020Z	05Sep2018	4.70m
ABO	1020Z	05Sep2018	1.81m
ITALA	1020Z	05Sep2018	4.14m
UARSCIECH	1028Z	05Sep2018	4.52m
MUQDISHO	1032Z	05Sep2018	5.76m
BEYNAX BARRE	1042Z	05Sep2018	3.86m
BARAAWE	1044Z	05Sep2018	3.92m
TURDHO	1052Z	05Sep2018	3.45m
JILIB	1052Z	05Sep2018	2.47m
NE BEERNAASI	1058Z	05Sep2018	3.78m
KAAMBOONI	1106Z	05Sep2018	3.82m
QANDALA	1108Z	05Sep2018	0.58m
BOSASO	1124Z	05Sep2018	0.51m
SAYLAC	1238Z	05Sep2018	0.64m
LOYADO	1244Z	05Sep2018	0.70m
HADAAFTIMO	1424Z	05Sep2018	0.59m

SOUTH AFRICA

LAKE SIBAYI	1332Z	05Sep2018	3.12m
GWABALANDA HITAWI	1334Z	05Sep2018	2.75m
PORT DURNFORD	1334Z	05Sep2018	3.91m
KOSIMEER	1338Z	05Sep2018	2.79m
FUNK SEAMOUNT	1342Z	05Sep2018	6.82m
MANDI	1346Z	05Sep2018	3.72m
MARGATE	1346Z	05Sep2018	6.37m
BIZANA	1348Z	05Sep2018	4.11m
KELSO	1348Z	05Sep2018	4.66m
LUSIKISIKI	1350Z	05Sep2018	3.94m
PORT ST JOHNS	1350Z	05Sep2018	3.94m
ELLIOTDALE	1350Z	05Sep2018	3.94m
BATHURST	1350Z	05Sep2018	3.94m
PORT ELIZABETH	1350Z	05Sep2018	3.94m
HANKEY	1350Z	05Sep2018	3.94m
ABORETUM	1350Z	05Sep2018	3.30m
GEORGE	1350Z	05Sep2018	3.94m
BREDASDORP	1350Z	05Sep2018	3.94m
WILLOWVALE	1350Z	05Sep2018	3.94m
KENTANI	1350Z	05Sep2018	3.94m
MARSHSTRAND	1350Z	05Sep2018	3.94m
PEDDIE	1350Z	05Sep2018	3.94m
ALEXANDRIA	1350Z	05Sep2018	3.94m
HUMANSDORP	1350Z	05Sep2018	3.94m
MOSSEL	1350Z	05Sep2018	3.94m
HEIDELBERG	1350Z	05Sep2018	3.94m
NGQUELENI	1350Z	05Sep2018	3.94m
WITAAND	1350Z	05Sep2018	3.94m
GAMTOOS	1350Z	05Sep2018	3.94m
ZIKHOVA	1350Z	05Sep2018	3.94m
KAYSER'S BEACH	1350Z	05Sep2018	3.94m

SRI LANKA

OKANDA	0444Z	05Sep2018	9.34m
KIRINDA	0444Z	05Sep2018	8.09m
POTTUVIL	0444Z	05Sep2018	9.62m
AKKARAIPATTU	0444Z	05Sep2018	9.33m
BATTICALOA	0446Z	05Sep2018	9.51m
KATTANKUDI	0450Z	05Sep2018	8.33m
HAMBANTOTA	0450Z	05Sep2018	9.08m
ANAITIVU	0454Z	05Sep2018	9.23m
PANKULAM	0454Z	05Sep2018	7.14m
TANGALLE	0454Z	05Sep2018	6.76m
MATARA	0456Z	05Sep2018	6.46m
GALLE	0500Z	05Sep2018	6.46m

MULLAITTIVU	0500Z	05Sep2018	5.82m
CHUNDIKKULAM	0506Z	05Sep2018	5.96m
AMBALANGODA	0506Z	05Sep2018	4.16m
BERUWALA	0514Z	05Sep2018	3.79m
CHAVAKACHCHERI	0516Z	05Sep2018	3.24m
COLOMBO	0520Z	05Sep2018	3.13m
MORATUWA	0522Z	05Sep2018	5.72m
POINT PEDRO	0522Z	05Sep2018	3.23m
NEGOMBO	0530Z	05Sep2018	3.47m
MUNDAL LAKE	0534Z	05Sep2018	2.75m
MANNAR ISLAND	0544Z	05Sep2018	1.74m
MUSALI	0556Z	05Sep2018	1.40m
TANZANIA			
VUMBA	1128Z	05Sep2018	2.26m
VUMBI	1132Z	05Sep2018	2.33m
ZANZIBAR	1136Z	05Sep2018	2.53m
GAZIJA	1138Z	05Sep2018	2.10m
JIMBO	1140Z	05Sep2018	2.34m
KUTANI	1142Z	05Sep2018	3.65m
MADANGWA	1142Z	05Sep2018	1.92m
SONGO SONGO ISLAND	1144Z	05Sep2018	1.73m
RUVU	1144Z	05Sep2018	2.38m
BOMALANDNI	1150Z	05Sep2018	1.56m
WEST TO KONDE	1150Z	05Sep2018	2.03m
MSASANI	1150Z	05Sep2018	2.07m
BAGAMOYO	1152Z	05Sep2018	1.93m
THAILAND			
THAI MUEANG	0434Z	05Sep2018	6.19m
KO RACHA NOI	0444Z	05Sep2018	4.24m
KOH SURIN TAI	0504Z	05Sep2018	3.85m
KOH LANTA YAI	0518Z	05Sep2018	3.07m
KOH ROK	0528Z	05Sep2018	2.23m
THAI MUEANG TAKUA PA	0530Z	05Sep2018	4.35m
KOH TARUTAO	0538Z	05Sep2018	2.40m
MUEANG SATUN	0538Z	05Sep2018	2.40m
TIMOR-LESTE			
BOBONARO	0826Z	05Sep2018	0.87m
PANTE MACASSAR	0826Z	05Sep2018	0.83m
LIQUICA	0834Z	05Sep2018	0.69m
UNITED ARAB EMIRATES			
KALBA	1136Z	05Sep2018	1.19m
UNITED KINGDOM			
MORESBY ISLAND	0628Z	05Sep2018	11.63m
DIEGO GARCIA	0630Z	05Sep2018	12.10m
NW EGMONT ISLAND	0650Z	05Sep2018	7.10m
YEMEN			
SOCOTRA ISLAND SOUTH	0942Z	05Sep2018	5.07m
SOCOTRA ISLAND NORTH	0958Z	05Sep2018	3.17m
SOCOTRA ISLAND WEST	1012Z	05Sep2018	1.45m
DAMQAWT	1012Z	05Sep2018	3.63m
AL GHAYDAH AIRPORT	1028Z	05Sep2018	2.74m
HUSWAYN	1034Z	05Sep2018	1.84m
ALQUMRAH	1042Z	05Sep2018	1.53m
HAMI	1106Z	05Sep2018	0.91m
AL MUKALLA	1108Z	05Sep2018	0.90m
MASILAH WADI	1108Z	05Sep2018	1.39m
BROM MAYFA	1110Z	05Sep2018	0.76m
HARRAH	1110Z	05Sep2018	1.27m
EAST TO HAMI	1112Z	05Sep2018	0.92m
RUDUM	1120Z	05Sep2018	0.70m
AHWAR	1134Z	05Sep2018	0.64m
KHANFAR	1158Z	05Sep2018	1.40m
MA'ALLAH	1244Z	05Sep2018	0.78m
QAWAH	1246Z	05Sep2018	0.76m
AL MUALLA	1306Z	05Sep2018	0.69m
ADEN	1550Z	05Sep2018	1.06m

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

#####

TSUNAMI BULLETIN NUMBER 15 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)
ISSUED AT 1432 UTC Wednesday 05 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: 9.3 Mwp
Depth: 10km
Date: 05 Sep 2018
Origin Time: 0300 UTC
Latitude: 3.30N
Longitude: 96.00E
Location: Northern Sumatra, Indonesia

2. EVALUATION

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

Sabang	INDONESIA	5.80N	95.33E	8.00m	05 Sep 03:25 UTC
Meulaboh	INDONESIA	4.17N	96.00E	8.00m	05 Sep 03:40 UTC
Telukdalam	INDONESIA	0.50N	97.83E	6.00m	05 Sep 03:45 UTC
Deep Ocean Buoy 23227	BAY OF BENGAL	6.26N	88.79E	0.46m	05 Sep 04:19 UTC
Seblat	INDONESIA	3.17S	101.50E	1.80m	05 Sep 04:20 UTC
Deep Ocean Buoy 23401	NICOBAR ISLAND	8.90N	88.50E	0.33m	05 Sep 04:24 UTC
Deep Ocean Buoy 23219	BAY OF BENGAL	10.58N	89.28E	0.33m	05 Sep 04:24 UTC
Sibolga	INDONESIA	1.67N	98.67E	4.00m	05 Sep 04:40 UTC
Cocos Island	AUSTRALIA	12.10S	96.89E	2.20m	05 Sep 04:45 UTC
Ko Taphao Noi	THAILAND	7.80N	98.42E	2.50m	05 Sep 04:50 UTC
Christmas Island	AUSTRALIA	10.40S	105.67E	0.75m	05 Sep 05:00 UTC
Port Blair	INDIA	11.70N	92.76E	1.20m	05 Sep 05:00 UTC
Nancowry	INDIA	8.10N	93.55E	5.40m	05 Sep 05:15 UTC
Padang	INDONESIA	1.00S	100.37E	2.00m	05 Sep 05:35 UTC
Trincomalee	SRI LANKA	8.67N	81.33E	1.40m	05 Sep 05:35 UTC
Pangandaran	INDONESIA	7.83S	108.50E	0.60m	05 Sep 06:35 UTC
Langkawi	MALAYSIA	6.50N	99.83E	2.50m	05 Sep 06:05 UTC
Cilacap	INDONESIA	7.80S	109.00E	0.50m	05 Sep 06:40 UTC
Sadeng	INDONESIA	8.33S	110.83E	0.50m	05 Sep 06:40 UTC
Gan	MALDIVES	0.70S	73.15E	2.00m	05 Sep 06:45 UTC
Male	MALDIVES	4.20N	73.53E	1.50m	05 Sep 06:55 UTC
Diego Garcia	UK	7.20S	72.43E	1.60m	05 Sep 06:55 UTC
Deep Ocean Buoy 56003	INDIAN OCEAN	15.02S	117.94E	0.09m	05 Sep 07:00 UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	4.10m	05 Sep 07:05 UTC
Point Murat	AUSTRALIA	21.80S	114.19E	3.20m	05 Sep 07:35 UTC
Cape Cuvier Wharf	AUSTRALIA	24.20S	113.40E	3.00m	05 Sep 08:05 UTC
Deep Ocean Buoy 56001	INDIAN OCEAN	13.99S	110.10E	0.14m	05 Sep 08:40 UTC
Kirinda	SRI LANKA	6.20N	81.32E	3.50m	05 Sep 09:10 UTC
Port Hedland	AUSTRALIA	20.00S	118.42E	2.00m	05 Sep 09:10 UTC
Rodrigues	MAURITIUS	19.70S	63.42E	1.60m	05 Sep 09:10 UTC
Gwadar	PAKISTAN	25.00N	62.00E	8.00m	05 Sep 09:35 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	3.40m	05 Sep 09:55 UTC
Chennai	INDIA	13.10N	80.30E	3.20m	05 Sep 10:00 UTC
Pointe des Galets	REUNION ISLAND	20.90S	55.28E	2.70m	05 Sep 10:10 UTC
Sainte Marie	REUNION	20.90S	55.54E	4.00m	05 Sep 10:10 UTC
Ormara	PAKISTAN	25.20N	64.07E	0.40m	05 Sep 10:50 UTC
Cochin	INDIA	10.00N	76.17E	1.25m	05 Sep 11:10 UTC
Muscat	OMAN	23.60N	58.57E	0.30m	05 Sep 11:20 UTC
Hillarys Harbor	AUSTRALIA	31.80S	115.74E	4.80m	05 Sep 11:20 UTC
Karachi	PAKISTAN	24.83N	66.83E	0.50m	05 Sep 11:40 UTC

IOC Technical Series, 138 (I) Supplement 2
page 124

Jask	IRAN	25.60N	57.77E	0.60m	05 Sep 12:00 UTC
Portland	AUSTRALIA	38.30S	141.61E	0.50m	05 Sep 12:30 UTC
Broome	AUSTRALIA	18.00S	122.22E	4.40m	05 Sep 13:00 UTC
Esperance	AUSTRALIA	33.83S	122.00E	0.90m	05 Sep 13:00 UTC
Denis Island	SEYCHELLES	3.80S	55.67E	2.00m	05 Sep 13:10 UTC
Maria Island	AUSTRALIA	42.60S	148.06E	0.15m	05 Sep 13:10 UTC
Darlington	AUSTRALIA	42.60S	148.06E	0.15m	05 Sep 13:10 UTC
Southport Jetty	AUSTRALIA	43.50S	147.00E	0.50m	05 Sep 13:15 UTC
Spring Bay	AUSTRALIA	42.50S	147.93E	0.15m	05 Sep 13:15 UTC
Thevenard	AUSTRALIA	32.10S	133.64E	0.80m	05 Sep 13:30 UTC
Battery Point	AUSTRALIA	43.00S	147.33E	0.40m	05 Sep 13:40 UTC
Kerguelen Island	FRANCE	49.50S	70.17E	2.40m	05 Sep 13:40 UTC
Deep Ocean Buoy 55015	TASMAN SEA 1	46.83S	160.26E	0.03m	05 Sep 13:56 UTC
Deep Ocean Buoy 55042	TASMAN SEA 2	44.85S	161.73E	0.03m	05 Sep 14:10 UTC
Twofold Bay	AUSTRALIA	37.00S	150.00E	0.15m	05 Sep 14:15 UTC
Darwin	AUSTRALIA	12.50S	130.85E	0.50m	05 Sep 14:20 UTC
Stony Point	AUSTRALIA	38.50S	145.17E	0.40m	05 Sep 14:25 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				
COCOS ISLAND	0438Z	05Sep2018	2.55m	
CHRISTMAS ISLAND	0446Z	05Sep2018	1.02m	
NINGALOO COAST	0700Z	05Sep2018	2.78m	
PILBARA COAST WEST	0734Z	05Sep2018	3.92m	
GASCOYNE COAST	0746Z	05Sep2018	2.60m	
GERALDTON COAST	0752Z	05Sep2018	3.95m	
ASHMORE REEF	0806Z	05Sep2018	0.59m	
PILBARA COAST EAST	0812Z	05Sep2018	2.09m	
LANCELIN COAST	0818Z	05Sep2018	2.22m	
PERTH COAST	0824Z	05Sep2018	2.51m	
BUNBURY GEOGRAPHE COAST	0842Z	05Sep2018	3.15m	
LEEUEWIN COAST	0854Z	05Sep2018	2.47m	
WEST KIMBERLY COAST	0900Z	05Sep2018	1.89m	
ALBANY COAST	0914Z	05Sep2018	1.73m	
NORTH KIMBERLY COAST	0956Z	05Sep2018	1.41m	
ESPERENCE COAST	1228Z	05Sep2018	0.95m	
HEARD ISLAND AND MCDONALD ISLANDS	1230Z	05Sep2018	10.77m	
AURORA BANK	1240Z	05Sep2018	4.45m	
WEST COAST VIC	1516Z	05Sep2018	1.36m	
BEAGLE BONAPARTE COAST	1844Z	05Sep2018	0.81m	
EUCLA COAST	1918Z	05Sep2018	1.14m	
SOUTH WEST COAST TAS	1958Z	05Sep2018	1.61m	
CENTRAL WEST COAST TAS	2006Z	05Sep2018	1.62m	
FAR NORTH WEST COAST TAS	2034Z	05Sep2018	0.93m	
SOUTH CENTRAL COAST SA	2050Z	05Sep2018	1.09m	
LOWER SOUTH EAST COAST SA	2058Z	05Sep2018	1.31m	
UPPER WEST COAST SA	2132Z	05Sep2018	1.05m	
LOWER WEST COAST SA	2152Z	05Sep2018	0.77m	
CENTRAL COAST SA	2208Z	05Sep2018	0.74m	
NORTH TIWI COAST	2224Z	05Sep2018	0.82m	
FAR WEST COAST SA	2230Z	05Sep2018	1.02m	
UPPER SOUTH EAST COAST SA	2232Z	05Sep2018	1.22m	

CENTRAL COAST VIC 2304Z 05Sep2018 0.82m

BANGLADESH

COXS BAZAR 0638Z 05Sep2018 3.08m
CHALNA 0642Z 05Sep2018 1.91m
KUTUBDIA ISLAND 0650Z 05Sep2018 3.74m
BARGUNA 0650Z 05Sep2018 3.74m

COMOROS

DZAOUDZI 1114Z 05Sep2018 0.96m
BAMBAO 1116Z 05Sep2018 1.30m
CHEZANI 1120Z 05Sep2018 2.53m
FOMBONI 1122Z 05Sep2018 1.44m

DJIBOUTI

NW ARTA 1240Z 05Sep2018 1.64m
MUHAMMAD ALI BIN FATHA SUMANA 1240Z 05Sep2018 1.39m

FRANCE

LLE SAINT-PAUL-NORTH 0920Z 05Sep2018 3.48m
LLE SAINT-PAUL-SOUTH 0932Z 05Sep2018 3.38m
SAINT-DENIS 0952Z 05Sep2018 3.93m
SAINT - JOSEPH 0952Z 05Sep2018 4.74m
ILE KERGUELEN 1148Z 05Sep2018 9.96m
NES CROZET 1204Z 05Sep2018 4.28m
ILE DE LA POSSESSION 1204Z 05Sep2018 4.72m
CROZET PLATEAU 1214Z 05Sep2018 6.31m

INDIA

INDIRA POINT 0316Z 05Sep2018 12.88m
KOMATRA & KATCHAL ISLAND 0326Z 05Sep2018 7.03m
CAR NICOBAR 0336Z 05Sep2018 4.76m
LITTLE ANDAMAN 0358Z 05Sep2018 3.24m
NORTH SENTINEL ISLAND 0406Z 05Sep2018 5.12m
PORT BLAIR 0422Z 05Sep2018 5.38m
HAVELOCK 0432Z 05Sep2018 6.62m
FLAT ISLAND 0432Z 05Sep2018 4.04m
WEST & LANDFALL ISLAND 0432Z 05Sep2018 3.03m
BARREN ISLAND 0434Z 05Sep2018 1.78m
RANGATH BAY 0440Z 05Sep2018 2.61m
NARCONDAM ISLAND 0450Z 05Sep2018 1.92m
DIGLIPUR 0452Z 05Sep2018 3.12m
MARAKKANAM 0520Z 05Sep2018 7.13m
CHENNAI 0522Z 05Sep2018 5.99m
CUDDALORE 0522Z 05Sep2018 4.93m
PUDUCHERRY 0522Z 05Sep2018 4.43m
MAHABALIPURAM 0522Z 05Sep2018 5.99m
MALLIPATTINAM 0526Z 05Sep2018 2.26m
POOMBUHAR 0526Z 05Sep2018 4.76m
KARAIKAL 0528Z 05Sep2018 3.37m
SRIHARIKOTA 0528Z 05Sep2018 4.35m
NAGAPATTINAM 0528Z 05Sep2018 3.56m
ENNORE 0530Z 05Sep2018 8.31m
MUTHUPET 0532Z 05Sep2018 2.00m
KAKINADA 0536Z 05Sep2018 3.02m
MACHILIPATNAM 0536Z 05Sep2018 4.09m
PERUPALEM 0540Z 05Sep2018 3.58m
NIJAMPATTANAM 0542Z 05Sep2018 3.10m
KOTTAPATNAM 0544Z 05Sep2018 3.92m
TUTICORIN 0544Z 05Sep2018 2.76m
VISAKHAPATNAM 0546Z 05Sep2018 3.71m
KONADA 0550Z 05Sep2018 2.99m
KALINGAPATNAM 0550Z 05Sep2018 4.54m
KODANKULAM 0552Z 05Sep2018 3.92m
PARADIP 0554Z 05Sep2018 5.35m
RAMESWARAM 0554Z 05Sep2018 2.33m
PURI 0556Z 05Sep2018 4.45m
KOTTAIPPATTANAM 0558Z 05Sep2018 1.59m
GOPALPUR 0602Z 05Sep2018 4.41m
KANYAKUMARI 0604Z 05Sep2018 3.92m
JAMBOO 0612Z 05Sep2018 4.11m
TRIVANDRUM 0618Z 05Sep2018 2.55m
QUILON 0620Z 05Sep2018 2.31m
MINICOY 0628Z 05Sep2018 1.68m
ALLEPPEY ALAPPUZHA 0634Z 05Sep2018 3.00m
ANDROTH 0640Z 05Sep2018 1.29m
HEMNAGAR 0642Z 05Sep2018 1.56m

IOC Technical Series, 138 (I) Supplement 2
page 126

DHAMRA	0646Z	05Sep2018	3.80m
NAMKHANA	0648Z	05Sep2018	2.05m
KAVARATTI	0652Z	05Sep2018	1.31m
DIGHA	0656Z	05Sep2018	2.59m
AMINI	0700Z	05Sep2018	1.18m
VADANAPPALLY	0700Z	05Sep2018	2.24m
COCHIN	0700Z	05Sep2018	2.44m
AGATTI	0702Z	05Sep2018	1.31m
CHANDIPUR	0702Z	05Sep2018	3.05m
VAKKAD	0710Z	05Sep2018	1.79m
BEYPORE	0724Z	05Sep2018	2.08m
KANNUR	0732Z	05Sep2018	2.80m
MAHE	0734Z	05Sep2018	2.26m
KASARAGOD	0738Z	05Sep2018	2.50m
MANGALORE	0800Z	05Sep2018	1.80m
UDUPI	0816Z	05Sep2018	1.91m
KARWAR	0848Z	05Sep2018	2.14m
MALVAN BAY	0854Z	05Sep2018	1.77m
VASCO	0900Z	05Sep2018	1.65m
PANAJI	0902Z	05Sep2018	1.65m
JAIGARH	0920Z	05Sep2018	1.36m
PORBANDAR	1222Z	05Sep2018	1.37m
DWARKA	1224Z	05Sep2018	1.77m
JAMNAGAR	1240Z	05Sep2018	1.36m
MANGROL	1244Z	05Sep2018	1.47m
HAZIRA, DIU	1254Z	05Sep2018	2.87m
TARAPUR	1354Z	05Sep2018	1.27m
MANDVI	1358Z	05Sep2018	1.72m
MAHUVA	1506Z	05Sep2018	1.07m
KHAMBAT	1526Z	05Sep2018	0.86m
BHARUCH	1536Z	05Sep2018	0.93m
ALIBAG PORT	1544Z	05Sep2018	1.49m
MUMBAI	1544Z	05Sep2018	1.49m
PIPAVAV	1712Z	05Sep2018	0.90m
DAMAN	1918Z	05Sep2018	0.94m
BORSI	1918Z	05Sep2018	0.94m
HAZIRA	1920Z	05Sep2018	0.95m
INDONESIA			
SUMUT NIAS B	0300Z	05Sep2018	27.56m
NAD SIMEULUE P.SIMEULUE	0300Z	05Sep2018	28.15m
SUMUT NIAS-SELATAN P.TANAHMASA	0300Z	05Sep2018	19.88m
GUNUNGSITOLI	0300Z	05Sep2018	10.99m
SUMUT NIAS-SELATAN P.NIAS	0300Z	05Sep2018	27.88m
SUMUT NIAS-SELATAN P.TANABALA	0300Z	05Sep2018	18.83m
NAD ACEH-SINGKIL KEP.BANYAK	0306Z	05Sep2018	19.61m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0312Z	05Sep2018	10.63m
NIAS	0314Z	05Sep2018	11.95m
NIAS-NORTH	0316Z	05Sep2018	10.97m
SOUTH OF BODAHAYIONE	0316Z	05Sep2018	10.16m
NAD ACEH-JAYA	0322Z	05Sep2018	49.69m
NAD ACEH-BESAR B	0322Z	05Sep2018	44.99m
NIAS-EAST	0324Z	05Sep2018	8.07m
NAD ACEH-BESAR P.PENASI	0324Z	05Sep2018	46.49m
NAD ACEH-BESAR P.BREUEH	0324Z	05Sep2018	47.77m
NAD KOTA-BANDA-ACEH	0326Z	05Sep2018	26.01m
NAD KOTA-SABANG P.WEH	0326Z	05Sep2018	26.05m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0326Z	05Sep2018	4.77m
NAD ACEH-SELATAN S	0328Z	05Sep2018	14.94m
MUARASIBERUT	0328Z	05Sep2018	4.36m
SUMUT MANDAILING-NATAL U	0328Z	05Sep2018	11.62m
NAD ACEH-SINGKIL	0330Z	05Sep2018	8.73m
NAD NAGAN-RAYA	0332Z	05Sep2018	22.56m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0332Z	05Sep2018	5.87m
NAD ACEH-BARAT	0332Z	05Sep2018	50.27m
NAD ACEH-SELATAN U	0334Z	05Sep2018	14.37m
NAD ACEH-BARAT-DAYA	0338Z	05Sep2018	24.30m
NAD ACEH-BESAR U	0342Z	05Sep2018	15.41m
SUMUT TAPANULI-TENGAH U	0344Z	05Sep2018	17.35m
NAD PIDIE	0346Z	05Sep2018	7.48m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0346Z	05Sep2018	12.91m
SAKUBO	0350Z	05Sep2018	2.24m
SUMUT TAPANULI-SELATAN	0352Z	05Sep2018	15.34m
SUMBAR KOTA-PADANG U	0356Z	05Sep2018	6.91m
SUMUT TAPANULI-TENGAH S	0356Z	05Sep2018	11.86m
NAD BIREUEN	0358Z	05Sep2018	7.43m
MUARASIGEP	0400Z	05Sep2018	2.32m

SUMBAR PESISIR-SELATAN U	0400Z	05Sep2018	2.40m
SUMBAR PADANG-PARIAMAN U	0400Z	05Sep2018	2.19m
SUMBAR AGAM	0400Z	05Sep2018	3.89m
SUMBAR KOTA-PARIAMAN	0400Z	05Sep2018	2.26m
SUMBAR KOTA-PADANG S	0402Z	05Sep2018	2.29m
SUMUT MANDAILING-NATAL S	0402Z	05Sep2018	6.93m
SUMBAR KOTA-PADANG U	0402Z	05Sep2018	2.65m
SUMBAR PADANG-PARIAMAN S	0402Z	05Sep2018	2.16m
BENGKULU BENGKULU-UTARA P.ENGGANO	0404Z	05Sep2018	2.29m
NAD ACEH-UTARA B	0406Z	05Sep2018	7.43m
NAD KOTA-LHOKSEUMAWA	0408Z	05Sep2018	5.44m
MURASAIBI	0410Z	05Sep2018	2.14m
BENGKULU BENGKULU-UTARA U	0412Z	05Sep2018	1.85m
SUMBAR PESISIR-SELATAN S	0412Z	05Sep2018	2.31m
BENGKULU MUKOMUKO	0414Z	05Sep2018	2.05m
NAD ACEH-UTARA T	0416Z	05Sep2018	5.03m
BENGKULU BENGKULU-SELATAN	0422Z	05Sep2018	2.11m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0422Z	05Sep2018	2.62m
BENGKULU SELUMA	0422Z	05Sep2018	2.28m
BENGKULU BENGKULU-UTARA S	0424Z	05Sep2018	3.03m
BENGKULU KAUR	0424Z	05Sep2018	1.94m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0432Z	05Sep2018	2.32m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0434Z	05Sep2018	2.22m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0434Z	05Sep2018	2.24m
LAMPUNG TANGGAMUS B	0438Z	05Sep2018	2.09m
NAD ACEH-TIMUR	0440Z	05Sep2018	3.27m
BANTEN PANDEGLANG P.PANAITAN	0442Z	05Sep2018	1.43m
BANTEN PANDEGLANG S	0444Z	05Sep2018	1.34m
BANTEN LEBAK	0452Z	05Sep2018	2.08m
JABAR SUKABUMI UJUNG-GENTENG	0454Z	05Sep2018	1.39m
JABAR SUKABUMI PELABUHAN-RATU	0454Z	05Sep2018	6.99m
LAMPUNG TANGGAMUS T	0454Z	05Sep2018	3.30m
BANTEN KOTA-CILEGON P.SANGIANG	0456Z	05Sep2018	2.12m
BANTEN SERANG B	0456Z	05Sep2018	2.12m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0456Z	05Sep2018	2.00m
LAMPUNG TANGGAMUS P.TABUAN	0456Z	05Sep2018	1.27m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0456Z	05Sep2018	2.12m
JABAR CIANJUR SINDANGBARANG	0500Z	05Sep2018	1.74m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0502Z	05Sep2018	4.23m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0506Z	05Sep2018	2.00m
LAMPUNG LAMPUNG-SELATAN B	0506Z	05Sep2018	2.00m
JABAR GARUT	0508Z	05Sep2018	1.87m
JABAR TASIKMALAYA	0512Z	05Sep2018	1.96m
BANTEN PANDEGLANG U	0514Z	05Sep2018	2.90m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0526Z	05Sep2018	2.64m
JABAR CIAMIS	0528Z	05Sep2018	2.22m
JATENG PURWOREJO	0538Z	05Sep2018	2.36m
JATENG KEBUMEN	0538Z	05Sep2018	1.91m
NAD KOTA-LANGSA	0538Z	05Sep2018	1.31m
JATENG CILACAP	0542Z	05Sep2018	2.72m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0542Z	05Sep2018	3.36m
DIY KULON-PROGO	0544Z	05Sep2018	1.80m
DIY BANTUL	0544Z	05Sep2018	2.18m
DIY GUNUNG-KIDUL	0546Z	05Sep2018	2.23m
JATENG WONOGIRI	0552Z	05Sep2018	1.22m
JATIM PACITAN	0554Z	05Sep2018	1.99m
JATIM TRENGGALEK	0556Z	05Sep2018	1.99m
NAD ACEH-TAMIANG	0602Z	05Sep2018	1.35m
JATIM BLITAR	0606Z	05Sep2018	1.21m
JATIM MALANG	0606Z	05Sep2018	1.11m
JATIM TULUNGAGUNG	0612Z	05Sep2018	1.10m
JATIM JEMBER P.NUSABARUNG	0616Z	05Sep2018	0.87m
JATIM BANYUWANGI S	0618Z	05Sep2018	1.10m
JATIM JEMBER	0620Z	05Sep2018	1.13m
JATIM LUMAJANG	0624Z	05Sep2018	1.54m
BALI BADUNG PANTAI-KUTA	0630Z	05Sep2018	1.03m
BALI DENPASAR PANTAI-SANUR	0632Z	05Sep2018	0.75m
BALI TABANAN	0632Z	05Sep2018	1.42m
BALI KLUNGKUNG P.NUSAPENIDA	0634Z	05Sep2018	0.76m
NTB LOMBOK-TENGAH	0638Z	05Sep2018	0.93m
NTB LOMBOK-TIMUR S	0642Z	05Sep2018	1.07m
NTB SUMBAWA B	0644Z	05Sep2018	0.77m
SUMUT LANGKAT	0644Z	05Sep2018	1.42m
NTT SUMBA B	0706Z	05Sep2018	1.46m
NTB KOTA-BIMA S	0706Z	05Sep2018	1.03m
NTB SUMBAWA S	0706Z	05Sep2018	1.09m
NTB DOMPU S	0708Z	05Sep2018	0.75m

IOC Technical Series, 138 (I) Supplement 2
page 128

NTT SUMBA T	0712Z	05Sep2018	0.90m
BELAWAN	0712Z	05Sep2018	1.59m
NTT MANGGARAI-BARAT P.	0722Z	05Sep2018	1.11m
NTT MANGGARAI-BARAT S	0736Z	05Sep2018	1.40m
SUMUT DELISERDANG	0740Z	05Sep2018	1.47m
SUMUT ASAHAN	0742Z	05Sep2018	1.10m
SUMUT SERDANG-BEDAGAI	0746Z	05Sep2018	1.53m
NTT MANGGARAI S	0752Z	05Sep2018	0.94m
NTT NGADA S	0754Z	05Sep2018	0.76m
NTT KUPANG	0756Z	05Sep2018	0.76m
NTT ENDE S	0806Z	05Sep2018	0.61m
NTT SIKKA S	0812Z	05Sep2018	0.79m
NTT LEMBATA S	0814Z	05Sep2018	0.91m
NTT ROTENDAO	0816Z	05Sep2018	0.67m
NTT FLORES-TIMUR S	0816Z	05Sep2018	0.78m
NTT FLORES-TIMUR P.SOLOR	0816Z	05Sep2018	0.81m
NTT ALOR S	0816Z	05Sep2018	0.91m
NTT BELU U	0822Z	05Sep2018	1.07m
PANTE MACASSAR	0822Z	05Sep2018	0.90m
NTT KOTA-KUPANG	0826Z	05Sep2018	0.63m
LABUHAN BATU	1022Z	05Sep2018	0.70m
ROKAN HILIR	1102Z	05Sep2018	0.72m
DUMAI	0252Z	06Sep2018	0.64m

IRAN

PUSHT	1042Z	05Sep2018	1.45m
BIR	1100Z	05Sep2018	1.00m
MISKI	1214Z	05Sep2018	1.31m

KENYA

KIWAYU	1108Z	05Sep2018	2.97m
KIPINI	1132Z	05Sep2018	2.22m
MVULENI	1132Z	05Sep2018	2.12m
MALINDI	1134Z	05Sep2018	3.17m
TAKAUNGU	1136Z	05Sep2018	2.99m
KISIMACHANDE	1140Z	05Sep2018	2.45m

MADAGASCAR

VOHEMAR	1024Z	05Sep2018	2.95m
ANOROTSANGANA	1026Z	05Sep2018	2.56m
TOAMASINA AIRPORT	1038Z	05Sep2018	4.32m
TAMPOLO	1044Z	05Sep2018	4.56m
GLORIOSO ISLANDS	1048Z	05Sep2018	0.95m
AMBAHY	1052Z	05Sep2018	10.43m
FARAFAGANA	1102Z	05Sep2018	8.79m
MANANTENINA	1104Z	05Sep2018	7.59m
AMBANJA	1124Z	05Sep2018	1.11m
BALY	1138Z	05Sep2018	2.07m
TAMOTAMO	1144Z	05Sep2018	1.14m
SAMPONA	1146Z	05Sep2018	5.56m
ANDROKA	1200Z	05Sep2018	2.95m
EUROPA ISLAND	1244Z	05Sep2018	1.03m
MANJA	1318Z	05Sep2018	1.19m

MALAYSIA

SATUN	0638Z	05Sep2018	1.49m
YAN	0644Z	05Sep2018	1.15m
WEST OF ALOR SETAR	0702Z	05Sep2018	1.97m
KUALA MUDA	0702Z	05Sep2018	1.97m
SEBERANG PERAI SELATAN	0708Z	05Sep2018	1.57m
SEBERANG PERAI UTARA & BARAT DAYA	0720Z	05Sep2018	1.81m
KERIAN	0734Z	05Sep2018	1.50m
LARUT AND MATANG	0742Z	05Sep2018	1.55m
MANJUNG	0748Z	05Sep2018	1.54m
HILIR PERAK	0818Z	05Sep2018	1.02m
SABAK BERNAM	0906Z	05Sep2018	1.02m
KUALA SELANGOR	0958Z	05Sep2018	1.25m
KUALA LANGAT	0200Z	06Sep2018	0.78m
SEPANG	0250Z	06Sep2018	0.67m

MALDIVES

THINADHOO	0604Z	05Sep2018	8.28m
KOLHUFUSHI	0604Z	05Sep2018	6.58m
DHIYAMIGILI	0606Z	05Sep2018	10.26m
MALE	0606Z	05Sep2018	7.08m
KULHUDUFFUSHI	0608Z	05Sep2018	4.39m
HITHADHOO	0610Z	05Sep2018	7.96m

GOIDHOO	0622Z	05Sep2018	4.75m
NILANDHOO	0626Z	05Sep2018	12.08m
FERIDHOO	0634Z	05Sep2018	4.79m

MAURITIUS

LA FERME	0838Z	05Sep2018	9.73m
CARGADOS CARAJOS	0910Z	05Sep2018	13.58m
AGALEGA ISLAND	0920Z	05Sep2018	3.36m
GRANDE REVIERE SUD EST-EAST	0924Z	05Sep2018	5.87m
GRANDE REVIERE SUD EST-WEST	0940Z	05Sep2018	4.21m

MOZAMBIQUE

MAGANJA	1142Z	05Sep2018	3.01m
MERONVI	1150Z	05Sep2018	2.50m
QUITERAJO	1154Z	05Sep2018	1.44m
TAVARI	1158Z	05Sep2018	1.46m
PEMBA	1158Z	05Sep2018	2.06m
MURREBUE	1200Z	05Sep2018	1.90m
MECUFI	1202Z	05Sep2018	1.73m
LURIO	1204Z	05Sep2018	1.88m
NANGATA	1206Z	05Sep2018	1.52m
LUMBO	1208Z	05Sep2018	1.12m
MINHAUINE	1208Z	05Sep2018	1.72m
MOGINCUAL	1218Z	05Sep2018	1.05m
NAMORRE	1242Z	05Sep2018	0.96m
INHARRIME	1316Z	05Sep2018	2.74m
POMENE	1326Z	05Sep2018	1.65m
VILANKULO	1328Z	05Sep2018	1.67m
MAGUEMBA	1330Z	05Sep2018	1.98m
INHASSORO	1342Z	05Sep2018	1.35m
MOEBASE	1344Z	05Sep2018	1.13m
ZAVALA	1344Z	05Sep2018	1.91m
OCONE	1348Z	05Sep2018	1.17m
MAPUTO	1348Z	05Sep2018	2.80m
VILA DO CHINDE	1348Z	05Sep2018	1.17m
XAI-XAI	1350Z	05Sep2018	4.22m
AMADE	1352Z	05Sep2018	1.11m
MALUANA	1354Z	05Sep2018	2.63m
NHANGAU	1404Z	05Sep2018	0.95m
MAIONGUE	1420Z	05Sep2018	1.82m
NOVA LUSITANIA	1422Z	05Sep2018	1.88m

MYANMAR

LITTLE COCO ISLAND	0454Z	05Sep2018	2.13m
THAN KYUN	0502Z	05Sep2018	2.98m
GREAT WESTERN TORRES ISLAND	0504Z	05Sep2018	2.38m
PREPARIS ISLAND	0508Z	05Sep2018	2.33m
LORD LOUGHBOROUGH ISLAND	0510Z	05Sep2018	2.38m
KYWEGYAUNG	0540Z	05Sep2018	2.20m
CHEDUBA ISLAND	0540Z	05Sep2018	2.56m
MAWYEN	0548Z	05Sep2018	3.62m
SITTWE	0610Z	05Sep2018	3.73m
THAWINCHAUNG	0612Z	05Sep2018	2.57m
KYAUKPYU	0616Z	05Sep2018	2.28m
MALI KYUN	0620Z	05Sep2018	1.60m
PHARPON	0636Z	05Sep2018	2.28m
MAGYIGYAING	0646Z	05Sep2018	2.90m
YE	0652Z	05Sep2018	1.75m
YANGON-S	0658Z	05Sep2018	1.10m

OMAN

HASIK	0952Z	05Sep2018	2.91m
AD DUQM	0956Z	05Sep2018	1.84m
AL JAZER	1000Z	05Sep2018	1.17m
MIRBAT	1000Z	05Sep2018	2.91m
RAS AR RUWAYS	1002Z	05Sep2018	2.19m
MASIRAH	1004Z	05Sep2018	1.15m
SALALAH	1008Z	05Sep2018	3.07m
TAQAH	1010Z	05Sep2018	3.92m
AL ASHKHARAH	1012Z	05Sep2018	0.87m
SUR	1018Z	05Sep2018	0.84m
MUSCAT	1040Z	05Sep2018	0.95m
SOHAR	1134Z	05Sep2018	0.54m
EAST MUSANDAM	1158Z	05Sep2018	1.25m

PAKISTAN

ORMARA	1032Z	05Sep2018	1.09m
--------	-------	-----------	-------

IOC Technical Series, 138 (I) Supplement 2
page 130

WINDER	1050Z	05Sep2018	1.84m
KARACHI	1110Z	05Sep2018	2.66m
SINDH	1408Z	05Sep2018	1.70m

SEYCHELLES

FREGATE ISLAND	0906Z	05Sep2018	3.92m
COETIVY ISLAND	0910Z	05Sep2018	3.41m
TAKAMAKA	0924Z	05Sep2018	5.73m
ILE DESROCHES	0936Z	05Sep2018	3.21m
ALPHONSE ISLAND	0948Z	05Sep2018	1.80m
FARQUHAR GROUP	1006Z	05Sep2018	2.05m
ASTOVE ISLAND	1036Z	05Sep2018	1.84m
ALDABRA	1048Z	05Sep2018	2.38m

SOMALIA

BANDER-BEYLA	1000Z	05Sep2018	5.63m
EYL	1006Z	05Sep2018	4.24m
TOOXIN	1006Z	05Sep2018	4.76m
JARIIBAN	1012Z	05Sep2018	4.46m
GALDOGOB	1012Z	05Sep2018	5.65m
XARARDHEERE	1016Z	05Sep2018	5.36m
CEEL DHEER	1018Z	05Sep2018	4.55m
MAREEG	1020Z	05Sep2018	4.70m
ABO	1020Z	05Sep2018	1.81m
ITALA	1020Z	05Sep2018	4.14m
UARSCIECH	1028Z	05Sep2018	4.52m
MUQDISHO	1032Z	05Sep2018	5.76m
BEYNAX BARRE	1042Z	05Sep2018	3.86m
BARAAWE	1044Z	05Sep2018	3.92m
TURDHO	1052Z	05Sep2018	3.45m
JILIB	1052Z	05Sep2018	2.47m
NE BEERNAASI	1058Z	05Sep2018	3.78m
KAAMBOONI	1106Z	05Sep2018	3.82m
QANDALA	1108Z	05Sep2018	0.58m
BOSASO	1124Z	05Sep2018	0.51m
SAYLAC	1238Z	05Sep2018	0.64m
LOYADO	1244Z	05Sep2018	0.70m
HADAAFTIMO	1424Z	05Sep2018	0.59m

SOUTH AFRICA

LAKE SIBAYI	1332Z	05Sep2018	3.12m
GWABALANDA HITAWI	1334Z	05Sep2018	2.75m
PORT DURNFORD	1334Z	05Sep2018	3.91m
KOSIMEER	1338Z	05Sep2018	2.79m
FUNK SEAMOUNT	1342Z	05Sep2018	6.82m
MANDI	1346Z	05Sep2018	3.72m
MARGATE	1346Z	05Sep2018	6.37m
BIZANA	1348Z	05Sep2018	4.11m
KELSO	1348Z	05Sep2018	4.66m
LUSIKISIKI	1350Z	05Sep2018	3.94m
PORT ST JOHNS	1350Z	05Sep2018	3.94m
ELLIOTDALE	1350Z	05Sep2018	3.94m
BATHURST	1350Z	05Sep2018	3.94m
PORT ELIZABETH	1350Z	05Sep2018	3.94m
HANKEY	1350Z	05Sep2018	3.94m
ABORETUM	1350Z	05Sep2018	3.30m
GEORGE	1350Z	05Sep2018	3.94m
BREDASDORP	1350Z	05Sep2018	3.94m
WILLOWVALE	1350Z	05Sep2018	3.94m
KENTANI	1350Z	05Sep2018	3.94m
MARSHSTRAND	1350Z	05Sep2018	3.94m
PEDDIE	1350Z	05Sep2018	3.94m
ALEXANDRIA	1350Z	05Sep2018	3.94m
HUMANSDORP	1350Z	05Sep2018	3.94m
MOSSEL	1350Z	05Sep2018	3.94m
HEIDELBERG	1350Z	05Sep2018	3.94m
NGQUELENI	1350Z	05Sep2018	3.94m
WITAAND	1350Z	05Sep2018	3.94m
GAMTOOS	1350Z	05Sep2018	3.94m
ZIKHOVA	1350Z	05Sep2018	3.94m
KAYSER'S BEACH	1350Z	05Sep2018	3.94m

SRI LANKA

OKANDA	0444Z	05Sep2018	9.34m
KIRINDA	0444Z	05Sep2018	8.09m
POTTUVIL	0444Z	05Sep2018	9.62m
AKKARAIPATTU	0444Z	05Sep2018	9.33m

BATTICALOA	0446Z	05Sep2018	9.51m
KATTANKUDI	0450Z	05Sep2018	8.33m
HAMBANTOTA	0450Z	05Sep2018	9.08m
ANAITIVU	0454Z	05Sep2018	9.23m
PANKULAM	0454Z	05Sep2018	7.14m
TANGALLE	0454Z	05Sep2018	6.76m
MATARA	0456Z	05Sep2018	6.46m
GALLE	0500Z	05Sep2018	6.46m
MULLAITTIVU	0500Z	05Sep2018	5.82m
CHUNDIKKULAM	0506Z	05Sep2018	5.96m
AMBALANGODA	0506Z	05Sep2018	4.16m
BERUWALA	0514Z	05Sep2018	3.79m
CHAVAKACHCHERI	0516Z	05Sep2018	3.24m
COLOMBO	0520Z	05Sep2018	3.13m
MORATUWA	0522Z	05Sep2018	5.72m
POINT PEDRO	0522Z	05Sep2018	3.23m
NEGOMBO	0530Z	05Sep2018	3.47m
MUNDAL LAKE	0534Z	05Sep2018	2.75m
MANNAR ISLAND	0544Z	05Sep2018	1.74m
MUSALI	0556Z	05Sep2018	1.40m
TANZANIA			
VUMBA	1128Z	05Sep2018	2.26m
VUMBI	1132Z	05Sep2018	2.33m
ZANZIBAR	1136Z	05Sep2018	2.53m
GAZIJA	1138Z	05Sep2018	2.10m
JIMBO	1140Z	05Sep2018	2.34m
KUTANI	1142Z	05Sep2018	3.65m
MADANGWA	1142Z	05Sep2018	1.92m
SONGO SONGO ISLAND	1144Z	05Sep2018	1.73m
RUVU	1144Z	05Sep2018	2.38m
BOMALANDNI	1150Z	05Sep2018	1.56m
WEST TO KONDE	1150Z	05Sep2018	2.03m
MSASANI	1150Z	05Sep2018	2.07m
BAGAMOYO	1152Z	05Sep2018	1.93m
THAILAND			
THAI MUEANG	0434Z	05Sep2018	6.19m
KO RACHA NOI	0444Z	05Sep2018	4.24m
KOH SURIN TAI	0504Z	05Sep2018	3.85m
KOH LANTA YAI	0518Z	05Sep2018	3.07m
KOH ROK	0528Z	05Sep2018	2.23m
THAI MUEANG TAKUA PA	0530Z	05Sep2018	4.35m
KOH TARUTAO	0538Z	05Sep2018	2.40m
MUEANG SATUN	0538Z	05Sep2018	2.40m
TIMOR-LESTE			
BOBONARO	0826Z	05Sep2018	0.87m
PANTE MACASSAR	0826Z	05Sep2018	0.83m
LIQUICA	0834Z	05Sep2018	0.69m
UNITED ARAB EMIRATES			
KALBA	1136Z	05Sep2018	1.19m
UNITED KINGDOM			
MORESBY ISLAND	0628Z	05Sep2018	11.63m
DIEGO GARCIA	0630Z	05Sep2018	12.10m
NW EGMONT ISLAND	0650Z	05Sep2018	7.10m
YEMEN			
SOCOTRA ISLAND SOUTH	0942Z	05Sep2018	5.07m
SOCOTRA ISLAND NORTH	0958Z	05Sep2018	3.17m
SOCOTRA ISLAND WEST	1012Z	05Sep2018	1.45m
DAMQAWT	1012Z	05Sep2018	3.63m
AL GHAYDAH AIRPORT	1028Z	05Sep2018	2.74m
HUSWAYN	1034Z	05Sep2018	1.84m
ALQUMRAH	1042Z	05Sep2018	1.53m
HAMI	1106Z	05Sep2018	0.91m
AL MUKALLA	1108Z	05Sep2018	0.90m
MASILAH WADI	1108Z	05Sep2018	1.39m
BROM MAYFA	1110Z	05Sep2018	0.76m
HARRAH	1110Z	05Sep2018	1.27m
EAST TO HAMI	1112Z	05Sep2018	0.92m
RUDUM	1120Z	05Sep2018	0.70m
AHWAR	1134Z	05Sep2018	0.64m
KHANFAR	1158Z	05Sep2018	1.40m
MA'ALLAH	1244Z	05Sep2018	0.78m

IOC Technical Series, 138 (I) Supplement 2
page 132

QAWAH	1246Z 05Sep2018	0.76m
AL MUALLA	1306Z 05Sep2018	0.69m
ADEN	1550Z 05Sep2018	1.06m

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

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

#####

TSUNAMI BULLETIN NUMBER 16 (TYPE-IV FINAL BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)
ISSUED AT 1532 UTC Wednesday 05 September 2018

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

1. EARTHQUAKE INFORMATION

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

Magnitude: 9.3 Mwp
Depth: 10km
Date: 05 Sep 2018
Origin Time: 0300 UTC
Latitude: 3.30N
Longitude: 96.00E
Location: Northern Sumatra, Indonesia

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.

Sabang	INDONESIA	5.80N	95.33E	8.00m	05 Sep 03:25 UTC
Meulaboh	INDONESIA	4.17N	96.00E	8.00m	05 Sep 03:40 UTC
Telukdalam	INDONESIA	0.50N	97.83E	6.00m	05 Sep 03:45 UTC
Deep Ocean Buoy 23227	BAY OF BENGAL	6.26N	88.79E	0.46m	05 Sep 04:19 UTC
Seblat	INDONESIA	3.17S	101.50E	1.80m	05 Sep 04:20 UTC
Deep Ocean Buoy 23401	NICOBAR ISLAND	8.90N	88.50E	0.33m	05 Sep 04:24 UTC
Deep Ocean Buoy 23219	BAY OF BENGAL	10.58N	89.28E	0.33m	05 Sep 04:24 UTC
Sibolga	INDONESIA	1.67N	98.67E	4.00m	05 Sep 04:40 UTC
Cocos Island	AUSTRALIA	12.10S	96.89E	2.20m	05 Sep 04:45 UTC
Ko Taphao Noi	THAILAND	7.80N	98.42E	2.50m	05 Sep 04:50 UTC
Christmas Island	AUSTRALIA	10.40S	105.67E	0.75m	05 Sep 05:00 UTC
Port Blair	INDIA	11.70N	92.76E	1.20m	05 Sep 05:00 UTC
Nancowry	INDIA	8.10N	93.55E	5.40m	05 Sep 05:15 UTC
Padang	INDONESIA	1.00S	100.37E	2.00m	05 Sep 05:35 UTC
Trincomalee	SRI LANKA	8.67N	81.33E	1.40m	05 Sep 05:35 UTC
Pangandaran	INDONESIA	7.83S	108.50E	0.60m	05 Sep 06:35 UTC
Langkawi	MALAYSIA	6.50N	99.83E	2.50m	05 Sep 06:05 UTC
Cilacap	INDONESIA	7.80S	109.00E	0.50m	05 Sep 06:40 UTC
Sadeng	INDONESIA	8.33S	110.83E	0.50m	05 Sep 06:40 UTC
Gan	MALDIVES	0.70S	73.15E	2.00m	05 Sep 06:45 UTC
Male	MALDIVES	4.20N	73.53E	1.50m	05 Sep 06:55 UTC
Diego Garcia	UK	7.20S	72.43E	1.60m	05 Sep 06:55 UTC
Deep Ocean Buoy 56003	INDIAN OCEAN	15.02S	117.94E	0.09m	05 Sep 07:00 UTC
Hanimadhoo	MALDIVES	6.80N	73.17E	4.10m	05 Sep 07:05 UTC
Point Murat	AUSTRALIA	21.80S	114.19E	3.20m	05 Sep 07:35 UTC
Cape Cuvier Wharf	AUSTRALIA	24.20S	113.40E	3.00m	05 Sep 08:05 UTC
Deep Ocean Buoy 56001	INDIAN OCEAN	13.99S	110.10E	0.14m	05 Sep 08:40 UTC
Kirinda	SRI LANKA	6.20N	81.32E	3.50m	05 Sep 09:10 UTC
Port Hedland	AUSTRALIA	20.00S	118.42E	2.00m	05 Sep 09:10 UTC
Rodrigues	MAURITIUS	19.70S	63.42E	1.60m	05 Sep 09:10 UTC
Gwadar	PAKISTAN	25.00N	62.00E	8.00m	05 Sep 09:35 UTC
Pt Louis	MAURITIUS	20.17S	57.33E	3.40m	05 Sep 09:55 UTC

IOC Technical Series, 138 (I) Supplement 2
page 134

Chennai	INDIA	13.10N	80.30E	3.20m	05 Sep 10:00 UTC
Pointe des Galets	REUNION ISLA	20.90S	55.28E	2.70m	05 Sep 10:10 UTC
Sainte Marie	REUNION	20.90S	55.54E	4.00m	05 Sep 10:10 UTC
Ormara	PAKISTAN	25.20N	64.07E	0.40m	05 Sep 10:50 UTC
Cochin	INDIA	10.00N	76.17E	1.25m	05 Sep 11:10 UTC
Muscat	OMAN	23.60N	58.57E	0.30m	05 Sep 11:20 UTC
Hillarys Harbor	AUSTRALIA	31.80S	115.74E	4.80m	05 Sep 11:20 UTC
Karachi	PAKISTAN	24.83N	66.83E	0.50m	05 Sep 11:40 UTC
Jask	IRAN	25.60N	57.77E	0.60m	05 Sep 12:00 UTC
Portland	AUSTRALIA	38.30S	141.61E	0.50m	05 Sep 12:30 UTC
Broome	AUSTRALIA	18.00S	122.22E	4.40m	05 Sep 13:00 UTC
Esperance	AUSTRALIA	33.83S	122.00E	0.90m	05 Sep 13:00 UTC
Denis Island	SEYCHELLES	3.80S	55.67E	2.00m	05 Sep 13:10 UTC
Maria Island	AUSTRALIA	42.60S	148.06E	0.15m	05 Sep 13:10 UTC
Darlington	AUSTRALIA	42.60S	148.06E	0.15m	05 Sep 13:10 UTC
Southport Jetty	AUSTRALIA	43.50S	147.00E	0.50m	05 Sep 13:15 UTC
Spring Bay	AUSTRALIA	42.50S	147.93E	0.15m	05 Sep 13:15 UTC
Thevenard	AUSTRALIA	32.10S	133.64E	0.80m	05 Sep 13:30 UTC
Battery Point	AUSTRALIA	43.00S	147.33E	0.40m	05 Sep 13:40 UTC
Kerguelen Island	FRANCE	49.50S	70.17E	2.40m	05 Sep 13:40 UTC
Deep Ocean Buoy 55015	TASMAN SEA 1	46.83S	160.26E	0.03m	05 Sep 13:56 UTC
Deep Ocean Buoy 55042	TASMAN SEA 2	44.85S	161.73E	0.03m	05 Sep 14:10 UTC
Twofold Bay	AUSTRALIA	37.00S	150.00E	0.15m	05 Sep 14:15 UTC
Darwin	AUSTRALIA	12.50S	130.85E	0.50m	05 Sep 14:20 UTC
Stony Point	AUSTRALIA	38.50S	145.17E	0.40m	05 Sep 14:25 UTC
Port Kembla	AUSTRALIA	34.50S	151.00E	0.15m	05 Sep 14:35 UTC
Port Stanvac	AUSTRALIA	35.00S	138.50E	0.40m	05 Sep 14:45 UTC
Puysegur Welcome Bay	NEW ZEALAND	46.17S	166.50E	0.25m	05 Sep 14:50 UTC
Burnie	AUSTRALIA	41.00S	145.83E	0.15m	05 Sep 14:50 UTC
Marion Island	SOUTH AFRICA	46.90S	37.87E	4.00m	05 Sep 14:55 UTC
Lorne	AUSTRALIA	38.50S	144.17E	0.30m	05 Sep 15:25 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/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>

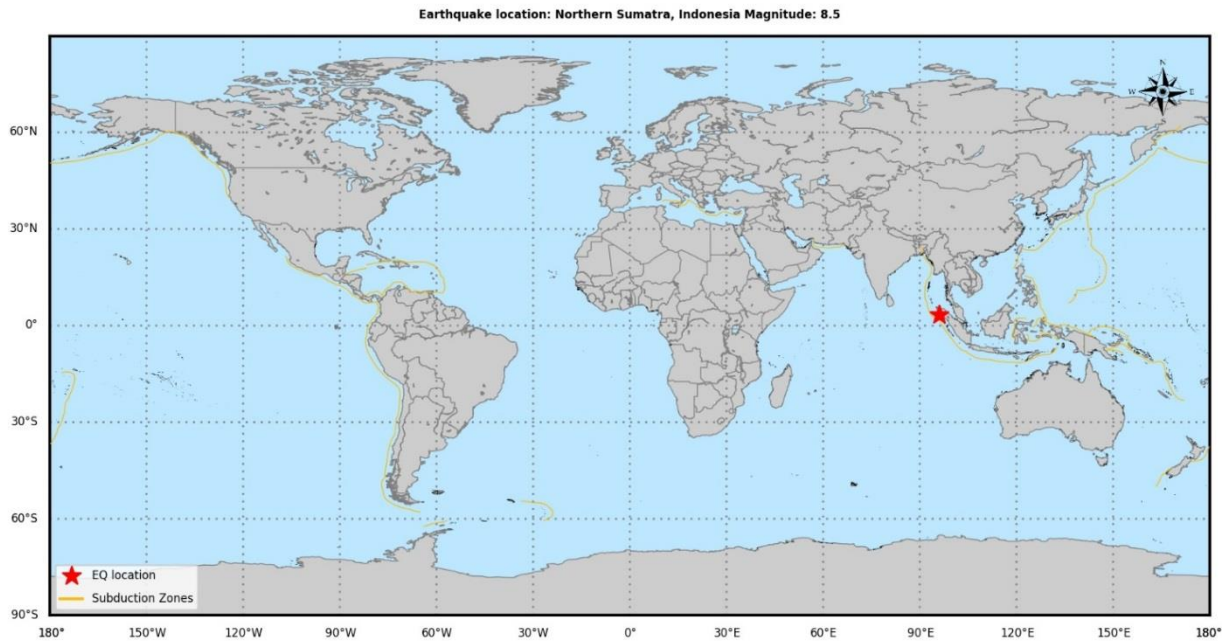
END OF BULLETIN

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

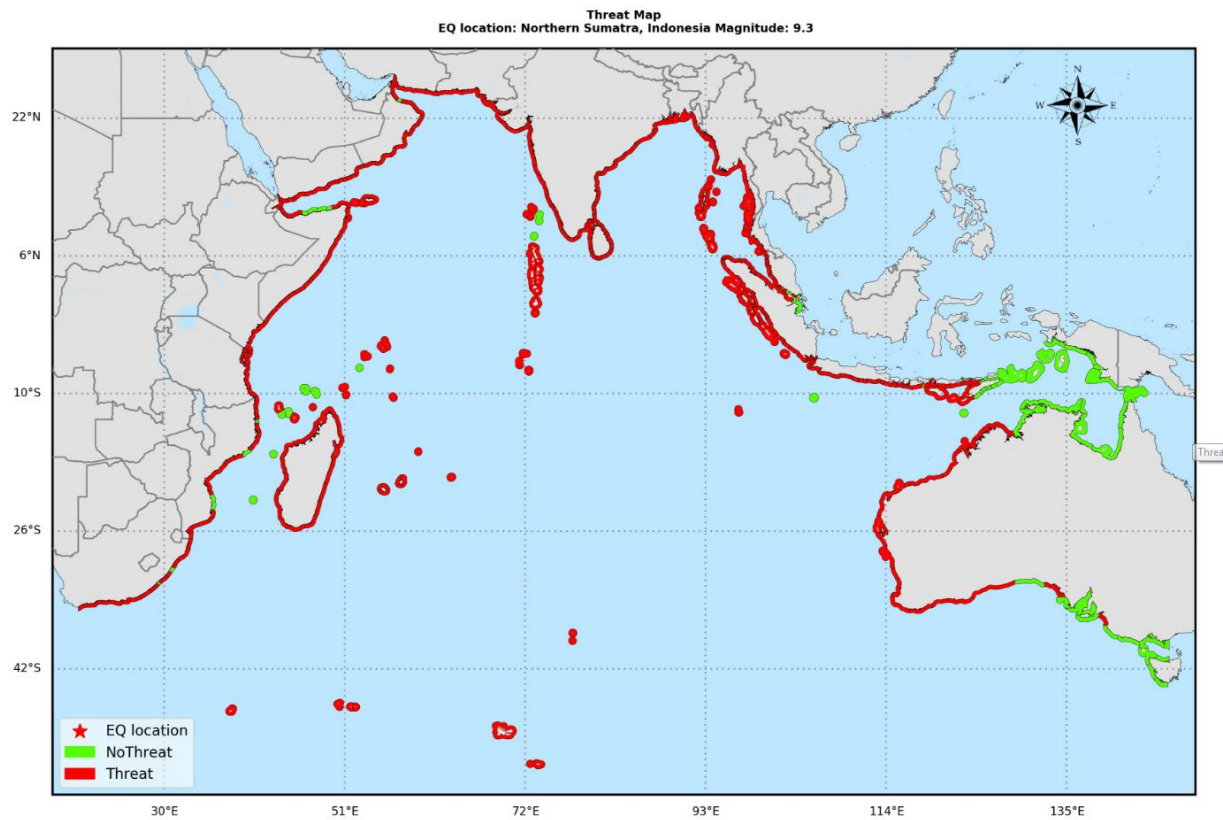
#####

3. TSP INDIA MAPS

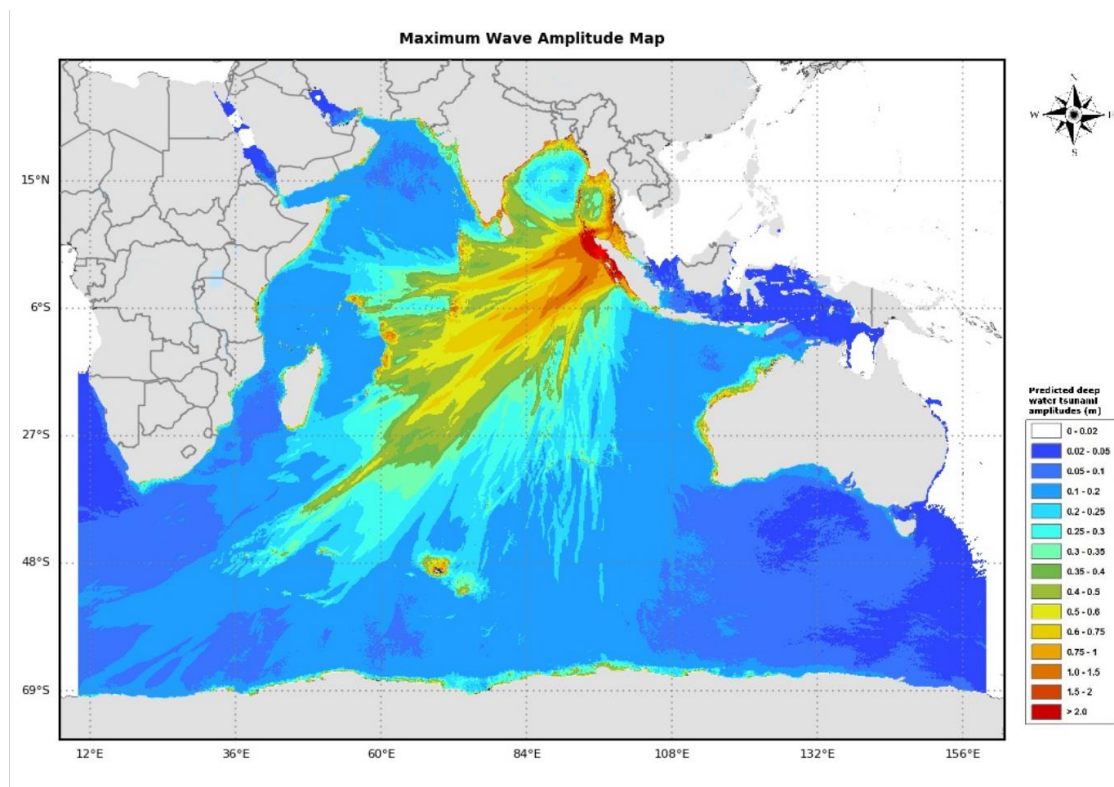
Location Map



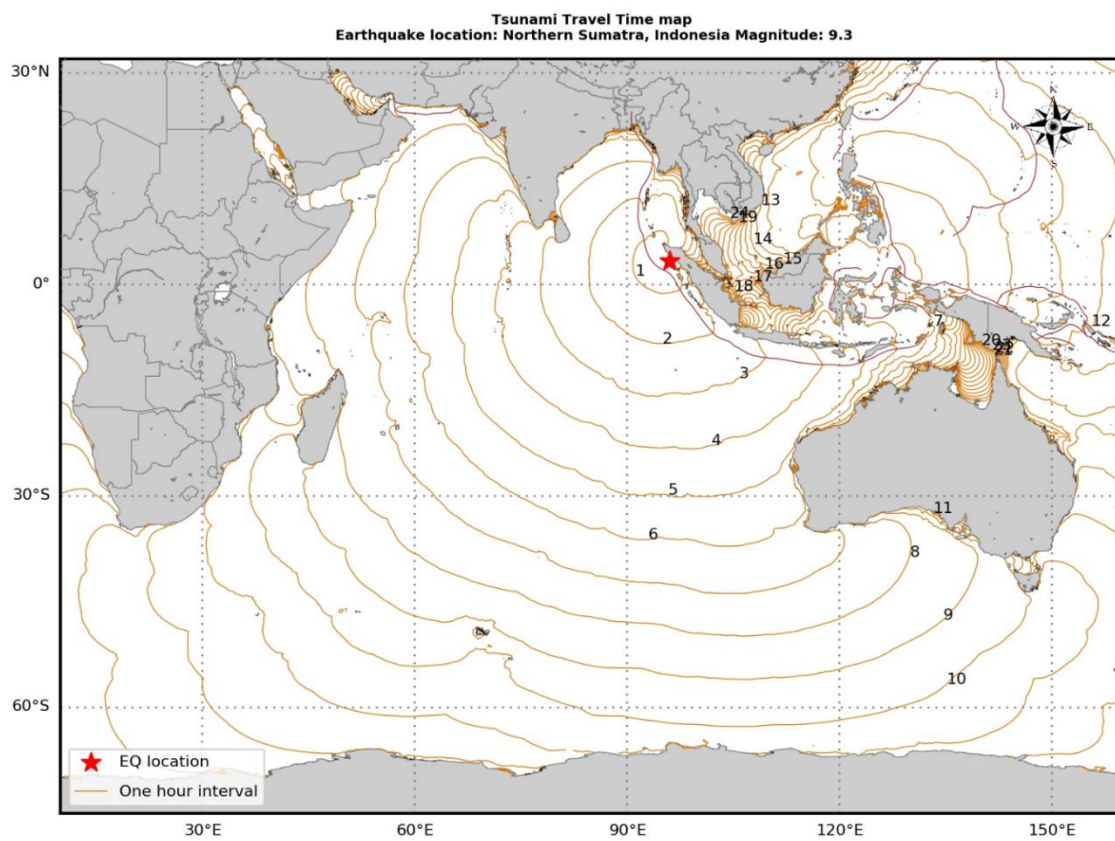
Threat Map



Maximum Wave Amplitude Map



Travel Time Map



4. TSP INDIA BULLETINS

BULLETIN 1

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

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

```
--  
TSUNAMI BULLETIN NUMBER 1  
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWC)  
ISSUED AT 0305 UTC WEDNESDAY 05 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 INDIA has detected an earthquake with the following preliminary  
information:  
Magnitude:    8.5   M  
Depth:        10    km  
Date:         05 SEP 2018  
Origin Time:  0300UTC  
Latitude:     3.3   N  
Longitude:    96    E  
Location:     NORTHERN SUMATRA, INDONESIA
```

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

[illegible]

BULLETIN 2

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

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

```
TSUNAMI BULLETIN NUMBER 2  
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)  
ISSUED AT 0315 UTC Wednesday 05 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 INDIA has detected an earthquake with the following preliminary information:

Magnitude: 8.8 M
Depth: 10 km
Date: 05 SEP 2018
Origin Time: 0300 UTC
Latitude: 3.3 N
Longitude: 96 E
Location: NORTHERN SUMATRA, INDONESIA

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

GERALDTON COAST	1133z	05 Sep 2018	0.9m
HEARD ISLAND AND MCDONALD ISLANDS	1325z	05 Sep 2018	0.9m
PILBARA COAST WEST	1514z	05 Sep 2018	1.0m
GASCOYNE COAST	1916z	05 Sep 2018	0.7m
BUNBURY GEOGRAPHE COAST	2232z	05 Sep 2018	0.7m
PILBARA COAST EAST	2246z	05 Sep 2018	0.5m
NINGALOO COAST	0120z	06 Sep 2018	0.5m

BANGLADESH

KUTUBDIA ISLAND	1825z	05 Sep 2018	0.7m
COXS BAZAR	2009z	05 Sep 2018	0.7m
BARGUNA	2116z	05 Sep 2018	0.7m

COMOROS

CHEZANI	1507z	05 Sep 2018	0.6m
---------	-------	-------------	------

FRANCE

ILE SAINT-PAUL-SOUTH	1112z	05 Sep 2018	0.5m
ILE KERGUELEN	1239z	05 Sep 2018	1.8m
ILE DE LA POSSESSION	1250z	05 Sep 2018	0.8m
CROZET PLATEAU	1311z	05 Sep 2018	1.0m

INDIA

INDIRA POINT	0338z	05 Sep 2018	2.4m
KOMATRA & KATCHAL ISLAND	0403z	05 Sep 2018	2.5m
CAR NICOBAR	0421z	05 Sep 2018	1.7m
LITTLE ANDAMAN	0440z	05 Sep 2018	3.5m
PORT BLAIR	0450z	05 Sep 2018	2.3m
HAVELOCK	0459z	05 Sep 2018	1.3m
NORTH SENTINEL ISLAND	0504z	05 Sep 2018	1.3m
RANGATH BAY	0514z	05 Sep 2018	1.3m
DIGLIPUR	0529z	05 Sep 2018	1.0m
POOMBUHAR	0558z	05 Sep 2018	1.9m
CUDDALORE	0558z	05 Sep 2018	1.3m
PUDUCHERRY	0558z	05 Sep 2018	1.5m
MARAKKANAM	0559z	05 Sep 2018	1.3m
KARAIKAL	0605z	05 Sep 2018	1.8m
ENNORE	0606z	05 Sep 2018	1.8m
CHENNAI	0608z	05 Sep 2018	1.8m
MAHABALIPURAM	0610z	05 Sep 2018	2.1m
SRIHARIKOTA	0612z	05 Sep 2018	2.4m
MACHILIPATNAM	0618z	05 Sep 2018	1.4m
KAKINADA	0625z	05 Sep 2018	1.2m
NAGAPATTINAM	0633z	05 Sep 2018	1.4m
KALINGAPATNAM	0638z	05 Sep 2018	1.6m
VISAKHAPATNAM	0640z	05 Sep 2018	1.0m
PURI	0644z	05 Sep 2018	0.8m
GOPALPUR	0646z	05 Sep 2018	1.2m
PERUPALEM	0649z	05 Sep 2018	1.0m
KOTTAPATNAM	0653z	05 Sep 2018	1.7m
NIJAMPATTANAM	0659z	05 Sep 2018	1.2m
KANYAKUMARI	0700z	05 Sep 2018	1.2m
KONADA	0706z	05 Sep 2018	1.3m
FLAT ISLAND	0718z	05 Sep 2018	1.0m
MALLIPATTINAM	0844z	05 Sep 2018	1.5m

MUTHUPET	0851z	05 Sep 2018	1.3m
TUTICORIN	0903z	05 Sep 2018	1.2m
KOODANKULAM	0928z	05 Sep 2018	1.0m
RAMESWARAM	1016z	05 Sep 2018	0.8m
TRIVANDRUM	1032z	05 Sep 2018	1.0m
QUILON	1042z	05 Sep 2018	0.6m
KOTTTAIPPATTANAM	1124z	05 Sep 2018	0.9m
WEST & LANDFALL ISLAND	1132z	05 Sep 2018	0.9m
ALLEPPEY ALAPPUZHA	1155z	05 Sep 2018	0.6m
PARADIP	1407z	05 Sep 2018	0.7m
JAMBOO	1429z	05 Sep 2018	0.7m
JAIGARH	1433z	05 Sep 2018	0.5m
BEYPORE	1525z	05 Sep 2018	0.6m
VADANAPPALLY	1600z	05 Sep 2018	0.5m
DHAMRA	1645z	05 Sep 2018	0.7m
CHANDIPUR	1738z	05 Sep 2018	0.8m
COCHIN	1810z	05 Sep 2018	0.6m
VAKKAD	1849z	05 Sep 2018	0.7m
KANNUR	1910z	05 Sep 2018	0.6m
NAMKHANA	2210z	05 Sep 2018	0.5m
AGATTI	2225z	05 Sep 2018	0.5m
UDUPI	2233z	05 Sep 2018	0.6m
HEMNAGAR	2248z	05 Sep 2018	0.6m
DIGHA	2250z	05 Sep 2018	0.8m
MAHE	2250z	05 Sep 2018	0.6m
KASARAGOD	2317z	05 Sep 2018	0.6m
KARWAR	2343z	05 Sep 2018	0.5m
MANGALORE	0245z	06 Sep 2018	0.5m
VASCO	0348z	06 Sep 2018	0.7m

INDONESIA

NAD SIMEULUE P.SIMEULUE	0302z	05 Sep 2018	7.7m
NAD ACEH-SINGKIL KEP.BANYAK	0302z	05 Sep 2018	4.3m
SUMUT NIAS-SELATAN P.NIAS	0302z	05 Sep 2018	3.1m
GUNUNGSITOLI	0306z	05 Sep 2018	3.5m
SUMUT NIAS B	0308z	05 Sep 2018	4.7m
NAD ACEH-SELATAN S	0310z	05 Sep 2018	4.1m
SUMUT NIAS-SELATAN P.TANABALA	0311z	05 Sep 2018	2.9m
SUMUT NIAS-SELATAN P.TANAHMASA	0314z	05 Sep 2018	2.7m
NAD ACEH-SELATAN U	0315z	05 Sep 2018	3.7m
NAD ACEH-SINGKIL	0317z	05 Sep 2018	3.3m
NAD ACEH-BARAT-DAYA	0318z	05 Sep 2018	4.5m
SOUTH OF BODAHAYIONE	0318z	05 Sep 2018	2.1m
NAD ACEH-JAYA	0321z	05 Sep 2018	9.1m
NAD NAGAN-RAYA	0322z	05 Sep 2018	7.3m
SUMUT MANDAILING-NATAL U	0323z	05 Sep 2018	2.6m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0323z	05 Sep 2018	2.2m
NAD ACEH-BESAR B	0326z	05 Sep 2018	3.7m
NAD ACEH-BARAT	0329z	05 Sep 2018	6.4m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0329z	05 Sep 2018	2.8m
NAD ACEH-BESAR P.BREUEH	0329z	05 Sep 2018	2.6m
NIAS	0330z	05 Sep 2018	2.6m
NIAS-NORTH	0332z	05 Sep 2018	2.1m
NAD KOTA-BANDA-ACEH	0333z	05 Sep 2018	2.0m
SUMUT TAPANULI-TENGAH S	0335z	05 Sep 2018	3.8m
NAD ACEH-BESAR P.PENASI	0335z	05 Sep 2018	2.7m
SUMUT TAPANULI-SELATAN	0340z	05 Sep 2018	3.3m
SUMUT TAPANULI-TENGAH U	0340z	05 Sep 2018	3.6m
NAD KOTA-SABANG P.WEH	0340z	05 Sep 2018	1.1m
NAD ACEH-BESAR U	0358z	05 Sep 2018	0.7m

NAD PIDIE	0408z	05 Sep 2018	0.7m
MUARASIBERUT	0415z	05 Sep 2018	2.3m
NAD BIREUEN	0416z	05 Sep 2018	1.0m
NAD ACEH-UTARA B	0428z	05 Sep 2018	0.6m
NAD KOTA-LHOKSEUMAWA	0429z	05 Sep 2018	0.7m
NAD ACEH-UTARA T	0435z	05 Sep 2018	1.0m
NIAS-EAST	0443z	05 Sep 2018	2.2m
NAD ACEH-TIMUR	0455z	05 Sep 2018	1.1m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0504z	05 Sep 2018	0.9m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0513z	05 Sep 2018	1.0m
SUMBAR KOTA-PADANG U	0548z	05 Sep 2018	2.3m
SUMBAR KOTA-PADANG U	0559z	05 Sep 2018	1.1m
SUMUT MANDAILING-NATAL S	0613z	05 Sep 2018	1.7m
LAMPUNG TANGGAMUS T	0715z	05 Sep 2018	0.7m
LAMPUNG TANGGAMUS B	0720z	05 Sep 2018	0.7m
BANTEN KOTA-CILEGON	0840z	05 Sep 2018	0.8m
BENGKULU BENGKULU-UTARA S	0851z	05 Sep 2018	0.8m
SUMBAR AGAM	0853z	05 Sep 2018	1.7m
BANTEN PANDEGLANG P.PANAITAN	0912z	05 Sep 2018	1.1m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0930z	05 Sep 2018	1.1m
SUMBAR PESISIR-SELATAN S	0954z	05 Sep 2018	1.5m
SUMBAR PADANG-PARIAMAN U	0959z	05 Sep 2018	1.2m
MURASAIBI	1010z	05 Sep 2018	0.9m
SAKUBO	1015z	05 Sep 2018	0.7m
MUARASIGEP	1018z	05 Sep 2018	0.9m
SUMBAR KOTA-PADANG S	1020z	05 Sep 2018	1.0m
SUMBAR KOTA-PARIAMAN	1031z	05 Sep 2018	0.9m
SUMBAR PESISIR-SELATAN U	1039z	05 Sep 2018	1.1m
SUMBAR PADANG-PARIAMAN S	1043z	05 Sep 2018	0.9m
BENGKULU MUKOMUKO	1101z	05 Sep 2018	0.8m
BANTEN PANDEGLANG U	1112z	05 Sep 2018	0.6m
BENGKULU BENGKULU-UTARA U	1125z	05 Sep 2018	0.6m
BENGKULU SELUMA	1150z	05 Sep 2018	0.7m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	1156z	05 Sep 2018	0.8m
LAMPUNG LAMPUNG-SELATAN KALIANDA	1308z	05 Sep 2018	0.8m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	1400z	05 Sep 2018	0.7m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	1420z	05 Sep 2018	0.9m
BENGKULU BENGKULU-SELATAN	1638z	05 Sep 2018	0.5m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	1826z	05 Sep 2018	0.5m
JATENG CILACAP	1940z	05 Sep 2018	0.5m
NAD ACEH-TAMIAANG	2054z	05 Sep 2018	0.8m
NAD KOTA-LANGSA	2132z	05 Sep 2018	0.6m
JATENG WONOGIRI	2152z	05 Sep 2018	0.6m
SUMUT SERDANG-BEDAGAI	2259z	05 Sep 2018	0.5m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0007z	06 Sep 2018	0.5m
LAMPUNG LAMPUNG-SELATAN B	0016z	06 Sep 2018	0.6m
BALI DENPASAR PANTAI-SANUR	0200z	06 Sep 2018	0.6m
DIY GUNUNG-KIDUL	0235z	06 Sep 2018	0.6m
JATIM PACITAN	0331z	06 Sep 2018	0.6m
BENGKULU BENGKULU-UTARA P.ENGGANO	0337z	06 Sep 2018	0.5m
JATIM JEMBER P.NUSABARUNG	0338z	06 Sep 2018	0.6m
JATENG PURWOREJO	0339z	06 Sep 2018	0.5m
JATIM BLITAR	0342z	06 Sep 2018	0.5m
BANTEN LEBAK	0345z	06 Sep 2018	0.5m
KENYA			

KIWAYU	1220z	05 Sep 2018	0.9m
KIPINI	1622z	05 Sep 2018	0.8m
KISIMACHANDE	1628z	05 Sep 2018	0.5m
MALINDI	1745z	05 Sep 2018	0.6m

MADAGASCAR

TOAMASINA AIRPORT	1120z	05 Sep 2018	0.8m	
AMBAHY	1126z	05 Sep 2018	1.0m	
FARAFAGANA	1130z	05 Sep 2018	0.7m	
MANANTENINA	1143z	05 Sep 2018	1.2m	
SAMPONA	1300z	05 Sep 2018	0.7m	
VOHEMAR	1328z	05 Sep 2018	0.8m	
TAMPOLO	1358z	05 Sep 2018	0.9m	
GLORIOSO ISLANDS	1655z	05 Sep 2018	0.5m	
ANDROKA	2118z	05 Sep 2018	0.6m	

MALAYSIA

SEBERANG PERAI UTARA & BARAT DAYA	0725z	05 Sep 2018	0.9m	
WEST OF ALOR SETAR	1449z	05 Sep 2018	0.6m	
KUALA MUDA	2128z	05 Sep 2018	0.7m	
MANJUNG	2229z	05 Sep 2018	0.6m	
SEBERANG PERAI SELATAN	0048z	06 Sep 2018	0.6m	
KERIAN	0052z	06 Sep 2018	0.5m	
LARUT AND MATANG	0056z	06 Sep 2018	0.6m	
HILIR PERAK	0237z	06 Sep 2018	0.5m	

MALDIVES

DHIYAMIGILI	0622z	05 Sep 2018	1.6m	
HITHADHOO	0623z	05 Sep 2018	1.2m	
KOLHUFUSHI	0623z	05 Sep 2018	1.4m	
MALE	0623z	05 Sep 2018	1.8m	
THINADHOO	0624z	05 Sep 2018	1.2m	
KULHUDUFFUSHI	0631z	05 Sep 2018	1.6m	
NILANDHOO	0644z	05 Sep 2018	1.2m	
GOIDHOO	0830z	05 Sep 2018	1.0m	
FERIDHOO	0832z	05 Sep 2018	0.9m	

MAURITIUS

LA FERME	0852z	05 Sep 2018	1.0m	
CARGADOS CARAJOS	1001z	05 Sep 2018	0.9m	
GRANDE REVIERE SUD EST-EAST	1017z	05 Sep 2018	0.7m	

MOZAMBIQUE

MAGANJA	1530z	05 Sep 2018	0.9m	
MERONVI	1553z	05 Sep 2018	0.8m	
MOGINCUAL	2110z	05 Sep 2018	0.5m	
PEMBA	2206z	05 Sep 2018	0.6m	
MOEBASE	2231z	05 Sep 2018	0.5m	
INHARRIME	0002z	06 Sep 2018	0.6m	
QUITERAJO	0041z	06 Sep 2018	0.6m	
LUMBO	0111z	06 Sep 2018	0.6m	
ZAVALA	0313z	06 Sep 2018	0.5m	
XAI-XAI	0346z	06 Sep 2018	0.5m	

MYANMAR

THAN KYUN	0522z	05 Sep 2018	0.8m	
LORD LOUGHBOROUGH ISLAND	0530z	05 Sep 2018	0.9m	
MAGYIGYAING	0701z	05 Sep 2018	0.7m	
GREAT WESTERN TORRES ISLAND	1013z	05 Sep 2018	0.8m	

PHARPON	1134z	05 Sep 2018	0.7m
CHEDUBA ISLAND	1354z	05 Sep 2018	0.9m
MAWYEN	1538z	05 Sep 2018	0.7m
LITTLE COCO ISLAND	1543z	05 Sep 2018	0.7m
KYWEGYAUNG	1558z	05 Sep 2018	0.7m
KYAUKPYU	1646z	05 Sep 2018	0.7m
SITTWE	1654z	05 Sep 2018	0.7m
PREPARIS ISLAND	1940z	05 Sep 2018	0.6m
THAWINCHAUNG	2026z	05 Sep 2018	0.6m
MALI KYUN	2043z	05 Sep 2018	0.6m
YE	2103z	05 Sep 2018	0.6m
YANGON-S	0132z	06 Sep 2018	0.8m

OMAN

HASIK	1234z	05 Sep 2018	0.6m
SALALAH	1311z	05 Sep 2018	0.8m
TAQAH	1536z	05 Sep 2018	0.5m

PAKISTAN

WINDER	0205z	06 Sep 2018	0.5m
--------	-------	-------------	------

SEYCHELLES

FREGATE ISLAND	1306z	05 Sep 2018	0.6m
TAKAMAKA	2000z	05 Sep 2018	0.6m

SOMALIA

BANDER-BEYLA	1018z	05 Sep 2018	1.1m
EYL	1026z	05 Sep 2018	1.0m
GALDOGOB	1026z	05 Sep 2018	1.1m
TOOXIN	1027z	05 Sep 2018	1.4m
ITALA	1036z	05 Sep 2018	0.6m
UARSCIECH	1038z	05 Sep 2018	0.6m
XARARDHEERE	1038z	05 Sep 2018	1.1m
MAREEG	1040z	05 Sep 2018	0.8m
MUQDISHO	1044z	05 Sep 2018	0.7m
BARAAWE	1107z	05 Sep 2018	0.8m
NE BEERNAASI	1150z	05 Sep 2018	0.9m
JARIIBAN	1316z	05 Sep 2018	0.8m
CEEL DHEER	1336z	05 Sep 2018	0.8m
KAAMBOONI	1341z	05 Sep 2018	0.5m
ABO	1409z	05 Sep 2018	0.8m

SOUTH AFRICA

LAKE SIBAYI	1457z	05 Sep 2018	0.6m
FUNK SEAMOUNT	1548z	05 Sep 2018	0.9m
KAYSERS BEACH	1611z	05 Sep 2018	0.9m
MARSHSTRAND	1721z	05 Sep 2018	0.7m
KENTANI	1726z	05 Sep 2018	0.6m
MANDI	1837z	05 Sep 2018	0.7m
WILLOWVALE	1918z	05 Sep 2018	0.5m
PORT DURNFORD	1931z	05 Sep 2018	0.5m
ABORETUM	2002z	05 Sep 2018	0.6m
MOSSEL	2019z	05 Sep 2018	1.1m
BREDASDORP	2101z	05 Sep 2018	0.6m
BIZANA	2127z	05 Sep 2018	0.7m
PORT ST JOHNS	2221z	05 Sep 2018	0.6m

HEIDELBERG	0023z	06 Sep 2018	0.5m
ALEXANDRIA	0240z	06 Sep 2018	0.6m
HUMANSDORP	0345z	06 Sep 2018	0.5m
GEORGE	0359z	06 Sep 2018	0.5m

SRI LANKA

KIRINDA	0507z	05 Sep 2018	2.1m
AKKARAIPATTU	0508z	05 Sep 2018	1.4m
BATTICALOA	0508z	05 Sep 2018	1.6m
POTTUVIL	0510z	05 Sep 2018	1.5m
HAMBANTOTA	0522z	05 Sep 2018	1.6m
KATTANKUDI	0522z	05 Sep 2018	1.8m
PANKULAM	0524z	05 Sep 2018	2.3m
MULLAITTIVU	0535z	05 Sep 2018	1.2m
CHUNDIKKULAM	0549z	05 Sep 2018	1.6m
ANAITIVU	0554z	05 Sep 2018	0.9m
MATARA	0631z	05 Sep 2018	1.3m
CHAVAKACHCHERI	0642z	05 Sep 2018	1.1m
GALLE	0646z	05 Sep 2018	1.4m
TANGALLE	0648z	05 Sep 2018	0.8m
OKANDA	0721z	05 Sep 2018	0.8m
POINT PEDRO	0725z	05 Sep 2018	1.1m
MORATUWA	0931z	05 Sep 2018	0.9m
AMBALANGODA	0936z	05 Sep 2018	0.9m
BERUWALA	0939z	05 Sep 2018	0.9m
NEGOMBO	0946z	05 Sep 2018	0.6m
MUNDAL LAKE	0951z	05 Sep 2018	0.7m
COLOMBO	0954z	05 Sep 2018	1.0m
MANNAR ISLAND	1440z	05 Sep 2018	0.7m
MUSALI	1703z	05 Sep 2018	0.5m

TANZANIA

KUTANI	1231z	05 Sep 2018	0.6m
MADANGWA	1425z	05 Sep 2018	0.6m
SONGO SONGO ISLAND	1433z	05 Sep 2018	0.6m
RUVU	1510z	05 Sep 2018	0.6m
VUMBA	1653z	05 Sep 2018	0.5m
MSASANI	1937z	05 Sep 2018	0.6m
JIMBO	1938z	05 Sep 2018	0.6m
BAGAMOYO	1951z	05 Sep 2018	0.6m
WEST TO KONDE	2141z	05 Sep 2018	0.5m
ZANZIBAR	0204z	06 Sep 2018	0.5m

THAILAND

THAI MUEANG	0453z	05 Sep 2018	1.1m
KO RACHA NOI	0502z	05 Sep 2018	0.9m
KOH SURIN TAI	0514z	05 Sep 2018	1.0m
THAI MUEANG TAKUA PA	0533z	05 Sep 2018	1.0m
KOH TARUTAO	0636z	05 Sep 2018	1.0m
KOH LANTA YAI	1427z	05 Sep 2018	0.9m
MUEANG SATUN	0230z	06 Sep 2018	0.7m

UNITED KINGDOM

MORESBY ISLAND	0637z	05 Sep 2018	1.7m
DIEGO GARCIA	0642z	05 Sep 2018	1.1m

YEMEN

SOCOTRA ISLAND SOUTH	1102z	05	Sep	2018	1.1m
AL GHAYDAH AIRPORT	1228z	05	Sep	2018	0.9m
HUSWAYN	1406z	05	Sep	2018	0.7m
SOCOTRA ISLAND NORTH	1427z	05	Sep	2018	0.7m
DAMQAWT	1541z	05	Sep	2018	0.6m
AL MUKALLA	2149z	05	Sep	2018	0.5m
HARRAH	2222z	05	Sep	2018	0.5m
ALOUMRAH	0001z	06	Sep	2018	0.5m

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 TSP INDIA for this event as more information becomes available.

Other TSPs may issue additional information at:

TSP AUSTRALIA: <http://reg.bom.gov.au/tsunami/rtsf/>

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

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

#

####

-

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

--

TSUNAMI BULLETIN NUMBER 3

IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)

ISSUED AT 0330 UTC Wednesday 05 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: 9.3 M

Depth: 10 km

Date: 05 SEP 2018

Origin Time: 0300UTC

Latitude: 3.3 N

Longitude: 96 E

Location: NORTHERN SUMATRA, INDONESIA

2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.

Maximum wave amplitudes observed so far:

Sabang (INDONESIA) 5.83 N 95.33 E 0325z 05 Sep 2018 8.0m

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

COCOS ISLAND 0519z 05 Sep 2018 0.9m

NINGALOO COAST 0815z 05 Sep 2018 1.1m

PILBARA COAST WEST 0850z 05 Sep 2018 2.2m

GASCOYNE COAST	0852z	05 Sep 2018	1.9m
PILBARA COAST EAST	0922z	05 Sep 2018	1.9m
GERALDTON COAST	0945z	05 Sep 2018	2.3m
PERTH COAST	0957z	05 Sep 2018	1.1m
LEEUEWIN COAST	1012z	05 Sep 2018	1.3m
BUNBURY GEOGRAPHE COAST	1016z	05 Sep 2018	2.2m
WEST KIMBERLY COAST	1033z	05 Sep 2018	1.5m
LANCELIN COAST	1256z	05 Sep 2018	1.3m
HEARD ISLAND AND MCDONALD ISLANDS	1312z	05 Sep 2018	1.9m
AURORA BANK	1417z	05 Sep 2018	0.8m
NORTH KIMBERLY COAST	1740z	05 Sep 2018	0.8m
ALBANY COAST	1806z	05 Sep 2018	0.7m
EUCLA COAST	0116z	06 Sep 2018	0.7m
UPPER WEST COAST SA	0254z	06 Sep 2018	0.7m
ESPERANCE COAST	0258z	06 Sep 2018	0.6m
UPPER SOUTH EAST COAST SA	0331z	06 Sep 2018	0.6m

BANGLADESH

CHALNA	0657z	05 Sep 2018	1.4m
COXS BAZAR	0702z	05 Sep 2018	2.1m
KUTUBDIA ISLAND	0722z	05 Sep 2018	1.8m
BARGUNA	0731z	05 Sep 2018	1.8m

COMOROS

CHEZANI	1148z	05 Sep 2018	1.2m
DZAOUDZI	1403z	05 Sep 2018	0.7m

DJIBOUTI

NW ARTA	1305z	05 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1308z	05 Sep 2018	0.9m

FRANCE

ILE SAINT-PAUL-NORTH	0949z	05 Sep 2018	0.7m
ILE SAINT-PAUL-SOUTH	1005z	05 Sep 2018	1.0m
SAINT-JOSEPH	1009z	05 Sep 2018	0.6m
SAINT-DENIS	1021z	05 Sep 2018	0.6m
ILE KERGUELEN	1230z	05 Sep 2018	4.7m
NES CROZET	1246z	05 Sep 2018	0.7m
ILE DE LA POSSESSION	1248z	05 Sep 2018	1.5m
CROZET PLATEAU	1308z	05 Sep 2018	1.2m

INDIA

INDIRA POINT	0302z	05 Sep 2018	8.0m
KOMATRA & KATCHAL ISLAND	0325z	05 Sep 2018	6.7m
CAR NICOBAR	0344z	05 Sep 2018	3.8m
LITTLE ANDAMAN	0402z	05 Sep 2018	8.2m
PORT BLAIR	0407z	05 Sep 2018	4.2m
BARREN ISLAND	0411z	05 Sep 2018	1.1m
HAVELOCK	0416z	05 Sep 2018	3.5m
NORTH SENTINEL ISLAND	0422z	05 Sep 2018	3.2m
RANGATH BAY	0425z	05 Sep 2018	3.5m
NARCONDAM ISLAND	0428z	05 Sep 2018	1.1m
DIGLIPUR	0431z	05 Sep 2018	1.8m
WEST & LANDFALL ISLAND	0455z	05 Sep 2018	2.2m
FLAT ISLAND	0458z	05 Sep 2018	3.0m
MARAKKANAM	0533z	05 Sep 2018	2.5m

PUDUCHERRY	0534z	05 Sep 2018	2.8m
CUDDALORE	0535z	05 Sep 2018	2.5m
POOMBUHAR	0536z	05 Sep 2018	3.2m
ENNORE	0540z	05 Sep 2018	3.9m
MAHABALIPURAM	0541z	05 Sep 2018	5.8m
NAGAPATTINAM	0544z	05 Sep 2018	4.8m
MACHILIPATNAM	0545z	05 Sep 2018	3.5m
SRIHARIKOTA	0546z	05 Sep 2018	3.4m
CHENNAI	0546z	05 Sep 2018	4.7m
KARAIKAL	0547z	05 Sep 2018	4.8m
PERUPALEM	0549z	05 Sep 2018	2.9m
KAKINADA	0551z	05 Sep 2018	4.5m
MALLIPATTINAM	0552z	05 Sep 2018	3.1m
MUTHUPET	0552z	05 Sep 2018	3.2m
NIJAMPATTANAM	0553z	05 Sep 2018	4.8m
KOTTAPATNAM	0600z	05 Sep 2018	5.2m
VISAKHAPATNAM	0603z	05 Sep 2018	3.7m
KALINGAPATNAM	0604z	05 Sep 2018	4.5m
KONADA	0609z	05 Sep 2018	4.1m
RAMESWARAM	0612z	05 Sep 2018	1.8m
PURI	0612z	05 Sep 2018	2.3m
GOPALPUR	0613z	05 Sep 2018	4.0m
PARADIP	0615z	05 Sep 2018	2.0m
KOTTTAIPPATTANAM	0615z	05 Sep 2018	2.2m
TUTICORIN	0619z	05 Sep 2018	3.4m
KOODANKULAM	0625z	05 Sep 2018	2.8m
KANYAKUMARI	0632z	05 Sep 2018	3.8m
JAMBOO	0632z	05 Sep 2018	2.1m
TRIVANDRUM	0655z	05 Sep 2018	2.0m
QUILON	0702z	05 Sep 2018	1.4m
DHAMRA	0702z	05 Sep 2018	2.6m
ALLEPPEY ALAPPUZHA	0707z	05 Sep 2018	1.4m
HEMNAGAR	0708z	05 Sep 2018	1.9m
NAMKHANA	0711z	05 Sep 2018	2.1m
CHANDIPUR	0717z	05 Sep 2018	2.2m
DIGHA	0718z	05 Sep 2018	2.3m
KAVARATTI	0737z	05 Sep 2018	0.9m
VADANAPPALLY	0741z	05 Sep 2018	1.3m
VAKKAD	0758z	05 Sep 2018	1.5m
BEYPORE	0801z	05 Sep 2018	1.8m
AGATTI	0804z	05 Sep 2018	1.0m
KANNUR	0809z	05 Sep 2018	1.7m
MAHE	0810z	05 Sep 2018	1.3m
KASARAGOD	0820z	05 Sep 2018	2.0m
KARWAR	1016z	05 Sep 2018	1.4m
UDUPI	1019z	05 Sep 2018	1.6m
JAIGARH	1023z	05 Sep 2018	1.1m
COCHIN	1032z	05 Sep 2018	1.4m
VASCO	1304z	05 Sep 2018	1.2m
PANAJI	1317z	05 Sep 2018	1.0m
MALVAN BAY	1322z	05 Sep 2018	0.8m
MANGROL	1434z	05 Sep 2018	0.8m
PORBANDAR	1444z	05 Sep 2018	0.8m
ALIBAG PORT	1445z	05 Sep 2018	1.0m
DWARKA	1447z	05 Sep 2018	1.0m
HAZIRA, DIU	1454z	05 Sep 2018	0.9m
JAMNAGAR	1455z	05 Sep 2018	1.0m
MANGALORE	1508z	05 Sep 2018	1.7m
MUMBAI	1522z	05 Sep 2018	0.6m
AMINI	1524z	05 Sep 2018	0.6m
PIPAVAV	1645z	05 Sep 2018	0.7m

TARAPUR	1647z	05 Sep 2018	1.0m
MANDVI	1726z	05 Sep 2018	0.7m
MAHUA	1826z	05 Sep 2018	0.9m
KHAMBAT	1837z	05 Sep 2018	0.7m
DAMAN	2123z	05 Sep 2018	1.0m
BORSI	2126z	05 Sep 2018	1.0m
HAZIRA	2128z	05 Sep 2018	0.9m
BHARUCH	2141z	05 Sep 2018	0.8m
INDONESIA			

SUMUT MANDAILING-NATAL U	0302z	05 Sep 2018	5.7m
SUMUT NIAS-SELATAN P.TANABALA	0302z	05 Sep 2018	5.9m
NAD SIMEULUE P.SIMEULUE	0302z	05 Sep 2018	10.1m
NAD ACEH-SINGKIL KEP.BANYAK	0302z	05 Sep 2018	6.2m
SUMUT NIAS-SELATAN P.NIAS	0302z	05 Sep 2018	5.9m
GUNUNGSITOLI	0302z	05 Sep 2018	4.4m
MUARASIBERUT	0302z	05 Sep 2018	5.8m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0302z	05 Sep 2018	11.6m
SUMUT MANDAILING-NATAL S	0302z	05 Sep 2018	6.0m
SAKUBO	0302z	05 Sep 2018	5.6m
NIAS	0302z	05 Sep 2018	5.3m
NAD KOTA-SABANG P.WEH	0303z	05 Sep 2018	7.3m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0303z	05 Sep 2018	6.5m
NAD ACEH-SELATAN U	0303z	05 Sep 2018	9.4m
NAD KOTA-BANDA-ACEH	0304z	05 Sep 2018	11.4m
NAD ACEH-SELATAN S	0304z	05 Sep 2018	10.8m
SUMUT NIAS-SELATAN P.TANAHMASA	0304z	05 Sep 2018	4.5m
NIAS-EAST	0304z	05 Sep 2018	7.1m
JABAR CIAMIS	0304z	05 Sep 2018	2.7m
SUMUT NIAS B	0305z	05 Sep 2018	6.7m
NAD ACEH-BARAT-DAYA	0305z	05 Sep 2018	9.5m
MURASAIBI	0305z	05 Sep 2018	8.3m
SUMBAR PADANG-PARIAMAN U	0305z	05 Sep 2018	5.7m
SUMUT TAPANULI-TENGAH S	0306z	05 Sep 2018	8.1m
MUARASIGEP	0306z	05 Sep 2018	5.7m
NAD ACEH-BARAT	0307z	05 Sep 2018	13.3m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	7.5m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	5.6m
SUMBAR KOTA-PADANG S	0307z	05 Sep 2018	4.4m
SUMBAR AGAM	0307z	05 Sep 2018	5.6m
NAD ACEH-BESAR P.BREUEH	0307z	05 Sep 2018	12.9m
NAD ACEH-JAYA	0307z	05 Sep 2018	13.5m
SUMUT TAPANULI-SELATAN	0308z	05 Sep 2018	8.2m
SUMBAR PADANG-PARIAMAN S	0308z	05 Sep 2018	4.8m
NAD ACEH-BESAR P.PENASI	0309z	05 Sep 2018	12.2m
JABAR TASIKMALAYA	0309z	05 Sep 2018	1.0m
NAD NAGAN-RAYA	0310z	05 Sep 2018	17.9m
NAD ACEH-BESAR B	0311z	05 Sep 2018	14.8m
NAD ACEH-BESAR U	0311z	05 Sep 2018	5.5m
NIAS-NORTH	0312z	05 Sep 2018	4.9m
SUMBAR PESISIR-SELATAN U	0313z	05 Sep 2018	4.6m
SUMUT TAPANULI-TENGAH U	0314z	05 Sep 2018	9.6m
SOUTH OF BODAHAYIONE	0315z	05 Sep 2018	5.9m
NAD PIDIE	0316z	05 Sep 2018	2.5m
NAD ACEH-SINGKIL	0316z	05 Sep 2018	5.2m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0316z	05 Sep 2018	4.2m
JATENG CILACAP	0320z	05 Sep 2018	1.9m
SUMBAR PESISIR-SELATAN S	0324z	05 Sep 2018	4.7m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0327z	05 Sep 2018	3.3m
NAD BIREUEN	0329z	05 Sep 2018	2.2m

BENGKULU MUKOMUKO	0336z	05 Sep 2018	2.9m
SUMBAR KOTA-PARIAMAN	0336z	05 Sep 2018	5.3m
NAD ACEH-UTARA B	0339z	05 Sep 2018	1.9m
NAD KOTA-LHOKSEUMAWA	0340z	05 Sep 2018	2.3m
NAD ACEH-UTARA T	0351z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA U	0403z	05 Sep 2018	1.8m
NAD ACEH-TIMUR	0410z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA S	0420z	05 Sep 2018	3.2m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0427z	05 Sep 2018	2.5m
BENGKULU SELUMA	0436z	05 Sep 2018	1.8m
BENGKULU BENGKULU-UTARA P.ENGGANO	0445z	05 Sep 2018	1.4m
BENGKULU BENGKULU-SELATAN	0446z	05 Sep 2018	1.4m
BENGKULU KAUR	0451z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0507z	05 Sep 2018	1.2m
NAD KOTA-LANGSA	0512z	05 Sep 2018	1.7m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0514z	05 Sep 2018	1.0m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0516z	05 Sep 2018	1.3m
JATENG KEBUMEN	0517z	05 Sep 2018	1.4m
LAMPUNG TANGGAMUS B	0522z	05 Sep 2018	2.3m
BANTEN PANDEGLANG P.PANAITAN	0530z	05 Sep 2018	1.9m
NAD ACEH-TAMIAANG	0533z	05 Sep 2018	2.7m
LAMPUNG TANGGAMUS T	0542z	05 Sep 2018	2.4m
LAMPUNG TANGGAMUS P.TABUAN	0545z	05 Sep 2018	1.3m
BANTEN PANDEGLANG U	0548z	05 Sep 2018	2.1m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0550z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0555z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0556z	05 Sep 2018	2.3m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0601z	05 Sep 2018	1.4m
BANTEN KOTA-CILEGON P.SANGIANG	0610z	05 Sep 2018	1.5m
BANTEN SERANG B	0613z	05 Sep 2018	1.6m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0613z	05 Sep 2018	1.9m
SUMUT LANGKAT	0616z	05 Sep 2018	1.8m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0620z	05 Sep 2018	3.0m
BANTEN KOTA-CILEGON	0627z	05 Sep 2018	2.2m
BELAWAN	0641z	05 Sep 2018	1.2m
SUMUT DELISERDANG	0649z	05 Sep 2018	1.5m
JATENG PURWOREJO	0650z	05 Sep 2018	0.9m
DIY KULON-PROGO	0654z	05 Sep 2018	1.1m
SUMUT SERDANG-BEDAGAI	0654z	05 Sep 2018	1.6m
DIY GUNUNG-KIDUL	0702z	05 Sep 2018	1.2m
SUMUT ASAHAN	0711z	05 Sep 2018	1.6m
LABUHAN BATU	0908z	05 Sep 2018	1.7m
BALI DENPASAR PANTAI-SANUR	0918z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-SELATAN B	0936z	05 Sep 2018	0.9m
BALI TABANAN	0938z	05 Sep 2018	0.8m
JABAR SUKABUMI PELABUHAN-RATU	0940z	05 Sep 2018	1.0m
JABAR SUKABUMI UJUNG-GENTENG	0947z	05 Sep 2018	1.0m
NTB SUMBAWA S	0959z	05 Sep 2018	0.9m
ROKAN HILIR	1106z	05 Sep 2018	0.9m
NTT SUMBA B	1207z	05 Sep 2018	0.8m
NTT MANGGARAI-BARAT P.	1208z	05 Sep 2018	0.9m
DUMAI	1213z	05 Sep 2018	1.0m
NTT MANGGARAI-BARAT S	1216z	05 Sep 2018	0.8m
NTT MANGGARAI S	1217z	05 Sep 2018	0.9m
JATIM JEMBER	1240z	05 Sep 2018	1.4m
JABAR GARUT	1259z	05 Sep 2018	0.9m
JABAR CIANJUR SINDANGBARANG	1303z	05 Sep 2018	0.9m
BANTEN LEBAK	1329z	05 Sep 2018	1.0m
DIY BANTUL	1331z	05 Sep 2018	0.9m
JATIM LUMAJANG	1334z	05 Sep 2018	0.9m
JATENG WONOGIRI	1340z	05 Sep 2018	0.9m

NTB LOMBOK-TENGAH	1341z	05 Sep 2018	0.8m
JATIM TRENGGALEK	1357z	05 Sep 2018	0.8m
JATIM BLITAR	1401z	05 Sep 2018	0.9m
BALI KLUNGKUNG P.NUSAPENIDA	1405z	05 Sep 2018	0.8m
NTB KOTA-BIMA S	1411z	05 Sep 2018	0.9m
NTB SUMBAWA B	1415z	05 Sep 2018	0.8m
BENGKALIS	1418z	05 Sep 2018	0.6m
NTB LOMBOK-TIMUR S	1426z	05 Sep 2018	0.9m
JATIM PACITAN	1513z	05 Sep 2018	1.0m
BANTEN PANDEGLANG S	1557z	05 Sep 2018	1.0m
JATIM MALANG	1642z	05 Sep 2018	0.8m
JATIM JEMBER P.NUSABARUNG	1649z	05 Sep 2018	1.0m
JATIM TULUNGAGUNG	2016z	05 Sep 2018	0.9m
JATIM BANYUWANGI S	2031z	05 Sep 2018	0.6m
NTT SUMBA T	2047z	05 Sep 2018	0.6m
NTB LOMBOK-BARAT S	2113z	05 Sep 2018	0.6m
NTT KUPANG	2140z	05 Sep 2018	0.8m
NTT KOTA-KUPANG	2158z	05 Sep 2018	1.0m
NTT ROTENDAO	2202z	05 Sep 2018	0.8m
NTT NGADA S	2217z	05 Sep 2018	0.8m
NTT FLORES-TIMUR S	2219z	05 Sep 2018	0.7m
NTT ENDE S	2221z	05 Sep 2018	0.6m
NTT LEMBATA S	2221z	05 Sep 2018	0.7m
NTT SIKKA S	2223z	05 Sep 2018	0.6m
PANTE MACASSAR	2230z	05 Sep 2018	0.7m
NTT FLORES-TIMUR P.SOLOR	2230z	05 Sep 2018	0.7m
BALI BADUNG PANTAI-KUTA	2318z	05 Sep 2018	0.8m
NTT ALOR S	0205z	06 Sep 2018	0.6m
NTT BELU U	0223z	06 Sep 2018	0.5m
SIAK	0253z	06 Sep 2018	0.5m

IRAN

BIR	1139z	05 Sep 2018	0.8m
MISKI	1240z	05 Sep 2018	1.7m
PUSHT	1517z	05 Sep 2018	0.8m

KENYA

KIWAYU	1139z	05 Sep 2018	1.6m
KIPINI	1146z	05 Sep 2018	1.6m
MALINDI	1152z	05 Sep 2018	1.5m
KISIMACHANDE	1212z	05 Sep 2018	2.0m
MVULENI	1233z	05 Sep 2018	1.1m
TAKAUNGU	1308z	05 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1050z	05 Sep 2018	1.5m
ANOROTSANGANA	1058z	05 Sep 2018	0.9m
TOAMASINA AIRPORT	1106z	05 Sep 2018	1.5m
TAMPOLO	1122z	05 Sep 2018	1.9m
AMBAHY	1123z	05 Sep 2018	1.6m
FARAFAGANA	1127z	05 Sep 2018	1.2m
GLORIOSO ISLANDS	1130z	05 Sep 2018	1.4m
MANANTENINA	1141z	05 Sep 2018	1.9m
SAMPONA	1223z	05 Sep 2018	1.3m
ANDROKA	1537z	05 Sep 2018	0.9m
BALY	1732z	05 Sep 2018	1.5m
TAMOTAMO	1952z	05 Sep 2018	0.8m
AMBANJA	2202z	05 Sep 2018	0.9m

MANJA	0331z	06 Sep 2018	0.7m
MALAYSIA			

SATUN	0556z	05 Sep 2018	1.7m
YAN	0603z	05 Sep 2018	1.7m
WEST OF ALOR SETAR	0616z	05 Sep 2018	1.8m
SEBERANG PERAI UTARA & BARAT DAYA	0632z	05 Sep 2018	2.7m
SEBERANG PERAI SELATAN	0634z	05 Sep 2018	1.9m
KUALA MUDA	0639z	05 Sep 2018	2.7m
KERIAN	0654z	05 Sep 2018	1.8m
LARUT AND MATANG	0703z	05 Sep 2018	1.5m
MANJUNG	0717z	05 Sep 2018	2.1m
HILIR PERAK	0819z	05 Sep 2018	1.9m
SABAK BERNAM	0858z	05 Sep 2018	1.4m
KUALA SELANGOR	1029z	05 Sep 2018	1.8m
KUALA LANGAT	1101z	05 Sep 2018	1.2m
SEPANG	1218z	05 Sep 2018	1.0m
PORT DICKSON	1221z	05 Sep 2018	1.0m
MELAKA TENGAH & JASIN	1404z	05 Sep 2018	0.6m
JASIN	1427z	05 Sep 2018	0.6m
PONTIAN	1652z	05 Sep 2018	0.6m
MALDIVES			

MALE	0612z	05 Sep 2018	4.2m
KOLHUFUSHI	0614z	05 Sep 2018	3.1m
DHIYAMIGILI	0616z	05 Sep 2018	4.1m
HITHADHOO	0620z	05 Sep 2018	2.0m
THINADHOO	0620z	05 Sep 2018	2.8m
KULHUDUFFUSHI	0621z	05 Sep 2018	3.4m
GOIDHOO	0629z	05 Sep 2018	2.2m
NILANDHOO	0636z	05 Sep 2018	2.4m
FERIDHOO	0637z	05 Sep 2018	2.5m
MAURITIUS			

LA FERME	0852z	05 Sep 2018	2.1m
GRANDE REVIERE SUD EST-EAST	0942z	05 Sep 2018	1.5m
AGALEGA ISLAND	0953z	05 Sep 2018	0.6m
CARGADOS CARAJOS	1000z	05 Sep 2018	1.9m
GRANDE REVIERE SUD EST-WEST	1005z	05 Sep 2018	0.6m
MOZAMBIQUE			

MAGANJA	1202z	05 Sep 2018	1.2m
QUITERAJO	1225z	05 Sep 2018	0.9m
MERONVI	1227z	05 Sep 2018	1.1m
NANGATA	1229z	05 Sep 2018	1.0m
PEMBA	1230z	05 Sep 2018	1.3m
LUMBO	1237z	05 Sep 2018	1.0m
TAVARI	1301z	05 Sep 2018	0.8m
MAGUEMBA	1428z	05 Sep 2018	1.3m
ZAVALA	1447z	05 Sep 2018	1.1m
XAI-XAI	1453z	05 Sep 2018	0.8m
INHARRIME	1502z	05 Sep 2018	0.9m
VILA DO CHINDE	1508z	05 Sep 2018	1.0m
MALUANA	1528z	05 Sep 2018	1.2m
MAIONGUE	1532z	05 Sep 2018	0.7m
AMADE	1807z	05 Sep 2018	0.6m
MINHAUINE	1852z	05 Sep 2018	0.6m

MOGINCUAL	1947z	05 Sep 2018	0.8m
MAPUTO	1959z	05 Sep 2018	0.8m
OCONE	2118z	05 Sep 2018	1.1m
MOEBASE	2213z	05 Sep 2018	0.8m
NOVA LUSITANIA	2217z	05 Sep 2018	0.8m
NHANGAU	2239z	05 Sep 2018	1.0m
INHASSORO	2250z	05 Sep 2018	0.6m
LURIO	0210z	06 Sep 2018	0.6m

MYANMAR

THAN KYUN	0434z	05 Sep 2018	2.6m
LORD LOUGHBOROUGH ISLAND	0435z	05 Sep 2018	3.0m
GREAT WESTERN TORRES ISLAND	0441z	05 Sep 2018	3.1m
LITTLE COCO ISLAND	0450z	05 Sep 2018	1.6m
PREPARIS ISLAND	0502z	05 Sep 2018	1.3m
KYWEGYAUNG	0553z	05 Sep 2018	2.5m
MALI KYUN	0558z	05 Sep 2018	1.9m
PHARPON	0604z	05 Sep 2018	2.4m
CHEDUBA ISLAND	0605z	05 Sep 2018	2.3m
MAGYIGYAING	0606z	05 Sep 2018	2.6m
MAWYEN	0609z	05 Sep 2018	2.4m
YANGON-S	0628z	05 Sep 2018	2.0m
SITTWE	0630z	05 Sep 2018	1.7m
YE	0633z	05 Sep 2018	1.5m
KYAUKPYU	0634z	05 Sep 2018	2.1m
THAWINCHAUNG	0636z	05 Sep 2018	1.6m

OMAN

SALALAH	1035z	05 Sep 2018	1.6m
HASIK	1038z	05 Sep 2018	1.4m
AD DUQM	1057z	05 Sep 2018	1.1m
MIRBAT	1141z	05 Sep 2018	0.7m
SOHAR	1157z	05 Sep 2018	0.6m
AL ASHKHARAH	1204z	05 Sep 2018	0.7m
TAQAH	1207z	05 Sep 2018	0.7m
EAST MUSANDAM	1218z	05 Sep 2018	1.2m
AL JAZER	1500z	05 Sep 2018	0.9m
SUR	1538z	05 Sep 2018	0.7m
RAS AR RUWAYS	1545z	05 Sep 2018	1.0m
MASIRAH	1623z	05 Sep 2018	0.8m
QURAYYAT	1851z	05 Sep 2018	0.8m
BARKA	1856z	05 Sep 2018	0.5m
MUSCAT	1923z	05 Sep 2018	0.6m

PAKISTAN

ORMARA	1427z	05 Sep 2018	0.9m
WINDER	1448z	05 Sep 2018	1.4m
KARACHI	1511z	05 Sep 2018	1.0m
SINDH	1726z	05 Sep 2018	0.9m

SEYCHELLES

FREGATE ISLAND	0924z	05 Sep 2018	1.9m
COETIVY ISLAND	0941z	05 Sep 2018	0.6m
TAKAMAKA	1034z	05 Sep 2018	2.1m
ILE DESROCHES	1652z	05 Sep 2018	0.5m
FARQUHAR GROUP	1745z	05 Sep 2018	0.5m

SOMALIA

BANDER-BEYLA	1013z	05 Sep 2018	2.8m
EYL	1021z	05 Sep 2018	2.0m
TOOXIN	1021z	05 Sep 2018	4.1m
GALDOGOB	1023z	05 Sep 2018	2.2m
JARIIBAN	1024z	05 Sep 2018	1.4m
MAREEG	1032z	05 Sep 2018	1.8m
CEEL DHEER	1032z	05 Sep 2018	2.0m
ITALA	1032z	05 Sep 2018	1.2m
XARARDHEERE	1034z	05 Sep 2018	2.0m
UARSCIECH	1035z	05 Sep 2018	1.1m
MUQDISHO	1041z	05 Sep 2018	1.5m
ABO	1055z	05 Sep 2018	2.5m
BARAAWE	1056z	05 Sep 2018	1.4m
JILIB	1100z	05 Sep 2018	1.1m
NE BEERNAASI	1108z	05 Sep 2018	1.6m
KAAMBOONI	1115z	05 Sep 2018	1.2m
BEYNAX BARRE	1129z	05 Sep 2018	0.7m
TURDHO	1154z	05 Sep 2018	0.6m
SAYLAC	1302z	05 Sep 2018	0.6m
BAKI	1303z	05 Sep 2018	0.6m
LOYADO	1303z	05 Sep 2018	0.8m
QANDALA	1941z	05 Sep 2018	0.7m

SOUTH AFRICA

LAKE SIBAYI	1422z	05 Sep 2018	1.1m
KOSIMEER	1426z	05 Sep 2018	0.9m
MANDI	1439z	05 Sep 2018	1.2m
FUNK SEAMOUNT	1453z	05 Sep 2018	1.3m
ABORETUM	1459z	05 Sep 2018	0.8m
BIZANA	1506z	05 Sep 2018	0.9m
LUSIKISIKI	1507z	05 Sep 2018	0.7m
KENTANI	1510z	05 Sep 2018	0.8m
WILLOWVALE	1512z	05 Sep 2018	0.8m
KAYSERS BEACH	1516z	05 Sep 2018	1.0m
MARSHSTRAND	1518z	05 Sep 2018	1.0m
GWABALANDA HITAWI	1520z	05 Sep 2018	0.6m
ZIKHOVA	1522z	05 Sep 2018	0.7m
PEDDIE	1530z	05 Sep 2018	0.8m
ALEXANDRIA	1624z	05 Sep 2018	0.8m
PORT DURNFORD	1717z	05 Sep 2018	0.9m
MOSSEL	1724z	05 Sep 2018	1.5m
MARGATE	1737z	05 Sep 2018	0.9m
PORT ELIZABETH	1824z	05 Sep 2018	1.1m
PORT ST JOHNS	1840z	05 Sep 2018	1.1m
BATHURST	1931z	05 Sep 2018	0.8m
GEORGE	2016z	05 Sep 2018	0.8m
HUMANSDORP	2032z	05 Sep 2018	0.9m
HEIDELBERG	2111z	05 Sep 2018	0.8m
WITAAND	2119z	05 Sep 2018	0.8m
BREDASDORP	2138z	05 Sep 2018	1.0m
ELLIOTDALE	2151z	05 Sep 2018	0.6m
GAMTOOS	2154z	05 Sep 2018	0.7m
HANKEY	0318z	06 Sep 2018	0.7m

SRI LANKA

OKANDA	0453z	05 Sep 2018	2.4m
AKKARAIATTU	0453z	05 Sep 2018	2.7m

KIRINDA	0456z	05 Sep 2018	3.2m
BATTICALOA	0456z	05 Sep 2018	3.0m
POTTUVIL	0458z	05 Sep 2018	2.0m
ANAITIVU	0502z	05 Sep 2018	2.4m
KATTANKUDI	0505z	05 Sep 2018	2.9m
MATARA	0506z	05 Sep 2018	2.4m
PANKULAM	0506z	05 Sep 2018	2.4m
TANGALLE	0508z	05 Sep 2018	2.3m
HAMBANTOTA	0512z	05 Sep 2018	3.5m
MULLAITTIVU	0515z	05 Sep 2018	2.1m
GALLE	0517z	05 Sep 2018	2.4m
AMBALANGODA	0521z	05 Sep 2018	2.3m
CHUNDIKKULAM	0532z	05 Sep 2018	4.7m
BERUWALA	0539z	05 Sep 2018	1.8m
CHAVAKACHCHERI	0544z	05 Sep 2018	2.8m
COLOMBO	0544z	05 Sep 2018	2.2m
MORATUWA	0547z	05 Sep 2018	1.7m
POINT PEDRO	0549z	05 Sep 2018	2.5m
MUNDAL LAKE	0604z	05 Sep 2018	1.6m
NEGOMBO	0605z	05 Sep 2018	1.3m
MANNAR ISLAND	0609z	05 Sep 2018	1.8m
MUSALI	0621z	05 Sep 2018	1.4m

TANZANIA

JIMBO	1158z	05 Sep 2018	1.7m
VUMBI	1159z	05 Sep 2018	1.3m
RUVU	1203z	05 Sep 2018	1.6m
KUTANI	1203z	05 Sep 2018	1.0m
ZANZIBAR	1203z	05 Sep 2018	1.2m
VUMBA	1203z	05 Sep 2018	1.3m
SONGO SONGO ISLAND	1203z	05 Sep 2018	1.3m
MSASANI	1214z	05 Sep 2018	1.4m
WEST TO KONDE	1223z	05 Sep 2018	1.7m
BAGAMOYO	1223z	05 Sep 2018	1.7m
MADANGWA	1225z	05 Sep 2018	0.9m
BOMALANDNI	1230z	05 Sep 2018	1.3m
GAZIJA	1231z	05 Sep 2018	0.8m

THAILAND

THAI MUEANG	0410z	05 Sep 2018	3.2m
KO RACHA NOI	0413z	05 Sep 2018	3.7m
KOH SURIN TAI	0431z	05 Sep 2018	3.5m
KOH LANTA YAI	0450z	05 Sep 2018	2.4m
THAI MUEANG_TAKUA PA	0450z	05 Sep 2018	3.5m
KOH ROK	0454z	05 Sep 2018	1.9m
MUEANG SATUN	0459z	05 Sep 2018	2.2m
KOH TARUTAO	0548z	05 Sep 2018	3.2m

TIMOR-LESTE

PANTE MACASSAR	2225z	05 Sep 2018	0.7m
----------------	-------	-------------	------

UNITED ARAB EMIRATES

KALBA	1159z	05 Sep 2018	1.3m
-------	-------	-------------	------

UNITED KINGDOM

MORESBY ISLAND	0636z	05 Sep 2018	4.8m
----------------	-------	-------------	------

DIEGO GARCIA	0641z	05 Sep 2018	2.0m
NW EGMONT ISLAND	0703z	05 Sep 2018	1.1m

YEMEN

SOCOTRA ISLAND SOUTH	1009z	05 Sep 2018	1.9m
SOCOTRA ISLAND WEST	1032z	05 Sep 2018	0.9m
SOCOTRA ISLAND NORTH	1037z	05 Sep 2018	1.3m
DAMQAWT	1040z	05 Sep 2018	1.2m
AL GHAYDAH AIRPORT	1044z	05 Sep 2018	1.6m
HUSWAYN	1103z	05 Sep 2018	1.5m
ALQUMRAH	1116z	05 Sep 2018	1.2m
HARRAH	1118z	05 Sep 2018	1.2m
EAST TO HAMI	1121z	05 Sep 2018	0.9m
HAMI	1130z	05 Sep 2018	0.9m
AL MUKALLA	1142z	05 Sep 2018	1.5m
KHANFAR	1229z	05 Sep 2018	0.9m
ADEN	1235z	05 Sep 2018	0.8m
MASILAH WADI	1240z	05 Sep 2018	0.9m
MAALLAH	1248z	05 Sep 2018	1.3m
QAWAH	1300z	05 Sep 2018	0.8m
AL MUALLA	1329z	05 Sep 2018	0.8m
RUDUM	1514z	05 Sep 2018	0.7m
BROM MAYFA	1911z	05 Sep 2018	0.6m
AHWAR	0226z	06 Sep 2018	0.5m

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 4

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

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

TSUNAMI BULLETIN NUMBER 4
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 0400 UTC Wednesday 05 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: 9.3 M
Depth: 10 km
Date: 05 SEP 2018
Origin Time: 0300UTC
Latitude: 3.3 N
Longitude: 96 E
Location: NORTHERN SUMATRA, INDONESIA

2. EVALUATION

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

Sabang (INDONESIA)	5.83 N	95.33 E	0325z	05 Sep 2018	8.0m
Meulaboh (INDONESIA)	4.13 N	96.13 E	0340z	05 Sep 2018	8.0m
Telukdalam (INDONESIA)	0.55 N	97.82 E	0345z	05 Sep 2018	6.0m

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

COCOS ISLAND

0519z 05 Sep 2018 0.9m

NINGALOO COAST	0815z	05 Sep 2018	1.1m
PILBARA COAST WEST	0850z	05 Sep 2018	2.2m
GASCOYNE COAST	0852z	05 Sep 2018	1.9m
PILBARA COAST EAST	0922z	05 Sep 2018	1.9m
GERALDTON COAST	0945z	05 Sep 2018	2.3m
PERTH COAST	0957z	05 Sep 2018	1.1m
LEEUEWIN COAST	1012z	05 Sep 2018	1.3m
BUNBURY GEOGRAPHE COAST	1016z	05 Sep 2018	2.2m
WEST KIMBERLY COAST	1033z	05 Sep 2018	1.5m
LANCELIN COAST	1256z	05 Sep 2018	1.3m
HEARD ISLAND AND MCDONALD ISLANDS	1312z	05 Sep 2018	1.9m
AURORA BANK	1417z	05 Sep 2018	0.8m
NORTH KIMBERLY COAST	1740z	05 Sep 2018	0.8m
ALBANY COAST	1806z	05 Sep 2018	0.7m
EUCLA COAST	0116z	06 Sep 2018	0.7m
UPPER WEST COAST SA	0254z	06 Sep 2018	0.7m
ESPERANCE COAST	0258z	06 Sep 2018	0.6m
UPPER SOUTH EAST COAST SA	0331z	06 Sep 2018	0.6m

BANGLADESH

CHALNA	0657z	05 Sep 2018	1.4m
COXS BAZAR	0702z	05 Sep 2018	2.1m
KUTUBDIA ISLAND	0722z	05 Sep 2018	1.8m
BARGUNA	0731z	05 Sep 2018	1.8m

COMOROS

CHEZANI	1148z	05 Sep 2018	1.2m
DZAOUDZI	1403z	05 Sep 2018	0.7m

DJIBOUTI

NW ARTA	1305z	05 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1308z	05 Sep 2018	0.9m

FRANCE

ILE SAINT-PAUL-NORTH	0949z	05 Sep 2018	0.7m
ILE SAINT-PAUL-SOUTH	1005z	05 Sep 2018	1.0m
SAINT-JOSEPH	1009z	05 Sep 2018	0.6m
SAINT-DENIS	1021z	05 Sep 2018	0.6m
ILE KERGUELEN	1230z	05 Sep 2018	4.7m
NES CROZET	1246z	05 Sep 2018	0.7m
ILE DE LA POSSESSION	1248z	05 Sep 2018	1.5m
CROZET PLATEAU	1308z	05 Sep 2018	1.2m

INDIA

INDIRA POINT	0302z	05 Sep 2018	8.0m
KOMATRA & KATCHAL ISLAND	0325z	05 Sep 2018	6.7m
CAR NICOBAR	0344z	05 Sep 2018	3.8m
LITTLE ANDAMAN	0402z	05 Sep 2018	8.2m
PORT BLAIR	0407z	05 Sep 2018	4.2m
BARREN ISLAND	0411z	05 Sep 2018	1.1m
HAVELOCK	0416z	05 Sep 2018	3.5m
NORTH SENTINEL ISLAND	0422z	05 Sep 2018	3.2m
RANGATH BAY	0425z	05 Sep 2018	3.5m
NARCONDAM ISLAND	0428z	05 Sep 2018	1.1m
DIGLIPUR	0431z	05 Sep 2018	1.8m
WEST & LANDFALL ISLAND	0455z	05 Sep 2018	2.2m

FLAT ISLAND	0458z	05 Sep 2018	3.0m
MARAKKANAM	0533z	05 Sep 2018	2.5m
PUDUCHERRY	0534z	05 Sep 2018	2.8m
CUDDALORE	0535z	05 Sep 2018	2.5m
POOMBUHAR	0536z	05 Sep 2018	3.2m
ENNORE	0540z	05 Sep 2018	3.9m
MAHABALIPURAM	0541z	05 Sep 2018	5.8m
NAGAPATTINAM	0544z	05 Sep 2018	4.8m
MACHILIPATNAM	0545z	05 Sep 2018	3.5m
SRIHARIKOTA	0546z	05 Sep 2018	3.4m
CHENNAI	0546z	05 Sep 2018	4.7m
KARAIKAL	0547z	05 Sep 2018	4.8m
PERUPALEM	0549z	05 Sep 2018	2.9m
KAKINADA	0551z	05 Sep 2018	4.5m
MUTHUPET	0552z	05 Sep 2018	3.2m
MALLIPATTINAM	0552z	05 Sep 2018	3.1m
NIJAMPATTANAM	0553z	05 Sep 2018	4.8m
KOTTAPATNAM	0600z	05 Sep 2018	5.2m
VISAKHAPATNAM	0603z	05 Sep 2018	3.7m
KALINGAPATNAM	0604z	05 Sep 2018	4.5m
KONADA	0609z	05 Sep 2018	4.1m
RAMESWARAM	0612z	05 Sep 2018	1.8m
PURI	0612z	05 Sep 2018	2.3m
GOPALPUR	0613z	05 Sep 2018	4.0m
KOTTTAIPPATTANAM	0615z	05 Sep 2018	2.2m
PARADIP	0615z	05 Sep 2018	2.0m
TUTICORIN	0619z	05 Sep 2018	3.4m
KOODANKULAM	0625z	05 Sep 2018	2.8m
KANYAKUMARI	0632z	05 Sep 2018	3.8m
JAMBOO	0632z	05 Sep 2018	2.1m
TRIVANDRUM	0655z	05 Sep 2018	2.0m
DHAMRA	0702z	05 Sep 2018	2.6m
QUILON	0702z	05 Sep 2018	1.4m
ALLEPPEY ALAPPUZHA	0707z	05 Sep 2018	1.4m
HEMNAGAR	0708z	05 Sep 2018	1.9m
NAMKHANA	0711z	05 Sep 2018	2.1m
CHANDIPUR	0717z	05 Sep 2018	2.2m
DIGHA	0718z	05 Sep 2018	2.3m
KAVARATTI	0737z	05 Sep 2018	0.9m
VADANAPPALLY	0741z	05 Sep 2018	1.3m
VAKKAD	0758z	05 Sep 2018	1.5m
BEYPORE	0801z	05 Sep 2018	1.8m
AGATTI	0804z	05 Sep 2018	1.0m
KANNUR	0809z	05 Sep 2018	1.7m
MAHE	0810z	05 Sep 2018	1.3m
KASARAGOD	0820z	05 Sep 2018	2.0m
KARWAR	1016z	05 Sep 2018	1.4m
UDUPI	1019z	05 Sep 2018	1.6m
JAIGARH	1023z	05 Sep 2018	1.1m
COCHIN	1032z	05 Sep 2018	1.4m
VASCO	1304z	05 Sep 2018	1.2m
PANAJI	1317z	05 Sep 2018	1.0m
MALVAN BAY	1322z	05 Sep 2018	0.8m
MANGROL	1434z	05 Sep 2018	0.8m
PORBANDAR	1444z	05 Sep 2018	0.8m
ALIBAG PORT	1445z	05 Sep 2018	1.0m
DWARKA	1447z	05 Sep 2018	1.0m
HAZIRA, DIU	1454z	05 Sep 2018	0.9m
JAMNAGAR	1455z	05 Sep 2018	1.0m
MANGALORE	1508z	05 Sep 2018	1.7m
MUMBAI	1522z	05 Sep 2018	0.6m

AMINI	1524z	05 Sep 2018	0.6m
PIPAVAV	1645z	05 Sep 2018	0.7m
TARAPUR	1647z	05 Sep 2018	1.0m
MANDVI	1726z	05 Sep 2018	0.7m
MAHUV	1826z	05 Sep 2018	0.9m
KHAMBAT	1837z	05 Sep 2018	0.7m
DAMAN	2123z	05 Sep 2018	1.0m
BORSI	2126z	05 Sep 2018	1.0m
HAZIRA	2128z	05 Sep 2018	0.9m
BHARUCH	2141z	05 Sep 2018	0.8m
INDONESIA			

SUMUT MANDAILING-NATAL U	0302z	05 Sep 2018	5.7m
SUMUT NIAS-SELATAN P.TANABALA	0302z	05 Sep 2018	5.9m
NAD SIMEULUE P.SIMEULUE	0302z	05 Sep 2018	10.1m
NAD ACEH-SINGKIL KEP.BANYAK	0302z	05 Sep 2018	6.2m
SUMUT NIAS-SELATAN P.NIAS	0302z	05 Sep 2018	5.9m
GUNUNGSITOLI	0302z	05 Sep 2018	4.4m
MUARASIBERUT	0302z	05 Sep 2018	5.8m
NIAS	0302z	05 Sep 2018	5.3m
SAKUBO	0302z	05 Sep 2018	5.6m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0302z	05 Sep 2018	11.6m
SUMUT MANDAILING-NATAL S	0302z	05 Sep 2018	6.0m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0303z	05 Sep 2018	6.5m
NAD ACEH-SELATAN U	0303z	05 Sep 2018	9.4m
NAD KOTA-SABANG P.WEH	0303z	05 Sep 2018	7.3m
NAD KOTA-BANDA-ACEH	0304z	05 Sep 2018	11.4m
NIAS-EAST	0304z	05 Sep 2018	7.1m
JABAR CIAMIS	0304z	05 Sep 2018	2.7m
SUMUT NIAS-SELATAN P.TANAHMASA	0304z	05 Sep 2018	4.5m
NAD ACEH-SELATAN S	0304z	05 Sep 2018	10.8m
SUMBAR PADANG-PARIAMAN U	0305z	05 Sep 2018	5.7m
MURASAIBI	0305z	05 Sep 2018	8.3m
NAD ACEH-BARAT-DAYA	0305z	05 Sep 2018	9.5m
SUMUT NIAS B	0305z	05 Sep 2018	6.7m
SUMUT TAPANULI-TENGAH S	0306z	05 Sep 2018	8.1m
MUARASIGEP	0306z	05 Sep 2018	5.7m
SUMBAR KOTA-PADANG S	0307z	05 Sep 2018	4.4m
SUMBAR AGAM	0307z	05 Sep 2018	5.6m
NAD ACEH-BESAR P.BREUEH	0307z	05 Sep 2018	12.9m
NAD ACEH-JAYA	0307z	05 Sep 2018	13.5m
NAD ACEH-BARAT	0307z	05 Sep 2018	13.3m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	5.6m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	7.5m
SUMUT TAPANULI-SELATAN	0308z	05 Sep 2018	8.2m
SUMBAR PADANG-PARIAMAN S	0308z	05 Sep 2018	4.8m
NAD ACEH-BESAR P.PENASI	0309z	05 Sep 2018	12.2m
JABAR TASIKMALAYA	0309z	05 Sep 2018	1.0m
NAD NAGAN-RAYA	0310z	05 Sep 2018	17.9m
NAD ACEH-BESAR U	0311z	05 Sep 2018	5.5m
NAD ACEH-BESAR B	0311z	05 Sep 2018	14.8m
NIAS-NORTH	0312z	05 Sep 2018	4.9m
SUMBAR PESISIR-SELATAN U	0313z	05 Sep 2018	4.6m
SUMUT TAPANULI-TENGAH U	0314z	05 Sep 2018	9.6m
SOUTH OF BODAHAYIONE	0315z	05 Sep 2018	5.9m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0316z	05 Sep 2018	4.2m
NAD ACEH-SINGKIL	0316z	05 Sep 2018	5.2m
NAD PIDIE	0316z	05 Sep 2018	2.5m
JATENG CILACAP	0320z	05 Sep 2018	1.9m
SUMBAR PESISIR-SELATAN S	0324z	05 Sep 2018	4.7m

SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0327z	05 Sep 2018	3.3m
NAD BIREUEN	0329z	05 Sep 2018	2.2m
BENGKULU MUKOMUKO	0336z	05 Sep 2018	2.9m
SUMBAR KOTA-PARIAMAN	0336z	05 Sep 2018	5.3m
NAD ACEH-UTARA B	0339z	05 Sep 2018	1.9m
NAD KOTA-LHOKSEUMAWA	0340z	05 Sep 2018	2.3m
NAD ACEH-UTARA T	0351z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA U	0403z	05 Sep 2018	1.8m
NAD ACEH-TIMUR	0410z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA S	0420z	05 Sep 2018	3.2m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0427z	05 Sep 2018	2.5m
BENGKULU SELUMA	0436z	05 Sep 2018	1.8m
BENGKULU BENGKULU-UTARA P.ENGANO	0445z	05 Sep 2018	1.4m
BENGKULU BENGKULU-SELATAN	0446z	05 Sep 2018	1.4m
BENGKULU KAUR	0451z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0507z	05 Sep 2018	1.2m
NAD KOTA-LANGSA	0512z	05 Sep 2018	1.7m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0514z	05 Sep 2018	1.0m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0516z	05 Sep 2018	1.3m
JATENG KEBUMEN	0517z	05 Sep 2018	1.4m
LAMPUNG TANGGAMUS B	0522z	05 Sep 2018	2.3m
BANTEN PANDEGLANG P.PANAITAN	0530z	05 Sep 2018	1.9m
NAD ACEH-TAMIAH	0533z	05 Sep 2018	2.7m
LAMPUNG TANGGAMUS T	0542z	05 Sep 2018	2.4m
LAMPUNG TANGGAMUS P.TABUAN	0545z	05 Sep 2018	1.3m
BANTEN PANDEGLANG U	0548z	05 Sep 2018	2.1m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0550z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0555z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0556z	05 Sep 2018	2.3m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0601z	05 Sep 2018	1.4m
BANTEN KOTA-CILEGON P.SANGIANG	0610z	05 Sep 2018	1.5m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0613z	05 Sep 2018	1.9m
BANTEN SERANG B	0613z	05 Sep 2018	1.6m
SUMUT LANGKAT	0616z	05 Sep 2018	1.8m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0620z	05 Sep 2018	3.0m
BANTEN KOTA-CILEGON	0627z	05 Sep 2018	2.2m
BELAWAN	0641z	05 Sep 2018	1.2m
SUMUT DELISERDANG	0649z	05 Sep 2018	1.5m
JATENG PURWOREJO	0650z	05 Sep 2018	0.9m
SUMUT SERDANG-BEDAGAI	0654z	05 Sep 2018	1.6m
DIY KULON-PROGO	0654z	05 Sep 2018	1.1m
DIY GUNUNG-KIDUL	0702z	05 Sep 2018	1.2m
SUMUT ASAHAN	0711z	05 Sep 2018	1.6m
LABUHAN BATU	0908z	05 Sep 2018	1.7m
BALI DENPASAR PANTAI-SANUR	0918z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-SELATAN B	0936z	05 Sep 2018	0.9m
BALI TABANAN	0938z	05 Sep 2018	0.8m
JABAR SUKABUMI PELABUHAN-RATU	0940z	05 Sep 2018	1.0m
JABAR SUKABUMI UJUNG-GENTENG	0947z	05 Sep 2018	1.0m
NTB SUMBAWA S	0959z	05 Sep 2018	0.9m
ROKAN HILIR	1106z	05 Sep 2018	0.9m
NTT SUMBA B	1207z	05 Sep 2018	0.8m
NTT MANGGARAI-BARAT P.	1208z	05 Sep 2018	0.9m
DUMAI	1213z	05 Sep 2018	1.0m
NTT MANGGARAI-BARAT S	1216z	05 Sep 2018	0.8m
NTT MANGGARAI S	1217z	05 Sep 2018	0.9m
JATIM JEMBER	1240z	05 Sep 2018	1.4m
JABAR GARUT	1259z	05 Sep 2018	0.9m
JABAR CIANJUR SINDANGBARANG	1303z	05 Sep 2018	0.9m
BANTEN LEBAK	1329z	05 Sep 2018	1.0m
DIY BANTUL	1331z	05 Sep 2018	0.9m

JATIM LUMAJANG	1334z	05 Sep 2018	0.9m
JATENG WONOGIRI	1340z	05 Sep 2018	0.9m
NTB LOMBOK-TENGAH	1341z	05 Sep 2018	0.8m
JATIM TRENGGALEK	1357z	05 Sep 2018	0.8m
JATIM BLITAR	1401z	05 Sep 2018	0.9m
BALI KLUNGKUNG P.NUSAPENIDA	1405z	05 Sep 2018	0.8m
NTB KOTA-BIMA S	1411z	05 Sep 2018	0.9m
NTB SUMBAWA B	1415z	05 Sep 2018	0.8m
BENGKALIS	1418z	05 Sep 2018	0.6m
NTB LOMBOK-TIMUR S	1426z	05 Sep 2018	0.9m
JATIM PACITAN	1513z	05 Sep 2018	1.0m
BANTEN PANDEGLANG S	1557z	05 Sep 2018	1.0m
JATIM MALANG	1642z	05 Sep 2018	0.8m
JATIM JEMBER P.NUSABARUNG	1649z	05 Sep 2018	1.0m
JATIM TULUNGAGUNG	2016z	05 Sep 2018	0.9m
JATIM BANYUWANGI S	2031z	05 Sep 2018	0.6m
NTT SUMBA T	2047z	05 Sep 2018	0.6m
NTB LOMBOK-BARAT S	2113z	05 Sep 2018	0.6m
NTT KUPANG	2140z	05 Sep 2018	0.8m
NTT KOTA-KUPANG	2158z	05 Sep 2018	1.0m
NTT ROTENDAO	2202z	05 Sep 2018	0.8m
NTT NGADA S	2217z	05 Sep 2018	0.8m
NTT FLORES-TIMUR S	2219z	05 Sep 2018	0.7m
NTT ENDE S	2221z	05 Sep 2018	0.6m
NTT LEMBATA S	2221z	05 Sep 2018	0.7m
NTT SIKKA S	2223z	05 Sep 2018	0.6m
NTT FLORES-TIMUR P.SOLOR	2230z	05 Sep 2018	0.7m
PANTE MACASSAR	2230z	05 Sep 2018	0.7m
BALI BADUNG PANTAI-KUTA	2318z	05 Sep 2018	0.8m
NTT ALOR S	0205z	06 Sep 2018	0.6m
NTT BELU U	0223z	06 Sep 2018	0.5m
SIAK	0253z	06 Sep 2018	0.5m

IRAN

BIR	1139z	05 Sep 2018	0.8m
MISKI	1240z	05 Sep 2018	1.7m
PUSHT	1517z	05 Sep 2018	0.8m

KENYA

KIWAYU	1139z	05 Sep 2018	1.6m
KIPINI	1146z	05 Sep 2018	1.6m
MALINDI	1152z	05 Sep 2018	1.5m
KISIMACHANDE	1212z	05 Sep 2018	2.0m
MVULENI	1233z	05 Sep 2018	1.1m
TAKAUNGU	1308z	05 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1050z	05 Sep 2018	1.5m
ANOROTSANGANA	1058z	05 Sep 2018	0.9m
TOAMASINA AIRPORT	1106z	05 Sep 2018	1.5m
TAMPOLO	1122z	05 Sep 2018	1.9m
AMBAHY	1123z	05 Sep 2018	1.6m
FARAFAGANA	1127z	05 Sep 2018	1.2m
GLORIOSO ISLANDS	1130z	05 Sep 2018	1.4m
MANANTENINA	1141z	05 Sep 2018	1.9m
SAMPONA	1223z	05 Sep 2018	1.3m
ANDROKA	1537z	05 Sep 2018	0.9m
BALY	1732z	05 Sep 2018	1.5m

TAMOTAMO	1952z	05 Sep 2018	0.8m
AMBANJA	2202z	05 Sep 2018	0.9m
MANJA	0331z	06 Sep 2018	0.7m

MALAYSIA

SATUN	0556z	05 Sep 2018	1.7m
YAN	0603z	05 Sep 2018	1.7m
WEST OF ALOR SETAR	0616z	05 Sep 2018	1.8m
SEBERANG PERAI UTARA & BARAT DAYA	0632z	05 Sep 2018	2.7m
SEBERANG PERAI SELATAN	0634z	05 Sep 2018	1.9m
KUALA MUDA	0639z	05 Sep 2018	2.7m
KERIAN	0654z	05 Sep 2018	1.8m
LARUT AND MATANG	0703z	05 Sep 2018	1.5m
MANJUNG	0717z	05 Sep 2018	2.1m
HILIR PERAK	0819z	05 Sep 2018	1.9m
SABAK BERNAM	0858z	05 Sep 2018	1.4m
KUALA SELANGOR	1029z	05 Sep 2018	1.8m
KUALA LANGAT	1101z	05 Sep 2018	1.2m
SEPANG	1218z	05 Sep 2018	1.0m
PORT DICKSON	1221z	05 Sep 2018	1.0m
MELAKA TENGAH & JASIN	1404z	05 Sep 2018	0.6m
JASIN	1427z	05 Sep 2018	0.6m
PONTIAN	1652z	05 Sep 2018	0.6m

MALDIVES

MALE	0612z	05 Sep 2018	4.2m
KOLHUFUSHI	0614z	05 Sep 2018	3.1m
DHIYAMIGILI	0616z	05 Sep 2018	4.1m
HITHADHOO	0620z	05 Sep 2018	2.0m
THINADHOO	0620z	05 Sep 2018	2.8m
KULHUDUFFUSHI	0621z	05 Sep 2018	3.4m
GOIDHOO	0629z	05 Sep 2018	2.2m
NILANDHOO	0636z	05 Sep 2018	2.4m
FERIDHOO	0637z	05 Sep 2018	2.5m

MAURITIUS

LA FERME	0852z	05 Sep 2018	2.1m
GRANDE REVIERE SUD EST-EAST	0942z	05 Sep 2018	1.5m
AGALEGA ISLAND	0953z	05 Sep 2018	0.6m
CARGADOS CARAJOS	1000z	05 Sep 2018	1.9m
GRANDE REVIERE SUD EST-WEST	1005z	05 Sep 2018	0.6m

MOZAMBIQUE

MAGANJA	1202z	05 Sep 2018	1.2m
QUITERAJA	1225z	05 Sep 2018	0.9m
MERONVI	1227z	05 Sep 2018	1.1m
NANGATA	1229z	05 Sep 2018	1.0m
PEMBA	1230z	05 Sep 2018	1.3m
LUMBO	1237z	05 Sep 2018	1.0m
TAVARI	1301z	05 Sep 2018	0.8m
MAGUEMBA	1428z	05 Sep 2018	1.3m
ZAVALA	1447z	05 Sep 2018	1.1m
XAI-XAI	1453z	05 Sep 2018	0.8m
INHARRIME	1502z	05 Sep 2018	0.9m
VILA DO CHINDE	1508z	05 Sep 2018	1.0m
MALUANA	1528z	05 Sep 2018	1.2m
MAIONGUE	1532z	05 Sep 2018	0.7m

AMADE	1807z	05 Sep 2018	0.6m
MINHAUINE	1852z	05 Sep 2018	0.6m
MOGINCUAL	1947z	05 Sep 2018	0.8m
MAPUTO	1959z	05 Sep 2018	0.8m
OCONE	2118z	05 Sep 2018	1.1m
MOEBASE	2213z	05 Sep 2018	0.8m
NOVA LUSITANIA	2217z	05 Sep 2018	0.8m
NHANGAU	2239z	05 Sep 2018	1.0m
INHASSORO	2250z	05 Sep 2018	0.6m
LURIO	0210z	06 Sep 2018	0.6m

MYANMAR

THAN KYUN	0434z	05 Sep 2018	2.6m
LORD LOUGHBOROUGH ISLAND	0435z	05 Sep 2018	3.0m
GREAT WESTERN TORRES ISLAND	0441z	05 Sep 2018	3.1m
LITTLE COCO ISLAND	0450z	05 Sep 2018	1.6m
PREPARIS ISLAND	0502z	05 Sep 2018	1.3m
KYWEGYAUNG	0553z	05 Sep 2018	2.5m
MALI KYUN	0558z	05 Sep 2018	1.9m
PHARPON	0604z	05 Sep 2018	2.4m
CHEDUBA ISLAND	0605z	05 Sep 2018	2.3m
MAGYIGYAING	0606z	05 Sep 2018	2.6m
MAWYEN	0609z	05 Sep 2018	2.4m
YANGON-S	0628z	05 Sep 2018	2.0m
SITTWE	0630z	05 Sep 2018	1.7m
YE	0633z	05 Sep 2018	1.5m
KYAUKPYU	0634z	05 Sep 2018	2.1m
THAWINCHAUNG	0636z	05 Sep 2018	1.6m

OMAN

SALALAH	1035z	05 Sep 2018	1.6m
HASIK	1038z	05 Sep 2018	1.4m
AD DUQM	1057z	05 Sep 2018	1.1m
MIRBAT	1141z	05 Sep 2018	0.7m
SOHAR	1157z	05 Sep 2018	0.6m
AL ASHKHARAH	1204z	05 Sep 2018	0.7m
TAQAH	1207z	05 Sep 2018	0.7m
EAST MUSANDAM	1218z	05 Sep 2018	1.2m
AL JAZER	1500z	05 Sep 2018	0.9m
SUR	1538z	05 Sep 2018	0.7m
RAS AR RUWAYS	1545z	05 Sep 2018	1.0m
MASIRAH	1623z	05 Sep 2018	0.8m
QURAYYAT	1851z	05 Sep 2018	0.8m
BARKA	1856z	05 Sep 2018	0.5m
MUSCAT	1923z	05 Sep 2018	0.6m

PAKISTAN

ORMARA	1427z	05 Sep 2018	0.9m
WINDER	1448z	05 Sep 2018	1.4m
KARACHI	1511z	05 Sep 2018	1.0m
SINDH	1726z	05 Sep 2018	0.9m

SEYCHELLES

FREGATE ISLAND	0924z	05 Sep 2018	1.9m
COETIVY ISLAND	0941z	05 Sep 2018	0.6m
TAKAMAKA	1034z	05 Sep 2018	2.1m
ILE DESROCHES	1652z	05 Sep 2018	0.5m

FARQUHAR GROUP

1745z 05 Sep 2018 0.5m

SOMALIA

BANDER-BEYLA	1013z	05 Sep 2018	2.8m
EYL	1021z	05 Sep 2018	2.0m
TOOXIN	1021z	05 Sep 2018	4.1m
GALDOGOB	1023z	05 Sep 2018	2.2m
JARIIBAN	1024z	05 Sep 2018	1.4m
ITALA	1032z	05 Sep 2018	1.2m
CEEL DHEER	1032z	05 Sep 2018	2.0m
MAREEG	1032z	05 Sep 2018	1.8m
XARARDHEERE	1034z	05 Sep 2018	2.0m
UARSCIECH	1035z	05 Sep 2018	1.1m
MUQDISHO	1041z	05 Sep 2018	1.5m
ABO	1055z	05 Sep 2018	2.5m
BARAAWE	1056z	05 Sep 2018	1.4m
JILIB	1100z	05 Sep 2018	1.1m
NE BEERNAASI	1108z	05 Sep 2018	1.6m
KAAMBOONI	1115z	05 Sep 2018	1.2m
BEYNAX BARRE	1129z	05 Sep 2018	0.7m
TURDHO	1154z	05 Sep 2018	0.6m
SAYLAC	1302z	05 Sep 2018	0.6m
BAKI	1303z	05 Sep 2018	0.6m
LOYADO	1303z	05 Sep 2018	0.8m
QANDALA	1941z	05 Sep 2018	0.7m

SOUTH AFRICA

LAKE SIBAYI	1422z	05 Sep 2018	1.1m
KOSIMEER	1426z	05 Sep 2018	0.9m
MANDI	1439z	05 Sep 2018	1.2m
FUNK SEAMOUNT	1453z	05 Sep 2018	1.3m
ABORETUM	1459z	05 Sep 2018	0.8m
BIZANA	1506z	05 Sep 2018	0.9m
LUSIKISIKI	1507z	05 Sep 2018	0.7m
KENTANI	1510z	05 Sep 2018	0.8m
WILLOWVALE	1512z	05 Sep 2018	0.8m
KAYSERS BEACH	1516z	05 Sep 2018	1.0m
MARSHSTRAND	1518z	05 Sep 2018	1.0m
GWABALANDA HITAWI	1520z	05 Sep 2018	0.6m
ZIKHOVA	1522z	05 Sep 2018	0.7m
PEDDIE	1530z	05 Sep 2018	0.8m
ALEXANDRIA	1624z	05 Sep 2018	0.8m
PORT DURNFORD	1717z	05 Sep 2018	0.9m
MOSSEL	1724z	05 Sep 2018	1.5m
MARGATE	1737z	05 Sep 2018	0.9m
PORT ELIZABETH	1824z	05 Sep 2018	1.1m
PORT ST JOHNS	1840z	05 Sep 2018	1.1m
BATHURST	1931z	05 Sep 2018	0.8m
GEORGE	2016z	05 Sep 2018	0.8m
HUMANSDORP	2032z	05 Sep 2018	0.9m
HEIDELBERG	2111z	05 Sep 2018	0.8m
WITAAND	2119z	05 Sep 2018	0.8m
BREDASDORP	2138z	05 Sep 2018	1.0m
ELLIOTDALE	2151z	05 Sep 2018	0.6m
GAMTOOS	2154z	05 Sep 2018	0.7m
HANKEY	0318z	06 Sep 2018	0.7m

SRI LANKA

OKANDA	0453z	05 Sep 2018	2.4m
AKKARAI PATTU	0453z	05 Sep 2018	2.7m
KIRINDA	0456z	05 Sep 2018	3.2m
BATTICALOA	0456z	05 Sep 2018	3.0m
POTTUVIL	0458z	05 Sep 2018	2.0m
ANAITIVU	0502z	05 Sep 2018	2.4m
KATTANKUDI	0505z	05 Sep 2018	2.9m
MATARA	0506z	05 Sep 2018	2.4m
PANKULAM	0506z	05 Sep 2018	2.4m
TANGALLE	0508z	05 Sep 2018	2.3m
HAMBANTOTA	0512z	05 Sep 2018	3.5m
MULLAITTIVU	0515z	05 Sep 2018	2.1m
GALLE	0517z	05 Sep 2018	2.4m
AMBALANGODA	0521z	05 Sep 2018	2.3m
CHUNDIKKULAM	0532z	05 Sep 2018	4.7m
BERUWALA	0539z	05 Sep 2018	1.8m
CHAVAKACHCHERI	0544z	05 Sep 2018	2.8m
COLOMBO	0544z	05 Sep 2018	2.2m
MORATUWA	0547z	05 Sep 2018	1.7m
POINT PEDRO	0549z	05 Sep 2018	2.5m
MUNDAL LAKE	0604z	05 Sep 2018	1.6m
NEGOMBO	0605z	05 Sep 2018	1.3m
MANNAR ISLAND	0609z	05 Sep 2018	1.8m
MUSALI	0621z	05 Sep 2018	1.4m

TANZANIA

JIMBO	1158z	05 Sep 2018	1.7m
VUMBI	1159z	05 Sep 2018	1.3m
ZANZIBAR	1203z	05 Sep 2018	1.2m
VUMBA	1203z	05 Sep 2018	1.3m
SONGO SONGO ISLAND	1203z	05 Sep 2018	1.3m
KUTANI	1203z	05 Sep 2018	1.0m
RUUU	1203z	05 Sep 2018	1.6m
MSASANI	1214z	05 Sep 2018	1.4m
WEST TO KONDE	1223z	05 Sep 2018	1.7m
BAGAMOYO	1223z	05 Sep 2018	1.7m
MADANGWA	1225z	05 Sep 2018	0.9m
BOMALANDNI	1230z	05 Sep 2018	1.3m
GAZIJA	1231z	05 Sep 2018	0.8m

THAILAND

THAI MUEANG	0410z	05 Sep 2018	3.2m
KO RACHA NOI	0413z	05 Sep 2018	3.7m
KOH SURIN TAI	0431z	05 Sep 2018	3.5m
KOH LANTA YAI	0450z	05 Sep 2018	2.4m
THAI MUEANG TAKUA PA	0450z	05 Sep 2018	3.5m
KOH ROK	0454z	05 Sep 2018	1.9m
MUEANG SATUN	0459z	05 Sep 2018	2.2m
KOH TARUTAO	0548z	05 Sep 2018	3.2m

TIMOR-LESTE

PANTE MACASSAR	2225z	05 Sep 2018	0.7m
----------------	-------	-------------	------

UNITED ARAB EMIRATES

KALBA	1159z	05 Sep 2018	1.3m
-------	-------	-------------	------

UNITED KINGDOM

MORESBY ISLAND	0636z	05 Sep 2018	4.8m	
DIEGO GARCIA	0641z	05 Sep 2018	2.0m	
NW EGMONT ISLAND	0703z	05 Sep 2018	1.1m	
YEMEN				

SOCOTRA ISLAND SOUTH	1009z	05 Sep 2018	1.9m	
SOCOTRA ISLAND WEST	1032z	05 Sep 2018	0.9m	
SOCOTRA ISLAND NORTH	1037z	05 Sep 2018	1.3m	
DAMQAWT	1040z	05 Sep 2018	1.2m	
AL GHAYDAH AIRPORT	1044z	05 Sep 2018	1.6m	
HUSWAYN	1103z	05 Sep 2018	1.5m	
ALQUMRAH	1116z	05 Sep 2018	1.2m	
HARRAH	1118z	05 Sep 2018	1.2m	
EAST TO HAMI	1121z	05 Sep 2018	0.9m	
HAMI	1130z	05 Sep 2018	0.9m	
AL MUKALLA	1142z	05 Sep 2018	1.5m	
KHANFAR	1229z	05 Sep 2018	0.9m	
ADEN	1235z	05 Sep 2018	0.8m	
MASILAH WADI	1240z	05 Sep 2018	0.9m	
MAALLAH	1248z	05 Sep 2018	1.3m	
QAWAH	1300z	05 Sep 2018	0.8m	
AL MUALLA	1329z	05 Sep 2018	0.8m	
RUDUM	1514z	05 Sep 2018	0.7m	
BROM MAYFA	1911z	05 Sep 2018	0.6m	
AHWAR	0226z	06 Sep 2018	0.5m	

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  
#  
#####  
#####
```

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

TSUNAMI BULLETIN NUMBER 5
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 0500 UTC Wednesday 05 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: 9.3 M
Depth: 10 km
Date: 05 SEP 2018
Origin Time: 0300UTC
Latitude: 3.3 N
Longitude: 96 E
Location: NORTHERN SUMATRA, INDONESIA

2. EVALUATION

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

Sabang (INDONESIA)	5.83 N	95.33 E	0325z	05 Sep 2018	8.0m
Meulaboh (INDONESIA)	4.13 N	96.13 E	0340z	05 Sep 2018	8.0m
Telukdalam (INDONESIA)	0.55 N	97.82 E	0345z	05 Sep 2018	6.0m
23227 (INDIA)	6.25 N	88.79 E	0419z	05 Sep 2018	0.46m
23219 (INDIA)	10.5 N	89.28 E	0424z	05 Sep 2018	0.33m
Sibolga (INDONESIA)	1.73 N	98.80 E	0440z	05 Sep 2018	4.00m

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

COCOS ISLAND	0519z	05 Sep 2018	0.9m
NINGALOO COAST	0815z	05 Sep 2018	1.1m
PILBARA COAST WEST	0850z	05 Sep 2018	2.2m
GASCOYNE COAST	0852z	05 Sep 2018	1.9m
PILBARA COAST EAST	0922z	05 Sep 2018	1.9m
GERALDTON COAST	0945z	05 Sep 2018	2.3m
PERTH COAST	0957z	05 Sep 2018	1.1m
LEEUEWIN COAST	1012z	05 Sep 2018	1.3m
BUNBURY GEOGRAPHE COAST	1016z	05 Sep 2018	2.2m
WEST KIMBERLY COAST	1033z	05 Sep 2018	1.5m
LANCELIN COAST	1256z	05 Sep 2018	1.3m
HEARD ISLAND AND MCDONALD ISLANDS	1312z	05 Sep 2018	1.9m
AURORA BANK	1417z	05 Sep 2018	0.8m
NORTH KIMBERLY COAST	1740z	05 Sep 2018	0.8m
ALBANY COAST	1806z	05 Sep 2018	0.7m
EUCLA COAST	0116z	06 Sep 2018	0.7m
UPPER WEST COAST SA	0254z	06 Sep 2018	0.7m
ESPERANCE COAST	0258z	06 Sep 2018	0.6m
UPPER SOUTH EAST COAST SA	0331z	06 Sep 2018	0.6m

BANGLADESH

CHALNA	0657z	05 Sep 2018	1.4m
COXS BAZAR	0702z	05 Sep 2018	2.1m
KUTUBDIA ISLAND	0722z	05 Sep 2018	1.8m
BARGUNA	0731z	05 Sep 2018	1.8m

COMOROS

CHEZANI	1148z	05 Sep 2018	1.2m
DZAOUDZI	1403z	05 Sep 2018	0.7m

DJIBOUTI

NW ARTA	1305z	05 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1308z	05 Sep 2018	0.9m

FRANCE

ILE SAINT-PAUL-NORTH	0949z	05 Sep 2018	0.7m
ILE SAINT-PAUL-SOUTH	1005z	05 Sep 2018	1.0m
SAINT-JOSEPH	1009z	05 Sep 2018	0.6m
SAINT-DENIS	1021z	05 Sep 2018	0.6m
ILE KERGUELEN	1230z	05 Sep 2018	4.7m
NES CROZET	1246z	05 Sep 2018	0.7m
ILE DE LA POSSESSION	1248z	05 Sep 2018	1.5m
CROZET PLATEAU	1308z	05 Sep 2018	1.2m

INDIA

INDIRA POINT	0302z	05 Sep 2018	8.0m
KOMATRA & KATCHAL ISLAND	0325z	05 Sep 2018	6.7m
CAR NICOBAR	0344z	05 Sep 2018	3.8m
LITTLE ANDAMAN	0402z	05 Sep 2018	8.2m
PORT BLAIR	0407z	05 Sep 2018	4.2m
BARREN ISLAND	0411z	05 Sep 2018	1.1m
HAVELOCK	0416z	05 Sep 2018	3.5m
NORTH SENTINEL ISLAND	0422z	05 Sep 2018	3.2m
RANGATH BAY	0425z	05 Sep 2018	3.5m

NARCONDAM ISLAND	0428z	05 Sep 2018	1.1m
DIGLIPUR	0431z	05 Sep 2018	1.8m
WEST & LANDFALL ISLAND	0455z	05 Sep 2018	2.2m
FLAT ISLAND	0458z	05 Sep 2018	3.0m
MARAKKANAM	0533z	05 Sep 2018	2.5m
PUDUCHERRY	0534z	05 Sep 2018	2.8m
CUDDALORE	0535z	05 Sep 2018	2.5m
POOMBUHAR	0536z	05 Sep 2018	3.2m
ENNORE	0540z	05 Sep 2018	3.9m
MAHABALIPURAM	0541z	05 Sep 2018	5.8m
NAGAPATTINAM	0544z	05 Sep 2018	4.8m
MACHILIPATNAM	0545z	05 Sep 2018	3.5m
CHENNAI	0546z	05 Sep 2018	4.7m
SRIHARIKOTA	0546z	05 Sep 2018	3.4m
KARAIKAL	0547z	05 Sep 2018	4.8m
PERUPALEM	0549z	05 Sep 2018	2.9m
KAKINADA	0551z	05 Sep 2018	4.5m
MUTHUPET	0552z	05 Sep 2018	3.2m
MALLIPATTINAM	0552z	05 Sep 2018	3.1m
NIJAMPATTANAM	0553z	05 Sep 2018	4.8m
KOTTAPATNAM	0600z	05 Sep 2018	5.2m
VISAKHAPATNAM	0603z	05 Sep 2018	3.7m
KALINGAPATNAM	0604z	05 Sep 2018	4.5m
KONADA	0609z	05 Sep 2018	4.1m
PURI	0612z	05 Sep 2018	2.3m
RAMESWARAM	0612z	05 Sep 2018	1.8m
GOPALPUR	0613z	05 Sep 2018	4.0m
KOTTTAIPPATTANAM	0615z	05 Sep 2018	2.2m
PARADIP	0615z	05 Sep 2018	2.0m
TUTICORIN	0619z	05 Sep 2018	3.4m
KOODANKULAM	0625z	05 Sep 2018	2.8m
JAMBOO	0632z	05 Sep 2018	2.1m
KANYAKUMARI	0632z	05 Sep 2018	3.8m
TRIVANDRUM	0655z	05 Sep 2018	2.0m
QUILON	0702z	05 Sep 2018	1.4m
DHAMRA	0702z	05 Sep 2018	2.6m
ALLEPPEY ALAPPUZHA	0707z	05 Sep 2018	1.4m
HEMNAGAR	0708z	05 Sep 2018	1.9m
NAMKHANA	0711z	05 Sep 2018	2.1m
CHANDIPUR	0717z	05 Sep 2018	2.2m
DIGHA	0718z	05 Sep 2018	2.3m
KAVARATTI	0737z	05 Sep 2018	0.9m
VADANAPPALLY	0741z	05 Sep 2018	1.3m
VAKKAD	0758z	05 Sep 2018	1.5m
BEYPORE	0801z	05 Sep 2018	1.8m
AGATTI	0804z	05 Sep 2018	1.0m
KANNUR	0809z	05 Sep 2018	1.7m
MAHE	0810z	05 Sep 2018	1.3m
KASARAGOD	0820z	05 Sep 2018	2.0m
KARWAR	1016z	05 Sep 2018	1.4m
UDUPI	1019z	05 Sep 2018	1.6m
JAIGARH	1023z	05 Sep 2018	1.1m
COCHIN	1032z	05 Sep 2018	1.4m
VASCO	1304z	05 Sep 2018	1.2m
PANAJI	1317z	05 Sep 2018	1.0m
MALVAN BAY	1322z	05 Sep 2018	0.8m
MANGROL	1434z	05 Sep 2018	0.8m
PORBANDAR	1444z	05 Sep 2018	0.8m
ALIBAG PORT	1445z	05 Sep 2018	1.0m
DWARKA	1447z	05 Sep 2018	1.0m
HAZIRA, DIU	1454z	05 Sep 2018	0.9m

JAMNAGAR	1455z	05 Sep 2018	1.0m
MANGALORE	1508z	05 Sep 2018	1.7m
MUMBAI	1522z	05 Sep 2018	0.6m
AMINI	1524z	05 Sep 2018	0.6m
PIPAVAV	1645z	05 Sep 2018	0.7m
TARAPUR	1647z	05 Sep 2018	1.0m
MANDVI	1726z	05 Sep 2018	0.7m
MAHUVA	1826z	05 Sep 2018	0.9m
KHAMBAT	1837z	05 Sep 2018	0.7m
DAMAN	2123z	05 Sep 2018	1.0m
BORSI	2126z	05 Sep 2018	1.0m
HAZIRA	2128z	05 Sep 2018	0.9m
BHARUCH	2141z	05 Sep 2018	0.8m

INDONESIA

SUMUT TAPANULI-TENGAH KEP.MURSALA	0302z	05 Sep 2018	11.6m
SUMUT NIAS-SELATAN P.TANABALA	0302z	05 Sep 2018	5.9m
NAD SIMEULUE P.SIMEULUE	0302z	05 Sep 2018	10.1m
NIAS	0302z	05 Sep 2018	5.3m
SAKUBO	0302z	05 Sep 2018	5.6m
SUMUT MANDAILING-NATAL S	0302z	05 Sep 2018	6.0m
SUMUT MANDAILING-NATAL U	0302z	05 Sep 2018	5.7m
MUARASIBERUT	0302z	05 Sep 2018	5.8m
GUNUNGSITOLI	0302z	05 Sep 2018	4.4m
SUMUT NIAS-SELATAN P.NIAS	0302z	05 Sep 2018	5.9m
NAD ACEH-SINGKIL KEP.BANYAK	0302z	05 Sep 2018	6.2m
NAD ACEH-SELATAN U	0303z	05 Sep 2018	9.4m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0303z	05 Sep 2018	6.5m
NAD KOTA-SABANG P.WEH	0303z	05 Sep 2018	7.3m
JABAR CIAMIS	0304z	05 Sep 2018	2.7m
NIAS-EAST	0304z	05 Sep 2018	7.1m
NAD KOTA-BANDA-ACEH	0304z	05 Sep 2018	11.4m
NAD ACEH-SELATAN S	0304z	05 Sep 2018	10.8m
SUMUT NIAS-SELATAN P.TANAHMASA	0304z	05 Sep 2018	4.5m
SUMUT NIAS B	0305z	05 Sep 2018	6.7m
NAD ACEH-BARAT-DAYA	0305z	05 Sep 2018	9.5m
MURASAIBI	0305z	05 Sep 2018	8.3m
SUMBAR PADANG-PARIAMAN U	0305z	05 Sep 2018	5.7m
MUARASIGEP	0306z	05 Sep 2018	5.7m
SUMUT TAPANULI-TENGAH S	0306z	05 Sep 2018	8.1m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	7.5m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	5.6m
SUMBAR KOTA-PADANG S	0307z	05 Sep 2018	4.4m
SUMBAR AGAM	0307z	05 Sep 2018	5.6m
NAD ACEH-BESAR P.BREUEH	0307z	05 Sep 2018	12.9m
NAD ACEH-BARAT	0307z	05 Sep 2018	13.3m
NAD ACEH-JAYA	0307z	05 Sep 2018	13.5m
SUMBAR PADANG-PARIAMAN S	0308z	05 Sep 2018	4.8m
SUMUT TAPANULI-SELATAN	0308z	05 Sep 2018	8.2m
NAD ACEH-BESAR P.PENASI	0309z	05 Sep 2018	12.2m
JABAR TASIKMALAYA	0309z	05 Sep 2018	1.0m
NAD NAGAN-RAYA	0310z	05 Sep 2018	17.9m
NAD ACEH-BESAR U	0311z	05 Sep 2018	5.5m
NAD ACEH-BESAR B	0311z	05 Sep 2018	14.8m
NIAS-NORTH	0312z	05 Sep 2018	4.9m
SUMBAR PESISIR-SELATAN U	0313z	05 Sep 2018	4.6m
SUMUT TAPANULI-TENGAH U	0314z	05 Sep 2018	9.6m
SOUTH OF BODAHAYIONE	0315z	05 Sep 2018	5.9m
NAD PIDIE	0316z	05 Sep 2018	2.5m
NAD ACEH-SINGKIL	0316z	05 Sep 2018	5.2m

SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0316z	05 Sep 2018	4.2m
JATENG CILACAP	0320z	05 Sep 2018	1.9m
SUMBAR PESISIR-SELATAN S	0324z	05 Sep 2018	4.7m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0327z	05 Sep 2018	3.3m
NAD BIREUEN	0329z	05 Sep 2018	2.2m
BENGKULU MUKOMUKO	0336z	05 Sep 2018	2.9m
SUMBAR KOTA-PARIAMAN	0336z	05 Sep 2018	5.3m
NAD ACEH-UTARA B	0339z	05 Sep 2018	1.9m
NAD KOTA-LHOKSEUMAWA	0340z	05 Sep 2018	2.3m
NAD ACEH-UTARA T	0351z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA U	0403z	05 Sep 2018	1.8m
NAD ACEH-TIMUR	0410z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA S	0420z	05 Sep 2018	3.2m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0427z	05 Sep 2018	2.5m
BENGKULU SELUMA	0436z	05 Sep 2018	1.8m
BENGKULU BENGKULU-UTARA P.ENGGANO	0445z	05 Sep 2018	1.4m
BENGKULU BENGKULU-SELATAN	0446z	05 Sep 2018	1.4m
BENGKULU KAUR	0451z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0507z	05 Sep 2018	1.2m
NAD KOTA-LANGSA	0512z	05 Sep 2018	1.7m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0514z	05 Sep 2018	1.0m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0516z	05 Sep 2018	1.3m
JATENG KEBUMEN	0517z	05 Sep 2018	1.4m
LAMPUNG TANGGAMUS B	0522z	05 Sep 2018	2.3m
BANTEN PANDEGLANG P.PANAITAN	0530z	05 Sep 2018	1.9m
NAD ACEH-TAMIAANG	0533z	05 Sep 2018	2.7m
LAMPUNG TANGGAMUS T	0542z	05 Sep 2018	2.4m
LAMPUNG TANGGAMUS P.TABUAN	0545z	05 Sep 2018	1.3m
BANTEN PANDEGLANG U	0548z	05 Sep 2018	2.1m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0550z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0555z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0556z	05 Sep 2018	2.3m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0601z	05 Sep 2018	1.4m
BANTEN KOTA-CILEGON P.SANGIANG	0610z	05 Sep 2018	1.5m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0613z	05 Sep 2018	1.9m
BANTEN SERANG B	0613z	05 Sep 2018	1.6m
SUMUT LANGKAT	0616z	05 Sep 2018	1.8m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0620z	05 Sep 2018	3.0m
BANTEN KOTA-CILEGON	0627z	05 Sep 2018	2.2m
BELAWAN	0641z	05 Sep 2018	1.2m
SUMUT DELISERDANG	0649z	05 Sep 2018	1.5m
JATENG PURWOREJO	0650z	05 Sep 2018	0.9m
DIY KULON-PROGO	0654z	05 Sep 2018	1.1m
SUMUT SERDANG-BEDAGAI	0654z	05 Sep 2018	1.6m
DIY GUNUNG-KIDUL	0702z	05 Sep 2018	1.2m
SUMUT ASAHAN	0711z	05 Sep 2018	1.6m
LABUHAN BATU	0908z	05 Sep 2018	1.7m
BALI DENPASAR PANTAI-SANUR	0918z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-SELATAN B	0936z	05 Sep 2018	0.9m
BALI TABANAN	0938z	05 Sep 2018	0.8m
JABAR SUKABUMI PELABUHAN-RATU	0940z	05 Sep 2018	1.0m
JABAR SUKABUMI UJUNG-GENTENG	0947z	05 Sep 2018	1.0m
NTB SUMBAWA S	0959z	05 Sep 2018	0.9m
ROKAN HILIR	1106z	05 Sep 2018	0.9m
NTT SUMBA B	1207z	05 Sep 2018	0.8m
NTT MANGGARAI-BARAT P.	1208z	05 Sep 2018	0.9m
DUMAI	1213z	05 Sep 2018	1.0m
NTT MANGGARAI-BARAT S	1216z	05 Sep 2018	0.8m
NTT MANGGARAI S	1217z	05 Sep 2018	0.9m
JATIM JEMBER	1240z	05 Sep 2018	1.4m
JABAR GARUT	1259z	05 Sep 2018	0.9m

JABAR CIANJUR SINDANGBARANG	1303z	05 Sep 2018	0.9m
BANTEN LEBAK	1329z	05 Sep 2018	1.0m
DIY BANTUL	1331z	05 Sep 2018	0.9m
JATIM LUMAJANG	1334z	05 Sep 2018	0.9m
JATENG WONOGIRI	1340z	05 Sep 2018	0.9m
NTB LOMBOK-TENGAH	1341z	05 Sep 2018	0.8m
JATIM TRENGGALEK	1357z	05 Sep 2018	0.8m
JATIM BLITAR	1401z	05 Sep 2018	0.9m
BALI KLUNGKUNG P.NUSAPENIDA	1405z	05 Sep 2018	0.8m
NTB KOTA-BIMA S	1411z	05 Sep 2018	0.9m
NTB SUMBAWA B	1415z	05 Sep 2018	0.8m
BENGKALIS	1418z	05 Sep 2018	0.6m
NTB LOMBOK-TIMUR S	1426z	05 Sep 2018	0.9m
JATIM PACITAN	1513z	05 Sep 2018	1.0m
BANTEN PANDEGLANG S	1557z	05 Sep 2018	1.0m
JATIM MALANG	1642z	05 Sep 2018	0.8m
JATIM JEMBER P.NUSABARUNG	1649z	05 Sep 2018	1.0m
JATIM TULUNGAGUNG	2016z	05 Sep 2018	0.9m
JATIM BANYUWANGI S	2031z	05 Sep 2018	0.6m
NTT SUMBA T	2047z	05 Sep 2018	0.6m
NTB LOMBOK-BARAT S	2113z	05 Sep 2018	0.6m
NTT KUPANG	2140z	05 Sep 2018	0.8m
NTT KOTA-KUPANG	2158z	05 Sep 2018	1.0m
NTT ROTENDAO	2202z	05 Sep 2018	0.8m
NTT NGADA S	2217z	05 Sep 2018	0.8m
NTT FLORES-TIMUR S	2219z	05 Sep 2018	0.7m
NTT ENDE S	2221z	05 Sep 2018	0.6m
NTT LEMBATA S	2221z	05 Sep 2018	0.7m
NTT SIKKA S	2223z	05 Sep 2018	0.6m
PANTE MACASSAR	2230z	05 Sep 2018	0.7m
NTT FLORES-TIMUR P.SOLOR	2230z	05 Sep 2018	0.7m
BALI BADUNG PANTAI-KUTA	2318z	05 Sep 2018	0.8m
NTT ALOR S	0205z	06 Sep 2018	0.6m
NTT BELU U	0223z	06 Sep 2018	0.5m
SIAK	0253z	06 Sep 2018	0.5m

IRAN

BIR	1139z	05 Sep 2018	0.8m
MISKI	1240z	05 Sep 2018	1.7m
PUSHT	1517z	05 Sep 2018	0.8m

KENYA

KIWAYU	1139z	05 Sep 2018	1.6m
KIPINI	1146z	05 Sep 2018	1.6m
MALINDI	1152z	05 Sep 2018	1.5m
KISIMACHANDE	1212z	05 Sep 2018	2.0m
MVULENI	1233z	05 Sep 2018	1.1m
TAKAUNGU	1308z	05 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1050z	05 Sep 2018	1.5m
ANOROTSANGANA	1058z	05 Sep 2018	0.9m
TOAMASINA AIRPORT	1106z	05 Sep 2018	1.5m
TAMPOLO	1122z	05 Sep 2018	1.9m
AMBAHY	1123z	05 Sep 2018	1.6m
FARAFAGANA	1127z	05 Sep 2018	1.2m
GLORIOSO ISLANDS	1130z	05 Sep 2018	1.4m
MANANTENINA	1141z	05 Sep 2018	1.9m

SAMPONA	1223z	05 Sep 2018	1.3m
ANDROKA	1537z	05 Sep 2018	0.9m
BALY	1732z	05 Sep 2018	1.5m
TAMOTAMO	1952z	05 Sep 2018	0.8m
AMBANJA	2202z	05 Sep 2018	0.9m
MANJA	0331z	06 Sep 2018	0.7m

MALAYSIA

SATUN	0556z	05 Sep 2018	1.7m
YAN	0603z	05 Sep 2018	1.7m
WEST OF ALOR SETAR	0616z	05 Sep 2018	1.8m
SEBERANG PERAI UTARA & BARAT DAYA	0632z	05 Sep 2018	2.7m
SEBERANG PERAI SELATAN	0634z	05 Sep 2018	1.9m
KUALA MUDA	0639z	05 Sep 2018	2.7m
KERIAN	0654z	05 Sep 2018	1.8m
LARUT AND MATANG	0703z	05 Sep 2018	1.5m
MANJUNG	0717z	05 Sep 2018	2.1m
HILIR PERAK	0819z	05 Sep 2018	1.9m
SABAK BERNAM	0858z	05 Sep 2018	1.4m
KUALA SELANGOR	1029z	05 Sep 2018	1.8m
KUALA LANGAT	1101z	05 Sep 2018	1.2m
SEPANG	1218z	05 Sep 2018	1.0m
PORT DICKSON	1221z	05 Sep 2018	1.0m
MELAKA TENGAH & JASIN	1404z	05 Sep 2018	0.6m
JASIN	1427z	05 Sep 2018	0.6m
PONTIAN	1652z	05 Sep 2018	0.6m

MALDIVES

MALE	0612z	05 Sep 2018	4.2m
KOLHUFUSHI	0614z	05 Sep 2018	3.1m
DHIYAMIGILI	0616z	05 Sep 2018	4.1m
THINADHOO	0620z	05 Sep 2018	2.8m
HITHADHOO	0620z	05 Sep 2018	2.0m
KULHUDUFFUSHI	0621z	05 Sep 2018	3.4m
GOIDHOO	0629z	05 Sep 2018	2.2m
NILANDHOO	0636z	05 Sep 2018	2.4m
FERIDHOO	0637z	05 Sep 2018	2.5m

MAURITIUS

LA FERME	0852z	05 Sep 2018	2.1m
GRANDE REVIERE SUD EST-EAST	0942z	05 Sep 2018	1.5m
AGALEGA ISLAND	0953z	05 Sep 2018	0.6m
CARGADOS CARAJOS	1000z	05 Sep 2018	1.9m
GRANDE REVIERE SUD EST-WEST	1005z	05 Sep 2018	0.6m

MOZAMBIQUE

MAGANJA	1202z	05 Sep 2018	1.2m
QUITERAJO	1225z	05 Sep 2018	0.9m
MERONVI	1227z	05 Sep 2018	1.1m
NANGATA	1229z	05 Sep 2018	1.0m
PEMBA	1230z	05 Sep 2018	1.3m
LUMBO	1237z	05 Sep 2018	1.0m
TAVARI	1301z	05 Sep 2018	0.8m
MAGUEMBA	1428z	05 Sep 2018	1.3m
ZAVALA	1447z	05 Sep 2018	1.1m
XAI-XAI	1453z	05 Sep 2018	0.8m
INHARRIME	1502z	05 Sep 2018	0.9m

VILA DO CHINDE	1508z	05 Sep 2018	1.0m
MALUANA	1528z	05 Sep 2018	1.2m
MAIONGUE	1532z	05 Sep 2018	0.7m
AMADE	1807z	05 Sep 2018	0.6m
MINHAUINE	1852z	05 Sep 2018	0.6m
MOGINCUAL	1947z	05 Sep 2018	0.8m
MAPUTO	1959z	05 Sep 2018	0.8m
OCONE	2118z	05 Sep 2018	1.1m
MOEBASE	2213z	05 Sep 2018	0.8m
NOVA LUSITANIA	2217z	05 Sep 2018	0.8m
NHANGAU	2239z	05 Sep 2018	1.0m
INHASSORO	2250z	05 Sep 2018	0.6m
LURIO	0210z	06 Sep 2018	0.6m

MYANMAR

THAN KYUN	0434z	05 Sep 2018	2.6m
LORD LOUGHBOROUGH ISLAND	0435z	05 Sep 2018	3.0m
GREAT WESTERN TORRES ISLAND	0441z	05 Sep 2018	3.1m
LITTLE COCO ISLAND	0450z	05 Sep 2018	1.6m
PREPARIS ISLAND	0502z	05 Sep 2018	1.3m
KYWEGYAUNG	0553z	05 Sep 2018	2.5m
MALI KYUN	0558z	05 Sep 2018	1.9m
PHARPON	0604z	05 Sep 2018	2.4m
CHEDUBA ISLAND	0605z	05 Sep 2018	2.3m
MAGYIGYAING	0606z	05 Sep 2018	2.6m
MAWYEN	0609z	05 Sep 2018	2.4m
YANGON-S	0628z	05 Sep 2018	2.0m
SITTWE	0630z	05 Sep 2018	1.7m
YE	0633z	05 Sep 2018	1.5m
KYAUKPYU	0634z	05 Sep 2018	2.1m
THAWINCHAUNG	0636z	05 Sep 2018	1.6m

OMAN

SALALAH	1035z	05 Sep 2018	1.6m
HASIK	1038z	05 Sep 2018	1.4m
AD DUQM	1057z	05 Sep 2018	1.1m
MIRBAT	1141z	05 Sep 2018	0.7m
SOHAR	1157z	05 Sep 2018	0.6m
AL ASHKHARAH	1204z	05 Sep 2018	0.7m
TAQAH	1207z	05 Sep 2018	0.7m
EAST MUSANDAM	1218z	05 Sep 2018	1.2m
AL JAZER	1500z	05 Sep 2018	0.9m
SUR	1538z	05 Sep 2018	0.7m
RAS AR RUWAYS	1545z	05 Sep 2018	1.0m
MASIRAH	1623z	05 Sep 2018	0.8m
QURAYYAT	1851z	05 Sep 2018	0.8m
BARKA	1856z	05 Sep 2018	0.5m
MUSCAT	1923z	05 Sep 2018	0.6m

PAKISTAN

ORMARA	1427z	05 Sep 2018	0.9m
WINDER	1448z	05 Sep 2018	1.4m
KARACHI	1511z	05 Sep 2018	1.0m
SINDH	1726z	05 Sep 2018	0.9m

SEYCHELLES

FREGATE ISLAND	0924z	05 Sep 2018	1.9m
----------------	-------	-------------	------

COETIVY ISLAND	0941z	05 Sep 2018	0.6m
TAKAMAKA	1034z	05 Sep 2018	2.1m
ILE DESROCHES	1652z	05 Sep 2018	0.5m
FARQUHAR GROUP	1745z	05 Sep 2018	0.5m

SOMALIA

BANDER-BEYLA	1013z	05 Sep 2018	2.8m
TOOXIN	1021z	05 Sep 2018	4.1m
EYL	1021z	05 Sep 2018	2.0m
GALDOGOB	1023z	05 Sep 2018	2.2m
JARIIBAN	1024z	05 Sep 2018	1.4m
CEEL DHEER	1032z	05 Sep 2018	2.0m
MAREEG	1032z	05 Sep 2018	1.8m
ITALA	1032z	05 Sep 2018	1.2m
XARARDHEERE	1034z	05 Sep 2018	2.0m
UARSCIECH	1035z	05 Sep 2018	1.1m
MUQDISHO	1041z	05 Sep 2018	1.5m
ABO	1055z	05 Sep 2018	2.5m
BARAAWE	1056z	05 Sep 2018	1.4m
JILIB	1100z	05 Sep 2018	1.1m
NE BEERNAASI	1108z	05 Sep 2018	1.6m
KAAMBOONI	1115z	05 Sep 2018	1.2m
BEYNAX BARRE	1129z	05 Sep 2018	0.7m
TURDHO	1154z	05 Sep 2018	0.6m
SAYLAC	1302z	05 Sep 2018	0.6m
BAKI	1303z	05 Sep 2018	0.6m
LOYADO	1303z	05 Sep 2018	0.8m
QANDALA	1941z	05 Sep 2018	0.7m

SOUTH AFRICA

LAKE SIBAYI	1422z	05 Sep 2018	1.1m
KOSIMEER	1426z	05 Sep 2018	0.9m
MANDI	1439z	05 Sep 2018	1.2m
FUNK SEAMOUNT	1453z	05 Sep 2018	1.3m
ABORETUM	1459z	05 Sep 2018	0.8m
BIZANA	1506z	05 Sep 2018	0.9m
LUSIKISIKI	1507z	05 Sep 2018	0.7m
KENTANI	1510z	05 Sep 2018	0.8m
WILLOWVALE	1512z	05 Sep 2018	0.8m
KAYSERS BEACH	1516z	05 Sep 2018	1.0m
MARSHSTRAND	1518z	05 Sep 2018	1.0m
GWABALANDA HITAWI	1520z	05 Sep 2018	0.6m
ZIKHOVA	1522z	05 Sep 2018	0.7m
PEDDIE	1530z	05 Sep 2018	0.8m
ALEXANDRIA	1624z	05 Sep 2018	0.8m
PORT DURNFORD	1717z	05 Sep 2018	0.9m
MOSSEL	1724z	05 Sep 2018	1.5m
MARGATE	1737z	05 Sep 2018	0.9m
PORT ELIZABETH	1824z	05 Sep 2018	1.1m
PORT ST JOHNS	1840z	05 Sep 2018	1.1m
BATHURST	1931z	05 Sep 2018	0.8m
GEORGE	2016z	05 Sep 2018	0.8m
HUMANSDORP	2032z	05 Sep 2018	0.9m
HEIDELBERG	2111z	05 Sep 2018	0.8m
WITAAND	2119z	05 Sep 2018	0.8m
BREDASDORP	2138z	05 Sep 2018	1.0m
ELLIOTDALE	2151z	05 Sep 2018	0.6m
GAMTOOS	2154z	05 Sep 2018	0.7m
HANKEY	0318z	06 Sep 2018	0.7m

SRI LANKA

OKANDA	0453z	05 Sep 2018	2.4m
AKKARAIPATTU	0453z	05 Sep 2018	2.7m
KIRINDA	0456z	05 Sep 2018	3.2m
BATTICALOA	0456z	05 Sep 2018	3.0m
POTTUVIL	0458z	05 Sep 2018	2.0m
ANAITIVU	0502z	05 Sep 2018	2.4m
KATTANKUDI	0505z	05 Sep 2018	2.9m
PANKULAM	0506z	05 Sep 2018	2.4m
MATARA	0506z	05 Sep 2018	2.4m
TANGALLE	0508z	05 Sep 2018	2.3m
HAMBANTOTA	0512z	05 Sep 2018	3.5m
MULLAITTIVU	0515z	05 Sep 2018	2.1m
GALLE	0517z	05 Sep 2018	2.4m
AMBALANGODA	0521z	05 Sep 2018	2.3m
CHUNDIKKULAM	0532z	05 Sep 2018	4.7m
BERUWALA	0539z	05 Sep 2018	1.8m
CHAVAKACHCHERI	0544z	05 Sep 2018	2.8m
COLOMBO	0544z	05 Sep 2018	2.2m
MORATUWA	0547z	05 Sep 2018	1.7m
POINT PEDRO	0549z	05 Sep 2018	2.5m
MUNDAL LAKE	0604z	05 Sep 2018	1.6m
NEGOMBO	0605z	05 Sep 2018	1.3m
MANNAR ISLAND	0609z	05 Sep 2018	1.8m
MUSALI	0621z	05 Sep 2018	1.4m

TANZANIA

JIMBO	1158z	05 Sep 2018	1.7m
VUMBI	1159z	05 Sep 2018	1.3m
SONGO SONGO ISLAND	1203z	05 Sep 2018	1.3m
KUTANI	1203z	05 Sep 2018	1.0m
ZANZIBAR	1203z	05 Sep 2018	1.2m
RUUVU	1203z	05 Sep 2018	1.6m
VUMBA	1203z	05 Sep 2018	1.3m
MSASANI	1214z	05 Sep 2018	1.4m
WEST TO KONDE	1223z	05 Sep 2018	1.7m
BAGAMOYO	1223z	05 Sep 2018	1.7m
MADANGWA	1225z	05 Sep 2018	0.9m
BOMALANDNI	1230z	05 Sep 2018	1.3m
GAZIJA	1231z	05 Sep 2018	0.8m

THAILAND

THAI MUEANG	0410z	05 Sep 2018	3.2m
KO RACHA NOI	0413z	05 Sep 2018	3.7m
KOH SURIN TAI	0431z	05 Sep 2018	3.5m
KOH LANTA YAI	0450z	05 Sep 2018	2.4m
THAI MUEANG_TAKUA PA	0450z	05 Sep 2018	3.5m
KOH ROK	0454z	05 Sep 2018	1.9m
MUEANG SATUN	0459z	05 Sep 2018	2.2m
KOH TARUTAO	0548z	05 Sep 2018	3.2m

TIMOR-LESTE

PANTE MACASSAR	2225z	05 Sep 2018	0.7m
----------------	-------	-------------	------

UNITED ARAB EMIRATES

KALBA	1159z	05 Sep 2018	1.3m
UNITED KINGDOM			

MORESBY ISLAND	0636z	05 Sep 2018	4.8m
DIEGO GARCIA	0641z	05 Sep 2018	2.0m
NW EGMONT ISLAND	0703z	05 Sep 2018	1.1m
YEMEN			

SOCOTRA ISLAND SOUTH	1009z	05 Sep 2018	1.9m
SOCOTRA ISLAND WEST	1032z	05 Sep 2018	0.9m
SOCOTRA ISLAND NORTH	1037z	05 Sep 2018	1.3m
DAMQAWT	1040z	05 Sep 2018	1.2m
AL GHAYDAH AIRPORT	1044z	05 Sep 2018	1.6m
HUSWAYN	1103z	05 Sep 2018	1.5m
ALQUMRAH	1116z	05 Sep 2018	1.2m
HARRAH	1118z	05 Sep 2018	1.2m
EAST TO HAMI	1121z	05 Sep 2018	0.9m
HAMI	1130z	05 Sep 2018	0.9m
AL MUKALLA	1142z	05 Sep 2018	1.5m
KHANFAR	1229z	05 Sep 2018	0.9m
ADEN	1235z	05 Sep 2018	0.8m
MASILAH WADI	1240z	05 Sep 2018	0.9m
MAALLAH	1248z	05 Sep 2018	1.3m
QAWAH	1300z	05 Sep 2018	0.8m
AL MUALLA	1329z	05 Sep 2018	0.8m
RUDUM	1514z	05 Sep 2018	0.7m
BROM MAYFA	1911z	05 Sep 2018	0.6m
AHWAR	0226z	06 Sep 2018	0.5m

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  
#  
#####  
#####
```

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

TSUNAMI BULLETIN NUMBER 6
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 0600 UTC Wednesday 05 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: 9.3 M
Depth: 10 km
Date: 05 SEP 2018
Origin Time: 0300UTC
Latitude: 3.3 N
Longitude: 96 E
Location: NORTHERN SUMATRA, INDONESIA

2. EVALUATION

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

Sabang (INDONESIA)	5.83 N	95.33 E	0325z	05 Sep 2018	8.0m
Meulaboh (INDONESIA)	4.13 N	96.13 E	0340z	05 Sep 2018	8.0m
Telukdalam (INDONESIA)	0.55 N	97.82 E	0345z	05 Sep 2018	6.00m
23227 (INDIA)	6.25 N	88.79 E	0419z	05 Sep 2018	0.46m
23219 (INDIA)	10.5 N	89.28 E	0424z	05 Sep 2018	0.33m
Sibolga (INDONESIA)	1.73 N	98.80 E	0440z	05 Sep 2018	4.00m
Christmas Island (AUSTRALIA)	10.4 S	105.67 E	0500z	05 Sep 2018	0.75m
Nancowry (INDIA)	8.05 N	93.55 E	0515z	05 Sep 2018	5.39m
Trincommalee (SRILANKA)	8.56 N	81.20 E	0536z	05 Sep 2018	1.38m

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

COCOS ISLAND	0519z	05 Sep 2018	0.9m
NINGALOO COAST	0815z	05 Sep 2018	1.1m
PILBARA COAST WEST	0850z	05 Sep 2018	2.2m
GASCOYNE COAST	0852z	05 Sep 2018	1.9m
PILBARA COAST EAST	0922z	05 Sep 2018	1.9m
GERALDTON COAST	0945z	05 Sep 2018	2.3m
PERTH COAST	0957z	05 Sep 2018	1.1m
LEEUEWIN COAST	1012z	05 Sep 2018	1.3m
BUNBURY GEOGRAPHE COAST	1016z	05 Sep 2018	2.2m
WEST KIMBERLY COAST	1033z	05 Sep 2018	1.5m
LANCELIN COAST	1256z	05 Sep 2018	1.3m
HEARD ISLAND AND MCDONALD ISLANDS	1312z	05 Sep 2018	1.9m
AURORA BANK	1417z	05 Sep 2018	0.8m
NORTH KIMBERLY COAST	1740z	05 Sep 2018	0.8m
ALBANY COAST	1806z	05 Sep 2018	0.7m
EUCLA COAST	0116z	06 Sep 2018	0.7m
UPPER WEST COAST SA	0254z	06 Sep 2018	0.7m
ESPERANCE COAST	0258z	06 Sep 2018	0.6m
UPPER SOUTH EAST COAST SA	0331z	06 Sep 2018	0.6m

BANGLADESH

CHALNA	0657z	05 Sep 2018	1.4m
COXS BAZAR	0702z	05 Sep 2018	2.1m
KUTUBDIA ISLAND	0722z	05 Sep 2018	1.8m
BARGUNA	0731z	05 Sep 2018	1.8m

COMOROS

CHEZANI	1148z	05 Sep 2018	1.2m
DZAOUDZI	1403z	05 Sep 2018	0.7m

DJIBOUTI

NW ARTA	1305z	05 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1308z	05 Sep 2018	0.9m

FRANCE

ILE SAINT-PAUL-NORTH	0949z	05 Sep 2018	0.7m
ILE SAINT-PAUL-SOUTH	1005z	05 Sep 2018	1.0m
SAINT-JOSEPH	1009z	05 Sep 2018	0.6m
SAINT-DENIS	1021z	05 Sep 2018	0.6m
ILE KERGUELEN	1230z	05 Sep 2018	4.7m
NES CROZET	1246z	05 Sep 2018	0.7m
ILE DE LA POSSESSION	1248z	05 Sep 2018	1.5m
CROZET PLATEAU	1308z	05 Sep 2018	1.2m

INDIA

INDIRA POINT	0302z	05 Sep 2018	8.0m
KOMATRA & KATCHAL ISLAND	0325z	05 Sep 2018	6.7m
CAR NICOBAR	0344z	05 Sep 2018	3.8m
LITTLE ANDAMAN	0402z	05 Sep 2018	8.2m
PORT BLAIR	0407z	05 Sep 2018	4.2m

BARREN ISLAND	0411z	05 Sep 2018	1.1m
HAVELOCK	0416z	05 Sep 2018	3.5m
NORTH SENTINEL ISLAND	0422z	05 Sep 2018	3.2m
RANGATH BAY	0425z	05 Sep 2018	3.5m
NARCONDAM ISLAND	0428z	05 Sep 2018	1.1m
DIGLIPUR	0431z	05 Sep 2018	1.8m
WEST & LANDFALL ISLAND	0455z	05 Sep 2018	2.2m
FLAT ISLAND	0458z	05 Sep 2018	3.0m
MARAKKANAM	0533z	05 Sep 2018	2.5m
PUDUCHERRY	0534z	05 Sep 2018	2.8m
CUDDALORE	0535z	05 Sep 2018	2.5m
POOMBUHAR	0536z	05 Sep 2018	3.2m
ENNORE	0540z	05 Sep 2018	3.9m
MAHABALIPURAM	0541z	05 Sep 2018	5.8m
NAGAPATTINAM	0544z	05 Sep 2018	4.8m
MACHILIPATNAM	0545z	05 Sep 2018	3.5m
CHENNAI	0546z	05 Sep 2018	4.7m
SRIHARIKOTA	0546z	05 Sep 2018	3.4m
KARAIKAL	0547z	05 Sep 2018	4.8m
PERUPALEM	0549z	05 Sep 2018	2.9m
KAKINADA	0551z	05 Sep 2018	4.5m
MALLIPATTINAM	0552z	05 Sep 2018	3.1m
MUTHUPET	0552z	05 Sep 2018	3.2m
NIJAMPATTANAM	0553z	05 Sep 2018	4.8m
KOTTAPATNAM	0600z	05 Sep 2018	5.2m
VISAKHAPATNAM	0603z	05 Sep 2018	3.7m
KALINGAPATNAM	0604z	05 Sep 2018	4.5m
KONADA	0609z	05 Sep 2018	4.1m
PURI	0612z	05 Sep 2018	2.3m
RAMESWARAM	0612z	05 Sep 2018	1.8m
GOPALPUR	0613z	05 Sep 2018	4.0m
KOTTTAIPPATTANAM	0615z	05 Sep 2018	2.2m
PARADIP	0615z	05 Sep 2018	2.0m
TUTICORIN	0619z	05 Sep 2018	3.4m
KOODANKULAM	0625z	05 Sep 2018	2.8m
KANYAKUMARI	0632z	05 Sep 2018	3.8m
JAMBOO	0632z	05 Sep 2018	2.1m
TRIVANDRUM	0655z	05 Sep 2018	2.0m
DHAMRA	0702z	05 Sep 2018	2.6m
QUILON	0702z	05 Sep 2018	1.4m
ALLEPPEY ALAPPUZHA	0707z	05 Sep 2018	1.4m
HEMNAGAR	0708z	05 Sep 2018	1.9m
NAMKHANA	0711z	05 Sep 2018	2.1m
CHANDIPUR	0717z	05 Sep 2018	2.2m
DIGHA	0718z	05 Sep 2018	2.3m
KAVARATTI	0737z	05 Sep 2018	0.9m
VADANAPPALLY	0741z	05 Sep 2018	1.3m
VAKKAD	0758z	05 Sep 2018	1.5m
BEYPORE	0801z	05 Sep 2018	1.8m
AGATTI	0804z	05 Sep 2018	1.0m
KANNUR	0809z	05 Sep 2018	1.7m
MAHE	0810z	05 Sep 2018	1.3m
KASARAGOD	0820z	05 Sep 2018	2.0m
KARWAR	1016z	05 Sep 2018	1.4m
UDUPI	1019z	05 Sep 2018	1.6m
JAIGARH	1023z	05 Sep 2018	1.1m
COCHIN	1032z	05 Sep 2018	1.4m
VASCO	1304z	05 Sep 2018	1.2m
PANAJI	1317z	05 Sep 2018	1.0m
MALVAN BAY	1322z	05 Sep 2018	0.8m
MANGROL	1434z	05 Sep 2018	0.8m

PORBANDAR	1444z	05 Sep 2018	0.8m
ALIBAG PORT	1445z	05 Sep 2018	1.0m
DWARKA	1447z	05 Sep 2018	1.0m
HAZIRA, DIU	1454z	05 Sep 2018	0.9m
JAMNAGAR	1455z	05 Sep 2018	1.0m
MANGALORE	1508z	05 Sep 2018	1.7m
MUMBAI	1522z	05 Sep 2018	0.6m
AMINI	1524z	05 Sep 2018	0.6m
PIPAVAV	1645z	05 Sep 2018	0.7m
TARAPUR	1647z	05 Sep 2018	1.0m
MANDVI	1726z	05 Sep 2018	0.7m
MAHUVA	1826z	05 Sep 2018	0.9m
KHAMBAT	1837z	05 Sep 2018	0.7m
DAMAN	2123z	05 Sep 2018	1.0m
BORSI	2126z	05 Sep 2018	1.0m
HAZIRA	2128z	05 Sep 2018	0.9m
BHARUCH	2141z	05 Sep 2018	0.8m
INDONESIA			

SUMUT NIAS-SELATAN P.NIAS	0302z	05 Sep 2018	5.9m
NAD ACEH-SINGKIL KEP.BANYAK	0302z	05 Sep 2018	6.2m
NAD SIMEULUE P.SIMEULUE	0302z	05 Sep 2018	10.1m
SUMUT NIAS-SELATAN P.TANABALA	0302z	05 Sep 2018	5.9m
SUMUT MANDAILING-NATAL U	0302z	05 Sep 2018	5.7m
SAKUBO	0302z	05 Sep 2018	5.6m
GUNUNGSITOLI	0302z	05 Sep 2018	4.4m
MUARASIBERUT	0302z	05 Sep 2018	5.8m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0302z	05 Sep 2018	11.6m
SUMUT MANDAILING-NATAL S	0302z	05 Sep 2018	6.0m
NIAS	0302z	05 Sep 2018	5.3m
NAD ACEH-SELATAN U	0303z	05 Sep 2018	9.4m
NAD KOTA-SABANG P.WEH	0303z	05 Sep 2018	7.3m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0303z	05 Sep 2018	6.5m
JABAR CIAMIS	0304z	05 Sep 2018	2.7m
NIAS-EAST	0304z	05 Sep 2018	7.1m
NAD KOTA-BANDA-ACEH	0304z	05 Sep 2018	11.4m
NAD ACEH-SELATAN S	0304z	05 Sep 2018	10.8m
SUMUT NIAS-SELATAN P.TANAHMASA	0304z	05 Sep 2018	4.5m
MURASAIBI	0305z	05 Sep 2018	8.3m
NAD ACEH-BARAT-DAYA	0305z	05 Sep 2018	9.5m
SUMUT NIAS B	0305z	05 Sep 2018	6.7m
SUMBAR PADANG-PARIAMAN U	0305z	05 Sep 2018	5.7m
MUARASIGEP	0306z	05 Sep 2018	5.7m
SUMUT TAPANULI-TENGAH S	0306z	05 Sep 2018	8.1m
SUMBAR KOTA-PADANG S	0307z	05 Sep 2018	4.4m
SUMBAR AGAM	0307z	05 Sep 2018	5.6m
NAD ACEH-BESAR P.BREUEH	0307z	05 Sep 2018	12.9m
NAD ACEH-JAYA	0307z	05 Sep 2018	13.5m
NAD ACEH-BARAT	0307z	05 Sep 2018	13.3m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	7.5m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	5.6m
SUMUT TAPANULI-SELATAN	0308z	05 Sep 2018	8.2m
SUMBAR PADANG-PARIAMAN S	0308z	05 Sep 2018	4.8m
JABAR TASIKMALAYA	0309z	05 Sep 2018	1.0m
NAD ACEH-BESAR P.PENASI	0309z	05 Sep 2018	12.2m
NAD NAGAN-RAYA	0310z	05 Sep 2018	17.9m
NAD ACEH-BESAR U	0311z	05 Sep 2018	5.5m
NAD ACEH-BESAR B	0311z	05 Sep 2018	14.8m
NIAS-NORTH	0312z	05 Sep 2018	4.9m
SUMBAR PESISIR-SELATAN U	0313z	05 Sep 2018	4.6m

SUMUT TAPANULI-TENGAH U	0314z	05 Sep 2018	9.6m
SOUTH OF BODAHAYIONE	0315z	05 Sep 2018	5.9m
NAD PIDIE	0316z	05 Sep 2018	2.5m
NAD ACEH-SINGKIL	0316z	05 Sep 2018	5.2m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0316z	05 Sep 2018	4.2m
JATENG CILACAP	0320z	05 Sep 2018	1.9m
SUMBAR PESISIR-SELATAN S	0324z	05 Sep 2018	4.7m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0327z	05 Sep 2018	3.3m
NAD BIREUEN	0329z	05 Sep 2018	2.2m
BENGKULU MUKOMUKO	0336z	05 Sep 2018	2.9m
SUMBAR KOTA-PARIAMAN	0336z	05 Sep 2018	5.3m
NAD ACEH-UTARA B	0339z	05 Sep 2018	1.9m
NAD KOTA-LHOKSEUMAWA	0340z	05 Sep 2018	2.3m
NAD ACEH-UTARA T	0351z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA U	0403z	05 Sep 2018	1.8m
NAD ACEH-TIMUR	0410z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA S	0420z	05 Sep 2018	3.2m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0427z	05 Sep 2018	2.5m
BENGKULU SELUMA	0436z	05 Sep 2018	1.8m
BENGKULU BENGKULU-UTARA P.ENGGANO	0445z	05 Sep 2018	1.4m
BENGKULU BENGKULU-SELATAN	0446z	05 Sep 2018	1.4m
BENGKULU KAUR	0451z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0507z	05 Sep 2018	1.2m
NAD KOTA-LANGSA	0512z	05 Sep 2018	1.7m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0514z	05 Sep 2018	1.0m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0516z	05 Sep 2018	1.3m
JATENG KEBUMEN	0517z	05 Sep 2018	1.4m
LAMPUNG TANGGAMUS B	0522z	05 Sep 2018	2.3m
BANTEN PANDEGLANG P.PANAITAN	0530z	05 Sep 2018	1.9m
NAD ACEH-TAMIAANG	0533z	05 Sep 2018	2.7m
LAMPUNG TANGGAMUS T	0542z	05 Sep 2018	2.4m
LAMPUNG TANGGAMUS P.TABUAN	0545z	05 Sep 2018	1.3m
BANTEN PANDEGLANG U	0548z	05 Sep 2018	2.1m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0550z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0555z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0556z	05 Sep 2018	2.3m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0601z	05 Sep 2018	1.4m
BANTEN KOTA-CILEGON P.SANGIANG	0610z	05 Sep 2018	1.5m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0613z	05 Sep 2018	1.9m
BANTEN SERANG B	0613z	05 Sep 2018	1.6m
SUMUT LANGKAT	0616z	05 Sep 2018	1.8m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0620z	05 Sep 2018	3.0m
BANTEN KOTA-CILEGON	0627z	05 Sep 2018	2.2m
BELAWAN	0641z	05 Sep 2018	1.2m
SUMUT DELISERDANG	0649z	05 Sep 2018	1.5m
JATENG PURWOREJO	0650z	05 Sep 2018	0.9m
DIY KULON-PROGO	0654z	05 Sep 2018	1.1m
SUMUT SERDANG-BEDAGAI	0654z	05 Sep 2018	1.6m
DIY GUNUNG-KIDUL	0702z	05 Sep 2018	1.2m
SUMUT ASAHAN	0711z	05 Sep 2018	1.6m
LABUHAN BATU	0908z	05 Sep 2018	1.7m
BALI DENPASAR PANTAI-SANUR	0918z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-SELATAN B	0936z	05 Sep 2018	0.9m
BALI TABANAN	0938z	05 Sep 2018	0.8m
JABAR SUKABUMI PELABUHAN-RATU	0940z	05 Sep 2018	1.0m
JABAR SUKABUMI UJUNG-GENTENG	0947z	05 Sep 2018	1.0m
NTB SUMBAWA S	0959z	05 Sep 2018	0.9m
ROKAN HILIR	1106z	05 Sep 2018	0.9m
NTT SUMBA B	1207z	05 Sep 2018	0.8m
NTT MANGGARAI-BARAT P.	1208z	05 Sep 2018	0.9m
DUMAI	1213z	05 Sep 2018	1.0m

NTT MANGGARAI-BARAT S	1216z	05 Sep 2018	0.8m
NTT MANGGARAI S	1217z	05 Sep 2018	0.9m
JATIM JEMBER	1240z	05 Sep 2018	1.4m
JABAR GARUT	1259z	05 Sep 2018	0.9m
JABAR CIANJUR SINDANGBARANG	1303z	05 Sep 2018	0.9m
BANTEN LEBAK	1329z	05 Sep 2018	1.0m
DIY BANTUL	1331z	05 Sep 2018	0.9m
JATIM LUMAJANG	1334z	05 Sep 2018	0.9m
JATENG WONOGIRI	1340z	05 Sep 2018	0.9m
NTB LOMBOK-TENGAH	1341z	05 Sep 2018	0.8m
JATIM TRENGGALEK	1357z	05 Sep 2018	0.8m
JATIM BLITAR	1401z	05 Sep 2018	0.9m
BALI KLUNGKUNG P.NUSAPENIDA	1405z	05 Sep 2018	0.8m
NTB KOTA-BIMA S	1411z	05 Sep 2018	0.9m
NTB SUMBAWA B	1415z	05 Sep 2018	0.8m
BENGKALIS	1418z	05 Sep 2018	0.6m
NTB LOMBOK-TIMUR S	1426z	05 Sep 2018	0.9m
JATIM PACITAN	1513z	05 Sep 2018	1.0m
BANTEN PANDEGLANG S	1557z	05 Sep 2018	1.0m
JATIM MALANG	1642z	05 Sep 2018	0.8m
JATIM JEMBER P.NUSABARUNG	1649z	05 Sep 2018	1.0m
JATIM TULUNGAGUNG	2016z	05 Sep 2018	0.9m
JATIM BANYUWANGI S	2031z	05 Sep 2018	0.6m
NTT SUMBA T	2047z	05 Sep 2018	0.6m
NTB LOMBOK-BARAT S	2113z	05 Sep 2018	0.6m
NTT KUPANG	2140z	05 Sep 2018	0.8m
NTT KOTA-KUPANG	2158z	05 Sep 2018	1.0m
NTT ROTENDAO	2202z	05 Sep 2018	0.8m
NTT NGADA S	2217z	05 Sep 2018	0.8m
NTT FLORES-TIMUR S	2219z	05 Sep 2018	0.7m
NTT ENDE S	2221z	05 Sep 2018	0.6m
NTT LEMBATA S	2221z	05 Sep 2018	0.7m
NTT SIKKA S	2223z	05 Sep 2018	0.6m
PANTE MACASSAR	2230z	05 Sep 2018	0.7m
NTT FLORES-TIMUR P.SOLOR	2230z	05 Sep 2018	0.7m
BALI BADUNG PANTAI-KUTA	2318z	05 Sep 2018	0.8m
NTT ALOR S	0205z	06 Sep 2018	0.6m
NTT BELU U	0223z	06 Sep 2018	0.5m
SIAK	0253z	06 Sep 2018	0.5m

IRAN

BIR	1139z	05 Sep 2018	0.8m
MISKI	1240z	05 Sep 2018	1.7m
PUSHT	1517z	05 Sep 2018	0.8m

KENYA

KIWAYU	1139z	05 Sep 2018	1.6m
KIPINI	1146z	05 Sep 2018	1.6m
MALINDI	1152z	05 Sep 2018	1.5m
KISIMACHANDE	1212z	05 Sep 2018	2.0m
MVULENI	1233z	05 Sep 2018	1.1m
TAKAUNGU	1308z	05 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1050z	05 Sep 2018	1.5m
ANOROTSANGANA	1058z	05 Sep 2018	0.9m
TOAMASINA AIRPORT	1106z	05 Sep 2018	1.5m
TAMPOLO	1122z	05 Sep 2018	1.9m

AMBAHY	1123z	05 Sep 2018	1.6m
FARAFAGANA	1127z	05 Sep 2018	1.2m
GLORIOSO ISLANDS	1130z	05 Sep 2018	1.4m
MANANTENINA	1141z	05 Sep 2018	1.9m
SAMPONA	1223z	05 Sep 2018	1.3m
ANDROKA	1537z	05 Sep 2018	0.9m
BALY	1732z	05 Sep 2018	1.5m
TAMOTAMO	1952z	05 Sep 2018	0.8m
AMBANJA	2202z	05 Sep 2018	0.9m
MANJA	0331z	06 Sep 2018	0.7m

MALAYSIA

SATUN	0556z	05 Sep 2018	1.7m
YAN	0603z	05 Sep 2018	1.7m
WEST OF ALOR SETAR	0616z	05 Sep 2018	1.8m
SEBERANG PERAI UTARA & BARAT DAYA	0632z	05 Sep 2018	2.7m
SEBERANG PERAI SELATAN	0634z	05 Sep 2018	1.9m
KUALA MUDA	0639z	05 Sep 2018	2.7m
KERIAN	0654z	05 Sep 2018	1.8m
LARUT AND MATANG	0703z	05 Sep 2018	1.5m
MANJUNG	0717z	05 Sep 2018	2.1m
HILIR PERAK	0819z	05 Sep 2018	1.9m
SABAK BERNAM	0858z	05 Sep 2018	1.4m
KUALA SELANGOR	1029z	05 Sep 2018	1.8m
KUALA LANGAT	1101z	05 Sep 2018	1.2m
SEPANG	1218z	05 Sep 2018	1.0m
PORT DICKSON	1221z	05 Sep 2018	1.0m
MELAKA TENGAH & JASIN	1404z	05 Sep 2018	0.6m
JASIN	1427z	05 Sep 2018	0.6m
PONTIAN	1652z	05 Sep 2018	0.6m

MALDIVES

MALE	0612z	05 Sep 2018	4.2m
KOLHUFUSHI	0614z	05 Sep 2018	3.1m
DHIYAMIGILI	0616z	05 Sep 2018	4.1m
HITHADHOO	0620z	05 Sep 2018	2.0m
THINADHOO	0620z	05 Sep 2018	2.8m
KULHUDUFFUSHI	0621z	05 Sep 2018	3.4m
GOIDHOO	0629z	05 Sep 2018	2.2m
NILANDHOO	0636z	05 Sep 2018	2.4m
FERIDHOO	0637z	05 Sep 2018	2.5m

MAURITIUS

LA FERME	0852z	05 Sep 2018	2.1m
GRANDE REVIERE SUD EST-EAST	0942z	05 Sep 2018	1.5m
AGALEGA ISLAND	0953z	05 Sep 2018	0.6m
CARGADOS CARAJOS	1000z	05 Sep 2018	1.9m
GRANDE REVIERE SUD EST-WEST	1005z	05 Sep 2018	0.6m

MOZAMBIQUE

MAGANJA	1202z	05 Sep 2018	1.2m
QUITERAJO	1225z	05 Sep 2018	0.9m
MERONVI	1227z	05 Sep 2018	1.1m
NANGATA	1229z	05 Sep 2018	1.0m
PEMBA	1230z	05 Sep 2018	1.3m
LUMBO	1237z	05 Sep 2018	1.0m
TAVARI	1301z	05 Sep 2018	0.8m

MAGUEMBA	1428z	05 Sep 2018	1.3m
ZAVALA	1447z	05 Sep 2018	1.1m
XAI-XAI	1453z	05 Sep 2018	0.8m
INHARRIME	1502z	05 Sep 2018	0.9m
VILA DO CHINDE	1508z	05 Sep 2018	1.0m
MALUANA	1528z	05 Sep 2018	1.2m
MAIONGUE	1532z	05 Sep 2018	0.7m
AMADE	1807z	05 Sep 2018	0.6m
MINHAUINE	1852z	05 Sep 2018	0.6m
MOGINCUAL	1947z	05 Sep 2018	0.8m
MAPUTO	1959z	05 Sep 2018	0.8m
OCONE	2118z	05 Sep 2018	1.1m
MOEBASE	2213z	05 Sep 2018	0.8m
NOVA LUSITANIA	2217z	05 Sep 2018	0.8m
NHANGAU	2239z	05 Sep 2018	1.0m
INHASSORO	2250z	05 Sep 2018	0.6m
LURIO	0210z	06 Sep 2018	0.6m

MYANMAR

THAN KYUN	0434z	05 Sep 2018	2.6m
LORD LOUGHBOROUGH ISLAND	0435z	05 Sep 2018	3.0m
GREAT WESTERN TORRES ISLAND	0441z	05 Sep 2018	3.1m
LITTLE COCO ISLAND	0450z	05 Sep 2018	1.6m
PREPARIS ISLAND	0502z	05 Sep 2018	1.3m
KYWEGYAUNG	0553z	05 Sep 2018	2.5m
MALI KYUN	0558z	05 Sep 2018	1.9m
PHARPON	0604z	05 Sep 2018	2.4m
CHEDUBA ISLAND	0605z	05 Sep 2018	2.3m
MAGYIGYAING	0606z	05 Sep 2018	2.6m
MAWYEN	0609z	05 Sep 2018	2.4m
YANGON-S	0628z	05 Sep 2018	2.0m
SITTWE	0630z	05 Sep 2018	1.7m
YE	0633z	05 Sep 2018	1.5m
KYAUKPYU	0634z	05 Sep 2018	2.1m
THAWINCHAUNG	0636z	05 Sep 2018	1.6m

OMAN

SALALAH	1035z	05 Sep 2018	1.6m
HASIK	1038z	05 Sep 2018	1.4m
AD DUQM	1057z	05 Sep 2018	1.1m
MIRBAT	1141z	05 Sep 2018	0.7m
SOHAR	1157z	05 Sep 2018	0.6m
AL ASHKHARAH	1204z	05 Sep 2018	0.7m
TAQAH	1207z	05 Sep 2018	0.7m
EAST MUSANDAM	1218z	05 Sep 2018	1.2m
AL JAZER	1500z	05 Sep 2018	0.9m
SUR	1538z	05 Sep 2018	0.7m
RAS AR RUWAYS	1545z	05 Sep 2018	1.0m
MASIRAH	1623z	05 Sep 2018	0.8m
QURAYYAT	1851z	05 Sep 2018	0.8m
BARKA	1856z	05 Sep 2018	0.5m
MUSCAT	1923z	05 Sep 2018	0.6m

PAKISTAN

ORMARA	1427z	05 Sep 2018	0.9m
WINDER	1448z	05 Sep 2018	1.4m
KARACHI	1511z	05 Sep 2018	1.0m
SINDH	1726z	05 Sep 2018	0.9m

SEYCHELLES

FREGATE ISLAND	0924z	05 Sep 2018	1.9m
COETIVY ISLAND	0941z	05 Sep 2018	0.6m
TAKAMAKA	1034z	05 Sep 2018	2.1m
ILE DESROCHES	1652z	05 Sep 2018	0.5m
FARQUHAR GROUP	1745z	05 Sep 2018	0.5m

SOMALIA

BANDER-BEYLA	1013z	05 Sep 2018	2.8m
EYL	1021z	05 Sep 2018	2.0m
TOOXIN	1021z	05 Sep 2018	4.1m
GALDOGOB	1023z	05 Sep 2018	2.2m
JARIIBAN	1024z	05 Sep 2018	1.4m
CEEL DHEER	1032z	05 Sep 2018	2.0m
ITALA	1032z	05 Sep 2018	1.2m
MAREEG	1032z	05 Sep 2018	1.8m
XARARDHEERE	1034z	05 Sep 2018	2.0m
UARSCIECH	1035z	05 Sep 2018	1.1m
MUQDISHO	1041z	05 Sep 2018	1.5m
ABO	1055z	05 Sep 2018	2.5m
BARAAWE	1056z	05 Sep 2018	1.4m
JILIB	1100z	05 Sep 2018	1.1m
NE BEERNAASI	1108z	05 Sep 2018	1.6m
KAAMBOONI	1115z	05 Sep 2018	1.2m
BEYNAX BARRE	1129z	05 Sep 2018	0.7m
TURDHO	1154z	05 Sep 2018	0.6m
SAYLAC	1302z	05 Sep 2018	0.6m
BAKI	1303z	05 Sep 2018	0.6m
LOYADO	1303z	05 Sep 2018	0.8m
QANDALA	1941z	05 Sep 2018	0.7m

SOUTH AFRICA

LAKE SIBAYI	1422z	05 Sep 2018	1.1m
KOSIMEER	1426z	05 Sep 2018	0.9m
MANDI	1439z	05 Sep 2018	1.2m
FUNK SEAMOUNT	1453z	05 Sep 2018	1.3m
ABORETUM	1459z	05 Sep 2018	0.8m
BIZANA	1506z	05 Sep 2018	0.9m
LUSIKISIKI	1507z	05 Sep 2018	0.7m
KENTANI	1510z	05 Sep 2018	0.8m
WILLOWVALE	1512z	05 Sep 2018	0.8m
KAYSERS BEACH	1516z	05 Sep 2018	1.0m
MARSHSTRAND	1518z	05 Sep 2018	1.0m
GWABALANDA HITAWI	1520z	05 Sep 2018	0.6m
ZIKHOVA	1522z	05 Sep 2018	0.7m
PEDDIE	1530z	05 Sep 2018	0.8m
ALEXANDRIA	1624z	05 Sep 2018	0.8m
PORT DURNFORD	1717z	05 Sep 2018	0.9m
MOSSEL	1724z	05 Sep 2018	1.5m
MARGATE	1737z	05 Sep 2018	0.9m
PORT ELIZABETH	1824z	05 Sep 2018	1.1m
PORT ST JOHNS	1840z	05 Sep 2018	1.1m
BATHURST	1931z	05 Sep 2018	0.8m
GEORGE	2016z	05 Sep 2018	0.8m
HUMANSDORP	2032z	05 Sep 2018	0.9m
HEIDELBERG	2111z	05 Sep 2018	0.8m
WITAAND	2119z	05 Sep 2018	0.8m

BREDASDORP	2138z	05 Sep 2018	1.0m
ELLIOTDALE	2151z	05 Sep 2018	0.6m
GAMTOOS	2154z	05 Sep 2018	0.7m
HANKEY	0318z	06 Sep 2018	0.7m

SRI LANKA

OKANDA	0453z	05 Sep 2018	2.4m
AKKARAIPATTU	0453z	05 Sep 2018	2.7m
KIRINDA	0456z	05 Sep 2018	3.2m
BATTICALOA	0456z	05 Sep 2018	3.0m
POTTUVIL	0458z	05 Sep 2018	2.0m
ANAITIVU	0502z	05 Sep 2018	2.4m
KATTANKUDI	0505z	05 Sep 2018	2.9m
MATARA	0506z	05 Sep 2018	2.4m
PANKULAM	0506z	05 Sep 2018	2.4m
TANGALLE	0508z	05 Sep 2018	2.3m
HAMBANTOTA	0512z	05 Sep 2018	3.5m
MULLAITTIVU	0515z	05 Sep 2018	2.1m
GALLE	0517z	05 Sep 2018	2.4m
AMBALANGODA	0521z	05 Sep 2018	2.3m
CHUNDIKKULAM	0532z	05 Sep 2018	4.7m
BERUWALA	0539z	05 Sep 2018	1.8m
CHAVAKACHCHERI	0544z	05 Sep 2018	2.8m
COLOMBO	0544z	05 Sep 2018	2.2m
MORATUWA	0547z	05 Sep 2018	1.7m
POINT PEDRO	0549z	05 Sep 2018	2.5m
MUNDAL LAKE	0604z	05 Sep 2018	1.6m
NEGOMBO	0605z	05 Sep 2018	1.3m
MANNAR ISLAND	0609z	05 Sep 2018	1.8m
MUSALI	0621z	05 Sep 2018	1.4m

TANZANIA

JIMBO	1158z	05 Sep 2018	1.7m
VUMBI	1159z	05 Sep 2018	1.3m
RUVU	1203z	05 Sep 2018	1.6m
VUMBA	1203z	05 Sep 2018	1.3m
ZANZIBAR	1203z	05 Sep 2018	1.2m
SONGO SONGO ISLAND	1203z	05 Sep 2018	1.3m
KUTANI	1203z	05 Sep 2018	1.0m
MSASANI	1214z	05 Sep 2018	1.4m
WEST TO KONDE	1223z	05 Sep 2018	1.7m
BAGAMOYO	1223z	05 Sep 2018	1.7m
MADANGWA	1225z	05 Sep 2018	0.9m
BOMALANDNI	1230z	05 Sep 2018	1.3m
GAZIJA	1231z	05 Sep 2018	0.8m

THAILAND

THAI MUEANG	0410z	05 Sep 2018	3.2m
KO RACHA NOI	0413z	05 Sep 2018	3.7m
KOH SURIN TAI	0431z	05 Sep 2018	3.5m
KOH LANTA YAI	0450z	05 Sep 2018	2.4m
THAI MUEANG_TAKUA PA	0450z	05 Sep 2018	3.5m
KOH ROK	0454z	05 Sep 2018	1.9m
MUEANG SATUN	0459z	05 Sep 2018	2.2m
KOH TARUTAO	0548z	05 Sep 2018	3.2m

TIMOR-LESTE

PANTE MACASSAR	2225z	05 Sep 2018	0.7m
UNITED ARAB EMIRATES			

KALBA	1159z	05 Sep 2018	1.3m
UNITED KINGDOM			

MORESBY ISLAND	0636z	05 Sep 2018	4.8m
DIEGO GARCIA	0641z	05 Sep 2018	2.0m
NW EGMONT ISLAND	0703z	05 Sep 2018	1.1m
YEMEN			

SOCOTRA ISLAND SOUTH	1009z	05 Sep 2018	1.9m
SOCOTRA ISLAND WEST	1032z	05 Sep 2018	0.9m
SOCOTRA ISLAND NORTH	1037z	05 Sep 2018	1.3m
DAMQAWT	1040z	05 Sep 2018	1.2m
AL GHAYDAH AIRPORT	1044z	05 Sep 2018	1.6m
HUSWAYN	1103z	05 Sep 2018	1.5m
ALQUMRAH	1116z	05 Sep 2018	1.2m
HARRAH	1118z	05 Sep 2018	1.2m
EAST TO HAMI	1121z	05 Sep 2018	0.9m
HAMI	1130z	05 Sep 2018	0.9m
AL MUKALLA	1142z	05 Sep 2018	1.5m
KHANFAR	1229z	05 Sep 2018	0.9m
ADEN	1235z	05 Sep 2018	0.8m
MASILAH WADI	1240z	05 Sep 2018	0.9m
MAALLAH	1248z	05 Sep 2018	1.3m
QAWAH	1300z	05 Sep 2018	0.8m
AL MUALLA	1329z	05 Sep 2018	0.8m
RUDUM	1514z	05 Sep 2018	0.7m
BROM MAYFA	1911z	05 Sep 2018	0.6m
AHWAR	0226z	06 Sep 2018	0.5m

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 0700 UTC Wednesday 05 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: 9.3 M
Depth: 10 km
Date: 05 SEP 2018
Origin Time: 0300UTC
Latitude: 3.3 N
Longitude: 96 E
Location: NORTHERN SUMATRA, INDONESIA

2. EVALUATION

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

Sabang (INDONESIA)	5.83 N	95.33 E	0325z	05 Sep 2018	8.0m
Meulaboh (INDONESIA)	4.13 N	96.13 E	0340z	05 Sep 2018	8.0m
Telukdalam (INDONESIA)	0.55 N	97.82 E	0345z	05 Sep 2018	6.00m
23227 (INDIA)	6.25 N	88.79 E	0419z	05 Sep 2018	0.46m
23219 (INDIA)	10.5 N	89.28 E	0424z	05 Sep 2018	0.33m
Sibolga (INDONESIA)	1.73 N	98.80 E	0440z	05 Sep 2018	4.00m
Christmas Island (AUSTRALIA)	10.4 S	105.67 E	0500z	05 Sep 2018	0.75m
Nancowry (INDIA)	8.05 N	93.55 E	0515z	05 Sep 2018	5.39m
Trincommalee (SRILANKA)	8.56 N	81.20 E	0536z	05 Sep 2018	1.38m
Langkawi (MALAYSIA)	6.87 N	99.77 E	0606z	05 Sep 2018	2.61m
Cilicap (INDONESIA)	7.75 S	109.01 E	0638z	05 Sep 2018	0.5m
Diego Garcia (UK)	7.29 S	72.39 E	0655z	05 Sep 2018	1.57m

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

COCOS ISLAND	0519z	05 Sep 2018	0.9m
NINGALOO COAST	0815z	05 Sep 2018	1.1m
PILBARA COAST WEST	0850z	05 Sep 2018	2.2m
GASCOYNE COAST	0852z	05 Sep 2018	1.9m
PILBARA COAST EAST	0922z	05 Sep 2018	1.9m
GERALDTON COAST	0945z	05 Sep 2018	2.3m
PERTH COAST	0957z	05 Sep 2018	1.1m
LEEUEWIN COAST	1012z	05 Sep 2018	1.3m
BUNBURY GEOGRAPHE COAST	1016z	05 Sep 2018	2.2m
WEST KIMBERLY COAST	1033z	05 Sep 2018	1.5m
LANCELIN COAST	1256z	05 Sep 2018	1.3m
HEARD ISLAND AND MCDONALD ISLANDS	1312z	05 Sep 2018	1.9m
AURORA BANK	1417z	05 Sep 2018	0.8m
NORTH KIMBERLY COAST	1740z	05 Sep 2018	0.8m
ALBANY COAST	1806z	05 Sep 2018	0.7m
EUCLA COAST	0116z	06 Sep 2018	0.7m
UPPER WEST COAST SA	0254z	06 Sep 2018	0.7m
ESPERANCE COAST	0258z	06 Sep 2018	0.6m
UPPER SOUTH EAST COAST SA	0331z	06 Sep 2018	0.6m

BANGLADESH

CHALNA	0657z	05 Sep 2018	1.4m
COXS BAZAR	0702z	05 Sep 2018	2.1m
KUTUBDIA ISLAND	0722z	05 Sep 2018	1.8m
BARGUNA	0731z	05 Sep 2018	1.8m

COMOROS

CHEZANI	1148z	05 Sep 2018	1.2m
DZAOUDZI	1403z	05 Sep 2018	0.7m

DJIBOUTI

NW ARTA	1305z	05 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1308z	05 Sep 2018	0.9m

FRANCE

ILE SAINT-PAUL-NORTH	0949z	05 Sep 2018	0.7m
ILE SAINT-PAUL-SOUTH	1005z	05 Sep 2018	1.0m
SAINT-JOSEPH	1009z	05 Sep 2018	0.6m
SAINT-DENIS	1021z	05 Sep 2018	0.6m
ILE KERGUELEN	1230z	05 Sep 2018	4.7m
NES CROZET	1246z	05 Sep 2018	0.7m
ILE DE LA POSSESSION	1248z	05 Sep 2018	1.5m
CROZET PLATEAU	1308z	05 Sep 2018	1.2m

INDIA

INDIRA POINT	0302z	05 Sep 2018	8.0m
KOMATRA & KATCHAL ISLAND	0325z	05 Sep 2018	6.7m
CAR NICOBAR	0344z	05 Sep 2018	3.8m

LITTLE ANDAMAN	0402z	05 Sep 2018	8.2m
PORT BLAIR	0407z	05 Sep 2018	4.2m
BARREN ISLAND	0411z	05 Sep 2018	1.1m
HAVELOCK	0416z	05 Sep 2018	3.5m
NORTH SENTINEL ISLAND	0422z	05 Sep 2018	3.2m
RANGATH BAY	0425z	05 Sep 2018	3.5m
NARCONDAM ISLAND	0428z	05 Sep 2018	1.1m
DIGLIPUR	0431z	05 Sep 2018	1.8m
WEST & LANDFALL ISLAND	0455z	05 Sep 2018	2.2m
FLAT ISLAND	0458z	05 Sep 2018	3.0m
MARAKKANAM	0533z	05 Sep 2018	2.5m
PUDUCHERRY	0534z	05 Sep 2018	2.8m
CUDDALORE	0535z	05 Sep 2018	2.5m
POOMBUHAR	0536z	05 Sep 2018	3.2m
ENNORE	0540z	05 Sep 2018	3.9m
MAHABALIPURAM	0541z	05 Sep 2018	5.8m
NAGAPATTINAM	0544z	05 Sep 2018	4.8m
MACHILIPATNAM	0545z	05 Sep 2018	3.5m
SRIHARIKOTA	0546z	05 Sep 2018	3.4m
CHENNAI	0546z	05 Sep 2018	4.7m
KARAIKAL	0547z	05 Sep 2018	4.8m
PERUPALEM	0549z	05 Sep 2018	2.9m
KAKINADA	0551z	05 Sep 2018	4.5m
MALLIPATTINAM	0552z	05 Sep 2018	3.1m
MUTHUPET	0552z	05 Sep 2018	3.2m
NIJAMPATTANAM	0553z	05 Sep 2018	4.8m
KOTTAPATNAM	0600z	05 Sep 2018	5.2m
VISAKHAPATNAM	0603z	05 Sep 2018	3.7m
KALINGAPATNAM	0604z	05 Sep 2018	4.5m
KONADA	0609z	05 Sep 2018	4.1m
RAMESWARAM	0612z	05 Sep 2018	1.8m
PURI	0612z	05 Sep 2018	2.3m
GOPALPUR	0613z	05 Sep 2018	4.0m
PARADIP	0615z	05 Sep 2018	2.0m
KOTTTAIPPATTANAM	0615z	05 Sep 2018	2.2m
TUTICORIN	0619z	05 Sep 2018	3.4m
KOODANKULAM	0625z	05 Sep 2018	2.8m
KANYAKUMARI	0632z	05 Sep 2018	3.8m
JAMBOO	0632z	05 Sep 2018	2.1m
TRIVANDRUM	0655z	05 Sep 2018	2.0m
QUILON	0702z	05 Sep 2018	1.4m
DHAMRA	0702z	05 Sep 2018	2.6m
ALLEPPEY ALAPPUZHA	0707z	05 Sep 2018	1.4m
HEMNAGAR	0708z	05 Sep 2018	1.9m
NAMKHANA	0711z	05 Sep 2018	2.1m
CHANDIPUR	0717z	05 Sep 2018	2.2m
DIGHA	0718z	05 Sep 2018	2.3m
KAVARATTI	0737z	05 Sep 2018	0.9m
VADANAPPALLY	0741z	05 Sep 2018	1.3m
VAKKAD	0758z	05 Sep 2018	1.5m
BEYPORE	0801z	05 Sep 2018	1.8m
AGATTI	0804z	05 Sep 2018	1.0m
KANNUR	0809z	05 Sep 2018	1.7m
MAHE	0810z	05 Sep 2018	1.3m
KASARAGOD	0820z	05 Sep 2018	2.0m
KARWAR	1016z	05 Sep 2018	1.4m
UDUPI	1019z	05 Sep 2018	1.6m
JAIGARH	1023z	05 Sep 2018	1.1m
COCHIN	1032z	05 Sep 2018	1.4m
VASCO	1304z	05 Sep 2018	1.2m
PANAJI	1317z	05 Sep 2018	1.0m

MALVAN BAY	1322z	05 Sep 2018	0.8m
MANGROL	1434z	05 Sep 2018	0.8m
PORBANDAR	1444z	05 Sep 2018	0.8m
ALIBAG PORT	1445z	05 Sep 2018	1.0m
DWARKA	1447z	05 Sep 2018	1.0m
HAZIRA, DIU	1454z	05 Sep 2018	0.9m
JAMNAGAR	1455z	05 Sep 2018	1.0m
MANGALORE	1508z	05 Sep 2018	1.7m
MUMBAI	1522z	05 Sep 2018	0.6m
AMINI	1524z	05 Sep 2018	0.6m
PIPAVAV	1645z	05 Sep 2018	0.7m
TARAPUR	1647z	05 Sep 2018	1.0m
MANDVI	1726z	05 Sep 2018	0.7m
MAHUVA	1826z	05 Sep 2018	0.9m
KHAMBAT	1837z	05 Sep 2018	0.7m
DAMAN	2123z	05 Sep 2018	1.0m
BORSI	2126z	05 Sep 2018	1.0m
HAZIRA	2128z	05 Sep 2018	0.9m
BHARUCH	2141z	05 Sep 2018	0.8m
INDONESIA			

SUMUT MANDAILING-NATAL U	0302z	05 Sep 2018	5.7m
SUMUT NIAS-SELATAN P.TANABALA	0302z	05 Sep 2018	5.9m
NIAS	0302z	05 Sep 2018	5.3m
SAKUBO	0302z	05 Sep 2018	5.6m
SUMUT MANDAILING-NATAL S	0302z	05 Sep 2018	6.0m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0302z	05 Sep 2018	11.6m
MUARASIBERUT	0302z	05 Sep 2018	5.8m
GUNUNGSITOLI	0302z	05 Sep 2018	4.4m
SUMUT NIAS-SELATAN P.NIAS	0302z	05 Sep 2018	5.9m
NAD SIMEULUE P.SIMEULUE	0302z	05 Sep 2018	10.1m
NAD ACEH-SINGKIL KEP.BANYAK	0302z	05 Sep 2018	6.2m
NAD KOTA-SABANG P.WEH	0303z	05 Sep 2018	7.3m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0303z	05 Sep 2018	6.5m
NAD ACEH-SELATAN U	0303z	05 Sep 2018	9.4m
NAD ACEH-SELATAN S	0304z	05 Sep 2018	10.8m
SUMUT NIAS-SELATAN P.TANAHMASA	0304z	05 Sep 2018	4.5m
NIAS-EAST	0304z	05 Sep 2018	7.1m
NAD KOTA-BANDA-ACEH	0304z	05 Sep 2018	11.4m
JABAR CIAMIS	0304z	05 Sep 2018	2.7m
SUMUT NIAS B	0305z	05 Sep 2018	6.7m
NAD ACEH-BARAT-DAYA	0305z	05 Sep 2018	9.5m
MURASAIBI	0305z	05 Sep 2018	8.3m
SUMBAR PADANG-PARIAMAN U	0305z	05 Sep 2018	5.7m
MUARASIGEP	0306z	05 Sep 2018	5.7m
SUMUT TAPANULI-TENGAH S	0306z	05 Sep 2018	8.1m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	5.6m
NAD ACEH-BARAT	0307z	05 Sep 2018	13.3m
NAD ACEH-JAYA	0307z	05 Sep 2018	13.5m
NAD ACEH-BESAR P.BREUEH	0307z	05 Sep 2018	12.9m
SUMBAR AGAM	0307z	05 Sep 2018	5.6m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	7.5m
SUMBAR KOTA-PADANG S	0307z	05 Sep 2018	4.4m
SUMUT TAPANULI-SELATAN	0308z	05 Sep 2018	8.2m
SUMBAR PADANG-PARIAMAN S	0308z	05 Sep 2018	4.8m
NAD ACEH-BESAR P.PENASI	0309z	05 Sep 2018	12.2m
JABAR TASIKMALAYA	0309z	05 Sep 2018	1.0m
NAD NAGAN-RAYA	0310z	05 Sep 2018	17.9m
NAD ACEH-BESAR B	0311z	05 Sep 2018	14.8m
NAD ACEH-BESAR U	0311z	05 Sep 2018	5.5m

NIAS-NORTH	0312z	05 Sep 2018	4.9m
SUMBAR PESISIR-SELATAN U	0313z	05 Sep 2018	4.6m
SUMUT TAPANULI-TENGAH U	0314z	05 Sep 2018	9.6m
SOUTH OF BODAHAYIONE	0315z	05 Sep 2018	5.9m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0316z	05 Sep 2018	4.2m
NAD ACEH-SINGKIL	0316z	05 Sep 2018	5.2m
NAD PIDIE	0316z	05 Sep 2018	2.5m
JATENG CILACAP	0320z	05 Sep 2018	1.9m
SUMBAR PESISIR-SELATAN S	0324z	05 Sep 2018	4.7m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0327z	05 Sep 2018	3.3m
NAD BIREUEN	0329z	05 Sep 2018	2.2m
BENGKULU MUKOMUKO	0336z	05 Sep 2018	2.9m
SUMBAR KOTA-PARIAMAN	0336z	05 Sep 2018	5.3m
NAD ACEH-UTARA B	0339z	05 Sep 2018	1.9m
NAD KOTA-LHOKSEUMAWE	0340z	05 Sep 2018	2.3m
NAD ACEH-UTARA T	0351z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA U	0403z	05 Sep 2018	1.8m
NAD ACEH-TIMUR	0410z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA S	0420z	05 Sep 2018	3.2m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0427z	05 Sep 2018	2.5m
BENGKULU SELUMA	0436z	05 Sep 2018	1.8m
BENGKULU BENGKULU-UTARA P.ENGANO	0445z	05 Sep 2018	1.4m
BENGKULU BENGKULU-SELATAN	0446z	05 Sep 2018	1.4m
BENGKULU KAUR	0451z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0507z	05 Sep 2018	1.2m
NAD KOTA-LANGSA	0512z	05 Sep 2018	1.7m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0514z	05 Sep 2018	1.0m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0516z	05 Sep 2018	1.3m
JATENG KEBUMEN	0517z	05 Sep 2018	1.4m
LAMPUNG TANGGAMUS B	0522z	05 Sep 2018	2.3m
BANTEN PANDEGLANG P.PANAITAN	0530z	05 Sep 2018	1.9m
NAD ACEH-TAMIAANG	0533z	05 Sep 2018	2.7m
LAMPUNG TANGGAMUS T	0542z	05 Sep 2018	2.4m
LAMPUNG TANGGAMUS P.TABUAN	0545z	05 Sep 2018	1.3m
BANTEN PANDEGLANG U	0548z	05 Sep 2018	2.1m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0550z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0555z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0556z	05 Sep 2018	2.3m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0601z	05 Sep 2018	1.4m
BANTEN KOTA-CILEGON P.SANGIANG	0610z	05 Sep 2018	1.5m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0613z	05 Sep 2018	1.9m
BANTEN SERANG B	0613z	05 Sep 2018	1.6m
SUMUT LANGKAT	0616z	05 Sep 2018	1.8m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0620z	05 Sep 2018	3.0m
BANTEN KOTA-CILEGON	0627z	05 Sep 2018	2.2m
BELAWAN	0641z	05 Sep 2018	1.2m
SUMUT DELISERDANG	0649z	05 Sep 2018	1.5m
JATENG PURWOREJO	0650z	05 Sep 2018	0.9m
DIY KULON-PROGO	0654z	05 Sep 2018	1.1m
SUMUT SERDANG-BEDAGAI	0654z	05 Sep 2018	1.6m
DIY GUNUNG-KIDUL	0702z	05 Sep 2018	1.2m
SUMUT ASAHAN	0711z	05 Sep 2018	1.6m
LABUHAN BATU	0908z	05 Sep 2018	1.7m
BALI DENPASAR PANTAI-SANUR	0918z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-SELATAN B	0936z	05 Sep 2018	0.9m
BALI TABANAN	0938z	05 Sep 2018	0.8m
JABAR SUKABUMI PELABUHAN-RATU	0940z	05 Sep 2018	1.0m
JABAR SUKABUMI UJUNG-GENTENG	0947z	05 Sep 2018	1.0m
NTB SUMBAWA S	0959z	05 Sep 2018	0.9m
ROKAN HILIR	1106z	05 Sep 2018	0.9m
NTT SUMBA B	1207z	05 Sep 2018	0.8m

NTT MANGGARAI-BARAT P.	1208z	05 Sep 2018	0.9m
DUMAI	1213z	05 Sep 2018	1.0m
NTT MANGGARAI-BARAT S	1216z	05 Sep 2018	0.8m
NTT MANGGARAI S	1217z	05 Sep 2018	0.9m
JATIM JEMBER	1240z	05 Sep 2018	1.4m
JABAR GARUT	1259z	05 Sep 2018	0.9m
JABAR CIANJUR SINDANGBARANG	1303z	05 Sep 2018	0.9m
BANTEN LEBAK	1329z	05 Sep 2018	1.0m
DIY BANTUL	1331z	05 Sep 2018	0.9m
JATIM LUMAJANG	1334z	05 Sep 2018	0.9m
JATENG WONOGIRI	1340z	05 Sep 2018	0.9m
NTB LOMBOK-TENGAH	1341z	05 Sep 2018	0.8m
JATIM TRENGGALEK	1357z	05 Sep 2018	0.8m
JATIM BLITAR	1401z	05 Sep 2018	0.9m
BALI KLUNGKUNG P.NUSAPENIDA	1405z	05 Sep 2018	0.8m
NTB KOTA-BIMA S	1411z	05 Sep 2018	0.9m
NTB SUMBAWA B	1415z	05 Sep 2018	0.8m
BENGKALIS	1418z	05 Sep 2018	0.6m
NTB LOMBOK-TIMUR S	1426z	05 Sep 2018	0.9m
JATIM PACITAN	1513z	05 Sep 2018	1.0m
BANTEN PANDEGLANG S	1557z	05 Sep 2018	1.0m
JATIM MALANG	1642z	05 Sep 2018	0.8m
JATIM JEMBER P.NUSABARUNG	1649z	05 Sep 2018	1.0m
JATIM TULUNGAGUNG	2016z	05 Sep 2018	0.9m
JATIM BANYUWANGI S	2031z	05 Sep 2018	0.6m
NTT SUMBA T	2047z	05 Sep 2018	0.6m
NTB LOMBOK-BARAT S	2113z	05 Sep 2018	0.6m
NTT KUPANG	2140z	05 Sep 2018	0.8m
NTT KOTA-KUPANG	2158z	05 Sep 2018	1.0m
NTT ROTENDAO	2202z	05 Sep 2018	0.8m
NTT NGADA S	2217z	05 Sep 2018	0.8m
NTT FLORES-TIMUR S	2219z	05 Sep 2018	0.7m
NTT LEMBATA S	2221z	05 Sep 2018	0.7m
NTT ENDE S	2221z	05 Sep 2018	0.6m
NTT SIKKA S	2223z	05 Sep 2018	0.6m
NTT FLORES-TIMUR P.SOLOR	2230z	05 Sep 2018	0.7m
PANTE MACASSAR	2230z	05 Sep 2018	0.7m
BALI BADUNG PANTAI-KUTA	2318z	05 Sep 2018	0.8m
NTT ALOR S	0205z	06 Sep 2018	0.6m
NTT BELU U	0223z	06 Sep 2018	0.5m
SIKAK	0253z	06 Sep 2018	0.5m

IRAN

BIR	1139z	05 Sep 2018	0.8m
MISKI	1240z	05 Sep 2018	1.7m
PUSHT	1517z	05 Sep 2018	0.8m

KENYA

KIWAYU	1139z	05 Sep 2018	1.6m
KIPINI	1146z	05 Sep 2018	1.6m
MALINDI	1152z	05 Sep 2018	1.5m
KISIMACHANDE	1212z	05 Sep 2018	2.0m
MVULENI	1233z	05 Sep 2018	1.1m
TAKAUNGU	1308z	05 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1050z	05 Sep 2018	1.5m
ANOROTSANGANA	1058z	05 Sep 2018	0.9m

TOAMASINA AIRPORT	1106z	05 Sep 2018	1.5m
TAMPOLO	1122z	05 Sep 2018	1.9m
AMBAHY	1123z	05 Sep 2018	1.6m
FARAFAGANA	1127z	05 Sep 2018	1.2m
GLORIOSO ISLANDS	1130z	05 Sep 2018	1.4m
MANANTENINA	1141z	05 Sep 2018	1.9m
SAMPONA	1223z	05 Sep 2018	1.3m
ANDROKA	1537z	05 Sep 2018	0.9m
BALY	1732z	05 Sep 2018	1.5m
TAMOTAMO	1952z	05 Sep 2018	0.8m
AMBANJA	2202z	05 Sep 2018	0.9m
MANJA	0331z	06 Sep 2018	0.7m

MALAYSIA

SATUN	0556z	05 Sep 2018	1.7m
YAN	0603z	05 Sep 2018	1.7m
WEST OF ALOR SETAR	0616z	05 Sep 2018	1.8m
SEBERANG PERAI UTARA & BARAT DAYA	0632z	05 Sep 2018	2.7m
SEBERANG PERAI SELATAN	0634z	05 Sep 2018	1.9m
KUALA MUDA	0639z	05 Sep 2018	2.7m
KERIAN	0654z	05 Sep 2018	1.8m
LARUT AND MATANG	0703z	05 Sep 2018	1.5m
MANJUNG	0717z	05 Sep 2018	2.1m
HILIR PERAK	0819z	05 Sep 2018	1.9m
SABAK BERNAM	0858z	05 Sep 2018	1.4m
KUALA SELANGOR	1029z	05 Sep 2018	1.8m
KUALA LANGAT	1101z	05 Sep 2018	1.2m
SEPANG	1218z	05 Sep 2018	1.0m
PORT DICKSON	1221z	05 Sep 2018	1.0m
MELAKA TENGAH & JASIN	1404z	05 Sep 2018	0.6m
JASIN	1427z	05 Sep 2018	0.6m
PONTIAN	1652z	05 Sep 2018	0.6m

MALDIVES

MALE	0612z	05 Sep 2018	4.2m
KOLHUFUSHI	0614z	05 Sep 2018	3.1m
DHIYAMIGILI	0616z	05 Sep 2018	4.1m
HITHADHOO	0620z	05 Sep 2018	2.0m
THINADHOO	0620z	05 Sep 2018	2.8m
KULHUDUFFUSHI	0621z	05 Sep 2018	3.4m
GOIDHOO	0629z	05 Sep 2018	2.2m
NILANDHOO	0636z	05 Sep 2018	2.4m
FERIDHOO	0637z	05 Sep 2018	2.5m

MAURITIUS

LA FERME	0852z	05 Sep 2018	2.1m
GRANDE REVIERE SUD EST-EAST	0942z	05 Sep 2018	1.5m
AGALEGA ISLAND	0953z	05 Sep 2018	0.6m
CARGADOS CARAJOS	1000z	05 Sep 2018	1.9m
GRANDE REVIERE SUD EST-WEST	1005z	05 Sep 2018	0.6m

MOZAMBIQUE

MAGANJA	1202z	05 Sep 2018	1.2m
QUITERAJA	1225z	05 Sep 2018	0.9m
MERONVI	1227z	05 Sep 2018	1.1m
NANGATA	1229z	05 Sep 2018	1.0m
PEMBA	1230z	05 Sep 2018	1.3m

LUMBO	1237z	05 Sep 2018	1.0m
TAVARI	1301z	05 Sep 2018	0.8m
MAGUEMBA	1428z	05 Sep 2018	1.3m
ZAVALA	1447z	05 Sep 2018	1.1m
XAI-XAI	1453z	05 Sep 2018	0.8m
INHARRIME	1502z	05 Sep 2018	0.9m
VILA DO CHINDE	1508z	05 Sep 2018	1.0m
MALUANA	1528z	05 Sep 2018	1.2m
MAIONGUE	1532z	05 Sep 2018	0.7m
AMADE	1807z	05 Sep 2018	0.6m
MINHAUINE	1852z	05 Sep 2018	0.6m
MOGINCUAL	1947z	05 Sep 2018	0.8m
MAPUTO	1959z	05 Sep 2018	0.8m
OCONE	2118z	05 Sep 2018	1.1m
MOEBASE	2213z	05 Sep 2018	0.8m
NOVA LUSITANIA	2217z	05 Sep 2018	0.8m
NHANGAU	2239z	05 Sep 2018	1.0m
INHASSORO	2250z	05 Sep 2018	0.6m
LURIO	0210z	06 Sep 2018	0.6m

MYANMAR

THAN KYUN	0434z	05 Sep 2018	2.6m
LORD LOUGHBOROUGH ISLAND	0435z	05 Sep 2018	3.0m
GREAT WESTERN TORRES ISLAND	0441z	05 Sep 2018	3.1m
LITTLE COCO ISLAND	0450z	05 Sep 2018	1.6m
PREPARIS ISLAND	0502z	05 Sep 2018	1.3m
KYWEGYAUNG	0553z	05 Sep 2018	2.5m
MALI KYUN	0558z	05 Sep 2018	1.9m
PHARPON	0604z	05 Sep 2018	2.4m
CHEDUBA ISLAND	0605z	05 Sep 2018	2.3m
MAGYIGYAING	0606z	05 Sep 2018	2.6m
MAWYEN	0609z	05 Sep 2018	2.4m
YANGON-S	0628z	05 Sep 2018	2.0m
SITTWE	0630z	05 Sep 2018	1.7m
YE	0633z	05 Sep 2018	1.5m
KYAUKPYU	0634z	05 Sep 2018	2.1m
THAWINCHAUNG	0636z	05 Sep 2018	1.6m

OMAN

SALALAH	1035z	05 Sep 2018	1.6m
HASIK	1038z	05 Sep 2018	1.4m
AD DUQM	1057z	05 Sep 2018	1.1m
MIRBAT	1141z	05 Sep 2018	0.7m
SOHAR	1157z	05 Sep 2018	0.6m
AL ASHKHARAH	1204z	05 Sep 2018	0.7m
TAQAH	1207z	05 Sep 2018	0.7m
EAST MUSANDAM	1218z	05 Sep 2018	1.2m
AL JAZER	1500z	05 Sep 2018	0.9m
SUR	1538z	05 Sep 2018	0.7m
RAS AR RUWAYS	1545z	05 Sep 2018	1.0m
MASIRAH	1623z	05 Sep 2018	0.8m
QURAYYAT	1851z	05 Sep 2018	0.8m
BARKA	1856z	05 Sep 2018	0.5m
MUSCAT	1923z	05 Sep 2018	0.6m

PAKISTAN

ORMARA	1427z	05 Sep 2018	0.9m
WINDER	1448z	05 Sep 2018	1.4m

KARACHI	1511z	05 Sep 2018	1.0m
SINDH	1726z	05 Sep 2018	0.9m
SEYCHELLES			

FREGATE ISLAND	0924z	05 Sep 2018	1.9m
COETIVY ISLAND	0941z	05 Sep 2018	0.6m
TAKAMAKA	1034z	05 Sep 2018	2.1m
ILE DESROCHES	1652z	05 Sep 2018	0.5m
FARQUHAR GROUP	1745z	05 Sep 2018	0.5m
SOMALIA			

BANDER-BEYLA	1013z	05 Sep 2018	2.8m
TOOXIN	1021z	05 Sep 2018	4.1m
EYL	1021z	05 Sep 2018	2.0m
GALDOGOB	1023z	05 Sep 2018	2.2m
JARIIBAN	1024z	05 Sep 2018	1.4m
CEEL DHEER	1032z	05 Sep 2018	2.0m
MAREEG	1032z	05 Sep 2018	1.8m
ITALA	1032z	05 Sep 2018	1.2m
XARARDHEERE	1034z	05 Sep 2018	2.0m
UARSCIECH	1035z	05 Sep 2018	1.1m
MUQDISHO	1041z	05 Sep 2018	1.5m
ABO	1055z	05 Sep 2018	2.5m
BARAAWE	1056z	05 Sep 2018	1.4m
JILIB	1100z	05 Sep 2018	1.1m
NE BEERNAASI	1108z	05 Sep 2018	1.6m
KAAMBOONI	1115z	05 Sep 2018	1.2m
BEYNAX BARRE	1129z	05 Sep 2018	0.7m
TURDHO	1154z	05 Sep 2018	0.6m
SAYLAC	1302z	05 Sep 2018	0.6m
BAKI	1303z	05 Sep 2018	0.6m
LOYADO	1303z	05 Sep 2018	0.8m
QANDALA	1941z	05 Sep 2018	0.7m
SOUTH AFRICA			

LAKE SIBAYI	1422z	05 Sep 2018	1.1m
KOSIMEER	1426z	05 Sep 2018	0.9m
MANDI	1439z	05 Sep 2018	1.2m
FUNK SEAMOUNT	1453z	05 Sep 2018	1.3m
ABORETUM	1459z	05 Sep 2018	0.8m
BIZANA	1506z	05 Sep 2018	0.9m
LUSIKISIKI	1507z	05 Sep 2018	0.7m
KENTANI	1510z	05 Sep 2018	0.8m
WILLOWVALE	1512z	05 Sep 2018	0.8m
KAYSERS BEACH	1516z	05 Sep 2018	1.0m
MARSHSTRAND	1518z	05 Sep 2018	1.0m
GWABALANDA HITAWI	1520z	05 Sep 2018	0.6m
ZIKHOVA	1522z	05 Sep 2018	0.7m
PEDDIE	1530z	05 Sep 2018	0.8m
ALEXANDRIA	1624z	05 Sep 2018	0.8m
PORT DURNFORD	1717z	05 Sep 2018	0.9m
MOSSEL	1724z	05 Sep 2018	1.5m
MARGATE	1737z	05 Sep 2018	0.9m
PORT ELIZABETH	1824z	05 Sep 2018	1.1m
PORT ST JOHNS	1840z	05 Sep 2018	1.1m
BATHURST	1931z	05 Sep 2018	0.8m
GEORGE	2016z	05 Sep 2018	0.8m
HUMANSDORP	2032z	05 Sep 2018	0.9m

HEIDELBERG	2111z	05 Sep 2018	0.8m
WITAAND	2119z	05 Sep 2018	0.8m
BREDASDORP	2138z	05 Sep 2018	1.0m
ELLIOTDALE	2151z	05 Sep 2018	0.6m
GAMTOOS	2154z	05 Sep 2018	0.7m
HANKEY	0318z	06 Sep 2018	0.7m

SRI LANKA

OKANDA	0453z	05 Sep 2018	2.4m
AKKARAIPATTU	0453z	05 Sep 2018	2.7m
KIRINDA	0456z	05 Sep 2018	3.2m
BATTICALOA	0456z	05 Sep 2018	3.0m
POTTUVIL	0458z	05 Sep 2018	2.0m
ANAITIVU	0502z	05 Sep 2018	2.4m
KATTANKUDI	0505z	05 Sep 2018	2.9m
MATARA	0506z	05 Sep 2018	2.4m
PANKULAM	0506z	05 Sep 2018	2.4m
TANGALLE	0508z	05 Sep 2018	2.3m
HAMBANTOTA	0512z	05 Sep 2018	3.5m
MULLAITTIVU	0515z	05 Sep 2018	2.1m
GALLE	0517z	05 Sep 2018	2.4m
AMBALANGODA	0521z	05 Sep 2018	2.3m
CHUNDIKKULAM	0532z	05 Sep 2018	4.7m
BERUWALA	0539z	05 Sep 2018	1.8m
CHAVAKACHCHERI	0544z	05 Sep 2018	2.8m
COLOMBO	0544z	05 Sep 2018	2.2m
MORATUWA	0547z	05 Sep 2018	1.7m
POINT PEDRO	0549z	05 Sep 2018	2.5m
MUNDAL LAKE	0604z	05 Sep 2018	1.6m
NEGOMBO	0605z	05 Sep 2018	1.3m
MANNAR ISLAND	0609z	05 Sep 2018	1.8m
MUSALI	0621z	05 Sep 2018	1.4m

TANZANIA

JIMBO	1158z	05 Sep 2018	1.7m
VUMBI	1159z	05 Sep 2018	1.3m
KUTANI	1203z	05 Sep 2018	1.0m
SONGO SONGO ISLAND	1203z	05 Sep 2018	1.3m
ZANZIBAR	1203z	05 Sep 2018	1.2m
VUMBA	1203z	05 Sep 2018	1.3m
RUUU	1203z	05 Sep 2018	1.6m
MSASANI	1214z	05 Sep 2018	1.4m
BAGAMOYO	1223z	05 Sep 2018	1.7m
WEST TO KONDE	1223z	05 Sep 2018	1.7m
MADANGWA	1225z	05 Sep 2018	0.9m
BOMALANDNI	1230z	05 Sep 2018	1.3m
GAZIJA	1231z	05 Sep 2018	0.8m

THAILAND

THAI MUEANG	0410z	05 Sep 2018	3.2m
KO RACHA NOI	0413z	05 Sep 2018	3.7m
KOH SURIN TAI	0431z	05 Sep 2018	3.5m
KOH LANTA YAI	0450z	05 Sep 2018	2.4m
THAI MUEANG_TAKUA PA	0450z	05 Sep 2018	3.5m
KOH ROK	0454z	05 Sep 2018	1.9m
MUEANG SATUN	0459z	05 Sep 2018	2.2m
KOH TARUTAO	0548z	05 Sep 2018	3.2m

TIMOR-LESTE

PANTE MACASSAR 2225z 05 Sep 2018 0.7m

UNITED ARAB EMIRATES

KALBA 1159z 05 Sep 2018 1.3m

UNITED KINGDOM

MORESBY ISLAND 0636z 05 Sep 2018 4.8m
DIEGO GARCIA 0641z 05 Sep 2018 2.0m
NW EGMONT ISLAND 0703z 05 Sep 2018 1.1m

YEMEN

SOCOTRA ISLAND SOUTH 1009z 05 Sep 2018 1.9m
SOCOTRA ISLAND WEST 1032z 05 Sep 2018 0.9m
SOCOTRA ISLAND NORTH 1037z 05 Sep 2018 1.3m
DAMQAWT 1040z 05 Sep 2018 1.2m
AL GHAYDAH AIRPORT 1044z 05 Sep 2018 1.6m
HUSWAYN 1103z 05 Sep 2018 1.5m
ALQUMRAH 1116z 05 Sep 2018 1.2m
HARRAH 1118z 05 Sep 2018 1.2m
EAST TO HAMI 1121z 05 Sep 2018 0.9m
HAMI 1130z 05 Sep 2018 0.9m
AL MUKALLA 1142z 05 Sep 2018 1.5m
KHANFAR 1229z 05 Sep 2018 0.9m
ADEN 1235z 05 Sep 2018 0.8m
MASILAH WADI 1240z 05 Sep 2018 0.9m
MAALLAH 1248z 05 Sep 2018 1.3m
QAWAH 1300z 05 Sep 2018 0.8m
AL MUALLA 1329z 05 Sep 2018 0.8m
RUDUM 1514z 05 Sep 2018 0.7m
BROM MAYFA 1911z 05 Sep 2018 0.6m
AHWAR 0226z 06 Sep 2018 0.5m

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.

[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 0800 UTC Wednesday 05 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: 9.3 M
Depth: 10 km
Date: 05 SEP 2018
Origin Time: 0300UTC
Latitude: 3.3 N
Longitude: 96 E
Location: NORTHERN SUMATRA, INDONESIA

2. EVALUATION

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

Sabang (INDONESIA)	5.83 N	95.33 E	0325z	05 Sep 2018	8.0m
Meulaboh (INDONESIA)	4.13 N	96.13 E	0340z	05 Sep 2018	8.0m
Telukdalam (INDONESIA)	0.55 N	97.82 E	0345z	05 Sep 2018	6.00m
23227 (INDIA)	6.25 N	88.79 E	0419z	05 Sep 2018	0.46m
23219 (INDIA)	10.5 N	89.28 E	0424z	05 Sep 2018	0.33m
Sibolga (INDONESIA)	1.73 N	98.80 E	0440z	05 Sep 2018	4.00m
Christmas Island (AUSTRALIA)	10.4 S	105.67 E	0500z	05 Sep 2018	0.75m
Nancowry (INDIA)	8.05 N	93.55 E	0515z	05 Sep 2018	5.39m
Trincommalee (SRILANKA)	8.56 N	81.20 E	0536z	05 Sep 2018	1.38m
Langkawi (MALAYSIA)	6.87 N	99.77 E	0606z	05 Sep 2018	2.61m
Cilicap (INDONESIA)	7.75 S	109.01 E	0638z	05 Sep 2018	0.5m
Diego Garcia (UK)	7.29 S	72.39 E	0655z	05 Sep 2018	1.57m
56003 (AUSTRALIA)	15.0 S	117.99 E	0700z	05 Sep 2018	0.09m
Hanimaadhoo (MALDIVE ISLANDS)	6.77 N	73.17 E	0710z	05 Sep 2018	4.13m
Minicoy (INDIA)	8.28 N	73.05 E	0710z	05 Sep 2018	0.34m

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

COCOS ISLAND	0519z	05 Sep 2018	0.9m
NINGALOO COAST	0815z	05 Sep 2018	1.1m
PILBARA COAST WEST	0850z	05 Sep 2018	2.2m
GASCOYNE COAST	0852z	05 Sep 2018	1.9m
PILBARA COAST EAST	0922z	05 Sep 2018	1.9m
GERALDTON COAST	0945z	05 Sep 2018	2.3m
PERTH COAST	0957z	05 Sep 2018	1.1m
LEEUEWIN COAST	1012z	05 Sep 2018	1.3m
BUNBURY GEOGRAPHE COAST	1016z	05 Sep 2018	2.2m
WEST KIMBERLY COAST	1033z	05 Sep 2018	1.5m
LANCELIN COAST	1256z	05 Sep 2018	1.3m
HEARD ISLAND AND MCDONALD ISLANDS	1312z	05 Sep 2018	1.9m
AURORA BANK	1417z	05 Sep 2018	0.8m
NORTH KIMBERLY COAST	1740z	05 Sep 2018	0.8m
ALBANY COAST	1806z	05 Sep 2018	0.7m
EUCLA COAST	0116z	06 Sep 2018	0.7m
UPPER WEST COAST SA	0254z	06 Sep 2018	0.7m
ESPERANCE COAST	0258z	06 Sep 2018	0.6m
UPPER SOUTH EAST COAST SA	0331z	06 Sep 2018	0.6m

BANGLADESH

CHALNA	0657z	05 Sep 2018	1.4m
COXS BAZAR	0702z	05 Sep 2018	2.1m
KUTUBDIA ISLAND	0722z	05 Sep 2018	1.8m
BARGUNA	0731z	05 Sep 2018	1.8m

COMOROS

CHEZANI	1148z	05 Sep 2018	1.2m
DZAOUDZI	1403z	05 Sep 2018	0.7m

DJIBOUTI

NW ARTA	1305z	05 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1308z	05 Sep 2018	0.9m

FRANCE

ILE SAINT-PAUL-NORTH	0949z	05 Sep 2018	0.7m
ILE SAINT-PAUL-SOUTH	1005z	05 Sep 2018	1.0m
SAINT-JOSEPH	1009z	05 Sep 2018	0.6m
SAINT-DENIS	1021z	05 Sep 2018	0.6m
ILE KERGUELEN	1230z	05 Sep 2018	4.7m
NES CROZET	1246z	05 Sep 2018	0.7m
ILE DE LA POSSESSION	1248z	05 Sep 2018	1.5m
CROZET PLATEAU	1308z	05 Sep 2018	1.2m

INDIA

INDIRA POINT	0302z	05 Sep 2018	8.0m
KOMATRA & KATCHAL ISLAND	0325z	05 Sep 2018	6.7m
CAR NICOBAR	0344z	05 Sep 2018	3.8m
LITTLE ANDAMAN	0402z	05 Sep 2018	8.2m
PORT BLAIR	0407z	05 Sep 2018	4.2m
BARREN ISLAND	0411z	05 Sep 2018	1.1m
HAVELOCK	0416z	05 Sep 2018	3.5m
NORTH SENTINEL ISLAND	0422z	05 Sep 2018	3.2m
RANGATH BAY	0425z	05 Sep 2018	3.5m
NARCONDAM ISLAND	0428z	05 Sep 2018	1.1m
DIGLIPUR	0431z	05 Sep 2018	1.8m
WEST & LANDFALL ISLAND	0455z	05 Sep 2018	2.2m
FLAT ISLAND	0458z	05 Sep 2018	3.0m
MARAKKANAM	0533z	05 Sep 2018	2.5m
PUDUCHERRY	0534z	05 Sep 2018	2.8m
CUDDALORE	0535z	05 Sep 2018	2.5m
POOMBUHAR	0536z	05 Sep 2018	3.2m
ENNORE	0540z	05 Sep 2018	3.9m
MAHABALIPURAM	0541z	05 Sep 2018	5.8m
NAGAPATTINAM	0544z	05 Sep 2018	4.8m
MACHILIPATNAM	0545z	05 Sep 2018	3.5m
SRIHARIKOTA	0546z	05 Sep 2018	3.4m
CHENNAI	0546z	05 Sep 2018	4.7m
KARAIKAL	0547z	05 Sep 2018	4.8m
PERUPALEM	0549z	05 Sep 2018	2.9m
KAKINADA	0551z	05 Sep 2018	4.5m
MALLIPATTINAM	0552z	05 Sep 2018	3.1m
MUTHUPET	0552z	05 Sep 2018	3.2m
NIJAMPATTANAM	0553z	05 Sep 2018	4.8m
KOTTAPATNAM	0600z	05 Sep 2018	5.2m
VISAKHAPATNAM	0603z	05 Sep 2018	3.7m
KALINGAPATNAM	0604z	05 Sep 2018	4.5m
KONADA	0609z	05 Sep 2018	4.1m
RAMESWARAM	0612z	05 Sep 2018	1.8m
PURI	0612z	05 Sep 2018	2.3m
GOPALPUR	0613z	05 Sep 2018	4.0m
PARADIP	0615z	05 Sep 2018	2.0m
KOTTTAIPPATTANAM	0615z	05 Sep 2018	2.2m
TUTICORIN	0619z	05 Sep 2018	3.4m
KOODANKULAM	0625z	05 Sep 2018	2.8m
KANYAKUMARI	0632z	05 Sep 2018	3.8m
JAMBOO	0632z	05 Sep 2018	2.1m
TRIVANDRUM	0655z	05 Sep 2018	2.0m
QUILON	0702z	05 Sep 2018	1.4m
DHAMRA	0702z	05 Sep 2018	2.6m
ALLEPPEY ALAPPUZHA	0707z	05 Sep 2018	1.4m
HEMNAGAR	0708z	05 Sep 2018	1.9m
NAMKHANA	0711z	05 Sep 2018	2.1m
CHANDIPUR	0717z	05 Sep 2018	2.2m
DIGHA	0718z	05 Sep 2018	2.3m
KAVARATTI	0737z	05 Sep 2018	0.9m
VADANAPPALLY	0741z	05 Sep 2018	1.3m
VAKKAD	0758z	05 Sep 2018	1.5m
BEYPORE	0801z	05 Sep 2018	1.8m
AGATTI	0804z	05 Sep 2018	1.0m
KANNUR	0809z	05 Sep 2018	1.7m
MAHE	0810z	05 Sep 2018	1.3m
KASARAGOD	0820z	05 Sep 2018	2.0m
KARWAR	1016z	05 Sep 2018	1.4m
UDUPI	1019z	05 Sep 2018	1.6m
JAIGARH	1023z	05 Sep 2018	1.1m

COCHIN	1032z	05 Sep 2018	1.4m
VASCO	1304z	05 Sep 2018	1.2m
PANAJI	1317z	05 Sep 2018	1.0m
MALVAN BAY	1322z	05 Sep 2018	0.8m
MANGROL	1434z	05 Sep 2018	0.8m
PORBANDAR	1444z	05 Sep 2018	0.8m
ALIBAG PORT	1445z	05 Sep 2018	1.0m
DWARKA	1447z	05 Sep 2018	1.0m
HAZIRA, DIU	1454z	05 Sep 2018	0.9m
JAMNAGAR	1455z	05 Sep 2018	1.0m
MANGALORE	1508z	05 Sep 2018	1.7m
MUMBAI	1522z	05 Sep 2018	0.6m
AMINI	1524z	05 Sep 2018	0.6m
PIPAVAV	1645z	05 Sep 2018	0.7m
TARAPUR	1647z	05 Sep 2018	1.0m
MANDVI	1726z	05 Sep 2018	0.7m
MAHUVA	1826z	05 Sep 2018	0.9m
KHAMBAT	1837z	05 Sep 2018	0.7m
DAMAN	2123z	05 Sep 2018	1.0m
BORSI	2126z	05 Sep 2018	1.0m
HAZIRA	2128z	05 Sep 2018	0.9m
BHARUCH	2141z	05 Sep 2018	0.8m

INDONESIA

SUMUT MANDAILING-NATAL U	0302z	05 Sep 2018	5.7m
SUMUT NIAS-SELATAN P.TANABALA	0302z	05 Sep 2018	5.9m
NAD SIMEULUE P.SIMEULUE	0302z	05 Sep 2018	10.1m
NAD ACEH-SINGKIL KEP.BANYAK	0302z	05 Sep 2018	6.2m
SUMUT NIAS-SELATAN P.NIAS	0302z	05 Sep 2018	5.9m
GUNUNGSITOLI	0302z	05 Sep 2018	4.4m
MUARASIBERUT	0302z	05 Sep 2018	5.8m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0302z	05 Sep 2018	11.6m
SUMUT MANDAILING-NATAL S	0302z	05 Sep 2018	6.0m
SAKUBO	0302z	05 Sep 2018	5.6m
NIAS	0302z	05 Sep 2018	5.3m
NAD KOTA-SABANG P.WEH	0303z	05 Sep 2018	7.3m
NAD ACEH-SELATAN U	0303z	05 Sep 2018	9.4m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0303z	05 Sep 2018	6.5m
NIAS-EAST	0304z	05 Sep 2018	7.1m
JABAR CIAMIS	0304z	05 Sep 2018	2.7m
NAD ACEH-SELATAN S	0304z	05 Sep 2018	10.8m
NAD KOTA-BANDA-ACEH	0304z	05 Sep 2018	11.4m
SUMUT NIAS-SELATAN P.TANAHMASA	0304z	05 Sep 2018	4.5m
SUMUT NIAS B	0305z	05 Sep 2018	6.7m
NAD ACEH-BARAT-DAYA	0305z	05 Sep 2018	9.5m
SUMBAR PADANG-PARIAMAN U	0305z	05 Sep 2018	5.7m
MURASAIBI	0305z	05 Sep 2018	8.3m
MUARASIGEP	0306z	05 Sep 2018	5.7m
SUMUT TAPANULI-TENGAH S	0306z	05 Sep 2018	8.1m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	7.5m
SUMBAR AGAM	0307z	05 Sep 2018	5.6m
SUMBAR KOTA-PADANG S	0307z	05 Sep 2018	4.4m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	5.6m
NAD ACEH-BESAR P.BREUEH	0307z	05 Sep 2018	12.9m
NAD ACEH-JAYA	0307z	05 Sep 2018	13.5m
NAD ACEH-BARAT	0307z	05 Sep 2018	13.3m
SUMUT TAPANULI-SELATAN	0308z	05 Sep 2018	8.2m
SUMBAR PADANG-PARIAMAN S	0308z	05 Sep 2018	4.8m
JABAR TASIKMALAYA	0309z	05 Sep 2018	1.0m
NAD ACEH-BESAR P.PENASI	0309z	05 Sep 2018	12.2m

NAD NAGAN-RAYA	0310z	05 Sep 2018	17.9m
NAD ACEH-BESAR U	0311z	05 Sep 2018	5.5m
NAD ACEH-BESAR B	0311z	05 Sep 2018	14.8m
NIAS-NORTH	0312z	05 Sep 2018	4.9m
SUMBAR PESISIR-SELATAN U	0313z	05 Sep 2018	4.6m
SUMUT TAPANULI-TENGAH U	0314z	05 Sep 2018	9.6m
SOUTH OF BODAHAYIONE	0315z	05 Sep 2018	5.9m
NAD PIDIE	0316z	05 Sep 2018	2.5m
NAD ACEH-SINGKIL	0316z	05 Sep 2018	5.2m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0316z	05 Sep 2018	4.2m
JATENG CILACAP	0320z	05 Sep 2018	1.9m
SUMBAR PESISIR-SELATAN S	0324z	05 Sep 2018	4.7m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0327z	05 Sep 2018	3.3m
NAD BIREUEN	0329z	05 Sep 2018	2.2m
SUMBAR KOTA-PARIAMAN	0336z	05 Sep 2018	5.3m
BENGKULU MUKOMUKO	0336z	05 Sep 2018	2.9m
NAD ACEH-UTARA B	0339z	05 Sep 2018	1.9m
NAD KOTA-LHOKSEUMAWA	0340z	05 Sep 2018	2.3m
NAD ACEH-UTARA T	0351z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA U	0403z	05 Sep 2018	1.8m
NAD ACEH-TIMUR	0410z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA S	0420z	05 Sep 2018	3.2m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0427z	05 Sep 2018	2.5m
BENGKULU SELUMA	0436z	05 Sep 2018	1.8m
BENGKULU BENGKULU-UTARA P.ENGGANO	0445z	05 Sep 2018	1.4m
BENGKULU BENGKULU-SELATAN	0446z	05 Sep 2018	1.4m
BENGKULU KAUR	0451z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0507z	05 Sep 2018	1.2m
NAD KOTA-LANGSA	0512z	05 Sep 2018	1.7m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0514z	05 Sep 2018	1.0m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0516z	05 Sep 2018	1.3m
JATENG KEBUMEN	0517z	05 Sep 2018	1.4m
LAMPUNG TANGGAMUS B	0522z	05 Sep 2018	2.3m
BANTEN PANDEGLANG P.PANAITAN	0530z	05 Sep 2018	1.9m
NAD ACEH-TAMIAANG	0533z	05 Sep 2018	2.7m
LAMPUNG TANGGAMUS T	0542z	05 Sep 2018	2.4m
LAMPUNG TANGGAMUS P.TABUAN	0545z	05 Sep 2018	1.3m
BANTEN PANDEGLANG U	0548z	05 Sep 2018	2.1m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0550z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0555z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0556z	05 Sep 2018	2.3m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0601z	05 Sep 2018	1.4m
BANTEN KOTA-CILEGON P.SANGIANG	0610z	05 Sep 2018	1.5m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0613z	05 Sep 2018	1.9m
BANTEN SERANG B	0613z	05 Sep 2018	1.6m
SUMUT LANGKAT	0616z	05 Sep 2018	1.8m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0620z	05 Sep 2018	3.0m
BANTEN KOTA-CILEGON	0627z	05 Sep 2018	2.2m
BELAWAN	0641z	05 Sep 2018	1.2m
SUMUT DELISERDANG	0649z	05 Sep 2018	1.5m
JATENG PURWOREJO	0650z	05 Sep 2018	0.9m
DIY KULON-PROGO	0654z	05 Sep 2018	1.1m
SUMUT SERDANG-BEDAGAI	0654z	05 Sep 2018	1.6m
DIY GUNUNG-KIDUL	0702z	05 Sep 2018	1.2m
SUMUT ASAHAN	0711z	05 Sep 2018	1.6m
LABUHAN BATU	0908z	05 Sep 2018	1.7m
BALI DENPASAR PANTAI-SANUR	0918z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-SELATAN B	0936z	05 Sep 2018	0.9m
BALI TABANAN	0938z	05 Sep 2018	0.8m
JABAR SUKABUMI PELABUHAN-RATU	0940z	05 Sep 2018	1.0m
JABAR SUKABUMI UJUNG-GENTENG	0947z	05 Sep 2018	1.0m

NTB SUMBAWA S	0959z	05 Sep 2018	0.9m
ROKAN HILIR	1106z	05 Sep 2018	0.9m
NTT SUMBA B	1207z	05 Sep 2018	0.8m
NTT MANGGARAI-BARAT P.	1208z	05 Sep 2018	0.9m
DUMAI	1213z	05 Sep 2018	1.0m
NTT MANGGARAI-BARAT S	1216z	05 Sep 2018	0.8m
NTT MANGGARAI S	1217z	05 Sep 2018	0.9m
JATIM JEMBER	1240z	05 Sep 2018	1.4m
JABAR GARUT	1259z	05 Sep 2018	0.9m
JABAR CIANJUR SINDANGBARANG	1303z	05 Sep 2018	0.9m
BANTEN LEBAK	1329z	05 Sep 2018	1.0m
DIY BANTUL	1331z	05 Sep 2018	0.9m
JATIM LUMAJANG	1334z	05 Sep 2018	0.9m
JATENG WONOGIRI	1340z	05 Sep 2018	0.9m
NTB LOMBOK-TENGAH	1341z	05 Sep 2018	0.8m
JATIM TRENGGALEK	1357z	05 Sep 2018	0.8m
JATIM BLITAR	1401z	05 Sep 2018	0.9m
BALI KLUNGKUNG P.NUSAPENIDA	1405z	05 Sep 2018	0.8m
NTB KOTA-BIMA S	1411z	05 Sep 2018	0.9m
NTB SUMBAWA B	1415z	05 Sep 2018	0.8m
BENGKALIS	1418z	05 Sep 2018	0.6m
NTB LOMBOK-TIMUR S	1426z	05 Sep 2018	0.9m
JATIM PACITAN	1513z	05 Sep 2018	1.0m
BANTEN PANDEGLANG S	1557z	05 Sep 2018	1.0m
JATIM MALANG	1642z	05 Sep 2018	0.8m
JATIM JEMBER P.NUSABARUNG	1649z	05 Sep 2018	1.0m
JATIM TULUNGAGUNG	2016z	05 Sep 2018	0.9m
JATIM BANYUWANGI S	2031z	05 Sep 2018	0.6m
NTT SUMBA T	2047z	05 Sep 2018	0.6m
NTB LOMBOK-BARAT S	2113z	05 Sep 2018	0.6m
NTT KUPANG	2140z	05 Sep 2018	0.8m
NTT KOTA-KUPANG	2158z	05 Sep 2018	1.0m
NTT ROTENDAO	2202z	05 Sep 2018	0.8m
NTT NGADA S	2217z	05 Sep 2018	0.8m
NTT FLORES-TIMUR S	2219z	05 Sep 2018	0.7m
NTT ENDE S	2221z	05 Sep 2018	0.6m
NTT LEMBATA S	2221z	05 Sep 2018	0.7m
NTT SIKKA S	2223z	05 Sep 2018	0.6m
PANTE MACASSAR	2230z	05 Sep 2018	0.7m
NTT FLORES-TIMUR P.SOLOR	2230z	05 Sep 2018	0.7m
BALI BADUNG PANTAI-KUTA	2318z	05 Sep 2018	0.8m
NTT ALOR S	0205z	06 Sep 2018	0.6m
NTT BELU U	0223z	06 Sep 2018	0.5m
SIAK	0253z	06 Sep 2018	0.5m

IRAN

BIR	1139z	05 Sep 2018	0.8m
MISKI	1240z	05 Sep 2018	1.7m
PUSHT	1517z	05 Sep 2018	0.8m

KENYA

KIWAYU	1139z	05 Sep 2018	1.6m
KIPINI	1146z	05 Sep 2018	1.6m
MALINDI	1152z	05 Sep 2018	1.5m
KISIMACHANDE	1212z	05 Sep 2018	2.0m
MVULENI	1233z	05 Sep 2018	1.1m
TAKAUNGU	1308z	05 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1050z	05 Sep 2018	1.5m
ANOROTSANGANA	1058z	05 Sep 2018	0.9m
TOAMASINA AIRPORT	1106z	05 Sep 2018	1.5m
TAMPOLO	1122z	05 Sep 2018	1.9m
AMBAHY	1123z	05 Sep 2018	1.6m
FARAFAGANA	1127z	05 Sep 2018	1.2m
GLORIOSO ISLANDS	1130z	05 Sep 2018	1.4m
MANANTENINA	1141z	05 Sep 2018	1.9m
SAMPONA	1223z	05 Sep 2018	1.3m
ANDROKA	1537z	05 Sep 2018	0.9m
BALY	1732z	05 Sep 2018	1.5m
TAMOTAMO	1952z	05 Sep 2018	0.8m
AMBANJA	2202z	05 Sep 2018	0.9m
MANJA	0331z	06 Sep 2018	0.7m

MALAYSIA

SATUN	0556z	05 Sep 2018	1.7m
YAN	0603z	05 Sep 2018	1.7m
WEST OF ALOR SETAR	0616z	05 Sep 2018	1.8m
SEBERANG PERAI UTARA & BARAT DAYA	0632z	05 Sep 2018	2.7m
SEBERANG PERAI SELATAN	0634z	05 Sep 2018	1.9m
KUALA MUDA	0639z	05 Sep 2018	2.7m
KERIAN	0654z	05 Sep 2018	1.8m
LARUT AND MATANG	0703z	05 Sep 2018	1.5m
MANJUNG	0717z	05 Sep 2018	2.1m
HILIR PERAK	0819z	05 Sep 2018	1.9m
SABAK BERNAM	0858z	05 Sep 2018	1.4m
KUALA SELANGOR	1029z	05 Sep 2018	1.8m
KUALA LANGAT	1101z	05 Sep 2018	1.2m
SEPANG	1218z	05 Sep 2018	1.0m
PORT DICKSON	1221z	05 Sep 2018	1.0m
MELAKA TENGAH & JASIN	1404z	05 Sep 2018	0.6m
JASIN	1427z	05 Sep 2018	0.6m
PONTIAN	1652z	05 Sep 2018	0.6m

MALDIVES

MALE	0612z	05 Sep 2018	4.2m
KOLHUFUSHI	0614z	05 Sep 2018	3.1m
DHIYAMIGILI	0616z	05 Sep 2018	4.1m
HITHADHOO	0620z	05 Sep 2018	2.0m
THINADHOO	0620z	05 Sep 2018	2.8m
KULHUDUFFUSHI	0621z	05 Sep 2018	3.4m
GOIDHOO	0629z	05 Sep 2018	2.2m
NILANDHOO	0636z	05 Sep 2018	2.4m
FERIDHOO	0637z	05 Sep 2018	2.5m

MAURITIUS

LA FERME	0852z	05 Sep 2018	2.1m
GRANDE REVIERE SUD EST-EAST	0942z	05 Sep 2018	1.5m
AGALEGA ISLAND	0953z	05 Sep 2018	0.6m
CARGADOS CARAJOS	1000z	05 Sep 2018	1.9m
GRANDE REVIERE SUD EST-WEST	1005z	05 Sep 2018	0.6m

MOZAMBIQUE

MAGANJA	1202z	05 Sep 2018	1.2m
QUITERAJO	1225z	05 Sep 2018	0.9m

MERONVI	1227z	05 Sep 2018	1.1m
NANGATA	1229z	05 Sep 2018	1.0m
PEMBA	1230z	05 Sep 2018	1.3m
LUMBO	1237z	05 Sep 2018	1.0m
TAVARI	1301z	05 Sep 2018	0.8m
MAGUEMBA	1428z	05 Sep 2018	1.3m
ZAVALA	1447z	05 Sep 2018	1.1m
XAI-XAI	1453z	05 Sep 2018	0.8m
INHARRIME	1502z	05 Sep 2018	0.9m
VILA DO CHINDE	1508z	05 Sep 2018	1.0m
MALUANA	1528z	05 Sep 2018	1.2m
MAIONGUE	1532z	05 Sep 2018	0.7m
AMADE	1807z	05 Sep 2018	0.6m
MINHAUINE	1852z	05 Sep 2018	0.6m
MOGINCUAL	1947z	05 Sep 2018	0.8m
MAPUTO	1959z	05 Sep 2018	0.8m
OCONE	2118z	05 Sep 2018	1.1m
MOEBASE	2213z	05 Sep 2018	0.8m
NOVA LUSITANIA	2217z	05 Sep 2018	0.8m
NHANGAU	2239z	05 Sep 2018	1.0m
INHASSORO	2250z	05 Sep 2018	0.6m
LURIO	0210z	06 Sep 2018	0.6m

MYANMAR

THAN KYUN	0434z	05 Sep 2018	2.6m
LORD LOUGHBOROUGH ISLAND	0435z	05 Sep 2018	3.0m
GREAT WESTERN TORRES ISLAND	0441z	05 Sep 2018	3.1m
LITTLE COCO ISLAND	0450z	05 Sep 2018	1.6m
PREPARIS ISLAND	0502z	05 Sep 2018	1.3m
KYWEGYAUNG	0553z	05 Sep 2018	2.5m
MALI KYUN	0558z	05 Sep 2018	1.9m
PHARPON	0604z	05 Sep 2018	2.4m
CHEDUBA ISLAND	0605z	05 Sep 2018	2.3m
MAGYIGYAING	0606z	05 Sep 2018	2.6m
MAWYEN	0609z	05 Sep 2018	2.4m
YANGON-S	0628z	05 Sep 2018	2.0m
SITTWE	0630z	05 Sep 2018	1.7m
YE	0633z	05 Sep 2018	1.5m
KYAUKPYU	0634z	05 Sep 2018	2.1m
THAWINCHAUNG	0636z	05 Sep 2018	1.6m

OMAN

SALALAH	1035z	05 Sep 2018	1.6m
HASIK	1038z	05 Sep 2018	1.4m
AD DUQM	1057z	05 Sep 2018	1.1m
MIRBAT	1141z	05 Sep 2018	0.7m
SOHAR	1157z	05 Sep 2018	0.6m
AL ASHKHARAH	1204z	05 Sep 2018	0.7m
TAQAH	1207z	05 Sep 2018	0.7m
EAST MUSANDAM	1218z	05 Sep 2018	1.2m
AL JAZER	1500z	05 Sep 2018	0.9m
SUR	1538z	05 Sep 2018	0.7m
RAS AR RUWAYS	1545z	05 Sep 2018	1.0m
MASIRAH	1623z	05 Sep 2018	0.8m
QURAYYAT	1851z	05 Sep 2018	0.8m
BARKA	1856z	05 Sep 2018	0.5m
MUSCAT	1923z	05 Sep 2018	0.6m

PAKISTAN

ORMARA	1427z	05 Sep 2018	0.9m	
WINDER	1448z	05 Sep 2018	1.4m	
KARACHI	1511z	05 Sep 2018	1.0m	
SINDH	1726z	05 Sep 2018	0.9m	
SEYCHELLES				

FREGATE ISLAND	0924z	05 Sep 2018	1.9m	
COETIVY ISLAND	0941z	05 Sep 2018	0.6m	
TAKAMAKA	1034z	05 Sep 2018	2.1m	
ILE DESROCHES	1652z	05 Sep 2018	0.5m	
FARQUHAR GROUP	1745z	05 Sep 2018	0.5m	
SOMALIA				

BANDER-BEYLA	1013z	05 Sep 2018	2.8m	
EYL	1021z	05 Sep 2018	2.0m	
TOOXIN	1021z	05 Sep 2018	4.1m	
GALDOGOB	1023z	05 Sep 2018	2.2m	
JARIIBAN	1024z	05 Sep 2018	1.4m	
ITALA	1032z	05 Sep 2018	1.2m	
MAREEG	1032z	05 Sep 2018	1.8m	
CEEL DHEER	1032z	05 Sep 2018	2.0m	
XARARDHEERE	1034z	05 Sep 2018	2.0m	
UARSCIECH	1035z	05 Sep 2018	1.1m	
MUQDISHO	1041z	05 Sep 2018	1.5m	
ABO	1055z	05 Sep 2018	2.5m	
BARAAWE	1056z	05 Sep 2018	1.4m	
JILIB	1100z	05 Sep 2018	1.1m	
NE BEERNAASI	1108z	05 Sep 2018	1.6m	
KAAMBOONI	1115z	05 Sep 2018	1.2m	
BEYNAX BARRE	1129z	05 Sep 2018	0.7m	
TURDHO	1154z	05 Sep 2018	0.6m	
SAYLAC	1302z	05 Sep 2018	0.6m	
BAKI	1303z	05 Sep 2018	0.6m	
LOYADO	1303z	05 Sep 2018	0.8m	
QANDALA	1941z	05 Sep 2018	0.7m	
SOUTH AFRICA				

LAKE SIBAYI	1422z	05 Sep 2018	1.1m	
KOSIMEER	1426z	05 Sep 2018	0.9m	
MANDI	1439z	05 Sep 2018	1.2m	
FUNK SEAMOUNT	1453z	05 Sep 2018	1.3m	
ABORETUM	1459z	05 Sep 2018	0.8m	
BIZANA	1506z	05 Sep 2018	0.9m	
LUSIKISIKI	1507z	05 Sep 2018	0.7m	
KENTANI	1510z	05 Sep 2018	0.8m	
WILLOWVALE	1512z	05 Sep 2018	0.8m	
KAYSERS BEACH	1516z	05 Sep 2018	1.0m	
MARSHSTRAND	1518z	05 Sep 2018	1.0m	
GWABALANDA HITAWI	1520z	05 Sep 2018	0.6m	
ZIKHOVA	1522z	05 Sep 2018	0.7m	
PEDDIE	1530z	05 Sep 2018	0.8m	
ALEXANDRIA	1624z	05 Sep 2018	0.8m	
PORT DURNFORD	1717z	05 Sep 2018	0.9m	
MOSSEL	1724z	05 Sep 2018	1.5m	
MARGATE	1737z	05 Sep 2018	0.9m	
PORT ELIZABETH	1824z	05 Sep 2018	1.1m	
PORT ST JOHNS	1840z	05 Sep 2018	1.1m	

BATHURST	1931z	05 Sep 2018	0.8m
GEORGE	2016z	05 Sep 2018	0.8m
HUMANSDORP	2032z	05 Sep 2018	0.9m
HEIDELBERG	2111z	05 Sep 2018	0.8m
WITAAND	2119z	05 Sep 2018	0.8m
BREDASDORP	2138z	05 Sep 2018	1.0m
ELLIOTDALE	2151z	05 Sep 2018	0.6m
GAMTOOS	2154z	05 Sep 2018	0.7m
HANKEY	0318z	06 Sep 2018	0.7m

SRI LANKA

OKANDA	0453z	05 Sep 2018	2.4m
AKKARAIPATTU	0453z	05 Sep 2018	2.7m
KIRINDA	0456z	05 Sep 2018	3.2m
BATTICALOA	0456z	05 Sep 2018	3.0m
POTTUVIL	0458z	05 Sep 2018	2.0m
ANAITIVU	0502z	05 Sep 2018	2.4m
KATTANKUDI	0505z	05 Sep 2018	2.9m
MATARA	0506z	05 Sep 2018	2.4m
PANKULAM	0506z	05 Sep 2018	2.4m
TANGALLE	0508z	05 Sep 2018	2.3m
HAMBANTOTA	0512z	05 Sep 2018	3.5m
MULLAITTIVU	0515z	05 Sep 2018	2.1m
GALLE	0517z	05 Sep 2018	2.4m
AMBALANGODA	0521z	05 Sep 2018	2.3m
CHUNDIKKULAM	0532z	05 Sep 2018	4.7m
BERUWALA	0539z	05 Sep 2018	1.8m
CHAVAKACHCHERI	0544z	05 Sep 2018	2.8m
COLOMBO	0544z	05 Sep 2018	2.2m
MORATUWA	0547z	05 Sep 2018	1.7m
POINT PEDRO	0549z	05 Sep 2018	2.5m
MUNDAL LAKE	0604z	05 Sep 2018	1.6m
NEGOMBO	0605z	05 Sep 2018	1.3m
MANNAR ISLAND	0609z	05 Sep 2018	1.8m
MUSALI	0621z	05 Sep 2018	1.4m

TANZANIA

JIMBO	1158z	05 Sep 2018	1.7m
VUMBI	1159z	05 Sep 2018	1.3m
SONGO SONGO ISLAND	1203z	05 Sep 2018	1.3m
KUTANI	1203z	05 Sep 2018	1.0m
ZANZIBAR	1203z	05 Sep 2018	1.2m
RUUU	1203z	05 Sep 2018	1.6m
VUMBA	1203z	05 Sep 2018	1.3m
MSASANI	1214z	05 Sep 2018	1.4m
WEST TO KONDE	1223z	05 Sep 2018	1.7m
BAGAMOYO	1223z	05 Sep 2018	1.7m
MADANGWA	1225z	05 Sep 2018	0.9m
BOMALANDNI	1230z	05 Sep 2018	1.3m
GAZIJA	1231z	05 Sep 2018	0.8m

THAILAND

THAI MUEANG	0410z	05 Sep 2018	3.2m
KO RACHA NOI	0413z	05 Sep 2018	3.7m
KOH SURIN TAI	0431z	05 Sep 2018	3.5m
KOH LANTA YAI	0450z	05 Sep 2018	2.4m
THAI MUEANG_TAKUA PA	0450z	05 Sep 2018	3.5m
KOH ROK	0454z	05 Sep 2018	1.9m

MUEANG SATUN	0459z	05 Sep 2018	2.2m
KOH TARUTAO	0548z	05 Sep 2018	3.2m
TIMOR-LESTE			

PANTE MACASSAR	2225z	05 Sep 2018	0.7m
UNITED ARAB EMIRATES			

KALBA	1159z	05 Sep 2018	1.3m
UNITED KINGDOM			

MORESBY ISLAND	0636z	05 Sep 2018	4.8m
DIEGO GARCIA	0641z	05 Sep 2018	2.0m
NW EGMONT ISLAND	0703z	05 Sep 2018	1.1m
YEMEN			

SOCOTRA ISLAND SOUTH	1009z	05 Sep 2018	1.9m
SOCOTRA ISLAND WEST	1032z	05 Sep 2018	0.9m
SOCOTRA ISLAND NORTH	1037z	05 Sep 2018	1.3m
DAMQAWT	1040z	05 Sep 2018	1.2m
AL GHAYDAH AIRPORT	1044z	05 Sep 2018	1.6m
HUSWAYN	1103z	05 Sep 2018	1.5m
ALQUMRAH	1116z	05 Sep 2018	1.2m
HARRAH	1118z	05 Sep 2018	1.2m
EAST TO HAMI	1121z	05 Sep 2018	0.9m
HAMI	1130z	05 Sep 2018	0.9m
AL MUKALLA	1142z	05 Sep 2018	1.5m
KHANFAR	1229z	05 Sep 2018	0.9m
ADEN	1235z	05 Sep 2018	0.8m
MASILAH WADI	1240z	05 Sep 2018	0.9m
MAALLAH	1248z	05 Sep 2018	1.3m
QAWAH	1300z	05 Sep 2018	0.8m
AL MUALLA	1329z	05 Sep 2018	0.8m
RUDUM	1514z	05 Sep 2018	0.7m
BROM MAYFA	1911z	05 Sep 2018	0.6m
AHWAR	0226z	06 Sep 2018	0.5m

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 9

####

#

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

#

####

-

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

--

TSUNAMI BULLETIN NUMBER 9

IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)

ISSUED AT 0900 UTC Wednesday 05 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: 9.3 M
Depth: 10 km
Date: 05 SEP 2018
Origin Time: 0300UTC
Latitude: 3.3 N
Longitude: 96 E
Location: NORTHERN SUMATRA, INDONESIA

2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.

Maximum wave amplitudes observed so far:

Sabang (INDONESIA)	5.83 N	95.33 E	0325z	05 Sep 2018	8.0m
Meulaboh (INDONESIA)	4.13 N	96.13 E	0340z	05 Sep 2018	8.0m
Telukdalam (INDONESIA)	0.55 N	97.82 E	0345z	05 Sep 2018	6.00m
23227 (INDIA)	6.25 N	88.79 E	0419z	05 Sep 2018	0.46m
23219 (INDIA)	10.5 N	89.28 E	0424z	05 Sep 2018	0.33m
Sibolga (INDONESIA)	1.73 N	98.80 E	0440z	05 Sep 2018	4.00m
Christmas Island (AUSTRALIA)	10.4 S	105.67 E	0500z	05 Sep 2018	0.75m
Nancowry (INDIA)	8.05 N	93.55 E	0515z	05 Sep 2018	5.39m
Trincommalee (SRILANKA)	8.56 N	81.20 E	0536z	05 Sep 2018	1.38m
Langkawi (MALAYSIA)	6.87 N	99.77 E	0606z	05 Sep 2018	2.61m
Cilicap (INDONESIA)	7.75 S	109.01 E	0638z	05 Sep 2018	0.5m
Diego Garcia (UK)	7.29 S	72.39 E	0655z	05 Sep 2018	1.57m
56003 (AUSTRALIA)	15.0 S	117.99 E	0700z	05 Sep 2018	0.09m
Hanimaadhoo (MALDIVE ISLANDS)	6.77 N	73.17 E	0710z	05 Sep 2018	4.13m
Minicoy (INDIA)	8.28 N	73.05 E	0710z	05 Sep 2018	0.34m
Waikelo (INDONESIA)	9.39 S	119.22 E	0810z	05 Sep 2018	0.20m
56001 (AUSTRALIA)	13.9 S	110.00 E	0840z	05 Sep 2018	0.14m

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

COCOS ISLAND	0519z	05 Sep 2018	0.9m
NINGALOO COAST	0815z	05 Sep 2018	1.1m
PILBARA COAST WEST	0850z	05 Sep 2018	2.2m
GASCOYNE COAST	0852z	05 Sep 2018	1.9m
PILBARA COAST EAST	0922z	05 Sep 2018	1.9m
GERALDTON COAST	0945z	05 Sep 2018	2.3m
PERTH COAST	0957z	05 Sep 2018	1.1m
LEEUEWIN COAST	1012z	05 Sep 2018	1.3m
BUNBURY GEOGRAPHE COAST	1016z	05 Sep 2018	2.2m
WEST KIMBERLY COAST	1033z	05 Sep 2018	1.5m
LANCELIN COAST	1256z	05 Sep 2018	1.3m
HEARD ISLAND AND MCDONALD ISLANDS	1312z	05 Sep 2018	1.9m
AURORA BANK	1417z	05 Sep 2018	0.8m
NORTH KIMBERLY COAST	1740z	05 Sep 2018	0.8m
ALBANY COAST	1806z	05 Sep 2018	0.7m
EUCLA COAST	0116z	06 Sep 2018	0.7m
UPPER WEST COAST SA	0254z	06 Sep 2018	0.7m
ESPERANCE COAST	0258z	06 Sep 2018	0.6m
UPPER SOUTH EAST COAST SA	0331z	06 Sep 2018	0.6m

BANGLADESH

CHALNA	0657z	05 Sep 2018	1.4m
COXS BAZAR	0702z	05 Sep 2018	2.1m
KUTUBDIA ISLAND	0722z	05 Sep 2018	1.8m
BARGUNA	0731z	05 Sep 2018	1.8m

COMOROS

CHEZANI	1148z	05 Sep 2018	1.2m
DZAOUDZI	1403z	05 Sep 2018	0.7m

DJIBOUTI

NW ARTA	1305z	05 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1308z	05 Sep 2018	0.9m

FRANCE

ILE SAINT-PAUL-NORTH	0949z	05 Sep 2018	0.7m
ILE SAINT-PAUL-SOUTH	1005z	05 Sep 2018	1.0m
SAINT-JOSEPH	1009z	05 Sep 2018	0.6m
SAINT-DENIS	1021z	05 Sep 2018	0.6m
ILE KERGUELEN	1230z	05 Sep 2018	4.7m
NES CROZET	1246z	05 Sep 2018	0.7m
ILE DE LA POSSESSION	1248z	05 Sep 2018	1.5m
CROZET PLATEAU	1308z	05 Sep 2018	1.2m

INDIA

INDIRA POINT	0302z	05 Sep 2018	8.0m	
KOMATRA & KATCHAL ISLAND	0325z	05 Sep 2018	6.7m	
CAR NICOBAR	0344z	05 Sep 2018	3.8m	
LITTLE ANDAMAN	0402z	05 Sep 2018	8.2m	
PORT BLAIR	0407z	05 Sep 2018	4.2m	
BARREN ISLAND	0411z	05 Sep 2018	1.1m	
HAVELOCK	0416z	05 Sep 2018	3.5m	
NORTH SENTINEL ISLAND	0422z	05 Sep 2018	3.2m	
RANGATH BAY	0425z	05 Sep 2018	3.5m	
NARCONDAM ISLAND	0428z	05 Sep 2018	1.1m	
DIGLIPUR	0431z	05 Sep 2018	1.8m	
WEST & LANDFALL ISLAND	0455z	05 Sep 2018	2.2m	
FLAT ISLAND	0458z	05 Sep 2018	3.0m	
MARAKKANAM	0533z	05 Sep 2018	2.5m	
PUDUCHERRY	0534z	05 Sep 2018	2.8m	
CUDDALORE	0535z	05 Sep 2018	2.5m	
POOMBUHAR	0536z	05 Sep 2018	3.2m	
ENNORE	0540z	05 Sep 2018	3.9m	
MAHABALIPURAM	0541z	05 Sep 2018	5.8m	
NAGAPATTINAM	0544z	05 Sep 2018	4.8m	
MACHILIPATNAM	0545z	05 Sep 2018	3.5m	
CHENNAI	0546z	05 Sep 2018	4.7m	
SRIHARIKOTA	0546z	05 Sep 2018	3.4m	
KARAIKAL	0547z	05 Sep 2018	4.8m	
PERUPALEM	0549z	05 Sep 2018	2.9m	
KAKINADA	0551z	05 Sep 2018	4.5m	
MUTHUPET	0552z	05 Sep 2018	3.2m	
MALLIPATTINAM	0552z	05 Sep 2018	3.1m	
NIJAMPATTANAM	0553z	05 Sep 2018	4.8m	
KOTTAPATNAM	0600z	05 Sep 2018	5.2m	
VISAKHAPATNAM	0603z	05 Sep 2018	3.7m	
KALINGAPATNAM	0604z	05 Sep 2018	4.5m	
KONADA	0609z	05 Sep 2018	4.1m	
PURI	0612z	05 Sep 2018	2.3m	
RAMESWARAM	0612z	05 Sep 2018	1.8m	
GOPALPUR	0613z	05 Sep 2018	4.0m	
KOTTTAIPPATTANAM	0615z	05 Sep 2018	2.2m	
PARADIP	0615z	05 Sep 2018	2.0m	
TUTICORIN	0619z	05 Sep 2018	3.4m	
KOODANKULAM	0625z	05 Sep 2018	2.8m	
JAMBOO	0632z	05 Sep 2018	2.1m	
KANYAKUMARI	0632z	05 Sep 2018	3.8m	
TRIVANDRUM	0655z	05 Sep 2018	2.0m	
DHAMRA	0702z	05 Sep 2018	2.6m	
QUILON	0702z	05 Sep 2018	1.4m	
ALLEPPEY ALAPPUZHA	0707z	05 Sep 2018	1.4m	
HEMNAGAR	0708z	05 Sep 2018	1.9m	
NAMKHANA	0711z	05 Sep 2018	2.1m	
CHANDIPUR	0717z	05 Sep 2018	2.2m	
DIGHA	0718z	05 Sep 2018	2.3m	
KAVARATTI	0737z	05 Sep 2018	0.9m	
VADANAPPALLY	0741z	05 Sep 2018	1.3m	
VAKKAD	0758z	05 Sep 2018	1.5m	
BEYPORE	0801z	05 Sep 2018	1.8m	
AGATTI	0804z	05 Sep 2018	1.0m	
KANNUR	0809z	05 Sep 2018	1.7m	
MAHE	0810z	05 Sep 2018	1.3m	
KASARAGOD	0820z	05 Sep 2018	2.0m	
KARWAR	1016z	05 Sep 2018	1.4m	
UDUPI	1019z	05 Sep 2018	1.6m	

JAIGARH	1023z	05 Sep 2018	1.1m
COCHIN	1032z	05 Sep 2018	1.4m
VASCO	1304z	05 Sep 2018	1.2m
PANAJI	1317z	05 Sep 2018	1.0m
MALVAN BAY	1322z	05 Sep 2018	0.8m
MANGROL	1434z	05 Sep 2018	0.8m
PORBANDAR	1444z	05 Sep 2018	0.8m
ALIBAG PORT	1445z	05 Sep 2018	1.0m
DWARKA	1447z	05 Sep 2018	1.0m
HAZIRA, DIU	1454z	05 Sep 2018	0.9m
JAMNAGAR	1455z	05 Sep 2018	1.0m
MANGALORE	1508z	05 Sep 2018	1.7m
MUMBAI	1522z	05 Sep 2018	0.6m
AMINI	1524z	05 Sep 2018	0.6m
PIPAVAV	1645z	05 Sep 2018	0.7m
TARAPUR	1647z	05 Sep 2018	1.0m
MANDVI	1726z	05 Sep 2018	0.7m
MAHUVA	1826z	05 Sep 2018	0.9m
KHAMBAT	1837z	05 Sep 2018	0.7m
DAMAN	2123z	05 Sep 2018	1.0m
BORSI	2126z	05 Sep 2018	1.0m
HAZIRA	2128z	05 Sep 2018	0.9m
BHARUCH	2141z	05 Sep 2018	0.8m
INDONESIA			

MUARASIBERUT	0302z	05 Sep 2018	5.8m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0302z	05 Sep 2018	11.6m
SUMUT MANDAILING-NATAL S	0302z	05 Sep 2018	6.0m
SAKUBO	0302z	05 Sep 2018	5.6m
NIAS	0302z	05 Sep 2018	5.3m
GUNUNGSITOLI	0302z	05 Sep 2018	4.4m
SUMUT MANDAILING-NATAL U	0302z	05 Sep 2018	5.7m
SUMUT NIAS-SELATAN P.TANABALA	0302z	05 Sep 2018	5.9m
NAD SIMEULUE P.SIMEULUE	0302z	05 Sep 2018	10.1m
NAD ACEH-SINGKIL KEP.BANYAK	0302z	05 Sep 2018	6.2m
SUMUT NIAS-SELATAN P.NIAS	0302z	05 Sep 2018	5.9m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0303z	05 Sep 2018	6.5m
NAD KOTA-SABANG P.WEH	0303z	05 Sep 2018	7.3m
NAD ACEH-SELATAN U	0303z	05 Sep 2018	9.4m
SUMUT NIAS-SELATAN P.TANAHMASA	0304z	05 Sep 2018	4.5m
NIAS-EAST	0304z	05 Sep 2018	7.1m
NAD ACEH-SELATAN S	0304z	05 Sep 2018	10.8m
NAD KOTA-BANDA-ACEH	0304z	05 Sep 2018	11.4m
JABAR CIAMIS	0304z	05 Sep 2018	2.7m
NAD ACEH-BARAT-DAYA	0305z	05 Sep 2018	9.5m
MURASAIBI	0305z	05 Sep 2018	8.3m
SUMBAR PADANG-PARIAMAN U	0305z	05 Sep 2018	5.7m
SUMUT NIAS B	0305z	05 Sep 2018	6.7m
MUARASIGEP	0306z	05 Sep 2018	5.7m
SUMUT TAPANULI-TENGAH S	0306z	05 Sep 2018	8.1m
NAD ACEH-BARAT	0307z	05 Sep 2018	13.3m
NAD ACEH-JAYA	0307z	05 Sep 2018	13.5m
NAD ACEH-BESAR P.BREUEH	0307z	05 Sep 2018	12.9m
SUMBAR AGAM	0307z	05 Sep 2018	5.6m
SUMBAR KOTA-PADANG S	0307z	05 Sep 2018	4.4m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	5.6m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	7.5m
SUMBAR PADANG-PARIAMAN S	0308z	05 Sep 2018	4.8m
SUMUT TAPANULI-SELATAN	0308z	05 Sep 2018	8.2m
NAD ACEH-BESAR P.PENASI	0309z	05 Sep 2018	12.2m

JABAR TASIKMALAYA	0309z	05 Sep 2018	1.0m
NAD NAGAN-RAYA	0310z	05 Sep 2018	17.9m
NAD ACEH-BESAR U	0311z	05 Sep 2018	5.5m
NAD ACEH-BESAR B	0311z	05 Sep 2018	14.8m
NIAS-NORTH	0312z	05 Sep 2018	4.9m
SUMBAR PESISIR-SELATAN U	0313z	05 Sep 2018	4.6m
SUMUT TAPANULI-TENGAH U	0314z	05 Sep 2018	9.6m
SOUTH OF BODAHAYIONE	0315z	05 Sep 2018	5.9m
NAD ACEH-SINGKIL	0316z	05 Sep 2018	5.2m
NAD PIDIE	0316z	05 Sep 2018	2.5m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0316z	05 Sep 2018	4.2m
JATENG CILACAP	0320z	05 Sep 2018	1.9m
SUMBAR PESISIR-SELATAN S	0324z	05 Sep 2018	4.7m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0327z	05 Sep 2018	3.3m
NAD BIREUEN	0329z	05 Sep 2018	2.2m
SUMBAR KOTA-PARIAMAN	0336z	05 Sep 2018	5.3m
BENGKULU MUKOMUKO	0336z	05 Sep 2018	2.9m
NAD ACEH-UTARA B	0339z	05 Sep 2018	1.9m
NAD KOTA-LHOKSEUMAWA	0340z	05 Sep 2018	2.3m
NAD ACEH-UTARA T	0351z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA U	0403z	05 Sep 2018	1.8m
NAD ACEH-TIMUR	0410z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA S	0420z	05 Sep 2018	3.2m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0427z	05 Sep 2018	2.5m
BENGKULU SELUMA	0436z	05 Sep 2018	1.8m
BENGKULU BENGKULU-UTARA P.ENGGANO	0445z	05 Sep 2018	1.4m
BENGKULU BENGKULU-SELATAN	0446z	05 Sep 2018	1.4m
BENGKULU KAUR	0451z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0507z	05 Sep 2018	1.2m
NAD KOTA-LANGSA	0512z	05 Sep 2018	1.7m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0514z	05 Sep 2018	1.0m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0516z	05 Sep 2018	1.3m
JATENG KEBUMEN	0517z	05 Sep 2018	1.4m
LAMPUNG TANGGAMUS B	0522z	05 Sep 2018	2.3m
BANTEN PANDEGLANG P.PANAITAN	0530z	05 Sep 2018	1.9m
NAD ACEH-TAMIAANG	0533z	05 Sep 2018	2.7m
LAMPUNG TANGGAMUS T	0542z	05 Sep 2018	2.4m
LAMPUNG TANGGAMUS P.TABUAN	0545z	05 Sep 2018	1.3m
BANTEN PANDEGLANG U	0548z	05 Sep 2018	2.1m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0550z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0555z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0556z	05 Sep 2018	2.3m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0601z	05 Sep 2018	1.4m
BANTEN KOTA-CILEGON P.SANGIANG	0610z	05 Sep 2018	1.5m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0613z	05 Sep 2018	1.9m
BANTEN SERANG B	0613z	05 Sep 2018	1.6m
SUMUT LANGKAT	0616z	05 Sep 2018	1.8m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0620z	05 Sep 2018	3.0m
BANTEN KOTA-CILEGON	0627z	05 Sep 2018	2.2m
BELAWAN	0641z	05 Sep 2018	1.2m
SUMUT DELISERDANG	0649z	05 Sep 2018	1.5m
JATENG PURWOREJO	0650z	05 Sep 2018	0.9m
DIY KULON-PROGO	0654z	05 Sep 2018	1.1m
SUMUT SERDANG-BEDAGAI	0654z	05 Sep 2018	1.6m
DIY GUNUNG-KIDUL	0702z	05 Sep 2018	1.2m
SUMUT ASAHAN	0711z	05 Sep 2018	1.6m
LABUHAN BATU	0908z	05 Sep 2018	1.7m
BALI DENPASAR PANTAI-SANUR	0918z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-SELATAN B	0936z	05 Sep 2018	0.9m
BALI TABANAN	0938z	05 Sep 2018	0.8m
JABAR SUKABUMI PELABUHAN-RATU	0940z	05 Sep 2018	1.0m

JABAR SUKABUMI UJUNG-GENTENG	0947z	05 Sep 2018	1.0m
NTB SUMBAWA S	0959z	05 Sep 2018	0.9m
ROKAN HILIR	1106z	05 Sep 2018	0.9m
NTT SUMBA B	1207z	05 Sep 2018	0.8m
NTT MANGGARAI-BARAT P.	1208z	05 Sep 2018	0.9m
DUMAI	1213z	05 Sep 2018	1.0m
NTT MANGGARAI-BARAT S	1216z	05 Sep 2018	0.8m
NTT MANGGARAI S	1217z	05 Sep 2018	0.9m
JATIM JEMBER	1240z	05 Sep 2018	1.4m
JABAR GARUT	1259z	05 Sep 2018	0.9m
JABAR CIANJUR SINDANGBARANG	1303z	05 Sep 2018	0.9m
BANTEN LEBAK	1329z	05 Sep 2018	1.0m
DIY BANTUL	1331z	05 Sep 2018	0.9m
JATIM LUMAJANG	1334z	05 Sep 2018	0.9m
JATENG WONOGIRI	1340z	05 Sep 2018	0.9m
NTB LOMBOK-TENGAH	1341z	05 Sep 2018	0.8m
JATIM TRENGGALEK	1357z	05 Sep 2018	0.8m
JATIM BLITAR	1401z	05 Sep 2018	0.9m
BALI KLUNGKUNG P.NUSAPENIDA	1405z	05 Sep 2018	0.8m
NTB KOTA-BIMA S	1411z	05 Sep 2018	0.9m
NTB SUMBAWA B	1415z	05 Sep 2018	0.8m
BENGKALIS	1418z	05 Sep 2018	0.6m
NTB LOMBOK-TIMUR S	1426z	05 Sep 2018	0.9m
JATIM PACITAN	1513z	05 Sep 2018	1.0m
BANTEN PANDEGLANG S	1557z	05 Sep 2018	1.0m
JATIM MALANG	1642z	05 Sep 2018	0.8m
JATIM JEMBER P.NUSABARUNG	1649z	05 Sep 2018	1.0m
JATIM TULUNGAGUNG	2016z	05 Sep 2018	0.9m
JATIM BANYUWANGI S	2031z	05 Sep 2018	0.6m
NTT SUMBA T	2047z	05 Sep 2018	0.6m
NTB LOMBOK-BARAT S	2113z	05 Sep 2018	0.6m
NTT KUPANG	2140z	05 Sep 2018	0.8m
NTT KOTA-KUPANG	2158z	05 Sep 2018	1.0m
NTT ROTENDAO	2202z	05 Sep 2018	0.8m
NTT NGADA S	2217z	05 Sep 2018	0.8m
NTT FLORES-TIMUR S	2219z	05 Sep 2018	0.7m
NTT LEMBATA S	2221z	05 Sep 2018	0.7m
NTT ENDE S	2221z	05 Sep 2018	0.6m
NTT SIKKA S	2223z	05 Sep 2018	0.6m
PANTE MACASSAR	2230z	05 Sep 2018	0.7m
NTT FLORES-TIMUR P.SOLOR	2230z	05 Sep 2018	0.7m
BALI BADUNG PANTAI-KUTA	2318z	05 Sep 2018	0.8m
NTT ALOR S	0205z	06 Sep 2018	0.6m
NTT BELU U	0223z	06 Sep 2018	0.5m
SIAK	0253z	06 Sep 2018	0.5m

IRAN

BIR	1139z	05 Sep 2018	0.8m
MISKI	1240z	05 Sep 2018	1.7m
PUSHT	1517z	05 Sep 2018	0.8m

KENYA

KIWAYU	1139z	05 Sep 2018	1.6m
KIPINI	1146z	05 Sep 2018	1.6m
MALINDI	1152z	05 Sep 2018	1.5m
KISIMACHANDE	1212z	05 Sep 2018	2.0m
MVULENI	1233z	05 Sep 2018	1.1m
TAKAUNGU	1308z	05 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1050z	05 Sep 2018	1.5m
ANOROTSANGANA	1058z	05 Sep 2018	0.9m
TOAMASINA AIRPORT	1106z	05 Sep 2018	1.5m
TAMPOLO	1122z	05 Sep 2018	1.9m
AMBAHY	1123z	05 Sep 2018	1.6m
FARAFAGANA	1127z	05 Sep 2018	1.2m
GLORIOSO ISLANDS	1130z	05 Sep 2018	1.4m
MANANTENINA	1141z	05 Sep 2018	1.9m
SAMPONA	1223z	05 Sep 2018	1.3m
ANDROKA	1537z	05 Sep 2018	0.9m
BALY	1732z	05 Sep 2018	1.5m
TAMOTAMO	1952z	05 Sep 2018	0.8m
AMBANJA	2202z	05 Sep 2018	0.9m
MANJA	0331z	06 Sep 2018	0.7m

MALAYSIA

SATUN	0556z	05 Sep 2018	1.7m
YAN	0603z	05 Sep 2018	1.7m
WEST OF ALOR SETAR	0616z	05 Sep 2018	1.8m
SEBERANG PERAI UTARA & BARAT DAYA	0632z	05 Sep 2018	2.7m
SEBERANG PERAI SELATAN	0634z	05 Sep 2018	1.9m
KUALA MUDA	0639z	05 Sep 2018	2.7m
KERIAN	0654z	05 Sep 2018	1.8m
LARUT AND MATANG	0703z	05 Sep 2018	1.5m
MANJUNG	0717z	05 Sep 2018	2.1m
HILIR PERAK	0819z	05 Sep 2018	1.9m
SABAK BERNAM	0858z	05 Sep 2018	1.4m
KUALA SELANGOR	1029z	05 Sep 2018	1.8m
KUALA LANGAT	1101z	05 Sep 2018	1.2m
SEPANG	1218z	05 Sep 2018	1.0m
PORT DICKSON	1221z	05 Sep 2018	1.0m
MELAKA TENGAH & JASIN	1404z	05 Sep 2018	0.6m
JASIN	1427z	05 Sep 2018	0.6m
PONTIAN	1652z	05 Sep 2018	0.6m

MALDIVES

MALE	0612z	05 Sep 2018	4.2m
KOLHUFUSHI	0614z	05 Sep 2018	3.1m
DHIYAMIGILI	0616z	05 Sep 2018	4.1m
HITHADHOO	0620z	05 Sep 2018	2.0m
THINADHOO	0620z	05 Sep 2018	2.8m
KULHUDUFFUSHI	0621z	05 Sep 2018	3.4m
GOIDHOO	0629z	05 Sep 2018	2.2m
NILANDHOO	0636z	05 Sep 2018	2.4m
FERIDHOO	0637z	05 Sep 2018	2.5m

MAURITIUS

LA FERME	0852z	05 Sep 2018	2.1m
GRANDE REVIERE SUD EST-EAST	0942z	05 Sep 2018	1.5m
AGALEGA ISLAND	0953z	05 Sep 2018	0.6m
CARGADOS CARAJOS	1000z	05 Sep 2018	1.9m
GRANDE REVIERE SUD EST-WEST	1005z	05 Sep 2018	0.6m

MOZAMBIQUE

MAGANJA	1202z	05 Sep 2018	1.2m
---------	-------	-------------	------

QUITERAJÓ	1225z	05 Sep 2018	0.9m
MERONVI	1227z	05 Sep 2018	1.1m
NANGATA	1229z	05 Sep 2018	1.0m
PEMBA	1230z	05 Sep 2018	1.3m
LUMBO	1237z	05 Sep 2018	1.0m
TAVARI	1301z	05 Sep 2018	0.8m
MAGUEMBA	1428z	05 Sep 2018	1.3m
ZAVALA	1447z	05 Sep 2018	1.1m
XAI-XAI	1453z	05 Sep 2018	0.8m
INHARRIME	1502z	05 Sep 2018	0.9m
VILA DO CHINDE	1508z	05 Sep 2018	1.0m
MALUANA	1528z	05 Sep 2018	1.2m
MAIONGUE	1532z	05 Sep 2018	0.7m
AMADE	1807z	05 Sep 2018	0.6m
MINHAUINE	1852z	05 Sep 2018	0.6m
MOGINCUAL	1947z	05 Sep 2018	0.8m
MAPUTO	1959z	05 Sep 2018	0.8m
OCONE	2118z	05 Sep 2018	1.1m
MOEBASE	2213z	05 Sep 2018	0.8m
NOVA LUSITANIA	2217z	05 Sep 2018	0.8m
NHANGAU	2239z	05 Sep 2018	1.0m
INHASSORO	2250z	05 Sep 2018	0.6m
LURIO	0210z	06 Sep 2018	0.6m

MYANMAR

THAN KYUN	0434z	05 Sep 2018	2.6m
LORD LOUGHBOROUGH ISLAND	0435z	05 Sep 2018	3.0m
GREAT WESTERN TORRES ISLAND	0441z	05 Sep 2018	3.1m
LITTLE COCO ISLAND	0450z	05 Sep 2018	1.6m
PREPARIS ISLAND	0502z	05 Sep 2018	1.3m
KYWEGYAUNG	0553z	05 Sep 2018	2.5m
MALI KYUN	0558z	05 Sep 2018	1.9m
PHARPON	0604z	05 Sep 2018	2.4m
CHEDUBA ISLAND	0605z	05 Sep 2018	2.3m
MAGYIGYAING	0606z	05 Sep 2018	2.6m
MAWYEN	0609z	05 Sep 2018	2.4m
YANGON-S	0628z	05 Sep 2018	2.0m
SITTWE	0630z	05 Sep 2018	1.7m
YE	0633z	05 Sep 2018	1.5m
KYAUKPYU	0634z	05 Sep 2018	2.1m
THAWINCHAUNG	0636z	05 Sep 2018	1.6m

OMAN

SALALAH	1035z	05 Sep 2018	1.6m
HASIK	1038z	05 Sep 2018	1.4m
AD DUQM	1057z	05 Sep 2018	1.1m
MIRBAT	1141z	05 Sep 2018	0.7m
SOHAR	1157z	05 Sep 2018	0.6m
AL ASHKHARAH	1204z	05 Sep 2018	0.7m
TAQAH	1207z	05 Sep 2018	0.7m
EAST MUSANDAM	1218z	05 Sep 2018	1.2m
AL JAZER	1500z	05 Sep 2018	0.9m
SUR	1538z	05 Sep 2018	0.7m
RAS AR RUWAYS	1545z	05 Sep 2018	1.0m
MASIRAH	1623z	05 Sep 2018	0.8m
QURAYYAT	1851z	05 Sep 2018	0.8m
BARKA	1856z	05 Sep 2018	0.5m
MUSCAT	1923z	05 Sep 2018	0.6m

PAKISTAN

ORMARA	1427z	05 Sep 2018	0.9m
WINDER	1448z	05 Sep 2018	1.4m
KARACHI	1511z	05 Sep 2018	1.0m
SINDH	1726z	05 Sep 2018	0.9m

SEYCHELLES

FREGATE ISLAND	0924z	05 Sep 2018	1.9m
COETIVY ISLAND	0941z	05 Sep 2018	0.6m
TAKAMAKA	1034z	05 Sep 2018	2.1m
ILE DESROCHES	1652z	05 Sep 2018	0.5m
FARQUHAR GROUP	1745z	05 Sep 2018	0.5m

SOMALIA

BANDER-BEYLA	1013z	05 Sep 2018	2.8m
TOOXIN	1021z	05 Sep 2018	4.1m
EYL	1021z	05 Sep 2018	2.0m
GALDOGOB	1023z	05 Sep 2018	2.2m
JARIIBAN	1024z	05 Sep 2018	1.4m
MAREEG	1032z	05 Sep 2018	1.8m
ITALA	1032z	05 Sep 2018	1.2m
CEEL DHEER	1032z	05 Sep 2018	2.0m
XARARDHEERE	1034z	05 Sep 2018	2.0m
UARSCIECH	1035z	05 Sep 2018	1.1m
MUQDISHO	1041z	05 Sep 2018	1.5m
ABO	1055z	05 Sep 2018	2.5m
BARAAWE	1056z	05 Sep 2018	1.4m
JILIB	1100z	05 Sep 2018	1.1m
NE BEERNAASI	1108z	05 Sep 2018	1.6m
KAAMBOONI	1115z	05 Sep 2018	1.2m
BEYNAX BARRE	1129z	05 Sep 2018	0.7m
TURDHO	1154z	05 Sep 2018	0.6m
SAYLAC	1302z	05 Sep 2018	0.6m
LOYADO	1303z	05 Sep 2018	0.8m
BAKI	1303z	05 Sep 2018	0.6m
QANDALA	1941z	05 Sep 2018	0.7m

SOUTH AFRICA

LAKE SIBAYI	1422z	05 Sep 2018	1.1m
KOSIMEER	1426z	05 Sep 2018	0.9m
MANDI	1439z	05 Sep 2018	1.2m
FUNK SEAMOUNT	1453z	05 Sep 2018	1.3m
ABORETUM	1459z	05 Sep 2018	0.8m
BIZANA	1506z	05 Sep 2018	0.9m
LUSIKISIKI	1507z	05 Sep 2018	0.7m
KENTANI	1510z	05 Sep 2018	0.8m
WILLOWVALE	1512z	05 Sep 2018	0.8m
KAYSERS BEACH	1516z	05 Sep 2018	1.0m
MARSHSTRAND	1518z	05 Sep 2018	1.0m
GWABALANDA HITAWI	1520z	05 Sep 2018	0.6m
ZIKHOVA	1522z	05 Sep 2018	0.7m
PEDDIE	1530z	05 Sep 2018	0.8m
ALEXANDRIA	1624z	05 Sep 2018	0.8m
PORT DURNFORD	1717z	05 Sep 2018	0.9m
MOSSEL	1724z	05 Sep 2018	1.5m
MARGATE	1737z	05 Sep 2018	0.9m
PORT ELIZABETH	1824z	05 Sep 2018	1.1m

PORT ST JOHNS	1840z	05 Sep 2018	1.1m
BATHURST	1931z	05 Sep 2018	0.8m
GEORGE	2016z	05 Sep 2018	0.8m
HUMANSDORP	2032z	05 Sep 2018	0.9m
HEIDELBERG	2111z	05 Sep 2018	0.8m
WITAAND	2119z	05 Sep 2018	0.8m
BREDASDORP	2138z	05 Sep 2018	1.0m
ELLIOTDALE	2151z	05 Sep 2018	0.6m
GAMTOOS	2154z	05 Sep 2018	0.7m
HANKEY	0318z	06 Sep 2018	0.7m

SRI LANKA

OKANDA	0453z	05 Sep 2018	2.4m
AKKARAIPATTU	0453z	05 Sep 2018	2.7m
KIRINDA	0456z	05 Sep 2018	3.2m
BATTICALOA	0456z	05 Sep 2018	3.0m
POTTUVIL	0458z	05 Sep 2018	2.0m
ANAITIVU	0502z	05 Sep 2018	2.4m
KATTANKUDI	0505z	05 Sep 2018	2.9m
MATARA	0506z	05 Sep 2018	2.4m
PANKULAM	0506z	05 Sep 2018	2.4m
TANGALLE	0508z	05 Sep 2018	2.3m
HAMBANTOTA	0512z	05 Sep 2018	3.5m
MULLAITTIVU	0515z	05 Sep 2018	2.1m
GALLE	0517z	05 Sep 2018	2.4m
AMBALANGODA	0521z	05 Sep 2018	2.3m
CHUNDIKKULAM	0532z	05 Sep 2018	4.7m
BERUWALA	0539z	05 Sep 2018	1.8m
CHAVAKACHCHERI	0544z	05 Sep 2018	2.8m
COLOMBO	0544z	05 Sep 2018	2.2m
MORATUWA	0547z	05 Sep 2018	1.7m
POINT PEDRO	0549z	05 Sep 2018	2.5m
MUNDAL LAKE	0604z	05 Sep 2018	1.6m
NEGOMBO	0605z	05 Sep 2018	1.3m
MANNAR ISLAND	0609z	05 Sep 2018	1.8m
MUSALI	0621z	05 Sep 2018	1.4m

TANZANIA

JIMBO	1158z	05 Sep 2018	1.7m
VUMBI	1159z	05 Sep 2018	1.3m
RUUU	1203z	05 Sep 2018	1.6m
KUTANI	1203z	05 Sep 2018	1.0m
ZANZIBAR	1203z	05 Sep 2018	1.2m
VUMBA	1203z	05 Sep 2018	1.3m
SONGO SONGO ISLAND	1203z	05 Sep 2018	1.3m
MSASANI	1214z	05 Sep 2018	1.4m
WEST TO KONDE	1223z	05 Sep 2018	1.7m
BAGAMOYO	1223z	05 Sep 2018	1.7m
MADANGWA	1225z	05 Sep 2018	0.9m
BOMALANDNI	1230z	05 Sep 2018	1.3m
GAZIJA	1231z	05 Sep 2018	0.8m

THAILAND

THAI MUEANG	0410z	05 Sep 2018	3.2m
KO RACHA NOI	0413z	05 Sep 2018	3.7m
KOH SURIN TAI	0431z	05 Sep 2018	3.5m
KOH LANTA YAI	0450z	05 Sep 2018	2.4m
THAI MUEANG_TAKUA PA	0450z	05 Sep 2018	3.5m

KOH ROK	0454z	05 Sep 2018	1.9m
MUEANG SATUN	0459z	05 Sep 2018	2.2m
KOH TARUTAO	0548z	05 Sep 2018	3.2m
TIMOR-LESTE			

PANTE MACASSAR	2225z	05 Sep 2018	0.7m
UNITED ARAB EMIRATES			

KALBA	1159z	05 Sep 2018	1.3m
UNITED KINGDOM			

MORESBY ISLAND	0636z	05 Sep 2018	4.8m
DIEGO GARCIA	0641z	05 Sep 2018	2.0m
NW EGMONT ISLAND	0703z	05 Sep 2018	1.1m
YEMEN			

SOCOTRA ISLAND SOUTH	1009z	05 Sep 2018	1.9m
SOCOTRA ISLAND WEST	1032z	05 Sep 2018	0.9m
SOCOTRA ISLAND NORTH	1037z	05 Sep 2018	1.3m
DAMQAWT	1040z	05 Sep 2018	1.2m
AL GHAYDAH AIRPORT	1044z	05 Sep 2018	1.6m
HUSWAYN	1103z	05 Sep 2018	1.5m
ALQUMRAH	1116z	05 Sep 2018	1.2m
HARRAH	1118z	05 Sep 2018	1.2m
EAST TO HAMI	1121z	05 Sep 2018	0.9m
HAMI	1130z	05 Sep 2018	0.9m
AL MUKALLA	1142z	05 Sep 2018	1.5m
KHANFAR	1229z	05 Sep 2018	0.9m
ADEN	1235z	05 Sep 2018	0.8m
MASILAH WADI	1240z	05 Sep 2018	0.9m
MAALLAH	1248z	05 Sep 2018	1.3m
QAWAH	1300z	05 Sep 2018	0.8m
AL MUALLA	1329z	05 Sep 2018	0.8m
RUDUM	1514z	05 Sep 2018	0.7m
BROM MAYFA	1911z	05 Sep 2018	0.6m
AHWAR	0226z	06 Sep 2018	0.5m

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 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 1000 UTC Wednesday 05 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: 9.3 M
Depth: 10 km
Date: 05 SEP 2018
Origin Time: 0300UTC
Latitude: 3.3 N
Longitude: 96 E
Location: NORTHERN SUMATRA, INDONESIA

2. EVALUATION

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

Sabang (INDONESIA)	5.83 N	95.33 E	0325z	05 Sep 2018	8.0m
Meulaboh (INDONESIA)	4.13 N	96.13 E	0340z	05 Sep 2018	8.0m
Telukdalam (INDONESIA)	0.55 N	97.82 E	0345z	05 Sep 2018	6.00m
23227 (INDIA)	6.25 N	88.79 E	0419z	05 Sep 2018	0.46m
23219 (INDIA)	10.5 N	89.28 E	0424z	05 Sep 2018	0.33m
Sibolga (INDONESIA)	1.73 N	98.80 E	0440z	05 Sep 2018	4.00m
Christmas Island (AUSTRALIA)	10.4 S	105.67 E	0500z	05 Sep 2018	0.75m
Nancowry (INDIA)	8.05 N	93.55 E	0515z	05 Sep 2018	5.39m
Trincommalee (SRILANKA)	8.56 N	81.20 E	0536z	05 Sep 2018	1.38m
Langkawi (MALAYSIA)	6.87 N	99.77 E	0606z	05 Sep 2018	2.61m
Cilicap (INDONESIA)	7.75 S	109.01 E	0638z	05 Sep 2018	0.5m
Diego Garcia (UK)	7.29 S	72.39 E	0655z	05 Sep 2018	1.57m
56003 (AUSTRALIA)	15.0 S	117.99 E	0700z	05 Sep 2018	0.09m
Hanimaadhoo (MALDIVE ISLANDS)	6.77 N	73.17 E	0710z	05 Sep 2018	4.13m
Minicoy (INDIA)	8.28 N	73.05 E	0710z	05 Sep 2018	0.34m
Waikelo (INDONESIA)	9.39 S	119.22 E	0810z	05 Sep 2018	0.20m
56001 (AUSTRALIA)	13.9 S	110.00 E	0840z	05 Sep 2018	0.14m
Rodrigue (MAURITIUS)	19.6 S	63.42 E	0909z	05 Sep 2018	1.62m
Kirinda (SRILANKA)	6.20 N	81.32 E	0910z	05 Sep 2018	3.50m
Agalega (MAURITIUS)	10.3 S	56.59 E	0954z	05 Sep 2018	0.53m

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

COCOS ISLAND	0519z	05 Sep 2018	0.9m
NINGALOO COAST	0815z	05 Sep 2018	1.1m
PILBARA COAST WEST	0850z	05 Sep 2018	2.2m
GASCOYNE COAST	0852z	05 Sep 2018	1.9m
PILBARA COAST EAST	0922z	05 Sep 2018	1.9m
GERALDTON COAST	0945z	05 Sep 2018	2.3m
PERTH COAST	0957z	05 Sep 2018	1.1m
LEEUEWIN COAST	1012z	05 Sep 2018	1.3m
BUNBURY GEOGRAPHE COAST	1016z	05 Sep 2018	2.2m
WEST KIMBERLY COAST	1033z	05 Sep 2018	1.5m
LANCELIN COAST	1256z	05 Sep 2018	1.3m
HEARD ISLAND AND MCDONALD ISLANDS	1312z	05 Sep 2018	1.9m
AURORA BANK	1417z	05 Sep 2018	0.8m
NORTH KIMBERLY COAST	1740z	05 Sep 2018	0.8m
ALBANY COAST	1806z	05 Sep 2018	0.7m
EUCLA COAST	0116z	06 Sep 2018	0.7m
UPPER WEST COAST SA	0254z	06 Sep 2018	0.7m
ESPERANCE COAST	0258z	06 Sep 2018	0.6m
UPPER SOUTH EAST COAST SA	0331z	06 Sep 2018	0.6m

BANGLADESH

CHALNA	0657z	05 Sep 2018	1.4m
COXS BAZAR	0702z	05 Sep 2018	2.1m
KUTUBDIA ISLAND	0722z	05 Sep 2018	1.8m
BARGUNA	0731z	05 Sep 2018	1.8m

COMOROS

CHEZANI	1148z	05 Sep 2018	1.2m
DZAOUDZI	1403z	05 Sep 2018	0.7m

DJIBOUTI

NW ARTA	1305z	05 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1308z	05 Sep 2018	0.9m

FRANCE

ILE SAINT-PAUL-NORTH	0949z	05 Sep 2018	0.7m
ILE SAINT-PAUL-SOUTH	1005z	05 Sep 2018	1.0m
SAINT-JOSEPH	1009z	05 Sep 2018	0.6m
SAINT-DENIS	1021z	05 Sep 2018	0.6m
ILE KERGUELEN	1230z	05 Sep 2018	4.7m
NES CROZET	1246z	05 Sep 2018	0.7m

ILE DE LA POSSESSION	1248z	05 Sep 2018	1.5m
CROZET PLATEAU	1308z	05 Sep 2018	1.2m
INDIA			

INDIRA POINT	0302z	05 Sep 2018	8.0m
KOMATRA & KATCHAL ISLAND	0325z	05 Sep 2018	6.7m
CAR NICOBAR	0344z	05 Sep 2018	3.8m
LITTLE ANDAMAN	0402z	05 Sep 2018	8.2m
PORT BLAIR	0407z	05 Sep 2018	4.2m
BARREN ISLAND	0411z	05 Sep 2018	1.1m
HAVELOCK	0416z	05 Sep 2018	3.5m
NORTH SENTINEL ISLAND	0422z	05 Sep 2018	3.2m
RANGATH BAY	0425z	05 Sep 2018	3.5m
NARCONDAM ISLAND	0428z	05 Sep 2018	1.1m
DIGLIPUR	0431z	05 Sep 2018	1.8m
WEST & LANDFALL ISLAND	0455z	05 Sep 2018	2.2m
FLAT ISLAND	0458z	05 Sep 2018	3.0m
MARAKKANAM	0533z	05 Sep 2018	2.5m
PUDUCHERRY	0534z	05 Sep 2018	2.8m
CUDDALORE	0535z	05 Sep 2018	2.5m
POOMBUHAR	0536z	05 Sep 2018	3.2m
ENNORE	0540z	05 Sep 2018	3.9m
MAHABALIPURAM	0541z	05 Sep 2018	5.8m
NAGAPATTINAM	0544z	05 Sep 2018	4.8m
MACHILIPATNAM	0545z	05 Sep 2018	3.5m
SRIHARIKOTA	0546z	05 Sep 2018	3.4m
CHENNAI	0546z	05 Sep 2018	4.7m
KARAIKAL	0547z	05 Sep 2018	4.8m
PERUPALEM	0549z	05 Sep 2018	2.9m
KAKINADA	0551z	05 Sep 2018	4.5m
MALLIPATTINAM	0552z	05 Sep 2018	3.1m
MUTHUPET	0552z	05 Sep 2018	3.2m
NIJAMPATTANAM	0553z	05 Sep 2018	4.8m
KOTTAPATNAM	0600z	05 Sep 2018	5.2m
VISAKHAPATNAM	0603z	05 Sep 2018	3.7m
KALINGAPATNAM	0604z	05 Sep 2018	4.5m
KONADA	0609z	05 Sep 2018	4.1m
RAMESWARAM	0612z	05 Sep 2018	1.8m
PURI	0612z	05 Sep 2018	2.3m
GOPALPUR	0613z	05 Sep 2018	4.0m
PARADIP	0615z	05 Sep 2018	2.0m
KOTTTAIPPATTANAM	0615z	05 Sep 2018	2.2m
TUTICORIN	0619z	05 Sep 2018	3.4m
KOODANKULAM	0625z	05 Sep 2018	2.8m
KANYAKUMARI	0632z	05 Sep 2018	3.8m
JAMBOO	0632z	05 Sep 2018	2.1m
TRIVANDRUM	0655z	05 Sep 2018	2.0m
QUILON	0702z	05 Sep 2018	1.4m
DHAMRA	0702z	05 Sep 2018	2.6m
ALLEPPEY ALAPPUZHA	0707z	05 Sep 2018	1.4m
HEMNAGAR	0708z	05 Sep 2018	1.9m
NAMKHANA	0711z	05 Sep 2018	2.1m
CHANDIPUR	0717z	05 Sep 2018	2.2m
DIGHA	0718z	05 Sep 2018	2.3m
KAVARATTI	0737z	05 Sep 2018	0.9m
VADANAPPALLY	0741z	05 Sep 2018	1.3m
VAKKAD	0758z	05 Sep 2018	1.5m
BEYPORE	0801z	05 Sep 2018	1.8m
AGATTI	0804z	05 Sep 2018	1.0m
KANNUR	0809z	05 Sep 2018	1.7m

MAHE	0810z	05 Sep 2018	1.3m
KASARAGOD	0820z	05 Sep 2018	2.0m
KARWAR	1016z	05 Sep 2018	1.4m
UDUPI	1019z	05 Sep 2018	1.6m
JAIGARH	1023z	05 Sep 2018	1.1m
COCHIN	1032z	05 Sep 2018	1.4m
VASCO	1304z	05 Sep 2018	1.2m
PANAJI	1317z	05 Sep 2018	1.0m
MALVAN BAY	1322z	05 Sep 2018	0.8m
MANGROL	1434z	05 Sep 2018	0.8m
PORBANDAR	1444z	05 Sep 2018	0.8m
ALIBAG PORT	1445z	05 Sep 2018	1.0m
DWARKA	1447z	05 Sep 2018	1.0m
HAZIRA, DIU	1454z	05 Sep 2018	0.9m
JAMNAGAR	1455z	05 Sep 2018	1.0m
MANGALORE	1508z	05 Sep 2018	1.7m
MUMBAI	1522z	05 Sep 2018	0.6m
AMINI	1524z	05 Sep 2018	0.6m
PIPAVAV	1645z	05 Sep 2018	0.7m
TARAPUR	1647z	05 Sep 2018	1.0m
MANDVI	1726z	05 Sep 2018	0.7m
MAHUVA	1826z	05 Sep 2018	0.9m
KHAMBAT	1837z	05 Sep 2018	0.7m
DAMAN	2123z	05 Sep 2018	1.0m
BORSI	2126z	05 Sep 2018	1.0m
HAZIRA	2128z	05 Sep 2018	0.9m
BHARUCH	2141z	05 Sep 2018	0.8m

INDONESIA

SUMUT MANDAILING-NATAL U	0302z	05 Sep 2018	5.7m
SUMUT NIAS-SELATAN P.TANABALA	0302z	05 Sep 2018	5.9m
NIAS	0302z	05 Sep 2018	5.3m
SAKUBO	0302z	05 Sep 2018	5.6m
SUMUT MANDAILING-NATAL S	0302z	05 Sep 2018	6.0m
NAD SIMEULUE P.SIMEULUE	0302z	05 Sep 2018	10.1m
MUARASIBERUT	0302z	05 Sep 2018	5.8m
GUNUNGSITOLI	0302z	05 Sep 2018	4.4m
SUMUT NIAS-SELATAN P.NIAS	0302z	05 Sep 2018	5.9m
NAD ACEH-SINGKIL KEP.BANYAK	0302z	05 Sep 2018	6.2m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0302z	05 Sep 2018	11.6m
NAD KOTA-SABANG P.WEH	0303z	05 Sep 2018	7.3m
NAD ACEH-SELATAN U	0303z	05 Sep 2018	9.4m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0303z	05 Sep 2018	6.5m
JABAR CIAMIS	0304z	05 Sep 2018	2.7m
NAD KOTA-BANDA-ACEH	0304z	05 Sep 2018	11.4m
NAD ACEH-SELATAN S	0304z	05 Sep 2018	10.8m
SUMUT NIAS-SELATAN P.TANAHMASA	0304z	05 Sep 2018	4.5m
NIAS-EAST	0304z	05 Sep 2018	7.1m
SUMUT NIAS B	0305z	05 Sep 2018	6.7m
NAD ACEH-BARAT-DAYA	0305z	05 Sep 2018	9.5m
MURASAIBI	0305z	05 Sep 2018	8.3m
SUMBAR PADANG-PARIAMAN U	0305z	05 Sep 2018	5.7m
MUARASIGEP	0306z	05 Sep 2018	5.7m
SUMUT TAPANULI-TENGAH S	0306z	05 Sep 2018	8.1m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	7.5m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	5.6m
SUMBAR KOTA-PADANG S	0307z	05 Sep 2018	4.4m
SUMBAR AGAM	0307z	05 Sep 2018	5.6m
NAD ACEH-BESAR P.BREUEH	0307z	05 Sep 2018	12.9m
NAD ACEH-BARAT	0307z	05 Sep 2018	13.3m

NAD ACEH-JAYA	0307z	05 Sep 2018	13.5m
SUMBAR PADANG-PARIAMAN S	0308z	05 Sep 2018	4.8m
SUMUT TAPANULI-SELATAN	0308z	05 Sep 2018	8.2m
JABAR TASIKMALAYA	0309z	05 Sep 2018	1.0m
NAD ACEH-BESAR P.PENASI	0309z	05 Sep 2018	12.2m
NAD NAGAN-RAYA	0310z	05 Sep 2018	17.9m
NAD ACEH-BESAR B	0311z	05 Sep 2018	14.8m
NAD ACEH-BESAR U	0311z	05 Sep 2018	5.5m
NIAS-NORTH	0312z	05 Sep 2018	4.9m
SUMBAR PESISIR-SELATAN U	0313z	05 Sep 2018	4.6m
SUMUT TAPANULI-TENGAH U	0314z	05 Sep 2018	9.6m
SOUTH OF BODAHAYIONE	0315z	05 Sep 2018	5.9m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0316z	05 Sep 2018	4.2m
NAD PIDIE	0316z	05 Sep 2018	2.5m
NAD ACEH-SINGKIL	0316z	05 Sep 2018	5.2m
JATENG CILACAP	0320z	05 Sep 2018	1.9m
SUMBAR PESISIR-SELATAN S	0324z	05 Sep 2018	4.7m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0327z	05 Sep 2018	3.3m
NAD BIREUEN	0329z	05 Sep 2018	2.2m
SUMBAR KOTA-PARIAMAN	0336z	05 Sep 2018	5.3m
BENGKULU MUKOMUKO	0336z	05 Sep 2018	2.9m
NAD ACEH-UTARA B	0339z	05 Sep 2018	1.9m
NAD KOTA-LHOKSEUMAWE	0340z	05 Sep 2018	2.3m
NAD ACEH-UTARA T	0351z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA U	0403z	05 Sep 2018	1.8m
NAD ACEH-TIMUR	0410z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA S	0420z	05 Sep 2018	3.2m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0427z	05 Sep 2018	2.5m
BENGKULU SELUMA	0436z	05 Sep 2018	1.8m
BENGKULU BENGKULU-UTARA P.ENGGANO	0445z	05 Sep 2018	1.4m
BENGKULU BENGKULU-SELATAN	0446z	05 Sep 2018	1.4m
BENGKULU KAUR	0451z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0507z	05 Sep 2018	1.2m
NAD KOTA-LANGSA	0512z	05 Sep 2018	1.7m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0514z	05 Sep 2018	1.0m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0516z	05 Sep 2018	1.3m
JATENG KEBUMEN	0517z	05 Sep 2018	1.4m
LAMPUNG TANGGAMUS B	0522z	05 Sep 2018	2.3m
BANTEN PANDEGLANG P.PANAITAN	0530z	05 Sep 2018	1.9m
NAD ACEH-TAMIANG	0533z	05 Sep 2018	2.7m
LAMPUNG TANGGAMUS T	0542z	05 Sep 2018	2.4m
LAMPUNG TANGGAMUS P.TABUAN	0545z	05 Sep 2018	1.3m
BANTEN PANDEGLANG U	0548z	05 Sep 2018	2.1m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0550z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0555z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0556z	05 Sep 2018	2.3m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0601z	05 Sep 2018	1.4m
BANTEN KOTA-CILEGON P.SANGIANG	0610z	05 Sep 2018	1.5m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0613z	05 Sep 2018	1.9m
BANTEN SERANG B	0613z	05 Sep 2018	1.6m
SUMUT LANGKAT	0616z	05 Sep 2018	1.8m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0620z	05 Sep 2018	3.0m
BANTEN KOTA-CILEGON	0627z	05 Sep 2018	2.2m
BELAWAN	0641z	05 Sep 2018	1.2m
SUMUT DELISERDANG	0649z	05 Sep 2018	1.5m
JATENG PURWOREJO	0650z	05 Sep 2018	0.9m
DIY KULON-PROGO	0654z	05 Sep 2018	1.1m
SUMUT SERDANG-BEDAGAI	0654z	05 Sep 2018	1.6m
DIY GUNUNG-KIDUL	0702z	05 Sep 2018	1.2m
SUMUT ASAHAN	0711z	05 Sep 2018	1.6m
LABUHAN BATU	0908z	05 Sep 2018	1.7m

BALI DENPASAR PANTAI-SANUR	0918z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-SELATAN B	0936z	05 Sep 2018	0.9m
BALI TABANAN	0938z	05 Sep 2018	0.8m
JABAR SUKABUMI PELABUHAN-RATU	0940z	05 Sep 2018	1.0m
JABAR SUKABUMI UJUNG-GENTENG	0947z	05 Sep 2018	1.0m
NTB SUMBAWA S	0959z	05 Sep 2018	0.9m
ROKAN HILIR	1106z	05 Sep 2018	0.9m
NTT SUMBA B	1207z	05 Sep 2018	0.8m
NTT MANGGARAI-BARAT P.	1208z	05 Sep 2018	0.9m
DUMAI	1213z	05 Sep 2018	1.0m
NTT MANGGARAI-BARAT S	1216z	05 Sep 2018	0.8m
NTT MANGGARAI S	1217z	05 Sep 2018	0.9m
JATIM JEMBER	1240z	05 Sep 2018	1.4m
JABAR GARUT	1259z	05 Sep 2018	0.9m
JABAR CIANJUR SINDANGBARANG	1303z	05 Sep 2018	0.9m
BANTEN LEBAK	1329z	05 Sep 2018	1.0m
DIY BANTUL	1331z	05 Sep 2018	0.9m
JATIM LUMAJANG	1334z	05 Sep 2018	0.9m
JATENG WONOGIRI	1340z	05 Sep 2018	0.9m
NTB LOMBOK-TENGAH	1341z	05 Sep 2018	0.8m
JATIM TRENGGALEK	1357z	05 Sep 2018	0.8m
JATIM BLITAR	1401z	05 Sep 2018	0.9m
BALI KLUNGKUNG P.NUSAPENIDA	1405z	05 Sep 2018	0.8m
NTB KOTA-BIMA S	1411z	05 Sep 2018	0.9m
NTB SUMBAWA B	1415z	05 Sep 2018	0.8m
BENGKALIS	1418z	05 Sep 2018	0.6m
NTB LOMBOK-TIMUR S	1426z	05 Sep 2018	0.9m
JATIM PACITAN	1513z	05 Sep 2018	1.0m
BANTEN PANDEGLANG S	1557z	05 Sep 2018	1.0m
JATIM MALANG	1642z	05 Sep 2018	0.8m
JATIM JEMBER P.NUSABARUNG	1649z	05 Sep 2018	1.0m
JATIM TULUNGAGUNG	2016z	05 Sep 2018	0.9m
JATIM BANYUWANGI S	2031z	05 Sep 2018	0.6m
NTT SUMBA T	2047z	05 Sep 2018	0.6m
NTB LOMBOK-BARAT S	2113z	05 Sep 2018	0.6m
NTT KUPANG	2140z	05 Sep 2018	0.8m
NTT KOTA-KUPANG	2158z	05 Sep 2018	1.0m
NTT ROTENDAO	2202z	05 Sep 2018	0.8m
NTT NGADA S	2217z	05 Sep 2018	0.8m
NTT FLORES-TIMUR S	2219z	05 Sep 2018	0.7m
NTT LEMBATA S	2221z	05 Sep 2018	0.7m
NTT ENDE S	2221z	05 Sep 2018	0.6m
NTT SIKKA S	2223z	05 Sep 2018	0.6m
NTT FLORES-TIMUR P.SOLOR	2230z	05 Sep 2018	0.7m
PANTE MACASSAR	2230z	05 Sep 2018	0.7m
BALI BADUNG PANTAI-KUTA	2318z	05 Sep 2018	0.8m
NTT ALOR S	0205z	06 Sep 2018	0.6m
NTT BELU U	0223z	06 Sep 2018	0.5m
SIAK	0253z	06 Sep 2018	0.5m

IRAN

BIR	1139z	05 Sep 2018	0.8m
MISKI	1240z	05 Sep 2018	1.7m
PUSHT	1517z	05 Sep 2018	0.8m

KENYA

KIWAYU	1139z	05 Sep 2018	1.6m
KIPINI	1146z	05 Sep 2018	1.6m
MALINDI	1152z	05 Sep 2018	1.5m

KISIMACHANDE	1212z	05 Sep 2018	2.0m
MVULENI	1233z	05 Sep 2018	1.1m
TAKAUNGU	1308z	05 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1050z	05 Sep 2018	1.5m
ANOROTSANGANA	1058z	05 Sep 2018	0.9m
TOAMASINA AIRPORT	1106z	05 Sep 2018	1.5m
TAMPOLO	1122z	05 Sep 2018	1.9m
AMBAHY	1123z	05 Sep 2018	1.6m
FARAFAGANA	1127z	05 Sep 2018	1.2m
GLORIOSO ISLANDS	1130z	05 Sep 2018	1.4m
MANANTENINA	1141z	05 Sep 2018	1.9m
SAMPONA	1223z	05 Sep 2018	1.3m
ANDROKA	1537z	05 Sep 2018	0.9m
BALY	1732z	05 Sep 2018	1.5m
TAMOTAMO	1952z	05 Sep 2018	0.8m
AMBANJA	2202z	05 Sep 2018	0.9m
MANJA	0331z	06 Sep 2018	0.7m

MALAYSIA

SATUN	0556z	05 Sep 2018	1.7m
YAN	0603z	05 Sep 2018	1.7m
WEST OF ALOR SETAR	0616z	05 Sep 2018	1.8m
SEBERANG PERAI UTARA & BARAT DAYA	0632z	05 Sep 2018	2.7m
SEBERANG PERAI SELATAN	0634z	05 Sep 2018	1.9m
KUALA MUDA	0639z	05 Sep 2018	2.7m
KERIAN	0654z	05 Sep 2018	1.8m
LARUT AND MATANG	0703z	05 Sep 2018	1.5m
MANJUNG	0717z	05 Sep 2018	2.1m
HILIR PERAK	0819z	05 Sep 2018	1.9m
SABAK BERNAM	0858z	05 Sep 2018	1.4m
KUALA SELANGOR	1029z	05 Sep 2018	1.8m
KUALA LANGAT	1101z	05 Sep 2018	1.2m
SEPANG	1218z	05 Sep 2018	1.0m
PORT DICKSON	1221z	05 Sep 2018	1.0m
MELAKA TENGAH & JASIN	1404z	05 Sep 2018	0.6m
JASIN	1427z	05 Sep 2018	0.6m
PONTIAN	1652z	05 Sep 2018	0.6m

MALDIVES

MALE	0612z	05 Sep 2018	4.2m
KOLHUFUSHI	0614z	05 Sep 2018	3.1m
DHIYAMIGILI	0616z	05 Sep 2018	4.1m
HITHADHOO	0620z	05 Sep 2018	2.0m
THINADHOO	0620z	05 Sep 2018	2.8m
KULHUDUFFUSHI	0621z	05 Sep 2018	3.4m
GOIDHOO	0629z	05 Sep 2018	2.2m
NILANDHOO	0636z	05 Sep 2018	2.4m
FERIDHOO	0637z	05 Sep 2018	2.5m

MAURITIUS

LA FERME	0852z	05 Sep 2018	2.1m
GRANDE REVIERE SUD EST-EAST	0942z	05 Sep 2018	1.5m
AGALEGA ISLAND	0953z	05 Sep 2018	0.6m
CARGADOS CARAJOS	1000z	05 Sep 2018	1.9m
GRANDE REVIERE SUD EST-WEST	1005z	05 Sep 2018	0.6m

MOZAMBIQUE

MAGANJA	1202z	05 Sep 2018	1.2m
QUITERAJÓ	1225z	05 Sep 2018	0.9m
MERONVI	1227z	05 Sep 2018	1.1m
NANGATA	1229z	05 Sep 2018	1.0m
PEMBA	1230z	05 Sep 2018	1.3m
LUMBO	1237z	05 Sep 2018	1.0m
TAVARI	1301z	05 Sep 2018	0.8m
MAGUEMBA	1428z	05 Sep 2018	1.3m
ZAVALA	1447z	05 Sep 2018	1.1m
XAI-XAI	1453z	05 Sep 2018	0.8m
INHARRIME	1502z	05 Sep 2018	0.9m
VILA DO CHINDE	1508z	05 Sep 2018	1.0m
MALUANA	1528z	05 Sep 2018	1.2m
MAIONGUE	1532z	05 Sep 2018	0.7m
AMADE	1807z	05 Sep 2018	0.6m
MINHAUINE	1852z	05 Sep 2018	0.6m
MOGINCUAL	1947z	05 Sep 2018	0.8m
MAPUTO	1959z	05 Sep 2018	0.8m
OCONE	2118z	05 Sep 2018	1.1m
MOEBASE	2213z	05 Sep 2018	0.8m
NOVA LUSITANIA	2217z	05 Sep 2018	0.8m
NHANGAU	2239z	05 Sep 2018	1.0m
INHASSORO	2250z	05 Sep 2018	0.6m
LURIO	0210z	06 Sep 2018	0.6m

MYANMAR

THAN KYUN	0434z	05 Sep 2018	2.6m
LORD LOUGHBOROUGH ISLAND	0435z	05 Sep 2018	3.0m
GREAT WESTERN TORRES ISLAND	0441z	05 Sep 2018	3.1m
LITTLE COCO ISLAND	0450z	05 Sep 2018	1.6m
PREPARIS ISLAND	0502z	05 Sep 2018	1.3m
KYWEGYAUNG	0553z	05 Sep 2018	2.5m
MALI KYUN	0558z	05 Sep 2018	1.9m
PHARPON	0604z	05 Sep 2018	2.4m
CHEDUBA ISLAND	0605z	05 Sep 2018	2.3m
MAGYIGYAING	0606z	05 Sep 2018	2.6m
MAWYEN	0609z	05 Sep 2018	2.4m
YANGON-S	0628z	05 Sep 2018	2.0m
SITTWE	0630z	05 Sep 2018	1.7m
YE	0633z	05 Sep 2018	1.5m
KYAUKPYU	0634z	05 Sep 2018	2.1m
THAWINCHAUNG	0636z	05 Sep 2018	1.6m

OMAN

SALALAH	1035z	05 Sep 2018	1.6m
HASIK	1038z	05 Sep 2018	1.4m
AD DUQM	1057z	05 Sep 2018	1.1m
MIRBAT	1141z	05 Sep 2018	0.7m
SOHAR	1157z	05 Sep 2018	0.6m
AL ASHKHARAH	1204z	05 Sep 2018	0.7m
TAQAH	1207z	05 Sep 2018	0.7m
EAST MUSANDAM	1218z	05 Sep 2018	1.2m
AL JAZER	1500z	05 Sep 2018	0.9m
SUR	1538z	05 Sep 2018	0.7m
RAS AR RUWAYS	1545z	05 Sep 2018	1.0m
MASIRAH	1623z	05 Sep 2018	0.8m

QURAYYAT	1851z	05 Sep 2018	0.8m
BARKA	1856z	05 Sep 2018	0.5m
MUSCAT	1923z	05 Sep 2018	0.6m

PAKISTAN

ORMARA	1427z	05 Sep 2018	0.9m
WINDER	1448z	05 Sep 2018	1.4m
KARACHI	1511z	05 Sep 2018	1.0m
SINDH	1726z	05 Sep 2018	0.9m

SEYCHELLES

FREGATE ISLAND	0924z	05 Sep 2018	1.9m
COETIVY ISLAND	0941z	05 Sep 2018	0.6m
TAKAMAKA	1034z	05 Sep 2018	2.1m
ILE DESROCHES	1652z	05 Sep 2018	0.5m
FARQUHAR GROUP	1745z	05 Sep 2018	0.5m

SOMALIA

BANDER-BEYLA	1013z	05 Sep 2018	2.8m
TOOXIN	1021z	05 Sep 2018	4.1m
EYL	1021z	05 Sep 2018	2.0m
GALDOGOB	1023z	05 Sep 2018	2.2m
JARIIBAN	1024z	05 Sep 2018	1.4m
CEEL DHEER	1032z	05 Sep 2018	2.0m
MAREEG	1032z	05 Sep 2018	1.8m
ITALA	1032z	05 Sep 2018	1.2m
XARARDHEERE	1034z	05 Sep 2018	2.0m
UARSCIECH	1035z	05 Sep 2018	1.1m
MUQDISHO	1041z	05 Sep 2018	1.5m
ABO	1055z	05 Sep 2018	2.5m
BARAAWE	1056z	05 Sep 2018	1.4m
JILIB	1100z	05 Sep 2018	1.1m
NE BEERNAASI	1108z	05 Sep 2018	1.6m
KAAMBOONI	1115z	05 Sep 2018	1.2m
BEYNAX BARRE	1129z	05 Sep 2018	0.7m
TURDHO	1154z	05 Sep 2018	0.6m
SAYLAC	1302z	05 Sep 2018	0.6m
BAKI	1303z	05 Sep 2018	0.6m
LOYADO	1303z	05 Sep 2018	0.8m
QANDALA	1941z	05 Sep 2018	0.7m

SOUTH AFRICA

LAKE SIBAYI	1422z	05 Sep 2018	1.1m
KOSIMEER	1426z	05 Sep 2018	0.9m
MANDI	1439z	05 Sep 2018	1.2m
FUNK SEAMOUNT	1453z	05 Sep 2018	1.3m
ABORETUM	1459z	05 Sep 2018	0.8m
BIZANA	1506z	05 Sep 2018	0.9m
LUSIKISIKI	1507z	05 Sep 2018	0.7m
KENTANI	1510z	05 Sep 2018	0.8m
WILLOWVALE	1512z	05 Sep 2018	0.8m
KAYSERS BEACH	1516z	05 Sep 2018	1.0m
MARSHSTRAND	1518z	05 Sep 2018	1.0m
GWABALANDA HITAWI	1520z	05 Sep 2018	0.6m
ZIKHOVA	1522z	05 Sep 2018	0.7m
PEDDIE	1530z	05 Sep 2018	0.8m
ALEXANDRIA	1624z	05 Sep 2018	0.8m

PORT DURNFORD	1717z	05 Sep 2018	0.9m
MOSSEL	1724z	05 Sep 2018	1.5m
MARGATE	1737z	05 Sep 2018	0.9m
PORT ELIZABETH	1824z	05 Sep 2018	1.1m
PORT ST JOHNS	1840z	05 Sep 2018	1.1m
BATHURST	1931z	05 Sep 2018	0.8m
GEORGE	2016z	05 Sep 2018	0.8m
HUMANSDORP	2032z	05 Sep 2018	0.9m
HEIDELBERG	2111z	05 Sep 2018	0.8m
WITAAND	2119z	05 Sep 2018	0.8m
BREDASDORP	2138z	05 Sep 2018	1.0m
ELLIOTDALE	2151z	05 Sep 2018	0.6m
GAMTOOS	2154z	05 Sep 2018	0.7m
HANKEY	0318z	06 Sep 2018	0.7m

SRI LANKA

OKANDA	0453z	05 Sep 2018	2.4m
AKKARAIPATTU	0453z	05 Sep 2018	2.7m
KIRINDA	0456z	05 Sep 2018	3.2m
BATTICALOA	0456z	05 Sep 2018	3.0m
POTTUVIL	0458z	05 Sep 2018	2.0m
ANAITIVU	0502z	05 Sep 2018	2.4m
KATTANKUDI	0505z	05 Sep 2018	2.9m
MATARA	0506z	05 Sep 2018	2.4m
PANKULAM	0506z	05 Sep 2018	2.4m
TANGALLE	0508z	05 Sep 2018	2.3m
HAMBANTOTA	0512z	05 Sep 2018	3.5m
MULLAITTIVU	0515z	05 Sep 2018	2.1m
GALLE	0517z	05 Sep 2018	2.4m
AMBALANGODA	0521z	05 Sep 2018	2.3m
CHUNDIKKULAM	0532z	05 Sep 2018	4.7m
BERUWALA	0539z	05 Sep 2018	1.8m
CHAVAKACHCHERI	0544z	05 Sep 2018	2.8m
COLOMBO	0544z	05 Sep 2018	2.2m
MORATUWA	0547z	05 Sep 2018	1.7m
POINT PEDRO	0549z	05 Sep 2018	2.5m
MUNDAL LAKE	0604z	05 Sep 2018	1.6m
NEGOMBO	0605z	05 Sep 2018	1.3m
MANNAR ISLAND	0609z	05 Sep 2018	1.8m
MUSALI	0621z	05 Sep 2018	1.4m

TANZANIA

JIMBO	1158z	05 Sep 2018	1.7m
VUMBI	1159z	05 Sep 2018	1.3m
KUTANI	1203z	05 Sep 2018	1.0m
SONGO SONGO ISLAND	1203z	05 Sep 2018	1.3m
ZANZIBAR	1203z	05 Sep 2018	1.2m
VUMBA	1203z	05 Sep 2018	1.3m
RUUU	1203z	05 Sep 2018	1.6m
MSASANI	1214z	05 Sep 2018	1.4m
BAGAMOYO	1223z	05 Sep 2018	1.7m
WEST TO KONDE	1223z	05 Sep 2018	1.7m
MADANGWA	1225z	05 Sep 2018	0.9m
BOMALANDNI	1230z	05 Sep 2018	1.3m
GAZIJA	1231z	05 Sep 2018	0.8m

THAILAND

THAI MUEANG	0410z	05 Sep 2018	3.2m
-------------	-------	-------------	------

KO RACHA NOI	0413z	05 Sep 2018	3.7m
KOH SURIN TAI	0431z	05 Sep 2018	3.5m
KOH LANTA YAI	0450z	05 Sep 2018	2.4m
THAI MUEANG_TAKUA PA	0450z	05 Sep 2018	3.5m
KOH ROK	0454z	05 Sep 2018	1.9m
MUEANG SATUN	0459z	05 Sep 2018	2.2m
KOH TARUTAO	0548z	05 Sep 2018	3.2m

TIMOR-LESTE

PANTE MACASSAR	2225z	05 Sep 2018	0.7m
----------------	-------	-------------	------

UNITED ARAB EMIRATES

KALBA	1159z	05 Sep 2018	1.3m
-------	-------	-------------	------

UNITED KINGDOM

MORESBY ISLAND	0636z	05 Sep 2018	4.8m
DIEGO GARCIA	0641z	05 Sep 2018	2.0m
NW EGMONT ISLAND	0703z	05 Sep 2018	1.1m

YEMEN

SOCOTRA ISLAND SOUTH	1009z	05 Sep 2018	1.9m
SOCOTRA ISLAND WEST	1032z	05 Sep 2018	0.9m
SOCOTRA ISLAND NORTH	1037z	05 Sep 2018	1.3m
DAMQAWT	1040z	05 Sep 2018	1.2m
AL GHAYDAH AIRPORT	1044z	05 Sep 2018	1.6m
HUSWAYN	1103z	05 Sep 2018	1.5m
ALQUMRAH	1116z	05 Sep 2018	1.2m
HARRAH	1118z	05 Sep 2018	1.2m
EAST TO HAMI	1121z	05 Sep 2018	0.9m
HAMI	1130z	05 Sep 2018	0.9m
AL MUKALLA	1142z	05 Sep 2018	1.5m
KHANFAR	1229z	05 Sep 2018	0.9m
ADEN	1235z	05 Sep 2018	0.8m
MASILAH WADI	1240z	05 Sep 2018	0.9m
MAALLAH	1248z	05 Sep 2018	1.3m
QAWAH	1300z	05 Sep 2018	0.8m
AL MUALLA	1329z	05 Sep 2018	0.8m
RUDUM	1514z	05 Sep 2018	0.7m
BROM MAYFA	1911z	05 Sep 2018	0.6m
AHWAR	0226z	06 Sep 2018	0.5m

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

BULLETIN 11

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

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

TSUNAMI BULLETIN NUMBER 11
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 1100 UTC Wednesday 05 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: 9.3 M
Depth: 10 km
Date: 05 SEP 2018
Origin Time: 0300UTC
Latitude: 3.3 N
Longitude: 96 E
Location: NORTHERN SUMATRA, INDONESIA

2. EVALUATION

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

Sabang (INDONESIA)	5.83 N	95.33 E	0325z	05 Sep 2018	8.0m
Meulaboh (INDONESIA)	4.13 N	96.13 E	0340z	05 Sep 2018	8.0m
Telukdalam (INDONESIA)	0.55 N	97.82 E	0345z	05 Sep 2018	6.00m
23227 (INDIA)	6.25 N	88.79 E	0419z	05 Sep 2018	0.46m
23219 (INDIA)	10.5 N	89.28 E	0424z	05 Sep 2018	0.33m
Sibolga (INDONESIA)	1.73 N	98.80 E	0440z	05 Sep 2018	4.00m
Christmas Island (AUSTRALIA)	10.4 S	105.67 E	0500z	05 Sep 2018	0.75m
Nancowry (INDIA)	8.05 N	93.55 E	0515z	05 Sep 2018	5.39m
Trincommalee (SRILANKA)	8.56 N	81.20 E	0536z	05 Sep 2018	1.38m
Langkawi (MALAYSIA)	6.87 N	99.77 E	0606z	05 Sep 2018	2.61m
Cilicap (INDONESIA)	7.75 S	109.01 E	0638z	05 Sep 2018	0.5m
Diego Garcia (UK)	7.29 S	72.39 E	0655z	05 Sep 2018	1.57m
56003 (AUSTRALIA)	15.0 S	117.99 E	0700z	05 Sep 2018	0.09m
Hanimaadhoo (MALDIVE ISLANDS)	6.77 N	73.17 E	0710z	05 Sep 2018	4.13m
Minicoy (INDIA)	8.28 N	73.05 E	0710z	05 Sep 2018	0.34m
Waikelo (INDONESIA)	9.39 S	119.22 E	0810z	05 Sep 2018	0.20m
56001 (AUSTRALIA)	13.9 S	110.00 E	0840z	05 Sep 2018	0.14m
Rodrigue (MAURITIUS)	19.6 S	63.42 E	0909z	05 Sep 2018	1.62m
Kirinda (SRILANKA)	6.20 N	81.32 E	0910z	05 Sep 2018	3.50m
Agalega (MAURITIUS)	10.3 S	56.59 E	0954z	05 Sep 2018	0.53m

Chennai (INDIA)	13.1 N	80.30 E	1001z	05 Sep 2018	3.19m
Tanjung (INDONESIA)	6.48 S	105.66 E	1010z	05 Sep 2018	1.09m

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

COCOS ISLAND	0519z	05 Sep 2018	0.9m
NINGALOO COAST	0815z	05 Sep 2018	1.1m
PILBARA COAST WEST	0850z	05 Sep 2018	2.2m
GASCOYNE COAST	0852z	05 Sep 2018	1.9m
PILBARA COAST EAST	0922z	05 Sep 2018	1.9m
GERALDTON COAST	0945z	05 Sep 2018	2.3m
PERTH COAST	0957z	05 Sep 2018	1.1m
LEEUEWIN COAST	1012z	05 Sep 2018	1.3m
BUNBURY GEOGRAPHE COAST	1016z	05 Sep 2018	2.2m
WEST KIMBERLY COAST	1033z	05 Sep 2018	1.5m
LANCELIN COAST	1256z	05 Sep 2018	1.3m
HEARD ISLAND AND MCDONALD ISLANDS	1312z	05 Sep 2018	1.9m
AURORA BANK	1417z	05 Sep 2018	0.8m
NORTH KIMBERLY COAST	1740z	05 Sep 2018	0.8m
ALBANY COAST	1806z	05 Sep 2018	0.7m
EUCLA COAST	0116z	06 Sep 2018	0.7m
UPPER WEST COAST SA	0254z	06 Sep 2018	0.7m
ESPERANCE COAST	0258z	06 Sep 2018	0.6m
UPPER SOUTH EAST COAST SA	0331z	06 Sep 2018	0.6m

BANGLADESH

CHALNA	0657z	05 Sep 2018	1.4m
COXS BAZAR	0702z	05 Sep 2018	2.1m
KUTUBDIA ISLAND	0722z	05 Sep 2018	1.8m
BARGUNA	0731z	05 Sep 2018	1.8m

COMOROS

CHEZANI	1148z	05 Sep 2018	1.2m
DZAOUDZI	1403z	05 Sep 2018	0.7m

DJIBOUTI

NW ARTA	1305z	05 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1308z	05 Sep 2018	0.9m

FRANCE

ILE SAINT-PAUL-NORTH	0949z	05 Sep 2018	0.7m
ILE SAINT-PAUL-SOUTH	1005z	05 Sep 2018	1.0m
SAINT-JOSEPH	1009z	05 Sep 2018	0.6m
SAINT-DENIS	1021z	05 Sep 2018	0.6m

ILE KERGUELEN	1230z	05 Sep 2018	4.7m
NES CROZET	1246z	05 Sep 2018	0.7m
ILE DE LA POSSESSION	1248z	05 Sep 2018	1.5m
CROZET PLATEAU	1308z	05 Sep 2018	1.2m

INDIA

INDIRA POINT	0302z	05 Sep 2018	8.0m
KOMATRA & KATCHAL ISLAND	0325z	05 Sep 2018	6.7m
CAR NICOBAR	0344z	05 Sep 2018	3.8m
LITTLE ANDAMAN	0402z	05 Sep 2018	8.2m
PORT BLAIR	0407z	05 Sep 2018	4.2m
BARREN ISLAND	0411z	05 Sep 2018	1.1m
HAVELOCK	0416z	05 Sep 2018	3.5m
NORTH SENTINEL ISLAND	0422z	05 Sep 2018	3.2m
RANGATH BAY	0425z	05 Sep 2018	3.5m
NARCONDAM ISLAND	0428z	05 Sep 2018	1.1m
DIGLIPUR	0431z	05 Sep 2018	1.8m
WEST & LANDFALL ISLAND	0455z	05 Sep 2018	2.2m
FLAT ISLAND	0458z	05 Sep 2018	3.0m
MARAKKANAM	0533z	05 Sep 2018	2.5m
PUDUCHERRY	0534z	05 Sep 2018	2.8m
CUDDALORE	0535z	05 Sep 2018	2.5m
POOMBUHAR	0536z	05 Sep 2018	3.2m
ENNORE	0540z	05 Sep 2018	3.9m
MAHABALIPURAM	0541z	05 Sep 2018	5.8m
NAGAPATTINAM	0544z	05 Sep 2018	4.8m
MACHILIPATNAM	0545z	05 Sep 2018	3.5m
CHENNAI	0546z	05 Sep 2018	4.7m
SRIHARIKOTA	0546z	05 Sep 2018	3.4m
KARAIKAL	0547z	05 Sep 2018	4.8m
PERUPALEM	0549z	05 Sep 2018	2.9m
KAKINADA	0551z	05 Sep 2018	4.5m
MALLIPATTINAM	0552z	05 Sep 2018	3.1m
MUTHUPET	0552z	05 Sep 2018	3.2m
NIJAMPATTANAM	0553z	05 Sep 2018	4.8m
KOTTAPATNAM	0600z	05 Sep 2018	5.2m
VISAKHAPATNAM	0603z	05 Sep 2018	3.7m
KALINGAPATNAM	0604z	05 Sep 2018	4.5m
KONADA	0609z	05 Sep 2018	4.1m
RAMESWARAM	0612z	05 Sep 2018	1.8m
PURI	0612z	05 Sep 2018	2.3m
GOPALPUR	0613z	05 Sep 2018	4.0m
PARADIP	0615z	05 Sep 2018	2.0m
KOTTTAIPPATTANAM	0615z	05 Sep 2018	2.2m
TUTICORIN	0619z	05 Sep 2018	3.4m
KOODANKULAM	0625z	05 Sep 2018	2.8m
KANYAKUMARI	0632z	05 Sep 2018	3.8m
JAMBOO	0632z	05 Sep 2018	2.1m
TRIVANDRUM	0655z	05 Sep 2018	2.0m
QUILON	0702z	05 Sep 2018	1.4m
DHAMRA	0702z	05 Sep 2018	2.6m
ALLEPPEY ALAPPUZHA	0707z	05 Sep 2018	1.4m
HEMNAGAR	0708z	05 Sep 2018	1.9m
NAMKHANA	0711z	05 Sep 2018	2.1m
CHANDIPUR	0717z	05 Sep 2018	2.2m
DIGHA	0718z	05 Sep 2018	2.3m
KAVARATTI	0737z	05 Sep 2018	0.9m
VADANAPPALLY	0741z	05 Sep 2018	1.3m
VAKKAD	0758z	05 Sep 2018	1.5m
BEYPORE	0801z	05 Sep 2018	1.8m

AGATTI	0804z	05 Sep 2018	1.0m
KANNUR	0809z	05 Sep 2018	1.7m
MAHE	0810z	05 Sep 2018	1.3m
KASARAGOD	0820z	05 Sep 2018	2.0m
KARWAR	1016z	05 Sep 2018	1.4m
UDUPI	1019z	05 Sep 2018	1.6m
JAIGARH	1023z	05 Sep 2018	1.1m
COCHIN	1032z	05 Sep 2018	1.4m
VASCO	1304z	05 Sep 2018	1.2m
PANAJI	1317z	05 Sep 2018	1.0m
MALVAN BAY	1322z	05 Sep 2018	0.8m
MANGROL	1434z	05 Sep 2018	0.8m
PORBANDAR	1444z	05 Sep 2018	0.8m
ALIBAG PORT	1445z	05 Sep 2018	1.0m
DWARKA	1447z	05 Sep 2018	1.0m
HAZIRA, DIU	1454z	05 Sep 2018	0.9m
JAMNAGAR	1455z	05 Sep 2018	1.0m
MANGALORE	1508z	05 Sep 2018	1.7m
MUMBAI	1522z	05 Sep 2018	0.6m
AMINI	1524z	05 Sep 2018	0.6m
PIPAVAV	1645z	05 Sep 2018	0.7m
TARAPUR	1647z	05 Sep 2018	1.0m
MANDVI	1726z	05 Sep 2018	0.7m
MAHUVA	1826z	05 Sep 2018	0.9m
KHAMBAT	1837z	05 Sep 2018	0.7m
DAMAN	2123z	05 Sep 2018	1.0m
BORSI	2126z	05 Sep 2018	1.0m
HAZIRA	2128z	05 Sep 2018	0.9m
BHARUCH	2141z	05 Sep 2018	0.8m

INDONESIA

SUMUT MANDAILING-NATAL U	0302z	05 Sep 2018	5.7m
SUMUT NIAS-SELATAN P.TANABALA	0302z	05 Sep 2018	5.9m
NAD SIMEULUE P.SIMEULUE	0302z	05 Sep 2018	10.1m
NAD ACEH-SINGKIL KEP.BANYAK	0302z	05 Sep 2018	6.2m
SUMUT NIAS-SELATAN P.NIAS	0302z	05 Sep 2018	5.9m
GUNUNGSITOLI	0302z	05 Sep 2018	4.4m
MUARASIBERUT	0302z	05 Sep 2018	5.8m
NIAS	0302z	05 Sep 2018	5.3m
SAKUBO	0302z	05 Sep 2018	5.6m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0302z	05 Sep 2018	11.6m
SUMUT MANDAILING-NATAL S	0302z	05 Sep 2018	6.0m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0303z	05 Sep 2018	6.5m
NAD ACEH-SELATAN U	0303z	05 Sep 2018	9.4m
NAD KOTA-SABANG P.WEH	0303z	05 Sep 2018	7.3m
JABAR CIAMIS	0304z	05 Sep 2018	2.7m
SUMUT NIAS-SELATAN P.TANAHMASA	0304z	05 Sep 2018	4.5m
NAD ACEH-SELATAN S	0304z	05 Sep 2018	10.8m
NAD KOTA-BANDA-ACEH	0304z	05 Sep 2018	11.4m
NIAS-EAST	0304z	05 Sep 2018	7.1m
SUMBAR PADANG-PARIAMAN U	0305z	05 Sep 2018	5.7m
MURASAIBI	0305z	05 Sep 2018	8.3m
NAD ACEH-BARAT-DAYA	0305z	05 Sep 2018	9.5m
SUMUT NIAS B	0305z	05 Sep 2018	6.7m
SUMUT TAPANULI-TENGAH S	0306z	05 Sep 2018	8.1m
MUARASIGEP	0306z	05 Sep 2018	5.7m
SUMBAR KOTA-PADANG S	0307z	05 Sep 2018	4.4m
SUMBAR AGAM	0307z	05 Sep 2018	5.6m
NAD ACEH-BESAR P.BREUEH	0307z	05 Sep 2018	12.9m
NAD ACEH-JAYA	0307z	05 Sep 2018	13.5m

NAD ACEH-BARAT	0307z	05 Sep 2018	13.3m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	5.6m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	7.5m
SUMUT TAPANULI-SELATAN	0308z	05 Sep 2018	8.2m
SUMBAR PADANG-PARIAMAN S	0308z	05 Sep 2018	4.8m
JABAR TASIKMALAYA	0309z	05 Sep 2018	1.0m
NAD ACEH-BESAR P.PENASI	0309z	05 Sep 2018	12.2m
NAD NAGAN-RAYA	0310z	05 Sep 2018	17.9m
NAD ACEH-BESAR U	0311z	05 Sep 2018	5.5m
NAD ACEH-BESAR B	0311z	05 Sep 2018	14.8m
NIAS-NORTH	0312z	05 Sep 2018	4.9m
SUMBAR PESISIR-SELATAN U	0313z	05 Sep 2018	4.6m
SUMUT TAPANULI-TENGAH U	0314z	05 Sep 2018	9.6m
SOUTH OF BODAHAYIONE	0315z	05 Sep 2018	5.9m
NAD PIDIE	0316z	05 Sep 2018	2.5m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0316z	05 Sep 2018	4.2m
NAD ACEH-SINGKIL	0316z	05 Sep 2018	5.2m
JATENG CILACAP	0320z	05 Sep 2018	1.9m
SUMBAR PESISIR-SELATAN S	0324z	05 Sep 2018	4.7m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0327z	05 Sep 2018	3.3m
NAD BIREUEN	0329z	05 Sep 2018	2.2m
BENGKULU MUKOMUKO	0336z	05 Sep 2018	2.9m
SUMBAR KOTA-PARIAMAN	0336z	05 Sep 2018	5.3m
NAD ACEH-UTARA B	0339z	05 Sep 2018	1.9m
NAD KOTA-LHOKSEUMAWE	0340z	05 Sep 2018	2.3m
NAD ACEH-UTARA T	0351z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA U	0403z	05 Sep 2018	1.8m
NAD ACEH-TIMUR	0410z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA S	0420z	05 Sep 2018	3.2m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0427z	05 Sep 2018	2.5m
BENGKULU SELUMA	0436z	05 Sep 2018	1.8m
BENGKULU BENGKULU-UTARA P.ENGGANO	0445z	05 Sep 2018	1.4m
BENGKULU BENGKULU-SELATAN	0446z	05 Sep 2018	1.4m
BENGKULU KAUR	0451z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0507z	05 Sep 2018	1.2m
NAD KOTA-LANGSA	0512z	05 Sep 2018	1.7m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0514z	05 Sep 2018	1.0m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0516z	05 Sep 2018	1.3m
JATENG KEBUMEN	0517z	05 Sep 2018	1.4m
LAMPUNG TANGGAMUS B	0522z	05 Sep 2018	2.3m
BANTEN PANDEGLANG P.PANAITAN	0530z	05 Sep 2018	1.9m
NAD ACEH-TAMIAH	0533z	05 Sep 2018	2.7m
LAMPUNG TANGGAMUS T	0542z	05 Sep 2018	2.4m
LAMPUNG TANGGAMUS P.TABUAN	0545z	05 Sep 2018	1.3m
BANTEN PANDEGLANG U	0548z	05 Sep 2018	2.1m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0550z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0555z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0556z	05 Sep 2018	2.3m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0601z	05 Sep 2018	1.4m
BANTEN KOTA-CILEGON P.SANGIANG	0610z	05 Sep 2018	1.5m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0613z	05 Sep 2018	1.9m
BANTEN SERANG B	0613z	05 Sep 2018	1.6m
SUMUT LANGKAT	0616z	05 Sep 2018	1.8m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0620z	05 Sep 2018	3.0m
BANTEN KOTA-CILEGON	0627z	05 Sep 2018	2.2m
BELAWAN	0641z	05 Sep 2018	1.2m
SUMUT DELISERDANG	0649z	05 Sep 2018	1.5m
JATENG PURWOREJO	0650z	05 Sep 2018	0.9m
DIY KULON-PROGO	0654z	05 Sep 2018	1.1m
SUMUT SERDANG-BEDAGAI	0654z	05 Sep 2018	1.6m
DIY GUNUNG-KIDUL	0702z	05 Sep 2018	1.2m

SUMUT ASAHAN	0711z	05 Sep 2018	1.6m
LABUHAN BATU	0908z	05 Sep 2018	1.7m
BALI DENPASAR PANTAI-SANUR	0918z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-SELATAN B	0936z	05 Sep 2018	0.9m
BALI TABANAN	0938z	05 Sep 2018	0.8m
JABAR SUKABUMI PELABUHAN-RATU	0940z	05 Sep 2018	1.0m
JABAR SUKABUMI UJUNG-GENTENG	0947z	05 Sep 2018	1.0m
NTB SUMBAWA S	0959z	05 Sep 2018	0.9m
ROKAN HILIR	1106z	05 Sep 2018	0.9m
NTT SUMBA B	1207z	05 Sep 2018	0.8m
NTT MANGGARAI-BARAT P.	1208z	05 Sep 2018	0.9m
DUMAI	1213z	05 Sep 2018	1.0m
NTT MANGGARAI-BARAT S	1216z	05 Sep 2018	0.8m
NTT MANGGARAI S	1217z	05 Sep 2018	0.9m
JATIM JEMBER	1240z	05 Sep 2018	1.4m
JABAR GARUT	1259z	05 Sep 2018	0.9m
JABAR CIANJUR SINDANGBARANG	1303z	05 Sep 2018	0.9m
BANTEN LEBAK	1329z	05 Sep 2018	1.0m
DIY BANTUL	1331z	05 Sep 2018	0.9m
JATIM LUMAJANG	1334z	05 Sep 2018	0.9m
JATENG WONOGIRI	1340z	05 Sep 2018	0.9m
NTB LOMBOK-TENGAH	1341z	05 Sep 2018	0.8m
JATIM TRENGGALEK	1357z	05 Sep 2018	0.8m
JATIM BLITAR	1401z	05 Sep 2018	0.9m
BALI KLUNGKUNG P.NUSAPENIDA	1405z	05 Sep 2018	0.8m
NTB KOTA-BIMA S	1411z	05 Sep 2018	0.9m
NTB SUMBAWA B	1415z	05 Sep 2018	0.8m
BENGKALIS	1418z	05 Sep 2018	0.6m
NTB LOMBOK-TIMUR S	1426z	05 Sep 2018	0.9m
JATIM PACITAN	1513z	05 Sep 2018	1.0m
BANTEN PANDEGLANG S	1557z	05 Sep 2018	1.0m
JATIM MALANG	1642z	05 Sep 2018	0.8m
JATIM JEMBER P.NUSABARUNG	1649z	05 Sep 2018	1.0m
JATIM TULUNGAGUNG	2016z	05 Sep 2018	0.9m
JATIM BANYUWANGI S	2031z	05 Sep 2018	0.6m
NTT SUMBA T	2047z	05 Sep 2018	0.6m
NTB LOMBOK-BARAT S	2113z	05 Sep 2018	0.6m
NTT KUPANG	2140z	05 Sep 2018	0.8m
NTT KOTA-KUPANG	2158z	05 Sep 2018	1.0m
NTT ROTENDAO	2202z	05 Sep 2018	0.8m
NTT NGADA S	2217z	05 Sep 2018	0.8m
NTT FLORES-TIMUR S	2219z	05 Sep 2018	0.7m
NTT ENDE S	2221z	05 Sep 2018	0.6m
NTT LEMBATA S	2221z	05 Sep 2018	0.7m
NTT SIKKA S	2223z	05 Sep 2018	0.6m
NTT FLORES-TIMUR P.SOLOR	2230z	05 Sep 2018	0.7m
PANTE MACASSAR	2230z	05 Sep 2018	0.7m
BALI BADUNG PANTAI-KUTA	2318z	05 Sep 2018	0.8m
NTT ALOR S	0205z	06 Sep 2018	0.6m
NTT BELU U	0223z	06 Sep 2018	0.5m
SIAK	0253z	06 Sep 2018	0.5m

IRAN

BIR	1139z	05 Sep 2018	0.8m
MISKI	1240z	05 Sep 2018	1.7m
PUSHT	1517z	05 Sep 2018	0.8m

KENYA

KIWAYU	1139z	05 Sep 2018	1.6m
--------	-------	-------------	------

KIPINI	1146z	05 Sep 2018	1.6m
MALINDI	1152z	05 Sep 2018	1.5m
KISIMACHANDE	1212z	05 Sep 2018	2.0m
MVULENI	1233z	05 Sep 2018	1.1m
TAKAUNGU	1308z	05 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1050z	05 Sep 2018	1.5m
ANOROTSANGANA	1058z	05 Sep 2018	0.9m
TOAMASINA AIRPORT	1106z	05 Sep 2018	1.5m
TAMPOLO	1122z	05 Sep 2018	1.9m
AMBAHY	1123z	05 Sep 2018	1.6m
FARAFAGANA	1127z	05 Sep 2018	1.2m
GLORIOSO ISLANDS	1130z	05 Sep 2018	1.4m
MANANTENINA	1141z	05 Sep 2018	1.9m
SAMPONA	1223z	05 Sep 2018	1.3m
ANDROKA	1537z	05 Sep 2018	0.9m
BALY	1732z	05 Sep 2018	1.5m
TAMOTAMO	1952z	05 Sep 2018	0.8m
AMBANJA	2202z	05 Sep 2018	0.9m
MANJA	0331z	06 Sep 2018	0.7m

MALAYSIA

SATUN	0556z	05 Sep 2018	1.7m
YAN	0603z	05 Sep 2018	1.7m
WEST OF ALOR SETAR	0616z	05 Sep 2018	1.8m
SEBERANG PERAI UTARA & BARAT DAYA	0632z	05 Sep 2018	2.7m
SEBERANG PERAI SELATAN	0634z	05 Sep 2018	1.9m
KUALA MUDA	0639z	05 Sep 2018	2.7m
KERIAN	0654z	05 Sep 2018	1.8m
LARUT AND MATANG	0703z	05 Sep 2018	1.5m
MANJUNG	0717z	05 Sep 2018	2.1m
HILIR PERAK	0819z	05 Sep 2018	1.9m
SABAK BERNAM	0858z	05 Sep 2018	1.4m
KUALA SELANGOR	1029z	05 Sep 2018	1.8m
KUALA LANGAT	1101z	05 Sep 2018	1.2m
SEPANG	1218z	05 Sep 2018	1.0m
PORT DICKSON	1221z	05 Sep 2018	1.0m
MELAKA TENGAH & JASIN	1404z	05 Sep 2018	0.6m
JASIN	1427z	05 Sep 2018	0.6m
PONTIAN	1652z	05 Sep 2018	0.6m

MALDIVES

MALE	0612z	05 Sep 2018	4.2m
KOLHUFUSHI	0614z	05 Sep 2018	3.1m
DHIYAMIGILI	0616z	05 Sep 2018	4.1m
THINADHOO	0620z	05 Sep 2018	2.8m
HITHADHOO	0620z	05 Sep 2018	2.0m
KULHUDUFFUSHI	0621z	05 Sep 2018	3.4m
GOIDHOO	0629z	05 Sep 2018	2.2m
NILANDHOO	0636z	05 Sep 2018	2.4m
FERIDHOO	0637z	05 Sep 2018	2.5m

MAURITIUS

LA FERME	0852z	05 Sep 2018	2.1m
GRANDE REVIERE SUD EST-EAST	0942z	05 Sep 2018	1.5m
AGALEGA ISLAND	0953z	05 Sep 2018	0.6m

CARGADOS CARAJOS	1000z	05 Sep 2018	1.9m
GRANDE REVIERE SUD EST-WEST	1005z	05 Sep 2018	0.6m

MOZAMBIQUE

MAGANJA	1202z	05 Sep 2018	1.2m
QUITERAJO	1225z	05 Sep 2018	0.9m
MERONVI	1227z	05 Sep 2018	1.1m
NANGATA	1229z	05 Sep 2018	1.0m
PEMBA	1230z	05 Sep 2018	1.3m
LUMBO	1237z	05 Sep 2018	1.0m
TAVARI	1301z	05 Sep 2018	0.8m
MAGUEMBA	1428z	05 Sep 2018	1.3m
ZAVALA	1447z	05 Sep 2018	1.1m
XAI-XAI	1453z	05 Sep 2018	0.8m
INHARRIME	1502z	05 Sep 2018	0.9m
VILA DO CHINDE	1508z	05 Sep 2018	1.0m
MALUANA	1528z	05 Sep 2018	1.2m
MAIONGUE	1532z	05 Sep 2018	0.7m
AMADE	1807z	05 Sep 2018	0.6m
MINHAUINE	1852z	05 Sep 2018	0.6m
MOGINCUAL	1947z	05 Sep 2018	0.8m
MAPUTO	1959z	05 Sep 2018	0.8m
OCONE	2118z	05 Sep 2018	1.1m
MOEBASE	2213z	05 Sep 2018	0.8m
NOVA LUSITANIA	2217z	05 Sep 2018	0.8m
NHANGAU	2239z	05 Sep 2018	1.0m
INHASSORO	2250z	05 Sep 2018	0.6m
LURIO	0210z	06 Sep 2018	0.6m

MYANMAR

THAN KYUN	0434z	05 Sep 2018	2.6m
LORD LOUGHBOROUGH ISLAND	0435z	05 Sep 2018	3.0m
GREAT WESTERN TORRES ISLAND	0441z	05 Sep 2018	3.1m
LITTLE COCO ISLAND	0450z	05 Sep 2018	1.6m
PREPARIS ISLAND	0502z	05 Sep 2018	1.3m
KYWEGYAUNG	0553z	05 Sep 2018	2.5m
MALI KYUN	0558z	05 Sep 2018	1.9m
PHARPON	0604z	05 Sep 2018	2.4m
CHEDUBA ISLAND	0605z	05 Sep 2018	2.3m
MAGYIGYAING	0606z	05 Sep 2018	2.6m
MAWYEN	0609z	05 Sep 2018	2.4m
YANGON-S	0628z	05 Sep 2018	2.0m
SITTWE	0630z	05 Sep 2018	1.7m
YE	0633z	05 Sep 2018	1.5m
KYAUKPYU	0634z	05 Sep 2018	2.1m
THAWINCHAUNG	0636z	05 Sep 2018	1.6m

OMAN

SALALAH	1035z	05 Sep 2018	1.6m
HASIK	1038z	05 Sep 2018	1.4m
AD DUQM	1057z	05 Sep 2018	1.1m
MIRBAT	1141z	05 Sep 2018	0.7m
SOHAR	1157z	05 Sep 2018	0.6m
AL ASHKHARAH	1204z	05 Sep 2018	0.7m
TAQAH	1207z	05 Sep 2018	0.7m
EAST MUSANDAM	1218z	05 Sep 2018	1.2m
AL JAZER	1500z	05 Sep 2018	0.9m
SUR	1538z	05 Sep 2018	0.7m

RAS AR RUWAYS	1545z	05 Sep 2018	1.0m
MASIRAH	1623z	05 Sep 2018	0.8m
QURAYYAT	1851z	05 Sep 2018	0.8m
BARKA	1856z	05 Sep 2018	0.5m
MUSCAT	1923z	05 Sep 2018	0.6m

PAKISTAN

ORMARA	1427z	05 Sep 2018	0.9m
WINDER	1448z	05 Sep 2018	1.4m
KARACHI	1511z	05 Sep 2018	1.0m
SINDH	1726z	05 Sep 2018	0.9m

SEYCHELLES

FREGATE ISLAND	0924z	05 Sep 2018	1.9m
COETIVY ISLAND	0941z	05 Sep 2018	0.6m
TAKAMAKA	1034z	05 Sep 2018	2.1m
ILE DESROCHES	1652z	05 Sep 2018	0.5m
FARQUHAR GROUP	1745z	05 Sep 2018	0.5m

SOMALIA

BANDER-BEYLA	1013z	05 Sep 2018	2.8m
TOOXIN	1021z	05 Sep 2018	4.1m
EYL	1021z	05 Sep 2018	2.0m
GALDOGOB	1023z	05 Sep 2018	2.2m
JARIIBAN	1024z	05 Sep 2018	1.4m
ITALA	1032z	05 Sep 2018	1.2m
CEEL DHEER	1032z	05 Sep 2018	2.0m
MAREEG	1032z	05 Sep 2018	1.8m
XARARDHEERE	1034z	05 Sep 2018	2.0m
UARSCIECH	1035z	05 Sep 2018	1.1m
MUQDISHO	1041z	05 Sep 2018	1.5m
ABO	1055z	05 Sep 2018	2.5m
BARAAWE	1056z	05 Sep 2018	1.4m
JILIB	1100z	05 Sep 2018	1.1m
NE BEERNAASI	1108z	05 Sep 2018	1.6m
KAAMBOONI	1115z	05 Sep 2018	1.2m
BEYNAX BARRE	1129z	05 Sep 2018	0.7m
TURDHO	1154z	05 Sep 2018	0.6m
SAYLAC	1302z	05 Sep 2018	0.6m
BAKI	1303z	05 Sep 2018	0.6m
LOYADO	1303z	05 Sep 2018	0.8m
QANDALA	1941z	05 Sep 2018	0.7m

SOUTH AFRICA

LAKE SIBAYI	1422z	05 Sep 2018	1.1m
KOSIMEER	1426z	05 Sep 2018	0.9m
MANDI	1439z	05 Sep 2018	1.2m
FUNK SEAMOUNT	1453z	05 Sep 2018	1.3m
ABORETUM	1459z	05 Sep 2018	0.8m
BIZANA	1506z	05 Sep 2018	0.9m
LUSIKISIKI	1507z	05 Sep 2018	0.7m
KENTANI	1510z	05 Sep 2018	0.8m
WILLOWVALE	1512z	05 Sep 2018	0.8m
KAYSERS BEACH	1516z	05 Sep 2018	1.0m
MARSHSTRAND	1518z	05 Sep 2018	1.0m
GWABALANDA HITAWI	1520z	05 Sep 2018	0.6m
ZIKHOVA	1522z	05 Sep 2018	0.7m

PEDDIE	1530z	05 Sep 2018	0.8m
ALEXANDRIA	1624z	05 Sep 2018	0.8m
PORT DURNFORD	1717z	05 Sep 2018	0.9m
MOSSEL	1724z	05 Sep 2018	1.5m
MARGATE	1737z	05 Sep 2018	0.9m
PORT ELIZABETH	1824z	05 Sep 2018	1.1m
PORT ST JOHNS	1840z	05 Sep 2018	1.1m
BATHURST	1931z	05 Sep 2018	0.8m
GEORGE	2016z	05 Sep 2018	0.8m
HUMANSDORP	2032z	05 Sep 2018	0.9m
HEIDELBERG	2111z	05 Sep 2018	0.8m
WITAAND	2119z	05 Sep 2018	0.8m
BREDASDORP	2138z	05 Sep 2018	1.0m
ELLIOTDALE	2151z	05 Sep 2018	0.6m
GAMTOOS	2154z	05 Sep 2018	0.7m
HANKEY	0318z	06 Sep 2018	0.7m

SRI LANKA

OKANDA	0453z	05 Sep 2018	2.4m
AKKARAIPATTU	0453z	05 Sep 2018	2.7m
KIRINDA	0456z	05 Sep 2018	3.2m
BATTICALOA	0456z	05 Sep 2018	3.0m
POTTUVIL	0458z	05 Sep 2018	2.0m
ANAITIVU	0502z	05 Sep 2018	2.4m
KATTANKUDI	0505z	05 Sep 2018	2.9m
MATARA	0506z	05 Sep 2018	2.4m
PANKULAM	0506z	05 Sep 2018	2.4m
TANGALLE	0508z	05 Sep 2018	2.3m
HAMBANTOTA	0512z	05 Sep 2018	3.5m
MULLAITTIVU	0515z	05 Sep 2018	2.1m
GALLE	0517z	05 Sep 2018	2.4m
AMBALANGODA	0521z	05 Sep 2018	2.3m
CHUNDIKKULAM	0532z	05 Sep 2018	4.7m
BERUWALA	0539z	05 Sep 2018	1.8m
CHAVAKACHCHERI	0544z	05 Sep 2018	2.8m
COLOMBO	0544z	05 Sep 2018	2.2m
MORATUWA	0547z	05 Sep 2018	1.7m
POINT PEDRO	0549z	05 Sep 2018	2.5m
MUNDAL LAKE	0604z	05 Sep 2018	1.6m
NEGOMBO	0605z	05 Sep 2018	1.3m
MANNAR ISLAND	0609z	05 Sep 2018	1.8m
MUSALI	0621z	05 Sep 2018	1.4m

TANZANIA

JIMBO	1158z	05 Sep 2018	1.7m
VUMBI	1159z	05 Sep 2018	1.3m
VUMBA	1203z	05 Sep 2018	1.3m
KUTANI	1203z	05 Sep 2018	1.0m
SONGO SONGO ISLAND	1203z	05 Sep 2018	1.3m
ZANZIBAR	1203z	05 Sep 2018	1.2m
RUUU	1203z	05 Sep 2018	1.6m
MSASANI	1214z	05 Sep 2018	1.4m
BAGAMOYO	1223z	05 Sep 2018	1.7m
WEST TO KONDE	1223z	05 Sep 2018	1.7m
MADANGWA	1225z	05 Sep 2018	0.9m
BOMALANDNI	1230z	05 Sep 2018	1.3m
GAZIJA	1231z	05 Sep 2018	0.8m

THAILAND

THAI MUEANG	0410z	05 Sep 2018	3.2m
KO RACHA NOI	0413z	05 Sep 2018	3.7m
KOH SURIN TAI	0431z	05 Sep 2018	3.5m
THAI MUEANG TAKUA PA	0450z	05 Sep 2018	3.5m
KOH LANTA YAI	0450z	05 Sep 2018	2.4m
KOH ROK	0454z	05 Sep 2018	1.9m
MUEANG SATUN	0459z	05 Sep 2018	2.2m
KOH TARUTAO	0548z	05 Sep 2018	3.2m
TIMOR-LESTE			

PANTE MACASSAR	2225z	05 Sep 2018	0.7m
UNITED ARAB EMIRATES			

KALBA	1159z	05 Sep 2018	1.3m
UNITED KINGDOM			

MORESBY ISLAND	0636z	05 Sep 2018	4.8m
DIEGO GARCIA	0641z	05 Sep 2018	2.0m
NW EGMONT ISLAND	0703z	05 Sep 2018	1.1m
YEMEN			

SOCOTRA ISLAND SOUTH	1009z	05 Sep 2018	1.9m
SOCOTRA ISLAND WEST	1032z	05 Sep 2018	0.9m
SOCOTRA ISLAND NORTH	1037z	05 Sep 2018	1.3m
DAMQAWT	1040z	05 Sep 2018	1.2m
AL GHAYDAH AIRPORT	1044z	05 Sep 2018	1.6m
HUSWAYN	1103z	05 Sep 2018	1.5m
ALQUMRAH	1116z	05 Sep 2018	1.2m
HARRAH	1118z	05 Sep 2018	1.2m
EAST TO HAMI	1121z	05 Sep 2018	0.9m
HAMI	1130z	05 Sep 2018	0.9m
AL MUKALLA	1142z	05 Sep 2018	1.5m
KHANFAR	1229z	05 Sep 2018	0.9m
ADEN	1235z	05 Sep 2018	0.8m
MASILAH WADI	1240z	05 Sep 2018	0.9m
MAALLAH	1248z	05 Sep 2018	1.3m
QAWAH	1300z	05 Sep 2018	0.8m
AL MUALLA	1329z	05 Sep 2018	0.8m
RUDUM	1514z	05 Sep 2018	0.7m
BROM MAYFA	1911z	05 Sep 2018	0.6m
AHWAR	0226z	06 Sep 2018	0.5m

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 12

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

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

TSUNAMI BULLETIN NUMBER 12
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 1200 UTC Wednesday 05 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: 9.3 M
Depth: 10 km
Date: 05 SEP 2018
Origin Time: 0300UTC
Latitude: 3.3 N
Longitude: 96 E
Location: NORTHERN SUMATRA, INDONESIA

2. EVALUATION

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

Sabang (INDONESIA)	5.83 N	95.33 E	0325z	05 Sep 2018	8.0m
Meulaboh (INDONESIA)	4.13 N	96.13 E	0340z	05 Sep 2018	8.0m
Telukdalam (INDONESIA)	0.55 N	97.82 E	0345z	05 Sep 2018	6.00m
23227 (INDIA)	6.25 N	88.79 E	0419z	05 Sep 2018	0.46m
23219 (INDIA)	10.5 N	89.28 E	0424z	05 Sep 2018	0.33m
Sibolga (INDONESIA)	1.73 N	98.80 E	0440z	05 Sep 2018	4.00m
Christmas Island (AUSTRALIA)	10.4 S	105.67 E	0500z	05 Sep 2018	0.75m
Nancowry (INDIA)	8.05 N	93.55 E	0515z	05 Sep 2018	5.39m
Trincommalee (SRILANKA)	8.56 N	81.20 E	0536z	05 Sep 2018	1.38m
Langkawi (MALAYSIA)	6.87 N	99.77 E	0606z	05 Sep 2018	2.61m
Cilicap (INDONESIA)	7.75 S	109.01 E	0638z	05 Sep 2018	0.5m
Diego Garcia (UK)	7.29 S	72.39 E	0655z	05 Sep 2018	1.57m
56003 (AUSTRALIA)	15.0 S	117.99 E	0700z	05 Sep 2018	0.09m
Hanimaadhoo (MALDIVE ISLANDS)	6.77 N	73.17 E	0710z	05 Sep 2018	4.13m
Minicoy (INDIA)	8.28 N	73.05 E	0710z	05 Sep 2018	0.34m
Waikelo (INDONESIA)	9.39 S	119.22 E	0810z	05 Sep 2018	0.20m
56001 (AUSTRALIA)	13.9 S	110.00 E	0840z	05 Sep 2018	0.14m
Rodrigue (MAURITIUS)	19.6 S	63.42 E	0909z	05 Sep 2018	1.62m
Kirinda (SRILANKA)	6.20 N	81.32 E	0910z	05 Sep 2018	3.50m
Agalega (MAURITIUS)	10.3 S	56.59 E	0954z	05 Sep 2018	0.53m

Chennai (INDIA)	13.1 N	80.30 E	1001z	05 Sep 2018	3.19m
Tanjung (INDONESIA)	6.48 S	105.66 E	1010z	05 Sep 2018	1.09m
Chabahar (IRAN)	25.3 N	60.60 E	1110z	05 Sep 2018	0.42m
Cochin (INDIA)	9.97 N	76.27 E	1112z	05 Sep 2018	1.19m
Muscat (OMAN)	23.6 N	58.57 E	1118z	05 Sep 2018	0.32m

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

COCOS ISLAND	0519z	05 Sep 2018	0.9m
NINGALOO COAST	0815z	05 Sep 2018	1.1m
PILBARA COAST WEST	0850z	05 Sep 2018	2.2m
GASCOYNE COAST	0852z	05 Sep 2018	1.9m
PILBARA COAST EAST	0922z	05 Sep 2018	1.9m
GERALDTON COAST	0945z	05 Sep 2018	2.3m
PERTH COAST	0957z	05 Sep 2018	1.1m
LEEUEWIN COAST	1012z	05 Sep 2018	1.3m
BUNBURY GEOGRAPHE COAST	1016z	05 Sep 2018	2.2m
WEST KIMBERLY COAST	1033z	05 Sep 2018	1.5m
LANCELIN COAST	1256z	05 Sep 2018	1.3m
HEARD ISLAND AND MCDONALD ISLANDS	1312z	05 Sep 2018	1.9m
AURORA BANK	1417z	05 Sep 2018	0.8m
NORTH KIMBERLY COAST	1740z	05 Sep 2018	0.8m
ALBANY COAST	1806z	05 Sep 2018	0.7m
EUCLA COAST	0116z	06 Sep 2018	0.7m
UPPER WEST COAST SA	0254z	06 Sep 2018	0.7m
ESPERANCE COAST	0258z	06 Sep 2018	0.6m
UPPER SOUTH EAST COAST SA	0331z	06 Sep 2018	0.6m

BANGLADESH

CHALNA	0657z	05 Sep 2018	1.4m
COXS BAZAR	0702z	05 Sep 2018	2.1m
KUTUBDIA ISLAND	0722z	05 Sep 2018	1.8m
BARGUNA	0731z	05 Sep 2018	1.8m

COMOROS

CHEZANI	1148z	05 Sep 2018	1.2m
DZAOUDZI	1403z	05 Sep 2018	0.7m

DJIBOUTI

NW ARTA	1305z	05 Sep 2018	1.7m
MUHAMMAD ALI BIN FATHA SUMANA	1308z	05 Sep 2018	0.9m

FRANCE

ILE SAINT-PAUL-NORTH	0949z	05 Sep 2018	0.7m
----------------------	-------	-------------	------

ILE SAINT-PAUL-SOUTH	1005z	05 Sep 2018	1.0m
SAINT-JOSEPH	1009z	05 Sep 2018	0.6m
SAINT-DENIS	1021z	05 Sep 2018	0.6m
ILE KERGUELEN	1230z	05 Sep 2018	4.7m
NES CROZET	1246z	05 Sep 2018	0.7m
ILE DE LA POSSESSION	1248z	05 Sep 2018	1.5m
CROZET PLATEAU	1308z	05 Sep 2018	1.2m

INDIA

INDIRA POINT	0302z	05 Sep 2018	8.0m
KOMATRA & KATCHAL ISLAND	0325z	05 Sep 2018	6.7m
CAR NICOBAR	0344z	05 Sep 2018	3.8m
LITTLE ANDAMAN	0402z	05 Sep 2018	8.2m
PORT BLAIR	0407z	05 Sep 2018	4.2m
BARREN ISLAND	0411z	05 Sep 2018	1.1m
HAVELOCK	0416z	05 Sep 2018	3.5m
NORTH SENTINEL ISLAND	0422z	05 Sep 2018	3.2m
RANGATH BAY	0425z	05 Sep 2018	3.5m
NARCONDAM ISLAND	0428z	05 Sep 2018	1.1m
DIGLIPUR	0431z	05 Sep 2018	1.8m
WEST & LANDFALL ISLAND	0455z	05 Sep 2018	2.2m
FLAT ISLAND	0458z	05 Sep 2018	3.0m
MARAKKANAM	0533z	05 Sep 2018	2.5m
PUDUCHERRY	0534z	05 Sep 2018	2.8m
CUDDALORE	0535z	05 Sep 2018	2.5m
POOMBUHAR	0536z	05 Sep 2018	3.2m
ENNORE	0540z	05 Sep 2018	3.9m
MAHABALIPURAM	0541z	05 Sep 2018	5.8m
NAGAPATTINAM	0544z	05 Sep 2018	4.8m
MACHILIPATNAM	0545z	05 Sep 2018	3.5m
SRIHARIKOTA	0546z	05 Sep 2018	3.4m
CHENNAI	0546z	05 Sep 2018	4.7m
KARAIKAL	0547z	05 Sep 2018	4.8m
PERUPALEM	0549z	05 Sep 2018	2.9m
KAKINADA	0551z	05 Sep 2018	4.5m
MALLIPATTINAM	0552z	05 Sep 2018	3.1m
MUTHUPET	0552z	05 Sep 2018	3.2m
NIJAMPATTANAM	0553z	05 Sep 2018	4.8m
KOTTAPATNAM	0600z	05 Sep 2018	5.2m
VISAKHAPATNAM	0603z	05 Sep 2018	3.7m
KALINGAPATNAM	0604z	05 Sep 2018	4.5m
KONADA	0609z	05 Sep 2018	4.1m
RAMESWARAM	0612z	05 Sep 2018	1.8m
PURI	0612z	05 Sep 2018	2.3m
GOPALPUR	0613z	05 Sep 2018	4.0m
KOTTTAIPPATTANAM	0615z	05 Sep 2018	2.2m
PARADIP	0615z	05 Sep 2018	2.0m
TUTICORIN	0619z	05 Sep 2018	3.4m
KOODANKULAM	0625z	05 Sep 2018	2.8m
KANYAKUMARI	0632z	05 Sep 2018	3.8m
JAMBOO	0632z	05 Sep 2018	2.1m
TRIVANDRUM	0655z	05 Sep 2018	2.0m
QUILON	0702z	05 Sep 2018	1.4m
DHAMRA	0702z	05 Sep 2018	2.6m
ALLEPPEY ALAPPUZHA	0707z	05 Sep 2018	1.4m
HEMNAGAR	0708z	05 Sep 2018	1.9m
NAMKHANA	0711z	05 Sep 2018	2.1m
CHANDIPUR	0717z	05 Sep 2018	2.2m
DIGHA	0718z	05 Sep 2018	2.3m
KAVARATTI	0737z	05 Sep 2018	0.9m

VADANAPPALLY	0741z	05 Sep 2018	1.3m
VAKKAD	0758z	05 Sep 2018	1.5m
BEYPORE	0801z	05 Sep 2018	1.8m
AGATTI	0804z	05 Sep 2018	1.0m
KANNUR	0809z	05 Sep 2018	1.7m
MAHE	0810z	05 Sep 2018	1.3m
KASARAGOD	0820z	05 Sep 2018	2.0m
KARWAR	1016z	05 Sep 2018	1.4m
UDUPI	1019z	05 Sep 2018	1.6m
JAIGARH	1023z	05 Sep 2018	1.1m
COCHIN	1032z	05 Sep 2018	1.4m
VASCO	1304z	05 Sep 2018	1.2m
PANAJI	1317z	05 Sep 2018	1.0m
MALVAN BAY	1322z	05 Sep 2018	0.8m
MANGROL	1434z	05 Sep 2018	0.8m
PORBANDAR	1444z	05 Sep 2018	0.8m
ALIBAG PORT	1445z	05 Sep 2018	1.0m
DWARKA	1447z	05 Sep 2018	1.0m
HAZIRA, DIU	1454z	05 Sep 2018	0.9m
JAMNAGAR	1455z	05 Sep 2018	1.0m
MANGALORE	1508z	05 Sep 2018	1.7m
MUMBAI	1522z	05 Sep 2018	0.6m
AMINI	1524z	05 Sep 2018	0.6m
PIPAVAV	1645z	05 Sep 2018	0.7m
TARAPUR	1647z	05 Sep 2018	1.0m
MANDVI	1726z	05 Sep 2018	0.7m
MAHUVA	1826z	05 Sep 2018	0.9m
KHAMBAT	1837z	05 Sep 2018	0.7m
DAMAN	2123z	05 Sep 2018	1.0m
BORSI	2126z	05 Sep 2018	1.0m
HAZIRA	2128z	05 Sep 2018	0.9m
BHARUCH	2141z	05 Sep 2018	0.8m
INDONESIA			

SUMUT MANDAILING-NATAL U	0302z	05 Sep 2018	5.7m
SUMUT NIAS-SELATAN P.TANABALA	0302z	05 Sep 2018	5.9m
NAD SIMEULUE P.SIMEULUE	0302z	05 Sep 2018	10.1m
NAD ACEH-SINGKIL KEP.BANYAK	0302z	05 Sep 2018	6.2m
SUMUT NIAS-SELATAN P.NIAS	0302z	05 Sep 2018	5.9m
NIAS	0302z	05 Sep 2018	5.3m
MUARASIBERUT	0302z	05 Sep 2018	5.8m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0302z	05 Sep 2018	11.6m
SUMUT MANDAILING-NATAL S	0302z	05 Sep 2018	6.0m
SAKUBO	0302z	05 Sep 2018	5.6m
GUNUNGSITOLI	0302z	05 Sep 2018	4.4m
NAD ACEH-SELATAN U	0303z	05 Sep 2018	9.4m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0303z	05 Sep 2018	6.5m
NAD KOTA-SABANG P.WEH	0303z	05 Sep 2018	7.3m
SUMUT NIAS-SELATAN P.TANAHMASA	0304z	05 Sep 2018	4.5m
NAD ACEH-SELATAN S	0304z	05 Sep 2018	10.8m
NAD KOTA-BANDA-ACEH	0304z	05 Sep 2018	11.4m
NIAS-EAST	0304z	05 Sep 2018	7.1m
JABAR CIAMIS	0304z	05 Sep 2018	2.7m
SUMUT NIAS B	0305z	05 Sep 2018	6.7m
SUMBAR PADANG-PARIAMAN U	0305z	05 Sep 2018	5.7m
NAD ACEH-BARAT-DAYA	0305z	05 Sep 2018	9.5m
MURASAIBI	0305z	05 Sep 2018	8.3m
SUMUT TAPANULI-TENGAH S	0306z	05 Sep 2018	8.1m
MUARASIGEP	0306z	05 Sep 2018	5.7m
NAD ACEH-BARAT	0307z	05 Sep 2018	13.3m

NAD ACEH-JAYA	0307z	05 Sep 2018	13.5m
NAD ACEH-BESAR P.BREUEH	0307z	05 Sep 2018	12.9m
SUMBAR AGAM	0307z	05 Sep 2018	5.6m
SUMBAR KOTA-PADANG S	0307z	05 Sep 2018	4.4m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	5.6m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	7.5m
SUMUT TAPANULI-SELATAN	0308z	05 Sep 2018	8.2m
SUMBAR PADANG-PARIAMAN S	0308z	05 Sep 2018	4.8m
JABAR TASIKMALAYA	0309z	05 Sep 2018	1.0m
NAD ACEH-BESAR P.PENASI	0309z	05 Sep 2018	12.2m
NAD NAGAN-RAYA	0310z	05 Sep 2018	17.9m
NAD ACEH-BESAR U	0311z	05 Sep 2018	5.5m
NAD ACEH-BESAR B	0311z	05 Sep 2018	14.8m
NIAS-NORTH	0312z	05 Sep 2018	4.9m
SUMBAR PESISIR-SELATAN U	0313z	05 Sep 2018	4.6m
SUMUT TAPANULI-TENGAH U	0314z	05 Sep 2018	9.6m
SOUTH OF BODAHAYIONE	0315z	05 Sep 2018	5.9m
NAD ACEH-SINGKIL	0316z	05 Sep 2018	5.2m
NAD PIDIE	0316z	05 Sep 2018	2.5m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0316z	05 Sep 2018	4.2m
JATENG CILACAP	0320z	05 Sep 2018	1.9m
SUMBAR PESISIR-SELATAN S	0324z	05 Sep 2018	4.7m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0327z	05 Sep 2018	3.3m
NAD BIREUEN	0329z	05 Sep 2018	2.2m
BENGKULU MUKOMUKO	0336z	05 Sep 2018	2.9m
SUMBAR KOTA-PARIAMAN	0336z	05 Sep 2018	5.3m
NAD ACEH-UTARA B	0339z	05 Sep 2018	1.9m
NAD KOTA-LHOKSEUMAWE	0340z	05 Sep 2018	2.3m
NAD ACEH-UTARA T	0351z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA U	0403z	05 Sep 2018	1.8m
NAD ACEH-TIMUR	0410z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA S	0420z	05 Sep 2018	3.2m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0427z	05 Sep 2018	2.5m
BENGKULU SELUMA	0436z	05 Sep 2018	1.8m
BENGKULU BENGKULU-UTARA P.ENGGANO	0445z	05 Sep 2018	1.4m
BENGKULU BENGKULU-SELATAN	0446z	05 Sep 2018	1.4m
BENGKULU KAUR	0451z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0507z	05 Sep 2018	1.2m
NAD KOTA-LANGSA	0512z	05 Sep 2018	1.7m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0514z	05 Sep 2018	1.0m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0516z	05 Sep 2018	1.3m
JATENG KEBUMEN	0517z	05 Sep 2018	1.4m
LAMPUNG TANGGAMUS B	0522z	05 Sep 2018	2.3m
BANTEN PANDEGLANG P.PANAITAN	0530z	05 Sep 2018	1.9m
NAD ACEH-TAMIAANG	0533z	05 Sep 2018	2.7m
LAMPUNG TANGGAMUS T	0542z	05 Sep 2018	2.4m
LAMPUNG TANGGAMUS P.TABUAN	0545z	05 Sep 2018	1.3m
BANTEN PANDEGLANG U	0548z	05 Sep 2018	2.1m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0550z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0555z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0556z	05 Sep 2018	2.3m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0601z	05 Sep 2018	1.4m
BANTEN KOTA-CILEGON P.SANGIANG	0610z	05 Sep 2018	1.5m
BANTEN SERANG B	0613z	05 Sep 2018	1.6m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0613z	05 Sep 2018	1.9m
SUMUT LANGKAT	0616z	05 Sep 2018	1.8m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0620z	05 Sep 2018	3.0m
BANTEN KOTA-CILEGON	0627z	05 Sep 2018	2.2m
BELAWAN	0641z	05 Sep 2018	1.2m
SUMUT DELISERDANG	0649z	05 Sep 2018	1.5m
JATENG PURWOREJO	0650z	05 Sep 2018	0.9m

DIY KULON-PROGO	0654z	05 Sep 2018	1.1m
SUMUT SERDANG-BEDAGAI	0654z	05 Sep 2018	1.6m
DIY GUNUNG-KIDUL	0702z	05 Sep 2018	1.2m
SUMUT ASAHAN	0711z	05 Sep 2018	1.6m
LABUHAN BATU	0908z	05 Sep 2018	1.7m
BALI DENPASAR PANTAI-SANUR	0918z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-SELATAN B	0936z	05 Sep 2018	0.9m
BALI TABANAN	0938z	05 Sep 2018	0.8m
JABAR SUKABUMI PELABUHAN-RATU	0940z	05 Sep 2018	1.0m
JABAR SUKABUMI UJUNG-GENTENG	0947z	05 Sep 2018	1.0m
NTB SUMBAWA S	0959z	05 Sep 2018	0.9m
ROKAN HILIR	1106z	05 Sep 2018	0.9m
NTT SUMBA B	1207z	05 Sep 2018	0.8m
NTT MANGGARAI-BARAT P.	1208z	05 Sep 2018	0.9m
DUMAI	1213z	05 Sep 2018	1.0m
NTT MANGGARAI-BARAT S	1216z	05 Sep 2018	0.8m
NTT MANGGARAI S	1217z	05 Sep 2018	0.9m
JATIM JEMBER	1240z	05 Sep 2018	1.4m
JABAR GARUT	1259z	05 Sep 2018	0.9m
JABAR CIANJUR SINDANGBARANG	1303z	05 Sep 2018	0.9m
BANTEN LEBAK	1329z	05 Sep 2018	1.0m
DIY BANTUL	1331z	05 Sep 2018	0.9m
JATIM LUMAJANG	1334z	05 Sep 2018	0.9m
JATENG WONOGIRI	1340z	05 Sep 2018	0.9m
NTB LOMBOK-TENGAH	1341z	05 Sep 2018	0.8m
JATIM TRENGGALEK	1357z	05 Sep 2018	0.8m
JATIM BLITAR	1401z	05 Sep 2018	0.9m
BALI KLUNGKUNG P.NUSAPENIDA	1405z	05 Sep 2018	0.8m
NTB KOTA-BIMA S	1411z	05 Sep 2018	0.9m
NTB SUMBAWA B	1415z	05 Sep 2018	0.8m
BENGKALIS	1418z	05 Sep 2018	0.6m
NTB LOMBOK-TIMUR S	1426z	05 Sep 2018	0.9m
JATIM PACITAN	1513z	05 Sep 2018	1.0m
BANTEN PANDEGLANG S	1557z	05 Sep 2018	1.0m
JATIM MALANG	1642z	05 Sep 2018	0.8m
JATIM JEMBER P.NUSABARUNG	1649z	05 Sep 2018	1.0m
JATIM TULUNGAGUNG	2016z	05 Sep 2018	0.9m
JATIM BANYUWANGI S	2031z	05 Sep 2018	0.6m
NTT SUMBA T	2047z	05 Sep 2018	0.6m
NTB LOMBOK-BARAT S	2113z	05 Sep 2018	0.6m
NTT KUPANG	2140z	05 Sep 2018	0.8m
NTT KOTA-KUPANG	2158z	05 Sep 2018	1.0m
NTT ROTENDAO	2202z	05 Sep 2018	0.8m
NTT NGADA S	2217z	05 Sep 2018	0.8m
NTT FLORES-TIMUR S	2219z	05 Sep 2018	0.7m
NTT LEMBATA S	2221z	05 Sep 2018	0.7m
NTT ENDE S	2221z	05 Sep 2018	0.6m
NTT SIKKA S	2223z	05 Sep 2018	0.6m
PANTE MACASSAR	2230z	05 Sep 2018	0.7m
NTT FLORES-TIMUR P.SOLOR	2230z	05 Sep 2018	0.7m
BALI BADUNG PANTAI-KUTA	2318z	05 Sep 2018	0.8m
NTT ALOR S	0205z	06 Sep 2018	0.6m
NTT BELU U	0223z	06 Sep 2018	0.5m
SIAK	0253z	06 Sep 2018	0.5m

IRAN

BIR	1139z	05 Sep 2018	0.8m
MISKI	1240z	05 Sep 2018	1.7m
PUSHT	1517z	05 Sep 2018	0.8m

KENYA

KIWAYU	1139z	05 Sep 2018	1.6m	
KIPINI	1146z	05 Sep 2018	1.6m	
MALINDI	1152z	05 Sep 2018	1.5m	
KISIMACHANDE	1212z	05 Sep 2018	2.0m	
MVULENI	1233z	05 Sep 2018	1.1m	
TAKAUNGU	1308z	05 Sep 2018	0.7m	

MADAGASCAR

VOHEMAR	1050z	05 Sep 2018	1.5m	
ANOROTSANGANA	1058z	05 Sep 2018	0.9m	
TOAMASINA AIRPORT	1106z	05 Sep 2018	1.5m	
TAMPOLO	1122z	05 Sep 2018	1.9m	
AMBAHY	1123z	05 Sep 2018	1.6m	
FARAFAGANA	1127z	05 Sep 2018	1.2m	
GLORIOSO ISLANDS	1130z	05 Sep 2018	1.4m	
MANANTENINA	1141z	05 Sep 2018	1.9m	
SAMPONA	1223z	05 Sep 2018	1.3m	
ANDROKA	1537z	05 Sep 2018	0.9m	
BALY	1732z	05 Sep 2018	1.5m	
TAMOTAMO	1952z	05 Sep 2018	0.8m	
AMBANJA	2202z	05 Sep 2018	0.9m	
MANJA	0331z	06 Sep 2018	0.7m	

MALAYSIA

SATUN	0556z	05 Sep 2018	1.7m	
YAN	0603z	05 Sep 2018	1.7m	
WEST OF ALOR SETAR	0616z	05 Sep 2018	1.8m	
SEBERANG PERAI UTARA & BARAT DAYA	0632z	05 Sep 2018	2.7m	
SEBERANG PERAI SELATAN	0634z	05 Sep 2018	1.9m	
KUALA MUDA	0639z	05 Sep 2018	2.7m	
KERIAN	0654z	05 Sep 2018	1.8m	
LARUT AND MATANG	0703z	05 Sep 2018	1.5m	
MANJUNG	0717z	05 Sep 2018	2.1m	
HILIR PERAK	0819z	05 Sep 2018	1.9m	
SABAK BERNAM	0858z	05 Sep 2018	1.4m	
KUALA SELANGOR	1029z	05 Sep 2018	1.8m	
KUALA LANGAT	1101z	05 Sep 2018	1.2m	
SEPANG	1218z	05 Sep 2018	1.0m	
PORT DICKSON	1221z	05 Sep 2018	1.0m	
MELAKA TENGAH & JASIN	1404z	05 Sep 2018	0.6m	
JASIN	1427z	05 Sep 2018	0.6m	
PONTIAN	1652z	05 Sep 2018	0.6m	

MALDIVES

MALE	0612z	05 Sep 2018	4.2m	
KOLHUFUSHI	0614z	05 Sep 2018	3.1m	
DHIYAMIGILI	0616z	05 Sep 2018	4.1m	
HITHADHOO	0620z	05 Sep 2018	2.0m	
THINADHOO	0620z	05 Sep 2018	2.8m	
KULHUDUFFUSHI	0621z	05 Sep 2018	3.4m	
GOIDHOO	0629z	05 Sep 2018	2.2m	
NILANDHOO	0636z	05 Sep 2018	2.4m	
FERIDHOO	0637z	05 Sep 2018	2.5m	

MAURITIUS

LA FERME	0852z	05 Sep 2018	2.1m
GRANDE REVIERE SUD EST-EAST	0942z	05 Sep 2018	1.5m
AGALEGA ISLAND	0953z	05 Sep 2018	0.6m
CARGADOS CARAJOS	1000z	05 Sep 2018	1.9m
GRANDE REVIERE SUD EST-WEST	1005z	05 Sep 2018	0.6m

MOZAMBIQUE

MAGANJA	1202z	05 Sep 2018	1.2m
QUITERAJÓ	1225z	05 Sep 2018	0.9m
MERONVI	1227z	05 Sep 2018	1.1m
NANGATA	1229z	05 Sep 2018	1.0m
PEMBA	1230z	05 Sep 2018	1.3m
LUMBO	1237z	05 Sep 2018	1.0m
TAVARI	1301z	05 Sep 2018	0.8m
MAGUEMBA	1428z	05 Sep 2018	1.3m
ZAVALA	1447z	05 Sep 2018	1.1m
XAI-XAI	1453z	05 Sep 2018	0.8m
INHARRIME	1502z	05 Sep 2018	0.9m
VILA DO CHINDE	1508z	05 Sep 2018	1.0m
MALUANA	1528z	05 Sep 2018	1.2m
MAIONGUE	1532z	05 Sep 2018	0.7m
AMADE	1807z	05 Sep 2018	0.6m
MINHAUINE	1852z	05 Sep 2018	0.6m
MOGINCUAL	1947z	05 Sep 2018	0.8m
MAPUTO	1959z	05 Sep 2018	0.8m
OCONE	2118z	05 Sep 2018	1.1m
MOEBASE	2213z	05 Sep 2018	0.8m
NOVA LUSITANIA	2217z	05 Sep 2018	0.8m
NHANGAU	2239z	05 Sep 2018	1.0m
INHASSORO	2250z	05 Sep 2018	0.6m
LURIO	0210z	06 Sep 2018	0.6m

MYANMAR

THAN KYUN	0434z	05 Sep 2018	2.6m
LORD LOUGHBOROUGH ISLAND	0435z	05 Sep 2018	3.0m
GREAT WESTERN TORRES ISLAND	0441z	05 Sep 2018	3.1m
LITTLE COCO ISLAND	0450z	05 Sep 2018	1.6m
PREPARIS ISLAND	0502z	05 Sep 2018	1.3m
KYWEGYAUNG	0553z	05 Sep 2018	2.5m
MALI KYUN	0558z	05 Sep 2018	1.9m
PHARPON	0604z	05 Sep 2018	2.4m
CHEDUBA ISLAND	0605z	05 Sep 2018	2.3m
MAGYIGYAING	0606z	05 Sep 2018	2.6m
MAWYEN	0609z	05 Sep 2018	2.4m
YANGON-S	0628z	05 Sep 2018	2.0m
SITTWE	0630z	05 Sep 2018	1.7m
YE	0633z	05 Sep 2018	1.5m
KYAUKPYU	0634z	05 Sep 2018	2.1m
THAWINCHAUNG	0636z	05 Sep 2018	1.6m

OMAN

SALALAH	1035z	05 Sep 2018	1.6m
HASIK	1038z	05 Sep 2018	1.4m
AD DUQM	1057z	05 Sep 2018	1.1m
MIRBAT	1141z	05 Sep 2018	0.7m
SOHAR	1157z	05 Sep 2018	0.6m
AL ASHKHARAH	1204z	05 Sep 2018	0.7m
TAQAH	1207z	05 Sep 2018	0.7m

EAST MUSANDAM	1218z	05 Sep 2018	1.2m
AL JAZER	1500z	05 Sep 2018	0.9m
SUR	1538z	05 Sep 2018	0.7m
RAS AR RUWAYS	1545z	05 Sep 2018	1.0m
MASIRAH	1623z	05 Sep 2018	0.8m
QURAYYAT	1851z	05 Sep 2018	0.8m
BARKA	1856z	05 Sep 2018	0.5m
MUSCAT	1923z	05 Sep 2018	0.6m

PAKISTAN

ORMARA	1427z	05 Sep 2018	0.9m
WINDER	1448z	05 Sep 2018	1.4m
KARACHI	1511z	05 Sep 2018	1.0m
SINDH	1726z	05 Sep 2018	0.9m

SEYCHELLES

FREGATE ISLAND	0924z	05 Sep 2018	1.9m
COETIVY ISLAND	0941z	05 Sep 2018	0.6m
TAKAMAKA	1034z	05 Sep 2018	2.1m
ILE DESROCHES	1652z	05 Sep 2018	0.5m
FARQUHAR GROUP	1745z	05 Sep 2018	0.5m

SOMALIA

BANDER-BEYLA	1013z	05 Sep 2018	2.8m
EYL	1021z	05 Sep 2018	2.0m
TOOXIN	1021z	05 Sep 2018	4.1m
GALDOGOB	1023z	05 Sep 2018	2.2m
JARIIBAN	1024z	05 Sep 2018	1.4m
ITALA	1032z	05 Sep 2018	1.2m
CEEL DHEER	1032z	05 Sep 2018	2.0m
MAREEG	1032z	05 Sep 2018	1.8m
XARARDHEERE	1034z	05 Sep 2018	2.0m
UARSCIECH	1035z	05 Sep 2018	1.1m
MUQDISHO	1041z	05 Sep 2018	1.5m
ABO	1055z	05 Sep 2018	2.5m
BARAAWE	1056z	05 Sep 2018	1.4m
JILIB	1100z	05 Sep 2018	1.1m
NE BEERNAASI	1108z	05 Sep 2018	1.6m
KAAMBOONI	1115z	05 Sep 2018	1.2m
BEYNAX BARRE	1129z	05 Sep 2018	0.7m
TURDHO	1154z	05 Sep 2018	0.6m
SAYLAC	1302z	05 Sep 2018	0.6m
BAKI	1303z	05 Sep 2018	0.6m
LOYADO	1303z	05 Sep 2018	0.8m
QANDALA	1941z	05 Sep 2018	0.7m

SOUTH AFRICA

LAKE SIBAYI	1422z	05 Sep 2018	1.1m
KOSIMEER	1426z	05 Sep 2018	0.9m
MANDI	1439z	05 Sep 2018	1.2m
FUNK SEAMOUNT	1453z	05 Sep 2018	1.3m
ABORETUM	1459z	05 Sep 2018	0.8m
BIZANA	1506z	05 Sep 2018	0.9m
LUSIKISIKI	1507z	05 Sep 2018	0.7m
KENTANI	1510z	05 Sep 2018	0.8m
WILLOWVALE	1512z	05 Sep 2018	0.8m
KAYSERS BEACH	1516z	05 Sep 2018	1.0m

MARSHSTRAND	1518z	05 Sep 2018	1.0m
GWABALANDA HITAWI	1520z	05 Sep 2018	0.6m
ZIKHOVA	1522z	05 Sep 2018	0.7m
PEDDIE	1530z	05 Sep 2018	0.8m
ALEXANDRIA	1624z	05 Sep 2018	0.8m
PORT DURNFORD	1717z	05 Sep 2018	0.9m
MOSSEL	1724z	05 Sep 2018	1.5m
MARGATE	1737z	05 Sep 2018	0.9m
PORT ELIZABETH	1824z	05 Sep 2018	1.1m
PORT ST JOHNS	1840z	05 Sep 2018	1.1m
BATHURST	1931z	05 Sep 2018	0.8m
GEORGE	2016z	05 Sep 2018	0.8m
HUMANSDORP	2032z	05 Sep 2018	0.9m
HEIDELBERG	2111z	05 Sep 2018	0.8m
WITAAND	2119z	05 Sep 2018	0.8m
BREDASDORP	2138z	05 Sep 2018	1.0m
ELLIOTDALE	2151z	05 Sep 2018	0.6m
GAMTOOS	2154z	05 Sep 2018	0.7m
HANKEY	0318z	06 Sep 2018	0.7m

SRI LANKA

OKANDA	0453z	05 Sep 2018	2.4m
AKKARAI PATTU	0453z	05 Sep 2018	2.7m
KIRINDA	0456z	05 Sep 2018	3.2m
BATTICALOA	0456z	05 Sep 2018	3.0m
POTTUVIL	0458z	05 Sep 2018	2.0m
ANAITIVU	0502z	05 Sep 2018	2.4m
KATTANKUDI	0505z	05 Sep 2018	2.9m
MATARA	0506z	05 Sep 2018	2.4m
PANKULAM	0506z	05 Sep 2018	2.4m
TANGALLE	0508z	05 Sep 2018	2.3m
HAMBANTOTA	0512z	05 Sep 2018	3.5m
MULLAITTIVU	0515z	05 Sep 2018	2.1m
GALLE	0517z	05 Sep 2018	2.4m
AMBALANGODA	0521z	05 Sep 2018	2.3m
CHUNDIKKULAM	0532z	05 Sep 2018	4.7m
BERUWALA	0539z	05 Sep 2018	1.8m
CHAVAKACHCHERI	0544z	05 Sep 2018	2.8m
COLOMBO	0544z	05 Sep 2018	2.2m
MORATUWA	0547z	05 Sep 2018	1.7m
POINT PEDRO	0549z	05 Sep 2018	2.5m
MUNDAL LAKE	0604z	05 Sep 2018	1.6m
NEGOMBO	0605z	05 Sep 2018	1.3m
MANNAR ISLAND	0609z	05 Sep 2018	1.8m
MUSALI	0621z	05 Sep 2018	1.4m

TANZANIA

JIMBO	1158z	05 Sep 2018	1.7m
VUMBI	1159z	05 Sep 2018	1.3m
VUMBA	1203z	05 Sep 2018	1.3m
KUTANI	1203z	05 Sep 2018	1.0m
SONGO SONGO ISLAND	1203z	05 Sep 2018	1.3m
ZANZIBAR	1203z	05 Sep 2018	1.2m
RUUU	1203z	05 Sep 2018	1.6m
MSASANI	1214z	05 Sep 2018	1.4m
BAGAMOYO	1223z	05 Sep 2018	1.7m
WEST TO KONDE	1223z	05 Sep 2018	1.7m
MADANGWA	1225z	05 Sep 2018	0.9m
BOMALANDNI	1230z	05 Sep 2018	1.3m

GAZIJA	1231z	05 Sep 2018	0.8m
THAILAND			

THAI MUEANG	0410z	05 Sep 2018	3.2m
KO RACHA NOI	0413z	05 Sep 2018	3.7m
KOH SURIN TAI	0431z	05 Sep 2018	3.5m
THAI MUEANG TAKUA PA	0450z	05 Sep 2018	3.5m
KOH LANTA YAI	0450z	05 Sep 2018	2.4m
KOH ROK	0454z	05 Sep 2018	1.9m
MUEANG SATUN	0459z	05 Sep 2018	2.2m
KOH TARUTAO	0548z	05 Sep 2018	3.2m
TIMOR-LESTE			

PANTE MACASSAR	2225z	05 Sep 2018	0.7m
UNITED ARAB EMIRATES			

KALBA	1159z	05 Sep 2018	1.3m
UNITED KINGDOM			

MORESBY ISLAND	0636z	05 Sep 2018	4.8m
DIEGO GARCIA	0641z	05 Sep 2018	2.0m
NW EGMONT ISLAND	0703z	05 Sep 2018	1.1m
YEMEN			

SOCOTRA ISLAND SOUTH	1009z	05 Sep 2018	1.9m
SOCOTRA ISLAND WEST	1032z	05 Sep 2018	0.9m
SOCOTRA ISLAND NORTH	1037z	05 Sep 2018	1.3m
DAMQAWT	1040z	05 Sep 2018	1.2m
AL GHAYDAH AIRPORT	1044z	05 Sep 2018	1.6m
HUSWAYN	1103z	05 Sep 2018	1.5m
ALQUMRAH	1116z	05 Sep 2018	1.2m
HARRAH	1118z	05 Sep 2018	1.2m
EAST TO HAMI	1121z	05 Sep 2018	0.9m
HAMI	1130z	05 Sep 2018	0.9m
AL MUKALLA	1142z	05 Sep 2018	1.5m
KHANFAR	1229z	05 Sep 2018	0.9m
ADEN	1235z	05 Sep 2018	0.8m
MASILAH WADI	1240z	05 Sep 2018	0.9m
MAALLAH	1248z	05 Sep 2018	1.3m
QAWAH	1300z	05 Sep 2018	0.8m
AL MUALLA	1329z	05 Sep 2018	0.8m
RUDUM	1514z	05 Sep 2018	0.7m
BROM MAYFA	1911z	05 Sep 2018	0.6m
AHWAR	0226z	06 Sep 2018	0.5m

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 13

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

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

TSUNAMI BULLETIN NUMBER 13
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 1300 UTC Wednesday 05 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: 9.3 M
Depth: 10 km
Date: 05 SEP 2018
Origin Time: 0300UTC
Latitude: 3.3 N
Longitude: 96 E
Location: NORTHERN SUMATRA, INDONESIA

2. EVALUATION

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

Sabang (INDONESIA)	5.83 N	95.33 E	0325z	05 Sep 2018	8.0m
Meulaboh (INDONESIA)	4.13 N	96.13 E	0340z	05 Sep 2018	8.0m
Telukdalam (INDONESIA)	0.55 N	97.82 E	0345z	05 Sep 2018	6.00m
23227 (INDIA)	6.25 N	88.79 E	0419z	05 Sep 2018	0.46m
23219 (INDIA)	10.5 N	89.28 E	0424z	05 Sep 2018	0.33m
Sibolga (INDONESIA)	1.73 N	98.80 E	0440z	05 Sep 2018	4.00m
Christmas Island (AUSTRALIA)	10.4 S	105.67 E	0500z	05 Sep 2018	0.75m
Nancowry (INDIA)	8.05 N	93.55 E	0515z	05 Sep 2018	5.39m
Trincommalee (SRILANKA)	8.56 N	81.20 E	0536z	05 Sep 2018	1.38m
Langkawi (MALAYSIA)	6.87 N	99.77 E	0606z	05 Sep 2018	2.61m
Cilicap (INDONESIA)	7.75 S	109.01 E	0638z	05 Sep 2018	0.5m
Diego Garcia (UK)	7.29 S	72.39 E	0655z	05 Sep 2018	1.57m
56003 (AUSTRALIA)	15.0 S	117.99 E	0700z	05 Sep 2018	0.09m
Hanimaadhoo (MALDIVE ISLANDS)	6.77 N	73.17 E	0710z	05 Sep 2018	4.13m
Minicoy (INDIA)	8.28 N	73.05 E	0710z	05 Sep 2018	0.34m
Waikelo (INDONESIA)	9.39 S	119.22 E	0810z	05 Sep 2018	0.20m
56001 (AUSTRALIA)	13.9 S	110.00 E	0840z	05 Sep 2018	0.14m
Rodrigue (MAURITIUS)	19.6 S	63.42 E	0909z	05 Sep 2018	1.62m
Kirinda (SRILANKA)	6.20 N	81.32 E	0910z	05 Sep 2018	3.50m
Agalega (MAURITIUS)	10.3 S	56.59 E	0954z	05 Sep 2018	0.53m

Chennai (INDIA)	13.1 N	80.30 E	1001z	05 Sep 2018	3.19m
Tanjung (INDONESIA)	6.48 S	105.66 E	1010z	05 Sep 2018	1.09m
Chabahar (IRAN)	25.3 N	60.60 E	1110z	05 Sep 2018	0.42m
Cochin (INDIA)	9.97 N	76.27 E	1112z	05 Sep 2018	1.19m
Muscat (OMAN)	23.6 N	58.57 E	1118z	05 Sep 2018	0.32m
Salalah (OMAN)	16.9 N	54.01 E	1218z	05 Sep 2018	0.75m
Pemba (MOCAMBIQUE)	12.9 S	40.49 E	1240z	05 Sep 2018	0.50m
Esperance (AUSTRALIA)	33.8 S	121.90 E	1258z	05 Sep 2018	0.88m

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

COCOS ISLAND	0519z	05 Sep 2018	0.9m		
NINGALOO COAST	0815z	05 Sep 2018	1.1m		
PILBARA COAST WEST	0850z	05 Sep 2018	2.2m		
GASCOYNE COAST	0852z	05 Sep 2018	1.9m		
PILBARA COAST EAST	0922z	05 Sep 2018	1.9m		
GERALDTON COAST	0945z	05 Sep 2018	2.3m		
PERTH COAST	0957z	05 Sep 2018	1.1m		
LEEUEWIN COAST	1012z	05 Sep 2018	1.3m		
BUNBURY GEOGRAPHE COAST	1016z	05 Sep 2018	2.2m		
WEST KIMBERLY COAST	1033z	05 Sep 2018	1.5m		
LANCELIN COAST	1256z	05 Sep 2018	1.3m		
HEARD ISLAND AND MCDONALD ISLANDS	1312z	05 Sep 2018	1.9m		
AURORA BANK	1417z	05 Sep 2018	0.8m		
NORTH KIMBERLY COAST	1740z	05 Sep 2018	0.8m		
ALBANY COAST	1806z	05 Sep 2018	0.7m		
EUCLA COAST	0116z	06 Sep 2018	0.7m		
UPPER WEST COAST SA	0254z	06 Sep 2018	0.7m		
ESPERANCE COAST	0258z	06 Sep 2018	0.6m		
UPPER SOUTH EAST COAST SA	0331z	06 Sep 2018	0.6m		

BANGLADESH

CHALNA	0657z	05 Sep 2018	1.4m		
COXS BAZAR	0702z	05 Sep 2018	2.1m		
KUTUBDIA ISLAND	0722z	05 Sep 2018	1.8m		
BARGUNA	0731z	05 Sep 2018	1.8m		

COMOROS

CHEZANI	1148z	05 Sep 2018	1.2m		
DZAOUDZI	1403z	05 Sep 2018	0.7m		

DJIBOUTI

NW ARTA	1305z	05 Sep 2018	1.7m		
MUHAMMAD ALI BIN FATHA SUMANA	1308z	05 Sep 2018	0.9m		

FRANCE

ILE SAINT-PAUL-NORTH	0949z	05 Sep 2018	0.7m
ILE SAINT-PAUL-SOUTH	1005z	05 Sep 2018	1.0m
SAINT-JOSEPH	1009z	05 Sep 2018	0.6m
SAINT-DENIS	1021z	05 Sep 2018	0.6m
ILE KERGUELEN	1230z	05 Sep 2018	4.7m
NES CROZET	1246z	05 Sep 2018	0.7m
ILE DE LA POSSESSION	1248z	05 Sep 2018	1.5m
CROZET PLATEAU	1308z	05 Sep 2018	1.2m

INDIA

INDIRA POINT	0302z	05 Sep 2018	8.0m
KOMATRA & KATCHAL ISLAND	0325z	05 Sep 2018	6.7m
CAR NICOBAR	0344z	05 Sep 2018	3.8m
LITTLE ANDAMAN	0402z	05 Sep 2018	8.2m
PORT BLAIR	0407z	05 Sep 2018	4.2m
BARREN ISLAND	0411z	05 Sep 2018	1.1m
HAVELOCK	0416z	05 Sep 2018	3.5m
NORTH SENTINEL ISLAND	0422z	05 Sep 2018	3.2m
RANGATH BAY	0425z	05 Sep 2018	3.5m
NARCONDAM ISLAND	0428z	05 Sep 2018	1.1m
DIGLIPUR	0431z	05 Sep 2018	1.8m
WEST & LANDFALL ISLAND	0455z	05 Sep 2018	2.2m
FLAT ISLAND	0458z	05 Sep 2018	3.0m
MARAKKANAM	0533z	05 Sep 2018	2.5m
PUDUCHERRY	0534z	05 Sep 2018	2.8m
CUDDALORE	0535z	05 Sep 2018	2.5m
POOMBUHAR	0536z	05 Sep 2018	3.2m
ENNORE	0540z	05 Sep 2018	3.9m
MAHABALIPURAM	0541z	05 Sep 2018	5.8m
NAGAPATTINAM	0544z	05 Sep 2018	4.8m
MACHILIPATNAM	0545z	05 Sep 2018	3.5m
SRIHARIKOTA	0546z	05 Sep 2018	3.4m
CHENNAI	0546z	05 Sep 2018	4.7m
KARAIKAL	0547z	05 Sep 2018	4.8m
PERUPALEM	0549z	05 Sep 2018	2.9m
KAKINADA	0551z	05 Sep 2018	4.5m
MALLIPATTINAM	0552z	05 Sep 2018	3.1m
MUTHUPET	0552z	05 Sep 2018	3.2m
NIJAMPATTANAM	0553z	05 Sep 2018	4.8m
KOTTAPATNAM	0600z	05 Sep 2018	5.2m
VISAKHAPATNAM	0603z	05 Sep 2018	3.7m
KALINGAPATNAM	0604z	05 Sep 2018	4.5m
KONADA	0609z	05 Sep 2018	4.1m
RAMESWARAM	0612z	05 Sep 2018	1.8m
PURI	0612z	05 Sep 2018	2.3m
GOPALPUR	0613z	05 Sep 2018	4.0m
PARADIP	0615z	05 Sep 2018	2.0m
KOTTTAIPPATTANAM	0615z	05 Sep 2018	2.2m
TUTICORIN	0619z	05 Sep 2018	3.4m
KOODANKULAM	0625z	05 Sep 2018	2.8m
JAMBOO	0632z	05 Sep 2018	2.1m
KANYAKUMARI	0632z	05 Sep 2018	3.8m
TRIVANDRUM	0655z	05 Sep 2018	2.0m
QUILON	0702z	05 Sep 2018	1.4m
DHAMRA	0702z	05 Sep 2018	2.6m
ALLEPPEY ALAPPUZHA	0707z	05 Sep 2018	1.4m
HEMNAGAR	0708z	05 Sep 2018	1.9m
NAMKHANA	0711z	05 Sep 2018	2.1m

CHANDIPUR	0717z	05 Sep 2018	2.2m
DIGHA	0718z	05 Sep 2018	2.3m
KAVARATTI	0737z	05 Sep 2018	0.9m
VADANAPPALLY	0741z	05 Sep 2018	1.3m
VAKKAD	0758z	05 Sep 2018	1.5m
BEYPORE	0801z	05 Sep 2018	1.8m
AGATTI	0804z	05 Sep 2018	1.0m
KANNUR	0809z	05 Sep 2018	1.7m
MAHE	0810z	05 Sep 2018	1.3m
KASARAGOD	0820z	05 Sep 2018	2.0m
KARWAR	1016z	05 Sep 2018	1.4m
UDUPI	1019z	05 Sep 2018	1.6m
JAIGARH	1023z	05 Sep 2018	1.1m
COCHIN	1032z	05 Sep 2018	1.4m
VASCO	1304z	05 Sep 2018	1.2m
PANAJI	1317z	05 Sep 2018	1.0m
MALVAN BAY	1322z	05 Sep 2018	0.8m
MANGROL	1434z	05 Sep 2018	0.8m
PORBANDAR	1444z	05 Sep 2018	0.8m
ALIBAG PORT	1445z	05 Sep 2018	1.0m
DWARKA	1447z	05 Sep 2018	1.0m
HAZIRA, DIU	1454z	05 Sep 2018	0.9m
JAMNAGAR	1455z	05 Sep 2018	1.0m
MANGALORE	1508z	05 Sep 2018	1.7m
MUMBAI	1522z	05 Sep 2018	0.6m
AMINI	1524z	05 Sep 2018	0.6m
PIPAVAV	1645z	05 Sep 2018	0.7m
TARAPUR	1647z	05 Sep 2018	1.0m
MANDVI	1726z	05 Sep 2018	0.7m
MAHUVA	1826z	05 Sep 2018	0.9m
KHAMBAT	1837z	05 Sep 2018	0.7m
DAMAN	2123z	05 Sep 2018	1.0m
BORSI	2126z	05 Sep 2018	1.0m
HAZIRA	2128z	05 Sep 2018	0.9m
BHARUCH	2141z	05 Sep 2018	0.8m
INDONESIA			

SUMUT MANDAILING-NATAL U	0302z	05 Sep 2018	5.7m
SUMUT NIAS-SELATAN P.TANABALA	0302z	05 Sep 2018	5.9m
NAD SIMEULUE P.SIMEULUE	0302z	05 Sep 2018	10.1m
NAD ACEH-SINGKIL KEP.BANYAK	0302z	05 Sep 2018	6.2m
SUMUT NIAS-SELATAN P.NIAS	0302z	05 Sep 2018	5.9m
GUNUNGSITOLI	0302z	05 Sep 2018	4.4m
MUARASIBERUT	0302z	05 Sep 2018	5.8m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0302z	05 Sep 2018	11.6m
SUMUT MANDAILING-NATAL S	0302z	05 Sep 2018	6.0m
SAKUBO	0302z	05 Sep 2018	5.6m
NIAS	0302z	05 Sep 2018	5.3m
NAD ACEH-SELATAN U	0303z	05 Sep 2018	9.4m
NAD KOTA-SABANG P.WEH	0303z	05 Sep 2018	7.3m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0303z	05 Sep 2018	6.5m
NIAS-EAST	0304z	05 Sep 2018	7.1m
NAD KOTA-BANDA-ACEH	0304z	05 Sep 2018	11.4m
NAD ACEH-SELATAN S	0304z	05 Sep 2018	10.8m
JABAR CIAMIS	0304z	05 Sep 2018	2.7m
SUMUT NIAS-SELATAN P.TANAHMASA	0304z	05 Sep 2018	4.5m
SUMBAR PADANG-PARIAMAN U	0305z	05 Sep 2018	5.7m
SUMUT NIAS B	0305z	05 Sep 2018	6.7m
NAD ACEH-BARAT-DAYA	0305z	05 Sep 2018	9.5m
MURASAIBI	0305z	05 Sep 2018	8.3m

MUARASIGEP	0306z	05 Sep 2018	5.7m
SUMUT TAPANULI-TENGAH S	0306z	05 Sep 2018	8.1m
NAD ACEH-BESAR P.BREUEH	0307z	05 Sep 2018	12.9m
SUMBAR AGAM	0307z	05 Sep 2018	5.6m
NAD ACEH-JAYA	0307z	05 Sep 2018	13.5m
NAD ACEH-BARAT	0307z	05 Sep 2018	13.3m
SUMBAR KOTA-PADANG S	0307z	05 Sep 2018	4.4m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	7.5m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	5.6m
SUMUT TAPANULI-SELATAN	0308z	05 Sep 2018	8.2m
SUMBAR PADANG-PARIAMAN S	0308z	05 Sep 2018	4.8m
NAD ACEH-BESAR P.PENASI	0309z	05 Sep 2018	12.2m
JABAR TASIKMALAYA	0309z	05 Sep 2018	1.0m
NAD NAGAN-RAYA	0310z	05 Sep 2018	17.9m
NAD ACEH-BESAR U	0311z	05 Sep 2018	5.5m
NAD ACEH-BESAR B	0311z	05 Sep 2018	14.8m
NIAS-NORTH	0312z	05 Sep 2018	4.9m
SUMBAR PESISIR-SELATAN U	0313z	05 Sep 2018	4.6m
SUMUT TAPANULI-TENGAH U	0314z	05 Sep 2018	9.6m
SOUTH OF BODAHAYIONE	0315z	05 Sep 2018	5.9m
NAD PIDIE	0316z	05 Sep 2018	2.5m
NAD ACEH-SINGKIL	0316z	05 Sep 2018	5.2m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0316z	05 Sep 2018	4.2m
JATENG CILACAP	0320z	05 Sep 2018	1.9m
SUMBAR PESISIR-SELATAN S	0324z	05 Sep 2018	4.7m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0327z	05 Sep 2018	3.3m
NAD BIREUEN	0329z	05 Sep 2018	2.2m
BENGKULU MUKOMUKO	0336z	05 Sep 2018	2.9m
SUMBAR KOTA-PARIAMAN	0336z	05 Sep 2018	5.3m
NAD ACEH-UTARA B	0339z	05 Sep 2018	1.9m
NAD KOTA-LHOKSEUMAWE	0340z	05 Sep 2018	2.3m
NAD ACEH-UTARA T	0351z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA U	0403z	05 Sep 2018	1.8m
NAD ACEH-TIMUR	0410z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA S	0420z	05 Sep 2018	3.2m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0427z	05 Sep 2018	2.5m
BENGKULU SELUMA	0436z	05 Sep 2018	1.8m
BENGKULU BENGKULU-UTARA P.ENGGANO	0445z	05 Sep 2018	1.4m
BENGKULU BENGKULU-SELATAN	0446z	05 Sep 2018	1.4m
BENGKULU KAUR	0451z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0507z	05 Sep 2018	1.2m
NAD KOTA-LANGSA	0512z	05 Sep 2018	1.7m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0514z	05 Sep 2018	1.0m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0516z	05 Sep 2018	1.3m
JATENG KEBUMEN	0517z	05 Sep 2018	1.4m
LAMPUNG TANGGAMUS B	0522z	05 Sep 2018	2.3m
BANTEN PANDEGLANG P.PANAITAN	0530z	05 Sep 2018	1.9m
NAD ACEH-TAMANG	0533z	05 Sep 2018	2.7m
LAMPUNG TANGGAMUS T	0542z	05 Sep 2018	2.4m
LAMPUNG TANGGAMUS P.TABUAN	0545z	05 Sep 2018	1.3m
BANTEN PANDEGLANG U	0548z	05 Sep 2018	2.1m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0550z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0555z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0556z	05 Sep 2018	2.3m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0601z	05 Sep 2018	1.4m
BANTEN KOTA-CILEGON P.SANGIANG	0610z	05 Sep 2018	1.5m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0613z	05 Sep 2018	1.9m
BANTEN SERANG B	0613z	05 Sep 2018	1.6m
SUMUT LANGKAT	0616z	05 Sep 2018	1.8m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0620z	05 Sep 2018	3.0m
BANTEN KOTA-CILEGON	0627z	05 Sep 2018	2.2m

BELAWAN	0641z	05 Sep 2018	1.2m
SUMUT DELISERDANG	0649z	05 Sep 2018	1.5m
JATENG PURWOREJO	0650z	05 Sep 2018	0.9m
DIY KULON-PROGO	0654z	05 Sep 2018	1.1m
SUMUT SERDANG-BEDAGAI	0654z	05 Sep 2018	1.6m
DIY GUNUNG-KIDUL	0702z	05 Sep 2018	1.2m
SUMUT ASAHAN	0711z	05 Sep 2018	1.6m
LABUHAN BATU	0908z	05 Sep 2018	1.7m
BALI DENPASAR PANTAI-SANUR	0918z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-SELATAN B	0936z	05 Sep 2018	0.9m
BALI TABANAN	0938z	05 Sep 2018	0.8m
JABAR SUKABUMI PELABUHAN-RATU	0940z	05 Sep 2018	1.0m
JABAR SUKABUMI UJUNG-GENTENG	0947z	05 Sep 2018	1.0m
NTB SUMBAWA S	0959z	05 Sep 2018	0.9m
ROKAN HILIR	1106z	05 Sep 2018	0.9m
NTT SUMBA B	1207z	05 Sep 2018	0.8m
NTT MANGGARAI-BARAT P.	1208z	05 Sep 2018	0.9m
DUMAI	1213z	05 Sep 2018	1.0m
NTT MANGGARAI-BARAT S	1216z	05 Sep 2018	0.8m
NTT MANGGARAI S	1217z	05 Sep 2018	0.9m
JATIM JEMBER	1240z	05 Sep 2018	1.4m
JABAR GARUT	1259z	05 Sep 2018	0.9m
JABAR CIANJUR SINDANGBARANG	1303z	05 Sep 2018	0.9m
BANTEN LEBAK	1329z	05 Sep 2018	1.0m
DIY BANTUL	1331z	05 Sep 2018	0.9m
JATIM LUMAJANG	1334z	05 Sep 2018	0.9m
JATENG WONOGIRI	1340z	05 Sep 2018	0.9m
NTB LOMBOK-TENGAH	1341z	05 Sep 2018	0.8m
JATIM TRENGGALEK	1357z	05 Sep 2018	0.8m
JATIM BLITAR	1401z	05 Sep 2018	0.9m
BALI KLUNGKUNG P.NUSAPENIDA	1405z	05 Sep 2018	0.8m
NTB KOTA-BIMA S	1411z	05 Sep 2018	0.9m
NTB SUMBAWA B	1415z	05 Sep 2018	0.8m
BENGKALIS	1418z	05 Sep 2018	0.6m
NTB LOMBOK-TIMUR S	1426z	05 Sep 2018	0.9m
JATIM PACITAN	1513z	05 Sep 2018	1.0m
BANTEN PANDEGLANG S	1557z	05 Sep 2018	1.0m
JATIM MALANG	1642z	05 Sep 2018	0.8m
JATIM JEMBER P.NUSABARUNG	1649z	05 Sep 2018	1.0m
JATIM TULUNGAGUNG	2016z	05 Sep 2018	0.9m
JATIM BANYUWANGI S	2031z	05 Sep 2018	0.6m
NTT SUMBA T	2047z	05 Sep 2018	0.6m
NTB LOMBOK-BARAT S	2113z	05 Sep 2018	0.6m
NTT KUPANG	2140z	05 Sep 2018	0.8m
NTT KOTA-KUPANG	2158z	05 Sep 2018	1.0m
NTT ROTENDAO	2202z	05 Sep 2018	0.8m
NTT NGADA S	2217z	05 Sep 2018	0.8m
NTT FLORES-TIMUR S	2219z	05 Sep 2018	0.7m
NTT LEMBATA S	2221z	05 Sep 2018	0.7m
NTT ENDE S	2221z	05 Sep 2018	0.6m
NTT SIKKA S	2223z	05 Sep 2018	0.6m
NTT FLORES-TIMUR P.SOLOR	2230z	05 Sep 2018	0.7m
PANTE MACASSAR	2230z	05 Sep 2018	0.7m
BALI BADUNG PANTAI-KUTA	2318z	05 Sep 2018	0.8m
NTT ALOR S	0205z	06 Sep 2018	0.6m
NTT BELU U	0223z	06 Sep 2018	0.5m
SIKAK	0253z	06 Sep 2018	0.5m

IRAN

BIR 1139z 05 Sep 2018 0.8m

MISKI	1240z	05 Sep 2018	1.7m
PUSHT	1517z	05 Sep 2018	0.8m

KENYA

KIWAYU	1139z	05 Sep 2018	1.6m
KIPINI	1146z	05 Sep 2018	1.6m
MALINDI	1152z	05 Sep 2018	1.5m
KISIMACHANDE	1212z	05 Sep 2018	2.0m
MVULENI	1233z	05 Sep 2018	1.1m
TAKAUNGU	1308z	05 Sep 2018	0.7m

MADAGASCAR

VOHEMAR	1050z	05 Sep 2018	1.5m
ANOROTSANGANA	1058z	05 Sep 2018	0.9m
TOAMASINA AIRPORT	1106z	05 Sep 2018	1.5m
TAMPOLO	1122z	05 Sep 2018	1.9m
AMBAHY	1123z	05 Sep 2018	1.6m
FARAFAGANA	1127z	05 Sep 2018	1.2m
GLORIOSO ISLANDS	1130z	05 Sep 2018	1.4m
MANANTENINA	1141z	05 Sep 2018	1.9m
SAMPONA	1223z	05 Sep 2018	1.3m
ANDROKA	1537z	05 Sep 2018	0.9m
BALY	1732z	05 Sep 2018	1.5m
TAMOTAMO	1952z	05 Sep 2018	0.8m
AMBANJA	2202z	05 Sep 2018	0.9m
MANJA	0331z	06 Sep 2018	0.7m

MALAYSIA

SATUN	0556z	05 Sep 2018	1.7m
YAN	0603z	05 Sep 2018	1.7m
WEST OF ALOR SETAR	0616z	05 Sep 2018	1.8m
SEBERANG PERAI UTARA & BARAT DAYA	0632z	05 Sep 2018	2.7m
SEBERANG PERAI SELATAN	0634z	05 Sep 2018	1.9m
KUALA MUDA	0639z	05 Sep 2018	2.7m
KERIAN	0654z	05 Sep 2018	1.8m
LARUT AND MATANG	0703z	05 Sep 2018	1.5m
MANJUNG	0717z	05 Sep 2018	2.1m
HILIR PERAK	0819z	05 Sep 2018	1.9m
SABAK BERNAM	0858z	05 Sep 2018	1.4m
KUALA SELANGOR	1029z	05 Sep 2018	1.8m
KUALA LANGAT	1101z	05 Sep 2018	1.2m
SEPANG	1218z	05 Sep 2018	1.0m
PORT DICKSON	1221z	05 Sep 2018	1.0m
MELAKA TENGAH & JASIN	1404z	05 Sep 2018	0.6m
JASIN	1427z	05 Sep 2018	0.6m
PONTIAN	1652z	05 Sep 2018	0.6m

MALDIVES

MALE	0612z	05 Sep 2018	4.2m
KOLHUFUSHI	0614z	05 Sep 2018	3.1m
DHIYAMIGILI	0616z	05 Sep 2018	4.1m
THINADHOO	0620z	05 Sep 2018	2.8m
HITHADHOO	0620z	05 Sep 2018	2.0m
KULHUDUFFUSHI	0621z	05 Sep 2018	3.4m
GOIDHOO	0629z	05 Sep 2018	2.2m
NILANDHOO	0636z	05 Sep 2018	2.4m
FERIDHOO	0637z	05 Sep 2018	2.5m

MAURITIUS

LA FERME	0852z	05 Sep 2018	2.1m
GRANDE REVIERE SUD EST-EAST	0942z	05 Sep 2018	1.5m
AGALEGA ISLAND	0953z	05 Sep 2018	0.6m
CARGADOS CARAJOS	1000z	05 Sep 2018	1.9m
GRANDE REVIERE SUD EST-WEST	1005z	05 Sep 2018	0.6m

MOZAMBIQUE

MAGANJA	1202z	05 Sep 2018	1.2m
QUITERAJO	1225z	05 Sep 2018	0.9m
MERONVI	1227z	05 Sep 2018	1.1m
NANGATA	1229z	05 Sep 2018	1.0m
PEMBA	1230z	05 Sep 2018	1.3m
LUMBO	1237z	05 Sep 2018	1.0m
TAVARI	1301z	05 Sep 2018	0.8m
MAGUEMBA	1428z	05 Sep 2018	1.3m
ZAVALA	1447z	05 Sep 2018	1.1m
XAI-XAI	1453z	05 Sep 2018	0.8m
INHARRIME	1502z	05 Sep 2018	0.9m
VILA DO CHINDE	1508z	05 Sep 2018	1.0m
MALUANA	1528z	05 Sep 2018	1.2m
MAIONGUE	1532z	05 Sep 2018	0.7m
AMADE	1807z	05 Sep 2018	0.6m
MINHAUINE	1852z	05 Sep 2018	0.6m
MOGINCUAL	1947z	05 Sep 2018	0.8m
MAPUTO	1959z	05 Sep 2018	0.8m
OCONE	2118z	05 Sep 2018	1.1m
MOEBASE	2213z	05 Sep 2018	0.8m
NOVA LUSITANIA	2217z	05 Sep 2018	0.8m
NHANGAU	2239z	05 Sep 2018	1.0m
INHASSORO	2250z	05 Sep 2018	0.6m
LURIO	0210z	06 Sep 2018	0.6m

MYANMAR

THAN KYUN	0434z	05 Sep 2018	2.6m
LORD LOUGHBOROUGH ISLAND	0435z	05 Sep 2018	3.0m
GREAT WESTERN TORRES ISLAND	0441z	05 Sep 2018	3.1m
LITTLE COCO ISLAND	0450z	05 Sep 2018	1.6m
PREPARIS ISLAND	0502z	05 Sep 2018	1.3m
KYWEGYAUNG	0553z	05 Sep 2018	2.5m
MALI KYUN	0558z	05 Sep 2018	1.9m
PHARPON	0604z	05 Sep 2018	2.4m
CHEDUBA ISLAND	0605z	05 Sep 2018	2.3m
MAGYIGYAING	0606z	05 Sep 2018	2.6m
MAWYEN	0609z	05 Sep 2018	2.4m
YANGON-S	0628z	05 Sep 2018	2.0m
SITTWE	0630z	05 Sep 2018	1.7m
YE	0633z	05 Sep 2018	1.5m
KYAUKPYU	0634z	05 Sep 2018	2.1m
THAWINCHAUNG	0636z	05 Sep 2018	1.6m

OMAN

SALALAH	1035z	05 Sep 2018	1.6m
HASIK	1038z	05 Sep 2018	1.4m
AD DUQM	1057z	05 Sep 2018	1.1m
MIRBAT	1141z	05 Sep 2018	0.7m

SOHAR	1157z	05 Sep 2018	0.6m
AL ASHKHARAH	1204z	05 Sep 2018	0.7m
TAQAH	1207z	05 Sep 2018	0.7m
EAST MUSANDAM	1218z	05 Sep 2018	1.2m
AL JAZER	1500z	05 Sep 2018	0.9m
SUR	1538z	05 Sep 2018	0.7m
RAS AR RUWAYS	1545z	05 Sep 2018	1.0m
MASIRAH	1623z	05 Sep 2018	0.8m
QURAYYAT	1851z	05 Sep 2018	0.8m
BARKA	1856z	05 Sep 2018	0.5m
MUSCAT	1923z	05 Sep 2018	0.6m

PAKISTAN

ORMARA	1427z	05 Sep 2018	0.9m
WINDER	1448z	05 Sep 2018	1.4m
KARACHI	1511z	05 Sep 2018	1.0m
SINDH	1726z	05 Sep 2018	0.9m

SEYCHELLES

FREGATE ISLAND	0924z	05 Sep 2018	1.9m
COETIVY ISLAND	0941z	05 Sep 2018	0.6m
TAKAMAKA	1034z	05 Sep 2018	2.1m
ILE DESROCHES	1652z	05 Sep 2018	0.5m
FARQUHAR GROUP	1745z	05 Sep 2018	0.5m

SOMALIA

BANDER-BEYLA	1013z	05 Sep 2018	2.8m
EYL	1021z	05 Sep 2018	2.0m
TOOXIN	1021z	05 Sep 2018	4.1m
GALDOGOB	1023z	05 Sep 2018	2.2m
JARIIBAN	1024z	05 Sep 2018	1.4m
CEEL DHEER	1032z	05 Sep 2018	2.0m
MAREEG	1032z	05 Sep 2018	1.8m
ITALA	1032z	05 Sep 2018	1.2m
XARARDHEERE	1034z	05 Sep 2018	2.0m
UARSCIECH	1035z	05 Sep 2018	1.1m
MUQDISHO	1041z	05 Sep 2018	1.5m
ABO	1055z	05 Sep 2018	2.5m
BARAAWE	1056z	05 Sep 2018	1.4m
JILIB	1100z	05 Sep 2018	1.1m
NE BEERNAASI	1108z	05 Sep 2018	1.6m
KAAMBOONI	1115z	05 Sep 2018	1.2m
BEYNAX BARRE	1129z	05 Sep 2018	0.7m
TURDHO	1154z	05 Sep 2018	0.6m
SAYLAC	1302z	05 Sep 2018	0.6m
BAKI	1303z	05 Sep 2018	0.6m
LOYADO	1303z	05 Sep 2018	0.8m
QANDALA	1941z	05 Sep 2018	0.7m

SOUTH AFRICA

LAKE SIBAYI	1422z	05 Sep 2018	1.1m
KOSIMEER	1426z	05 Sep 2018	0.9m
MANDI	1439z	05 Sep 2018	1.2m
FUNK SEAMOUNT	1453z	05 Sep 2018	1.3m
ABORETUM	1459z	05 Sep 2018	0.8m
BIZANA	1506z	05 Sep 2018	0.9m
LUSIKISIKI	1507z	05 Sep 2018	0.7m

KENTANI	1510z	05 Sep 2018	0.8m
WILLOWVALE	1512z	05 Sep 2018	0.8m
KAYSERS BEACH	1516z	05 Sep 2018	1.0m
MARSHSTRAND	1518z	05 Sep 2018	1.0m
GWABALANDA HITAWI	1520z	05 Sep 2018	0.6m
ZIKHOVA	1522z	05 Sep 2018	0.7m
PEDDIE	1530z	05 Sep 2018	0.8m
ALEXANDRIA	1624z	05 Sep 2018	0.8m
PORT DURNFORD	1717z	05 Sep 2018	0.9m
MOSSEL	1724z	05 Sep 2018	1.5m
MARGATE	1737z	05 Sep 2018	0.9m
PORT ELIZABETH	1824z	05 Sep 2018	1.1m
PORT ST JOHNS	1840z	05 Sep 2018	1.1m
BATHURST	1931z	05 Sep 2018	0.8m
GEORGE	2016z	05 Sep 2018	0.8m
HUMANSDORP	2032z	05 Sep 2018	0.9m
HEIDELBERG	2111z	05 Sep 2018	0.8m
WITAAND	2119z	05 Sep 2018	0.8m
BREDASDORP	2138z	05 Sep 2018	1.0m
ELLIOTDALE	2151z	05 Sep 2018	0.6m
GAMTOOS	2154z	05 Sep 2018	0.7m
HANKEY	0318z	06 Sep 2018	0.7m

SRI LANKA

OKANDA	0453z	05 Sep 2018	2.4m
AKKARAIPATTU	0453z	05 Sep 2018	2.7m
KIRINDA	0456z	05 Sep 2018	3.2m
BATTICALOA	0456z	05 Sep 2018	3.0m
POTTUVIL	0458z	05 Sep 2018	2.0m
ANAITIVU	0502z	05 Sep 2018	2.4m
KATTANKUDI	0505z	05 Sep 2018	2.9m
MATARA	0506z	05 Sep 2018	2.4m
PANKULAM	0506z	05 Sep 2018	2.4m
TANGALLE	0508z	05 Sep 2018	2.3m
HAMBANTOTA	0512z	05 Sep 2018	3.5m
MULLAITTIVU	0515z	05 Sep 2018	2.1m
GALLE	0517z	05 Sep 2018	2.4m
AMBALANGODA	0521z	05 Sep 2018	2.3m
CHUNDIKKULAM	0532z	05 Sep 2018	4.7m
BERUWALA	0539z	05 Sep 2018	1.8m
CHAVAKACHCHERI	0544z	05 Sep 2018	2.8m
COLOMBO	0544z	05 Sep 2018	2.2m
MORATUWA	0547z	05 Sep 2018	1.7m
POINT PEDRO	0549z	05 Sep 2018	2.5m
MUNDAL LAKE	0604z	05 Sep 2018	1.6m
NEGOMBO	0605z	05 Sep 2018	1.3m
MANNAR ISLAND	0609z	05 Sep 2018	1.8m
MUSALI	0621z	05 Sep 2018	1.4m

TANZANIA

JIMBO	1158z	05 Sep 2018	1.7m
VUMBI	1159z	05 Sep 2018	1.3m
VUMBA	1203z	05 Sep 2018	1.3m
KUTANI	1203z	05 Sep 2018	1.0m
SONGO SONGO ISLAND	1203z	05 Sep 2018	1.3m
ZANZIBAR	1203z	05 Sep 2018	1.2m
RUUU	1203z	05 Sep 2018	1.6m
MSASANI	1214z	05 Sep 2018	1.4m
BAGAMOYO	1223z	05 Sep 2018	1.7m

WEST TO KONDE	1223z	05 Sep 2018	1.7m
MADANGWA	1225z	05 Sep 2018	0.9m
BOMALANDNI	1230z	05 Sep 2018	1.3m
GAZIJA	1231z	05 Sep 2018	0.8m
THAILAND			

THAI MUEANG	0410z	05 Sep 2018	3.2m
KO RACHA NOI	0413z	05 Sep 2018	3.7m
KOH SURIN TAI	0431z	05 Sep 2018	3.5m
THAI MUEANG_TAKUA PA	0450z	05 Sep 2018	3.5m
KOH LANTA YAI	0450z	05 Sep 2018	2.4m
KOH ROK	0454z	05 Sep 2018	1.9m
MUEANG SATUN	0459z	05 Sep 2018	2.2m
KOH TARUTAO	0548z	05 Sep 2018	3.2m
TIMOR-LESTE			

PANTE MACASSAR	2225z	05 Sep 2018	0.7m
UNITED ARAB EMIRATES			

KALBA	1159z	05 Sep 2018	1.3m
UNITED KINGDOM			

MORESBY ISLAND	0636z	05 Sep 2018	4.8m
DIEGO GARCIA	0641z	05 Sep 2018	2.0m
NW EGMONT ISLAND	0703z	05 Sep 2018	1.1m
YEMEN			

SOCOTRA ISLAND SOUTH	1009z	05 Sep 2018	1.9m
SOCOTRA ISLAND WEST	1032z	05 Sep 2018	0.9m
SOCOTRA ISLAND NORTH	1037z	05 Sep 2018	1.3m
DAMQAWT	1040z	05 Sep 2018	1.2m
AL GHAYDAH AIRPORT	1044z	05 Sep 2018	1.6m
HUSWAYN	1103z	05 Sep 2018	1.5m
ALQUMRAH	1116z	05 Sep 2018	1.2m
HARRAH	1118z	05 Sep 2018	1.2m
EAST TO HAMI	1121z	05 Sep 2018	0.9m
HAMI	1130z	05 Sep 2018	0.9m
AL MUKALLA	1142z	05 Sep 2018	1.5m
KHANFAR	1229z	05 Sep 2018	0.9m
ADEN	1235z	05 Sep 2018	0.8m
MASILAH WADI	1240z	05 Sep 2018	0.9m
MAALLAH	1248z	05 Sep 2018	1.3m
QAWAH	1300z	05 Sep 2018	0.8m
AL MUALLA	1329z	05 Sep 2018	0.8m
RUDUM	1514z	05 Sep 2018	0.7m
BROM MAYFA	1911z	05 Sep 2018	0.6m
AHWAR	0226z	06 Sep 2018	0.5m

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

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

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

TSUNAMI BULLETIN NUMBER 14
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 1400 UTC Wednesday 05 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: 9.3 M
Depth: 10 km
Date: 05 SEP 2018
Origin Time: 0300UTC
Latitude: 3.3 N
Longitude: 96 E
Location: NORTHERN SUMATRA, INDONESIA

2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.

Maximum wave amplitudes observed so far:

Sabang (INDONESIA)	5.83 N	95.33 E	0325z	05 Sep 2018	8.0m
Meulaboh (INDONESIA)	4.13 N	96.13 E	0340z	05 Sep 2018	8.0m
Telukdalam (INDONESIA)	0.55 N	97.82 E	0345z	05 Sep 2018	6.00m
23227 (INDIA)	6.25 N	88.79 E	0419z	05 Sep 2018	0.46m
23219 (INDIA)	10.5 N	89.28 E	0424z	05 Sep 2018	0.33m
Sibolga (INDONESIA)	1.73 N	98.80 E	0440z	05 Sep 2018	4.00m
Christmas Island (AUSTRALIA)	10.4 S	105.67 E	0500z	05 Sep 2018	0.75m
Nancowry (INDIA)	8.05 N	93.55 E	0515z	05 Sep 2018	5.39m
Trincommalee (SRILANKA)	8.56 N	81.20 E	0536z	05 Sep 2018	1.38m
Langkawi (MALAYSIA)	6.87 N	99.77 E	0606z	05 Sep 2018	2.61m
Cilicap (INDONESIA)	7.75 S	109.01 E	0638z	05 Sep 2018	0.5m
Diego Garcia (UK)	7.29 S	72.39 E	0655z	05 Sep 2018	1.57m
56003 (AUSTRALIA)	15.0 S	117.99 E	0700z	05 Sep 2018	0.09m
Hanimaadhoo (MALDIVE ISLANDS)	6.77 N	73.17 E	0710z	05 Sep 2018	4.13m
Minicoy (INDIA)	8.28 N	73.05 E	0710z	05 Sep 2018	0.34m
Waikelo (INDONESIA)	9.39 S	119.22 E	0810z	05 Sep 2018	0.20m
56001 (AUSTRALIA)	13.9 S	110.00 E	0840z	05 Sep 2018	0.14m
Rodrigue (MAURITIUS)	19.6 S	63.42 E	0909z	05 Sep 2018	1.62m
Kirinda (SRILANKA)	6.20 N	81.32 E	0910z	05 Sep 2018	3.50m
Agalega (MAURITIUS)	10.3 S	56.59 E	0954z	05 Sep 2018	0.53m
Chennai (INDIA)	13.1 N	80.30 E	1001z	05 Sep 2018	3.19m
Tanjung (INDONESIA)	6.48 S	105.66 E	1010z	05 Sep 2018	1.09m

Chabahar (IRAN)	25.3 N	60.60 E	1110z	05 Sep 2018	0.42m
Cochin (INDIA)	9.97 N	76.27 E	1112z	05 Sep 2018	1.19m
Muscat (OMAN)	23.6 N	58.57 E	1118z	05 Sep 2018	0.32m
Salalah (OMAN)	16.9 N	54.01 E	1218z	05 Sep 2018	0.75m
Pemba (MOCAMBIQUE)	12.9 S	40.49 E	1240z	05 Sep 2018	0.50m
Esperance (AUSTRALIA)	33.8 S	121.90 E	1258z	05 Sep 2018	0.88m
Mombasa (KENYA)	4.07 S	39.65 E	1306z	05 Sep 2018	0.49m
Marmagao (INDIA)	15.4 N	73.80 E	1312z	05 Sep 2018	0.76m
Comoros (COMORES)	11.7 S	43.25 E	1324z	05 Sep 2018	0.77m

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

COCOS ISLAND	0519z	05 Sep 2018	0.9m
NINGALOO COAST	0815z	05 Sep 2018	1.1m
PILBARA COAST WEST	0850z	05 Sep 2018	2.2m
GASCOYNE COAST	0852z	05 Sep 2018	1.9m
PILBARA COAST EAST	0922z	05 Sep 2018	1.9m
GERALDTON COAST	0945z	05 Sep 2018	2.3m
PERTH COAST	0957z	05 Sep 2018	1.1m
LEEUEWIN COAST	1012z	05 Sep 2018	1.3m
BUNBURY GEOGRAPHE COAST	1016z	05 Sep 2018	2.2m
WEST KIMBERLY COAST	1033z	05 Sep 2018	1.5m
LANCELIN COAST	1256z	05 Sep 2018	1.3m
HEARD ISLAND AND MCDONALD ISLANDS	1312z	05 Sep 2018	1.9m
AURORA BANK	1417z	05 Sep 2018	0.8m
NORTH KIMBERLY COAST	1740z	05 Sep 2018	0.8m
ALBANY COAST	1806z	05 Sep 2018	0.7m
EUCLA COAST	0116z	06 Sep 2018	0.7m
UPPER WEST COAST SA	0254z	06 Sep 2018	0.7m
ESPERANCE COAST	0258z	06 Sep 2018	0.6m
UPPER SOUTH EAST COAST SA	0331z	06 Sep 2018	0.6m

BANGLADESH

CHALNA	0657z	05 Sep 2018	1.4m
COXS BAZAR	0702z	05 Sep 2018	2.1m
KUTUBDIA ISLAND	0722z	05 Sep 2018	1.8m
BARGUNA	0731z	05 Sep 2018	1.8m

COMOROS

CHEZANI	1148z	05 Sep 2018	1.2m
DZAOUDZI	1403z	05 Sep 2018	0.7m

DJIBOUTI

NW ARTA	1305z	05 Sep 2018	1.7m
---------	-------	-------------	------

MUHAMMAD ALI BIN FATHA SUMANA	1308z	05 Sep 2018	0.9m
FRANCE			

ILE SAINT-PAUL-NORTH	0949z	05 Sep 2018	0.7m
ILE SAINT-PAUL-SOUTH	1005z	05 Sep 2018	1.0m
SAINT-JOSEPH	1009z	05 Sep 2018	0.6m
SAINT-DENIS	1021z	05 Sep 2018	0.6m
ILE KERGUELEN	1230z	05 Sep 2018	4.7m
NES CROZET	1246z	05 Sep 2018	0.7m
ILE DE LA POSSESSION	1248z	05 Sep 2018	1.5m
CROZET PLATEAU	1308z	05 Sep 2018	1.2m
INDIA			

INDIRA POINT	0302z	05 Sep 2018	8.0m
KOMATRA & KATCHAL ISLAND	0325z	05 Sep 2018	6.7m
CAR NICOBAR	0344z	05 Sep 2018	3.8m
LITTLE ANDAMAN	0402z	05 Sep 2018	8.2m
PORT BLAIR	0407z	05 Sep 2018	4.2m
BARREN ISLAND	0411z	05 Sep 2018	1.1m
HAVELOCK	0416z	05 Sep 2018	3.5m
NORTH SENTINEL ISLAND	0422z	05 Sep 2018	3.2m
RANGATH BAY	0425z	05 Sep 2018	3.5m
NARCONDAM ISLAND	0428z	05 Sep 2018	1.1m
DIGLIPUR	0431z	05 Sep 2018	1.8m
WEST & LANDFALL ISLAND	0455z	05 Sep 2018	2.2m
FLAT ISLAND	0458z	05 Sep 2018	3.0m
MARAKKANAM	0533z	05 Sep 2018	2.5m
PUDUCHERRY	0534z	05 Sep 2018	2.8m
CUDDALORE	0535z	05 Sep 2018	2.5m
POOMBUHAR	0536z	05 Sep 2018	3.2m
ENNORE	0540z	05 Sep 2018	3.9m
MAHABALIPURAM	0541z	05 Sep 2018	5.8m
NAGAPATTINAM	0544z	05 Sep 2018	4.8m
MACHILIPATNAM	0545z	05 Sep 2018	3.5m
SRIHARIKOTA	0546z	05 Sep 2018	3.4m
CHENNAI	0546z	05 Sep 2018	4.7m
KARAIKAL	0547z	05 Sep 2018	4.8m
PERUPALEM	0549z	05 Sep 2018	2.9m
KAKINADA	0551z	05 Sep 2018	4.5m
MALLIPATTINAM	0552z	05 Sep 2018	3.1m
MUTHUPET	0552z	05 Sep 2018	3.2m
NIJAMPATTANAM	0553z	05 Sep 2018	4.8m
KOTTAPATNAM	0600z	05 Sep 2018	5.2m
VISAKHAPATNAM	0603z	05 Sep 2018	3.7m
KALINGAPATNAM	0604z	05 Sep 2018	4.5m
KONADA	0609z	05 Sep 2018	4.1m
PURI	0612z	05 Sep 2018	2.3m
RAMESWARAM	0612z	05 Sep 2018	1.8m
GOPALPUR	0613z	05 Sep 2018	4.0m
KOTTTAIPPATTANAM	0615z	05 Sep 2018	2.2m
PARADIP	0615z	05 Sep 2018	2.0m
TUTICORIN	0619z	05 Sep 2018	3.4m
KOODANKULAM	0625z	05 Sep 2018	2.8m
JAMBOO	0632z	05 Sep 2018	2.1m
KANYAKUMARI	0632z	05 Sep 2018	3.8m
TRIVANDRUM	0655z	05 Sep 2018	2.0m
QUILON	0702z	05 Sep 2018	1.4m
DHAMRA	0702z	05 Sep 2018	2.6m
ALLEPPEY ALAPPUZHA	0707z	05 Sep 2018	1.4m

HEMNAGAR	0708z	05 Sep 2018	1.9m
NAMKHANA	0711z	05 Sep 2018	2.1m
CHANDIPUR	0717z	05 Sep 2018	2.2m
DIGHA	0718z	05 Sep 2018	2.3m
KAVARATTI	0737z	05 Sep 2018	0.9m
VADANAPPALLY	0741z	05 Sep 2018	1.3m
VAKKAD	0758z	05 Sep 2018	1.5m
BEYPORE	0801z	05 Sep 2018	1.8m
AGATTI	0804z	05 Sep 2018	1.0m
KANNUR	0809z	05 Sep 2018	1.7m
MAHE	0810z	05 Sep 2018	1.3m
KASARAGOD	0820z	05 Sep 2018	2.0m
KARWAR	1016z	05 Sep 2018	1.4m
UDUPI	1019z	05 Sep 2018	1.6m
JAIGARH	1023z	05 Sep 2018	1.1m
COCHIN	1032z	05 Sep 2018	1.4m
VASCO	1304z	05 Sep 2018	1.2m
PANAJI	1317z	05 Sep 2018	1.0m
MALVAN BAY	1322z	05 Sep 2018	0.8m
MANGROL	1434z	05 Sep 2018	0.8m
PORBANDAR	1444z	05 Sep 2018	0.8m
ALIBAG PORT	1445z	05 Sep 2018	1.0m
DWARKA	1447z	05 Sep 2018	1.0m
HAZIRA, DIU	1454z	05 Sep 2018	0.9m
JAMNAGAR	1455z	05 Sep 2018	1.0m
MANGALORE	1508z	05 Sep 2018	1.7m
MUMBAI	1522z	05 Sep 2018	0.6m
AMINI	1524z	05 Sep 2018	0.6m
PIPAVAV	1645z	05 Sep 2018	0.7m
TARAPUR	1647z	05 Sep 2018	1.0m
MANDVI	1726z	05 Sep 2018	0.7m
MAHUVA	1826z	05 Sep 2018	0.9m
KHAMBAT	1837z	05 Sep 2018	0.7m
DAMAN	2123z	05 Sep 2018	1.0m
BORSI	2126z	05 Sep 2018	1.0m
HAZIRA	2128z	05 Sep 2018	0.9m
BHARUCH	2141z	05 Sep 2018	0.8m

INDONESIA

NAD SIMEULUE P.SIMEULUE	0302z	05 Sep 2018	10.1m
NAD ACEH-SINGKIL KEP.BANYAK	0302z	05 Sep 2018	6.2m
SUMUT NIAS-SELATAN P.NIAS	0302z	05 Sep 2018	5.9m
GUNUNGSITOLI	0302z	05 Sep 2018	4.4m
MUARASIBERUT	0302z	05 Sep 2018	5.8m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0302z	05 Sep 2018	11.6m
SUMUT MANDAILING-NATAL S	0302z	05 Sep 2018	6.0m
SAKUBO	0302z	05 Sep 2018	5.6m
NIAS	0302z	05 Sep 2018	5.3m
SUMUT MANDAILING-NATAL U	0302z	05 Sep 2018	5.7m
SUMUT NIAS-SELATAN P.TANABALA	0302z	05 Sep 2018	5.9m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0303z	05 Sep 2018	6.5m
NAD ACEH-SELATAN U	0303z	05 Sep 2018	9.4m
NAD KOTA-SABANG P.WEH	0303z	05 Sep 2018	7.3m
SUMUT NIAS-SELATAN P.TANAHMASA	0304z	05 Sep 2018	4.5m
NAD ACEH-SELATAN S	0304z	05 Sep 2018	10.8m
NAD KOTA-BANDA-ACEH	0304z	05 Sep 2018	11.4m
JABAR CIAMIS	0304z	05 Sep 2018	2.7m
NIAS-EAST	0304z	05 Sep 2018	7.1m
SUMBAR PADANG-PARIAMAN U	0305z	05 Sep 2018	5.7m
MURASAIBI	0305z	05 Sep 2018	8.3m

NAD ACEH-BARAT-DAYA	0305z	05 Sep 2018	9.5m
SUMUT NIAS B	0305z	05 Sep 2018	6.7m
MUARASIGEP	0306z	05 Sep 2018	5.7m
SUMUT TAPANULI-TENGAH S	0306z	05 Sep 2018	8.1m
SUMBAR AGAM	0307z	05 Sep 2018	5.6m
SUMBAR KOTA-PADANG S	0307z	05 Sep 2018	4.4m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	5.6m
SUMBAR KOTA-PADANG U	0307z	05 Sep 2018	7.5m
NAD ACEH-JAYA	0307z	05 Sep 2018	13.5m
NAD ACEH-BESAR P.BREUEH	0307z	05 Sep 2018	12.9m
NAD ACEH-BARAT	0307z	05 Sep 2018	13.3m
SUMBAR PADANG-PARIAMAN S	0308z	05 Sep 2018	4.8m
SUMUT TAPANULI-SELATAN	0308z	05 Sep 2018	8.2m
NAD ACEH-BESAR P.PENASI	0309z	05 Sep 2018	12.2m
JABAR TASIKMALAYA	0309z	05 Sep 2018	1.0m
NAD NAGAN-RAYA	0310z	05 Sep 2018	17.9m
NAD ACEH-BESAR U	0311z	05 Sep 2018	5.5m
NAD ACEH-BESAR B	0311z	05 Sep 2018	14.8m
NIAS-NORTH	0312z	05 Sep 2018	4.9m
SUMBAR PESISIR-SELATAN U	0313z	05 Sep 2018	4.6m
SUMUT TAPANULI-TENGAH U	0314z	05 Sep 2018	9.6m
SOUTH OF BODAHAYIONE	0315z	05 Sep 2018	5.9m
NAD PIDIE	0316z	05 Sep 2018	2.5m
NAD ACEH-SINGKIL	0316z	05 Sep 2018	5.2m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0316z	05 Sep 2018	4.2m
JATENG CILACAP	0320z	05 Sep 2018	1.9m
SUMBAR PESISIR-SELATAN S	0324z	05 Sep 2018	4.7m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0327z	05 Sep 2018	3.3m
NAD BIREUEN	0329z	05 Sep 2018	2.2m
BENGKULU MUKOMUKO	0336z	05 Sep 2018	2.9m
SUMBAR KOTA-PARIAMAN	0336z	05 Sep 2018	5.3m
NAD ACEH-UTARA B	0339z	05 Sep 2018	1.9m
NAD KOTA-LHOKSEUMAWE	0340z	05 Sep 2018	2.3m
NAD ACEH-UTARA T	0351z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA U	0403z	05 Sep 2018	1.8m
NAD ACEH-TIMUR	0410z	05 Sep 2018	2.7m
BENGKULU BENGKULU-UTARA S	0420z	05 Sep 2018	3.2m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0427z	05 Sep 2018	2.5m
BENGKULU SELUMA	0436z	05 Sep 2018	1.8m
BENGKULU BENGKULU-UTARA P.ENGGANO	0445z	05 Sep 2018	1.4m
BENGKULU BENGKULU-SELATAN	0446z	05 Sep 2018	1.4m
BENGKULU KAUR	0451z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0507z	05 Sep 2018	1.2m
NAD KOTA-LANGSA	0512z	05 Sep 2018	1.7m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0514z	05 Sep 2018	1.0m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0516z	05 Sep 2018	1.3m
JATENG KEBUMEN	0517z	05 Sep 2018	1.4m
LAMPUNG TANGGAMUS B	0522z	05 Sep 2018	2.3m
BANTEN PANDEGLANG P.PANAITAN	0530z	05 Sep 2018	1.9m
NAD ACEH-TAMIANG	0533z	05 Sep 2018	2.7m
LAMPUNG TANGGAMUS T	0542z	05 Sep 2018	2.4m
LAMPUNG TANGGAMUS P.TABUAN	0545z	05 Sep 2018	1.3m
BANTEN PANDEGLANG U	0548z	05 Sep 2018	2.1m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0550z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0555z	05 Sep 2018	1.3m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0556z	05 Sep 2018	2.3m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0601z	05 Sep 2018	1.4m
BANTEN KOTA-CILEGON P.SANGIANG	0610z	05 Sep 2018	1.5m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0613z	05 Sep 2018	1.9m
BANTEN SERANG B	0613z	05 Sep 2018	1.6m
SUMUT LANGKAT	0616z	05 Sep 2018	1.8m

LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0620z	05 Sep 2018	3.0m
BANTEN KOTA-CILEGON	0627z	05 Sep 2018	2.2m
BELAWAN	0641z	05 Sep 2018	1.2m
SUMUT DELISERDANG	0649z	05 Sep 2018	1.5m
JATENG PURWOREJO	0650z	05 Sep 2018	0.9m
DIY KULON-PROGO	0654z	05 Sep 2018	1.1m
SUMUT SERDANG-BEDAGAI	0654z	05 Sep 2018	1.6m
DIY GUNUNG-KIDUL	0702z	05 Sep 2018	1.2m
SUMUT ASAHAN	0711z	05 Sep 2018	1.6m
LABUHAN BATU	0908z	05 Sep 2018	1.7m
BALI DENPASAR PANTAI-SANUR	0918z	05 Sep 2018	1.4m
LAMPUNG LAMPUNG-SELATAN B	0936z	05 Sep 2018	0.9m
BALI TABANAN	0938z	05 Sep 2018	0.8m
JABAR SUKABUMI PELABUHAN-RATU	0940z	05 Sep 2018	1.0m
JABAR SUKABUMI UJUNG-GENTENG	0947z	05 Sep 2018	1.0m
NTB SUMBAWA S	0959z	05 Sep 2018	0.9m
ROKAN HILIR	1106z	05 Sep 2018	0.9m
NTT SUMBA B	1207z	05 Sep 2018	0.8m
NTT MANGGARAI-BARAT P.	1208z	05 Sep 2018	0.9m
DUMAI	1213z	05 Sep 2018	1.0m
NTT MANGGARAI-BARAT S	1216z	05 Sep 2018	0.8m
NTT MANGGARAI S	1217z	05 Sep 2018	0.9m
JATIM JEMBER	1240z	05 Sep 2018	1.4m
JABAR GARUT	1259z	05 Sep 2018	0.9m
JABAR CIANJUR SINDANGBARANG	1303z	05 Sep 2018	0.9m
BANTEN LEBAK	1329z	05 Sep 2018	1.0m
DIY BANTUL	1331z	05 Sep 2018	0.9m
JATIM LUMAJANG	1334z	05 Sep 2018	0.9m
JATENG WONOGIRI	1340z	05 Sep 2018	0.9m
NTB LOMBOK-TENGAH	1341z	05 Sep 2018	0.8m
JATIM TRENGGALEK	1357z	05 Sep 2018	0.8m
JATIM BLITAR	1401z	05 Sep 2018	0.9m
BALI KLUNGKUNG P.NUSAPENIDA	1405z	05 Sep 2018	0.8m
NTB KOTA-BIMA S	1411z	05 Sep 2018	0.9m
NTB SUMBAWA B	1415z	05 Sep 2018	0.8m
BENGKALIS	1418z	05 Sep 2018	0.6m
NTB LOMBOK-TIMUR S	1426z	05 Sep 2018	0.9m
JATIM PACITAN	1513z	05 Sep 2018	1.0m
BANTEN PANDEGLANG S	1557z	05 Sep 2018	1.0m
JATIM MALANG	1642z	05 Sep 2018	0.8m
JATIM JEMBER P.NUSABARUNG	1649z	05 Sep 2018	1.0m
JATIM TULUNGAGUNG	2016z	05 Sep 2018	0.9m
JATIM BANYUWANGI S	2031z	05 Sep 2018	0.6m
NTT SUMBA T	2047z	05 Sep 2018	0.6m
NTB LOMBOK-BARAT S	2113z	05 Sep 2018	0.6m
NTT KUPANG	2140z	05 Sep 2018	0.8m
NTT KOTA-KUPANG	2158z	05 Sep 2018	1.0m
NTT ROTENDAO	2202z	05 Sep 2018	0.8m
NTT NGADA S	2217z	05 Sep 2018	0.8m
NTT FLORES-TIMUR S	2219z	05 Sep 2018	0.7m
NTT ENDE S	2221z	05 Sep 2018	0.6m
NTT LEMBATA S	2221z	05 Sep 2018	0.7m
NTT SIKKA S	2223z	05 Sep 2018	0.6m
PANTE MACASSAR	2230z	05 Sep 2018	0.7m
NTT FLORES-TIMUR P.SOLOR	2230z	05 Sep 2018	0.7m
BALI BADUNG PANTAI-KUTA	2318z	05 Sep 2018	0.8m
NTT ALOR S	0205z	06 Sep 2018	0.6m
NTT BELU U	0223z	06 Sep 2018	0.5m
SIAK	0253z	06 Sep 2018	0.5m

IRAN

BIR	1139z	05 Sep 2018	0.8m	
MISKI	1240z	05 Sep 2018	1.7m	
PUSHT	1517z	05 Sep 2018	0.8m	
KENYA				

KIWAYU	1139z	05 Sep 2018	1.6m	
KIPINI	1146z	05 Sep 2018	1.6m	
MALINDI	1152z	05 Sep 2018	1.5m	
KISIMACHANDE	1212z	05 Sep 2018	2.0m	
MVULENI	1233z	05 Sep 2018	1.1m	
TAKAUNGU	1308z	05 Sep 2018	0.7m	
MADAGASCAR				

VOHEMAR	1050z	05 Sep 2018	1.5m	
ANOROTSANGANA	1058z	05 Sep 2018	0.9m	
TOAMASINA AIRPORT	1106z	05 Sep 2018	1.5m	
TAMPOLO	1122z	05 Sep 2018	1.9m	
AMBAHY	1123z	05 Sep 2018	1.6m	
FARAFAGANA	1127z	05 Sep 2018	1.2m	
GLORIOSO ISLANDS	1130z	05 Sep 2018	1.4m	
MANANTENINA	1141z	05 Sep 2018	1.9m	
SAMPONA	1223z	05 Sep 2018	1.3m	
ANDROKA	1537z	05 Sep 2018	0.9m	
BALY	1732z	05 Sep 2018	1.5m	
TAMOTAMO	1952z	05 Sep 2018	0.8m	
AMBANJA	2202z	05 Sep 2018	0.9m	
MANJA	0331z	06 Sep 2018	0.7m	
MALAYSIA				

SATUN	0556z	05 Sep 2018	1.7m	
YAN	0603z	05 Sep 2018	1.7m	
WEST OF ALOR SETAR	0616z	05 Sep 2018	1.8m	
SEBERANG PERAI UTARA & BARAT DAYA	0632z	05 Sep 2018	2.7m	
SEBERANG PERAI SELATAN	0634z	05 Sep 2018	1.9m	
KUALA MUDA	0639z	05 Sep 2018	2.7m	
KERIAN	0654z	05 Sep 2018	1.8m	
LARUT AND MATANG	0703z	05 Sep 2018	1.5m	
MANJUNG	0717z	05 Sep 2018	2.1m	
HILIR PERAK	0819z	05 Sep 2018	1.9m	
SABAK BERNAM	0858z	05 Sep 2018	1.4m	
KUALA SELANGOR	1029z	05 Sep 2018	1.8m	
KUALA LANGAT	1101z	05 Sep 2018	1.2m	
SEPANG	1218z	05 Sep 2018	1.0m	
PORT DICKSON	1221z	05 Sep 2018	1.0m	
MELAKA TENGAH & JASIN	1404z	05 Sep 2018	0.6m	
JASIN	1427z	05 Sep 2018	0.6m	
PONTIAN	1652z	05 Sep 2018	0.6m	
MALDIVES				

MALE	0612z	05 Sep 2018	4.2m	
KOLHUFUSHI	0614z	05 Sep 2018	3.1m	
DHIYAMIGILI	0616z	05 Sep 2018	4.1m	
THINADHOO	0620z	05 Sep 2018	2.8m	
HITHADHOO	0620z	05 Sep 2018	2.0m	
KULHUDUFFUSHI	0621z	05 Sep 2018	3.4m	
GOIDHOO	0629z	05 Sep 2018	2.2m	

NILANDHOO	0636z	05 Sep 2018	2.4m
FERIDHOO	0637z	05 Sep 2018	2.5m

MAURITIUS

LA FERME	0852z	05 Sep 2018	2.1m
GRANDE REVIERE SUD EST-EAST	0942z	05 Sep 2018	1.5m
AGALEGA ISLAND	0953z	05 Sep 2018	0.6m
CARGADOS CARAJOS	1000z	05 Sep 2018	1.9m
GRANDE REVIERE SUD EST-WEST	1005z	05 Sep 2018	0.6m

MOZAMBIQUE

MAGANJA	1202z	05 Sep 2018	1.2m
QUITERAJO	1225z	05 Sep 2018	0.9m
MERONVI	1227z	05 Sep 2018	1.1m
NANGATA	1229z	05 Sep 2018	1.0m
PEMBA	1230z	05 Sep 2018	1.3m
LUMBO	1237z	05 Sep 2018	1.0m
TAVARI	1301z	05 Sep 2018	0.8m
MAGUEMBA	1428z	05 Sep 2018	1.3m
ZAVALA	1447z	05 Sep 2018	1.1m
XAI-XAI	1453z	05 Sep 2018	0.8m
INHARRIME	1502z	05 Sep 2018	0.9m
VILA DO CHINDE	1508z	05 Sep 2018	1.0m
MALUANA	1528z	05 Sep 2018	1.2m
MAIONGUE	1532z	05 Sep 2018	0.7m
AMADE	1807z	05 Sep 2018	0.6m
MINHAUINE	1852z	05 Sep 2018	0.6m
MOGINCUAL	1947z	05 Sep 2018	0.8m
MAPUTO	1959z	05 Sep 2018	0.8m
OCONE	2118z	05 Sep 2018	1.1m
MOEBASE	2213z	05 Sep 2018	0.8m
NOVA LUSITANIA	2217z	05 Sep 2018	0.8m
NHANGAU	2239z	05 Sep 2018	1.0m
INHASSORO	2250z	05 Sep 2018	0.6m
LURIO	0210z	06 Sep 2018	0.6m

MYANMAR

THAN KYUN	0434z	05 Sep 2018	2.6m
LORD LOUGHBOROUGH ISLAND	0435z	05 Sep 2018	3.0m
GREAT WESTERN TORRES ISLAND	0441z	05 Sep 2018	3.1m
LITTLE COCO ISLAND	0450z	05 Sep 2018	1.6m
PREPARIS ISLAND	0502z	05 Sep 2018	1.3m
KYWEGYAUNG	0553z	05 Sep 2018	2.5m
MALI KYUN	0558z	05 Sep 2018	1.9m
PHARPON	0604z	05 Sep 2018	2.4m
CHEDUBA ISLAND	0605z	05 Sep 2018	2.3m
MAGYIGYAING	0606z	05 Sep 2018	2.6m
MAWYEN	0609z	05 Sep 2018	2.4m
YANGON-S	0628z	05 Sep 2018	2.0m
SITTWE	0630z	05 Sep 2018	1.7m
YE	0633z	05 Sep 2018	1.5m
KYAUKPYU	0634z	05 Sep 2018	2.1m
THAWINCHAUNG	0636z	05 Sep 2018	1.6m

OMAN

SALALAH	1035z	05 Sep 2018	1.6m
HASIK	1038z	05 Sep 2018	1.4m

AD DUQM	1057z	05 Sep 2018	1.1m
MIRBAT	1141z	05 Sep 2018	0.7m
SOHAR	1157z	05 Sep 2018	0.6m
AL ASHKHARAH	1204z	05 Sep 2018	0.7m
TAQAH	1207z	05 Sep 2018	0.7m
EAST MUSANDAM	1218z	05 Sep 2018	1.2m
AL JAZER	1500z	05 Sep 2018	0.9m
SUR	1538z	05 Sep 2018	0.7m
RAS AR RUWAYS	1545z	05 Sep 2018	1.0m
MASIRAH	1623z	05 Sep 2018	0.8m
QURAYYAT	1851z	05 Sep 2018	0.8m
BARKA	1856z	05 Sep 2018	0.5m
MUSCAT	1923z	05 Sep 2018	0.6m

PAKISTAN

ORMARA	1427z	05 Sep 2018	0.9m
WINDER	1448z	05 Sep 2018	1.4m
KARACHI	1511z	05 Sep 2018	1.0m
SINDH	1726z	05 Sep 2018	0.9m

SEYCHELLES

FREGATE ISLAND	0924z	05 Sep 2018	1.9m
COETIVY ISLAND	0941z	05 Sep 2018	0.6m
TAKAMAKA	1034z	05 Sep 2018	2.1m
ILE DESROCHES	1652z	05 Sep 2018	0.5m
FARQUHAR GROUP	1745z	05 Sep 2018	0.5m

SOMALIA

BANDER-BEYLA	1013z	05 Sep 2018	2.8m
EYL	1021z	05 Sep 2018	2.0m
TOOXIN	1021z	05 Sep 2018	4.1m
GALDOGOB	1023z	05 Sep 2018	2.2m
JARIIBAN	1024z	05 Sep 2018	1.4m
ITALA	1032z	05 Sep 2018	1.2m
MAREEG	1032z	05 Sep 2018	1.8m
CEEL DHEER	1032z	05 Sep 2018	2.0m
XARARDHEERE	1034z	05 Sep 2018	2.0m
UARSCIECH	1035z	05 Sep 2018	1.1m
MUQDISHO	1041z	05 Sep 2018	1.5m
ABO	1055z	05 Sep 2018	2.5m
BARAAWE	1056z	05 Sep 2018	1.4m
JILIB	1100z	05 Sep 2018	1.1m
NE BEERNAASI	1108z	05 Sep 2018	1.6m
KAAMBOONI	1115z	05 Sep 2018	1.2m
BEYNAX BARRE	1129z	05 Sep 2018	0.7m
TURDHO	1154z	05 Sep 2018	0.6m
SAYLAC	1302z	05 Sep 2018	0.6m
BAKI	1303z	05 Sep 2018	0.6m
LOYADO	1303z	05 Sep 2018	0.8m
QANDALA	1941z	05 Sep 2018	0.7m

SOUTH AFRICA

LAKE SIBAYI	1422z	05 Sep 2018	1.1m
KOSIMEER	1426z	05 Sep 2018	0.9m
MANDI	1439z	05 Sep 2018	1.2m
FUNK SEAMOUNT	1453z	05 Sep 2018	1.3m
ABORETUM	1459z	05 Sep 2018	0.8m

BIZANA	1506z	05 Sep 2018	0.9m
LUSIKISIKI	1507z	05 Sep 2018	0.7m
KENTANI	1510z	05 Sep 2018	0.8m
WILLOWVALE	1512z	05 Sep 2018	0.8m
KAYSERS BEACH	1516z	05 Sep 2018	1.0m
MARSHSTRAND	1518z	05 Sep 2018	1.0m
GWABALANDA HITAWI	1520z	05 Sep 2018	0.6m
ZIKHOVA	1522z	05 Sep 2018	0.7m
PEDDIE	1530z	05 Sep 2018	0.8m
ALEXANDRIA	1624z	05 Sep 2018	0.8m
PORT DURNFORD	1717z	05 Sep 2018	0.9m
MOSSEL	1724z	05 Sep 2018	1.5m
MARGATE	1737z	05 Sep 2018	0.9m
PORT ELIZABETH	1824z	05 Sep 2018	1.1m
PORT ST JOHNS	1840z	05 Sep 2018	1.1m
BATHURST	1931z	05 Sep 2018	0.8m
GEORGE	2016z	05 Sep 2018	0.8m
HUMANSDORP	2032z	05 Sep 2018	0.9m
HEIDELBERG	2111z	05 Sep 2018	0.8m
WITAAND	2119z	05 Sep 2018	0.8m
BREDASDORP	2138z	05 Sep 2018	1.0m
ELLIOTDALE	2151z	05 Sep 2018	0.6m
GAMTOOS	2154z	05 Sep 2018	0.7m
HANKEY	0318z	06 Sep 2018	0.7m

SRI LANKA

OKANDA	0453z	05 Sep 2018	2.4m
AKKARAIPATTU	0453z	05 Sep 2018	2.7m
KIRINDA	0456z	05 Sep 2018	3.2m
BATTICALOA	0456z	05 Sep 2018	3.0m
POTTUVIL	0458z	05 Sep 2018	2.0m
ANAITIVU	0502z	05 Sep 2018	2.4m
KATTANKUDI	0505z	05 Sep 2018	2.9m
MATARA	0506z	05 Sep 2018	2.4m
PANKULAM	0506z	05 Sep 2018	2.4m
TANGALLE	0508z	05 Sep 2018	2.3m
HAMBANTOTA	0512z	05 Sep 2018	3.5m
MULLAITTIVU	0515z	05 Sep 2018	2.1m
GALLE	0517z	05 Sep 2018	2.4m
AMBALANGODA	0521z	05 Sep 2018	2.3m
CHUNDIKKULAM	0532z	05 Sep 2018	4.7m
BERUWALA	0539z	05 Sep 2018	1.8m
CHAVAKACHCHERI	0544z	05 Sep 2018	2.8m
COLOMBO	0544z	05 Sep 2018	2.2m
MORATUWA	0547z	05 Sep 2018	1.7m
POINT PEDRO	0549z	05 Sep 2018	2.5m
MUNDAL LAKE	0604z	05 Sep 2018	1.6m
NEGOMBO	0605z	05 Sep 2018	1.3m
MANNAR ISLAND	0609z	05 Sep 2018	1.8m
MUSALI	0621z	05 Sep 2018	1.4m

TANZANIA

JIMBO	1158z	05 Sep 2018	1.7m
VUMBI	1159z	05 Sep 2018	1.3m
SONGO SONGO ISLAND	1203z	05 Sep 2018	1.3m
KUTANI	1203z	05 Sep 2018	1.0m
ZANZIBAR	1203z	05 Sep 2018	1.2m
RUUU	1203z	05 Sep 2018	1.6m
VUMBA	1203z	05 Sep 2018	1.3m

MSASANI	1214z	05 Sep 2018	1.4m
WEST TO KONDE	1223z	05 Sep 2018	1.7m
BAGAMOYO	1223z	05 Sep 2018	1.7m
MADANGWA	1225z	05 Sep 2018	0.9m
BOMALANDNI	1230z	05 Sep 2018	1.3m
GAZIJA	1231z	05 Sep 2018	0.8m
THAILAND			

THAI MUEANG	0410z	05 Sep 2018	3.2m
KO RACHA NOI	0413z	05 Sep 2018	3.7m
KOH SURIN TAI	0431z	05 Sep 2018	3.5m
KOH LANTA YAI	0450z	05 Sep 2018	2.4m
THAI MUEANG_TAKUA PA	0450z	05 Sep 2018	3.5m
KOH ROK	0454z	05 Sep 2018	1.9m
MUEANG SATUN	0459z	05 Sep 2018	2.2m
KOH TARUTAO	0548z	05 Sep 2018	3.2m
TIMOR-LESTE			

PANTE MACASSAR	2225z	05 Sep 2018	0.7m
UNITED ARAB EMIRATES			

KALBA	1159z	05 Sep 2018	1.3m
UNITED KINGDOM			

MORESBY ISLAND	0636z	05 Sep 2018	4.8m
DIEGO GARCIA	0641z	05 Sep 2018	2.0m
NW EGMONT ISLAND	0703z	05 Sep 2018	1.1m
YEMEN			

SOCOTRA ISLAND SOUTH	1009z	05 Sep 2018	1.9m
SOCOTRA ISLAND WEST	1032z	05 Sep 2018	0.9m
SOCOTRA ISLAND NORTH	1037z	05 Sep 2018	1.3m
DAMQAWT	1040z	05 Sep 2018	1.2m
AL GHAYDAH AIRPORT	1044z	05 Sep 2018	1.6m
HUSWAYN	1103z	05 Sep 2018	1.5m
ALQUMRAH	1116z	05 Sep 2018	1.2m
HARRAH	1118z	05 Sep 2018	1.2m
EAST TO HAMI	1121z	05 Sep 2018	0.9m
HAMI	1130z	05 Sep 2018	0.9m
AL MUKALLA	1142z	05 Sep 2018	1.5m
KHANFAR	1229z	05 Sep 2018	0.9m
ADEN	1235z	05 Sep 2018	0.8m
MASILAH WADI	1240z	05 Sep 2018	0.9m
MAALLAH	1248z	05 Sep 2018	1.3m
QAWAH	1300z	05 Sep 2018	0.8m
AL MUALLA	1329z	05 Sep 2018	0.8m
RUDUM	1514z	05 Sep 2018	0.7m
BROM MAYFA	1911z	05 Sep 2018	0.6m
AHWAR	0226z	06 Sep 2018	0.5m

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  
#  
#####  
#####
```

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

TSUNAMI BULLETIN NUMBER 15
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 1500 UTC Wednesday 05 September 2018

... 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: 9.3 M
Depth: 10 km
Date: 05 SEP 2018
Origin Time: 0300
Latitude: 3.3 N
Longitude: 96 E
Location: NORTHERN SUMATRA, INDONESIA

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.

Sabang (INDONESIA)	5.83 N	95.33 E	0325z	05 Sep 2018	8.0m
Meulaboh (INDONESIA)	4.13 N	96.13 E	0340z	05 Sep 2018	8.0m
Telukdalam (INDONESIA)	0.55 N	97.82 E	0345z	05 Sep 2018	6.00m
23227 (INDIA)	6.25 N	88.79 E	0419z	05 Sep 2018	0.46m

23219 (INDIA)	10.5 N	89.28 E	0424z	05 Sep 2018	0.33m
Sibolga (INDONESIA)	1.73 N	98.80 E	0440z	05 Sep 2018	4.00m
Christmas Island (AUSTRALIA)	10.4 S	105.67 E	0500z	05 Sep 2018	0.75m
Nancowry (INDIA)	8.05 N	93.55 E	0515z	05 Sep 2018	5.39m
Trincommalee (SRILANKA)	8.56 N	81.20 E	0536z	05 Sep 2018	1.38m
Langkawi (MALAYSIA)	6.87 N	99.77 E	0606z	05 Sep 2018	2.61m
Cilicap (INDONESIA)	7.75 S	109.01 E	0638z	05 Sep 2018	0.5m
Diego Garcia (UK)	7.29 S	72.39 E	0655z	05 Sep 2018	1.57m
56003 (AUSTRALIA)	15.0 S	117.99 E	0700z	05 Sep 2018	0.09m
Hanimaadhoo (MALDIVE ISLANDS)	6.77 N	73.17 E	0710z	05 Sep 2018	4.13m
Minicoy (INDIA)	8.28 N	73.05 E	0710z	05 Sep 2018	0.34m
Waikelo (INDONESIA)	9.39 S	119.22 E	0810z	05 Sep 2018	0.20m
56001 (AUSTRALIA)	13.9 S	110.00 E	0840z	05 Sep 2018	0.14m
Rodrigue (MAURITIUS)	19.6 S	63.42 E	0909z	05 Sep 2018	1.62m
Kirinda (SRILANKA)	6.20 N	81.32 E	0910z	05 Sep 2018	3.50m
Agalega (MAURITIUS)	10.3 S	56.59 E	0954z	05 Sep 2018	0.53m
Chennai (INDIA)	13.1 N	80.30 E	1001z	05 Sep 2018	3.19m
Tanjung (INDONESIA)	6.48 S	105.66 E	1010z	05 Sep 2018	1.09m
Chabahar (IRAN)	25.3 N	60.60 E	1110z	05 Sep 2018	0.42m
Cochin (INDIA)	9.97 N	76.27 E	1112z	05 Sep 2018	1.19m
Muscat (OMAN)	23.6 N	58.57 E	1118z	05 Sep 2018	0.32m
Salalah (OMAN)	16.9 N	54.01 E	1218z	05 Sep 2018	0.75m
Pemba (MOCAMBIQUE)	12.9 S	40.49 E	1240z	05 Sep 2018	0.50m
Esperance (AUSTRALIA)	33.8 S	121.90 E	1258z	05 Sep 2018	0.88m
Mombasa (KENYA)	4.07 S	39.65 E	1306z	05 Sep 2018	0.49m
Marmagao (INDIA)	15.4 N	73.80 E	1312z	05 Sep 2018	0.76m
Comoros (COMORES)	11.7 S	43.25 E	1324z	05 Sep 2018	0.77m
Benoa (INDONESIA)	8.75 S	115.22 E	1412z	05 Sep 2018	0.37m
Pt. LaRue (SEYCHELLES)	4.67 S	55.53 E	1436z	05 Sep 2018	4.25m
Burnie Tasmania (AUSTRALIA)	41.0 S	145.92 E	1450z	05 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.

4. 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

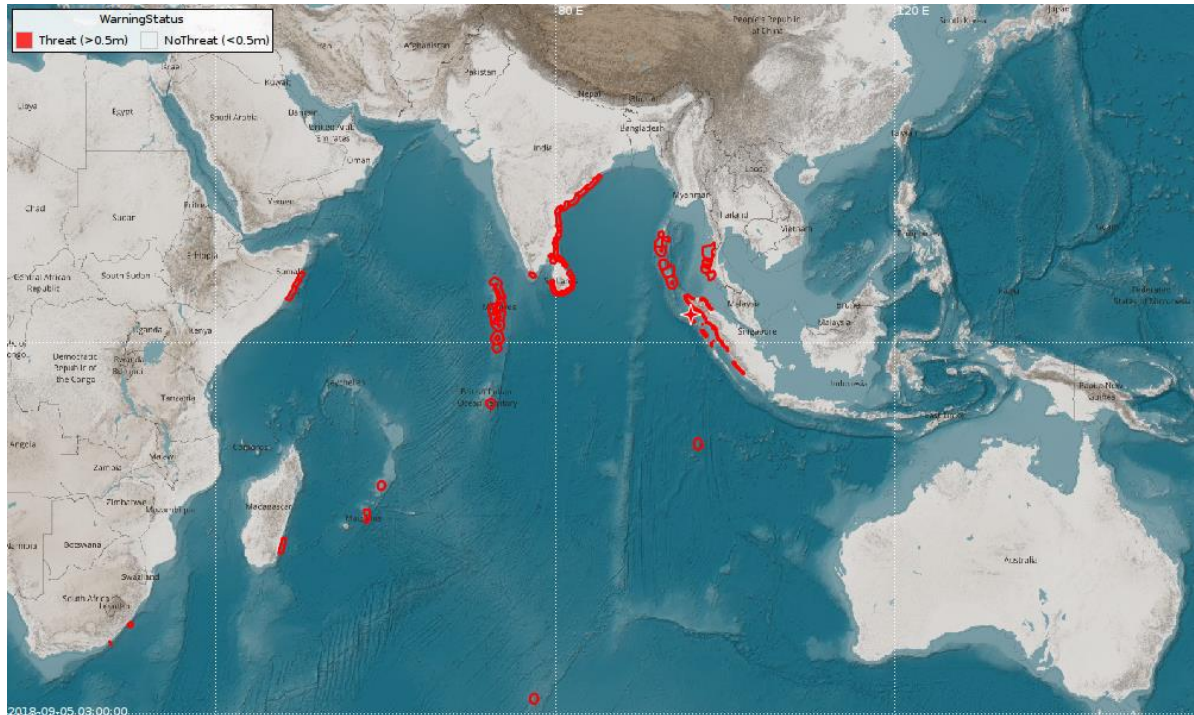
END OF BULLETIN

[illegible]

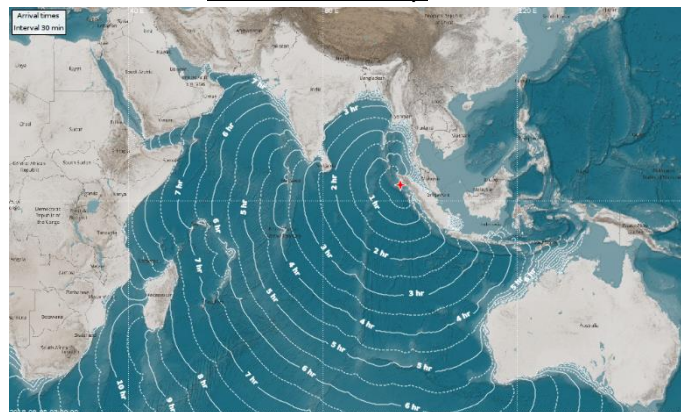
5. TSP INDONESIA MAPS

M 8.5

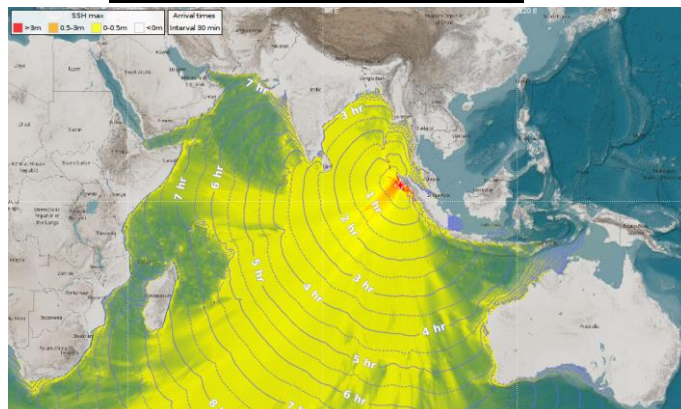
Threat Map



Travel Time Map

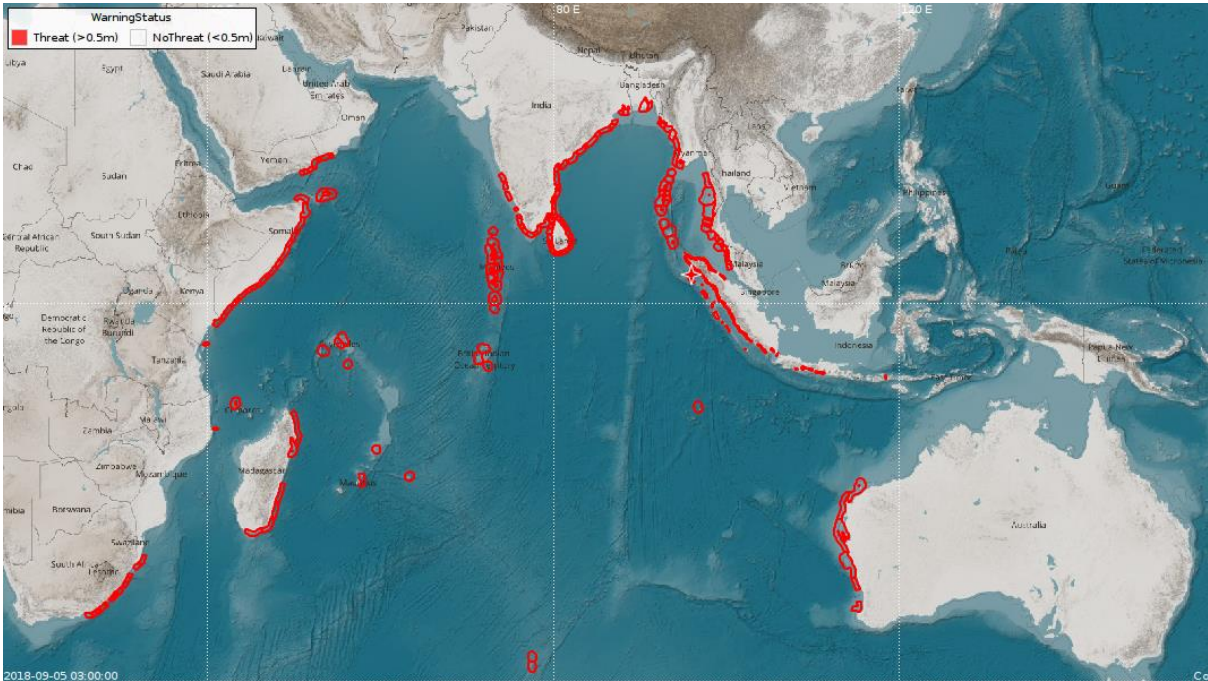


Maximum Wave Amplitude Map



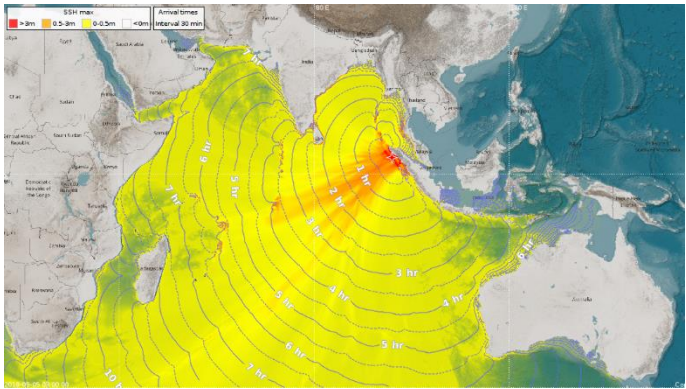
M 8.8

Threat Map



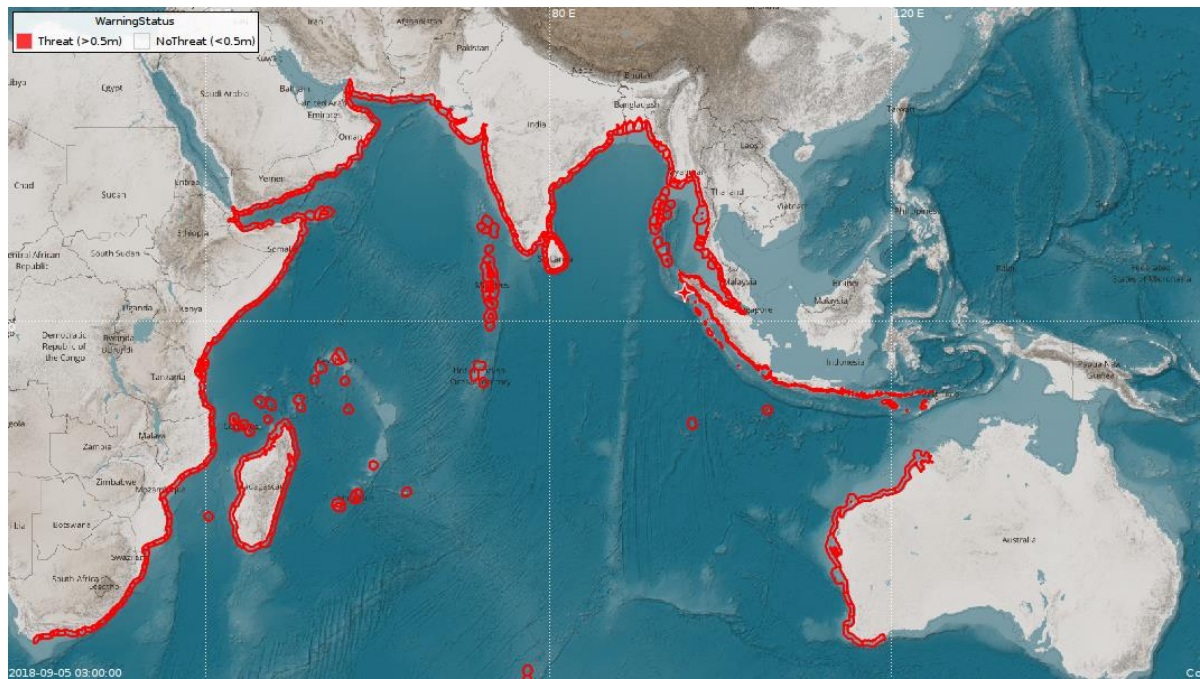
Travel Time Map

Maximum Wave Amplitude Map

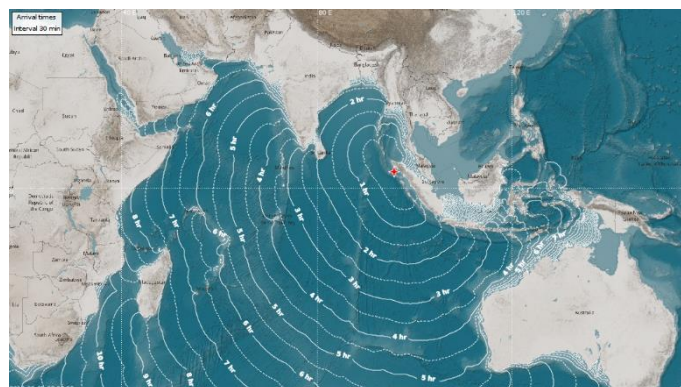


M 9.3

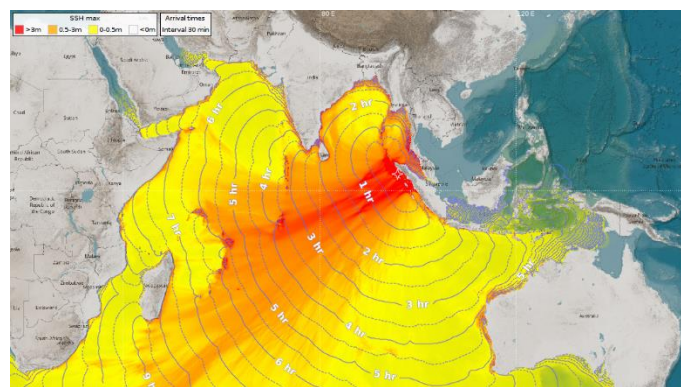
Threat Map



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 TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20180905-0307-001

TSUNAMI BULLETIN NUMBER 1 (TYPE-I EARTHQUAKE BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0307 UTC, Wednesday, 05 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 : 8.5 Mwp
Depth : 10km
Date : 05 Sep 2018
Origin Time: 03:00:00 UTC
Latitude : 3.30N
Longitude : 96.00E
Location : Northern Sumatra, Indonesia

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

BULLETIN 2

TEST TEST TEST TEST TEST IOWave-Sep-2018 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20180905-0312-002

TSUNAMI BULLETIN NUMBER 2 (TYPE-II THREAT ASSESSMENT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0312 UTC, Wednesday, 05 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 : 8.8 Mw (REVISED)
Depth : 10km
Date : 05 Sep 2018
Origin Time: 03:00:00 UTC
Latitude : 3.30N
Longitude : 96.00E
Location : Northern Sumatra, Indonesia

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

COCOS ISLAND 05:04z 05Sep2018 0.68m
GASCOYNE COAST 09:47z 05Sep2018 0.67m
GERALDTON COAST 11:14z 05Sep2018 0.59m
LANCELIN COAST 12:33z 05Sep2018 0.51m
AURORA BANK 14:06z 05Sep2018 1.55m
HEARD ISLAND AND MCDONALD ISLANDS 14:08z 05Sep2018 1.75m
NINGALOO COAST 15:27z 05Sep2018 0.52m

IOC Technical Series, 138 (I) Supplement 2
page 300

PILBARA COAST WEST	16:55z	05Sep2018	0.51m
BUNBURY GEOGRAPHE COAST	16:56z	05Sep2018	0.71m

BANGLADESH

BARGUNA	15:16z	05Sep2018	0.51m
KUTUBDIA ISLAND	16:20z	05Sep2018	0.56m

COMOROS

CHEZANI	16:03z	05Sep2018	0.54m
---------	--------	-----------	-------

FRANCE

ILE SAINT-PAUL-NORTH	09:59z	05Sep2018	0.70m
ILE SAINT-PAUL-SOUTH	10:41z	05Sep2018	0.67m
NES CROZET	12:30z	05Sep2018	1.07m
ILE DE LA POSSESSION	12:31z	05Sep2018	1.29m
CROZET PLATEAU	12:55z	05Sep2018	1.24m
ILE KERGUELEN	14:28z	05Sep2018	1.38m

INDIA

INDIRA POINT	03:48z	05Sep2018	3.12m
KOMATRA AND KATCHAL ISLAND	04:00z	05Sep2018	3.26m
CAR NICOBAR	04:16z	05Sep2018	1.84m
MARAKKANAM	05:53z	05Sep2018	1.39m
CUDDALORE	05:56z	05Sep2018	1.46m
PUDUCHERRY	05:56z	05Sep2018	1.50m
NAGAPATTINAM	05:59z	05Sep2018	1.10m
POOMBUHAR	05:59z	05Sep2018	1.15m
MAHABALIPURAM	06:01z	05Sep2018	2.08m
LITTLE ANDAMAN	06:02z	05Sep2018	2.14m
KARAIKAL	06:03z	05Sep2018	1.17m
MALLIPATTINAM	06:03z	05Sep2018	1.26m
ENNORE	06:04z	05Sep2018	1.39m
MUTHUPET	06:04z	05Sep2018	1.38m
CHENNAI	06:07z	05Sep2018	1.69m
SRIHARIKOTA	06:08z	05Sep2018	1.61m
MACHILIPATNAM	06:09z	05Sep2018	1.39m
PORT BLAIR	06:13z	05Sep2018	1.17m
KAKINADA	06:13z	05Sep2018	1.66m
PERUPALEM	06:13z	05Sep2018	1.63m
NIJAMPATTANAM	06:21z	05Sep2018	1.34m
KOTTAPATNAM	06:24z	05Sep2018	1.74m
VISAKHAPATNAM	06:29z	05Sep2018	1.36m
KOTTTAIPPATTANAM	06:42z	05Sep2018	0.94m
MINICOY	07:13z	05Sep2018	0.51m
HAVELOCK	07:34z	05Sep2018	1.25m
RANGATH BAY	07:53z	05Sep2018	0.91m
PURI	08:09z	05Sep2018	0.88m
KONADA	08:45z	05Sep2018	1.05m
TRIVANDRUM	08:46z	05Sep2018	0.80m
KANYAKUMARI	09:18z	05Sep2018	1.15m
KALINGAPATNAM	09:24z	05Sep2018	1.21m
NORTH SENTINEL ISLAND	09:29z	05Sep2018	1.35m
ALLEPPEY ALAPPUZHA	10:04z	05Sep2018	0.73m
GOPALPUR	10:07z	05Sep2018	1.28m
KOODANKULAM	10:09z	05Sep2018	1.17m
FLAT ISLAND	10:30z	05Sep2018	1.49m
PARADIP	10:46z	05Sep2018	0.65m
QUILON	11:20z	05Sep2018	0.82m
DIGLIPUR	11:57z	05Sep2018	0.73m
WEST AND LANDFALL ISLAND	12:04z	05Sep2018	0.81m

NAMKHANA	12:16z	05Sep2018	0.62m
TUTICORIN	13:01z	05Sep2018	0.77m
KARWAR	13:39z	05Sep2018	0.58m
JAMBOO	13:53z	05Sep2018	0.61m
DIGHA	14:36z	05Sep2018	0.52m
BEYPORE	14:53z	05Sep2018	0.50m
KASARAGOD	14:55z	05Sep2018	0.52m
RAMESWARAM	16:18z	05Sep2018	0.59m
VAKKAD	16:48z	05Sep2018	0.63m
UDUPI	17:24z	05Sep2018	0.52m
COCHIN	17:58z	05Sep2018	0.63m

INDONESIA

NAD SIMEULUE PULAU SIMEULUE	03:00z	05Sep2018	6.62m
SUMUT NIAS BAGIAN TIMUR	03:00z	05Sep2018	5.15m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	03:00z	05Sep2018	8.77m
SUMUT NIAS BAGIAN BARAT	03:00z	05Sep2018	4.63m
NAD ACEH-BESAR PULAU BREUEH	03:15z	05Sep2018	3.15m
NAD ACEH-SELATAN BAGIAN UTARA	03:18z	05Sep2018	10.26m
NAD ACEH-JAYA	03:21z	05Sep2018	13.56m
NAD ACEH-BESAR BAGIAN BARAT	03:21z	05Sep2018	10.68m
NAD NAGAN-RAYA	03:22z	05Sep2018	13.16m
NAD KOTA-SABANG PULAU RONDO	03:23z	05Sep2018	0.78m
SUMUT NIAS-SELATAN PULAU NIAS	03:24z	05Sep2018	3.30m
SUMUT NIAS-SELATAN PULAU TANAHMASA	03:26z	05Sep2018	1.83m
NAD KOTA-SABANG PULAU WEH	03:29z	05Sep2018	1.48m
NAD ACEH-BESAR PULAU PENAS	03:31z	05Sep2018	4.70m
NAD ACEH-BARAT-DAYA	03:32z	05Sep2018	15.29m
NAD ACEH-BARAT	03:33z	05Sep2018	14.94m
NAD ACEH-BESAR BAGIAN UTARA	03:37z	05Sep2018	1.12m
NAD ACEH-SINGKIL	03:40z	05Sep2018	7.29m
NAD KOTA-BANDA-ACEH	03:41z	05Sep2018	4.89m
NAD ACEH-SELATAN BAGIAN SELATAN	03:42z	05Sep2018	10.85m
SUMUT NIAS-SELATAN PULAU TANABALA	03:43z	05Sep2018	1.73m
SUMUT TAPANULI-TENGAH BAGIAN UTARA	03:43z	05Sep2018	3.75m
NAD PIDIE	03:46z	05Sep2018	1.57m
SUMUT TAPANULI-TENGAH KEP. MURSALA	03:55z	05Sep2018	3.48m
SUMUT TAPANULI-TENGAH BAGIAN SELATAN	04:15z	05Sep2018	4.92m
SUMUT TAPANULI-SELATAN	04:21z	05Sep2018	3.50m
NAD KOTA-LHOKSEUMAWA	04:21z	05Sep2018	1.06m
NAD ACEH-UTARA BAGIAN TIMUR	04:35z	05Sep2018	2.37m
SUMUT MANDAILING-NATAL BAGIAN UTARA	04:49z	05Sep2018	4.65m
SUMUT KOTA-SIBOLGA	04:52z	05Sep2018	5.49m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	05:35z	05Sep2018	3.88m
SUMUT NIAS-SELATAN PULAU PINI	05:38z	05Sep2018	2.59m
NAD BIREUEN	05:44z	05Sep2018	0.98m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	06:36z	05Sep2018	1.99m
SUMBAR PASAMAN-BARAT	07:09z	05Sep2018	3.12m
NAD ACEH-UTARA BAGIAN BARAT	07:18z	05Sep2018	0.91m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	07:33z	05Sep2018	1.36m
NAD KOTA-LANGSA	07:46z	05Sep2018	1.07m
NAD ACEH-TIMUR	07:48z	05Sep2018	1.31m
NAD ACEH-TAMIAN	07:59z	05Sep2018	1.17m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	08:29z	05Sep2018	1.41m
SUMBAR KOTA-PADANG BAGIAN SELATAN	08:35z	05Sep2018	1.78m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	08:38z	05Sep2018	1.58m
BENGKULU SELUMA	08:45z	05Sep2018	1.15m
LAMPUNG TANGGAMUS BAGIAN BARAT	08:48z	05Sep2018	1.04m
SUMBAR KOTA-PADANG BAGIAN UTARA	08:56z	05Sep2018	1.39m
LAMPUNG LAMPUNG-SELATAN KEP. SEBUKU	09:04z	05Sep2018	1.26m
SUMBAR KOTA-PARIAMAN	09:08z	05Sep2018	1.93m
SUMBAR KEPULAUAN-MENTAWAI P. SIBERUT	09:20z	05Sep2018	0.75m
SUMBAR KEPULAUAN-MENTAWAI PULAU SIPORA	09:28z	05Sep2018	0.71m
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	09:41z	05Sep2018	0.73m
BENGKULU MUKOMUKO	09:45z	05Sep2018	1.53m
SUMBAR AGAM	10:06z	05Sep2018	1.58m

LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI PANJANG	10:13z	05Sep2018	0.94m
SUMBAR PESISIR-SELATAN BAGIAN UTARA	10:23z	05Sep2018	0.78m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	10:34z	05Sep2018	0.77m
SUMBAR PADANG-PARIAMAN BAGIAN SELATAN	10:39z	05Sep2018	1.12m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	10:39z	05Sep2018	0.66m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	10:39z	05Sep2018	0.66m
BENGKULU BENGKULU-SELATAN	11:09z	05Sep2018	1.09m
LAMPUNG LAMPUNG-SELATAN KEP. KRAKATAU	11:09z	05Sep2018	0.74m
SUMUT KOTA-MEDAN	12:00z	05Sep2018	0.52m
SUMUT LANGKAT	12:08z	05Sep2018	1.29m
BANTEN SERANG BAGIAN BARAT	12:21z	05Sep2018	0.57m
BANTEN KOTA-CILEGON	12:23z	05Sep2018	0.62m
LAMPUNG LAMPUNG-SELATAN KALIANDA	12:45z	05Sep2018	0.64m
JATIM PACITAN	13:11z	05Sep2018	0.57m
NTB DOMPU BAGIAN SELATAN	13:11z	05Sep2018	0.52m
JATENG WONOGIRI	13:23z	05Sep2018	0.56m
JATENG CILACAP	14:07z	05Sep2018	0.65m
LAMPUNG TANGGAMUS PULAU TABUAN	14:47z	05Sep2018	0.72m
LAMPUNG LAMPUNG-SELATAN KEP. LEGUNDI	14:59z	05Sep2018	0.55m
SUMUT DELISERDANG	15:07z	05Sep2018	0.84m
BALI DENPASAR PANTAI-SANUR	15:15z	05Sep2018	0.58m
SUMBAR PESISIR-SELATAN BAGIAN SELATAN	15:23z	05Sep2018	0.73m
JATENG PURWOREJO	15:43z	05Sep2018	0.89m
JATENG KEBUMEN	15:51z	05Sep2018	0.52m
SUMUT ASAHAN	16:02z	05Sep2018	0.52m
DIY GUNUNG-KIDUL	16:09z	05Sep2018	0.51m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	16:24z	05Sep2018	0.59m
JABAR TASIKMALAYA	17:35z	05Sep2018	0.63m

KENYA

KIWAYU	13:54z	05Sep2018	0.57m
MVULENI	15:11z	05Sep2018	0.59m

MADAGASCAR

FARAFAGANA	11:25z	05Sep2018	1.33m
TAMPOLO	13:35z	05Sep2018	0.75m
MANANTENINA	14:19z	05Sep2018	0.84m
AMBAHY	14:56z	05Sep2018	0.79m
SAMPONA	17:19z	05Sep2018	0.60m
VOHEMAR	17:57z	05Sep2018	0.52m

MALAYSIA

SEBERANG PERAI UTARA AND BARAT DAYA	12:03z	05Sep2018	0.89m
KERIAN	12:21z	05Sep2018	0.78m
MANJUNG	12:44z	05Sep2018	0.56m
YAN	13:18z	05Sep2018	0.70m
SATUN	13:27z	05Sep2018	0.67m
WEST OF ALOR SETAR	13:43z	05Sep2018	0.60m
KUALA MUDA	14:10z	05Sep2018	0.59m
LARUT AND MATANG	15:15z	05Sep2018	0.57m

MALDIVES

THINADHOO	06:31z	05Sep2018	1.14m
MALE	06:31z	05Sep2018	1.39m
KOLHUFUSHI	06:31z	05Sep2018	1.12m
HITHADHOO	06:33z	05Sep2018	1.77m
DHIYAMIGILI	06:34z	05Sep2018	1.14m
NILANDHOO	06:56z	05Sep2018	1.20m
KULHUDUFFUSHI	06:59z	05Sep2018	1.42m
FERIDHOO	12:25z	05Sep2018	0.75m

GOIDHOO	15:08z	05Sep2018	0.84m
---------	--------	-----------	-------

MAURITIUS

LA FERME	08:56z	05Sep2018	0.68m
CARGADOS CARAJOS	09:29z	05Sep2018	0.98m
GRANDE REVIERE SUD EST-EAST	09:49z	05Sep2018	0.83m

MOZAMBIQUE

MINHAUINE	15:57z	05Sep2018	0.65m
-----------	--------	-----------	-------

MYANMAR

THAN KYUN	05:09z	05Sep2018	1.44m
MAGYIGYAING	09:48z	05Sep2018	0.86m
GREAT WESTERN TORRES ISLAND	10:02z	05Sep2018	0.65m
LORD LOUGHBOROUGH ISLAND	10:21z	05Sep2018	0.95m
KYWEGYAUNG	10:50z	05Sep2018	0.76m
KYAUKPYU	13:39z	05Sep2018	0.61m
CHEDUBA ISLAND	13:50z	05Sep2018	0.66m
PREPARIS ISLAND	14:04z	05Sep2018	0.66m
MALI KYUN	15:03z	05Sep2018	0.61m
THAWINCHAUNG	15:32z	05Sep2018	0.71m
SITTWE	15:43z	05Sep2018	0.84m
MAWYEN	15:59z	05Sep2018	0.63m
LITTLE COCO ISLAND	17:00z	05Sep2018	0.59m

OMAN

SALALAH	12:58z	05Sep2018	0.77m
TAQAH	17:52z	05Sep2018	0.60m

SEYCHELLES

FREGATE ISLAND	10:10z	05Sep2018	0.97m
COETIVY ISLAND	11:17z	05Sep2018	0.78m
TAKAMAKA	13:01z	05Sep2018	0.79m
ILE DESROCHES	14:52z	05Sep2018	0.51m

SOMALIA

GALDOGOB	10:35z	05Sep2018	1.05m
JARIIBAN	10:39z	05Sep2018	1.44m
EYL	10:44z	05Sep2018	1.11m
XARARDHEERE	10:51z	05Sep2018	0.92m
UARSCIECH	10:51z	05Sep2018	0.74m
MUQDISHO	10:56z	05Sep2018	0.76m
BEYNAX BARRE	11:03z	05Sep2018	0.63m
BARAAWE	11:12z	05Sep2018	0.55m
JILIB	11:18z	05Sep2018	0.51m
ITALA	11:23z	05Sep2018	0.80m
TOOXIN	11:28z	05Sep2018	1.06m
TURDHO	13:46z	05Sep2018	0.52m
KAAMBOONI	13:50z	05Sep2018	0.56m
ABO	14:16z	05Sep2018	0.89m
CEEL DHEER	14:28z	05Sep2018	0.81m
NE BEERNAASI	15:52z	05Sep2018	0.63m
MAREEG	16:22z	05Sep2018	0.79m
BANDER-BEYLA	17:13z	05Sep2018	0.81m

SOUTH AFRICA

FUNK SEAMOUNT	14:08z	05Sep2018	0.97m
GWABALANDA HITAWI	15:08z	05Sep2018	0.65m
PORT ST JOHNS	15:12z	05Sep2018	0.66m
LUSIKISIKI	15:14z	05Sep2018	0.81m
ELLIOTDALE	15:17z	05Sep2018	0.58m
MARSHSTRAND	15:30z	05Sep2018	0.81m
KAYSERS BEACH	15:43z	05Sep2018	0.80m
PORT DURNFORD	15:57z	05Sep2018	0.56m
BATHURST	16:03z	05Sep2018	0.51m
ALEXANDRIA	16:06z	05Sep2018	0.53m
NGQUELENI	16:30z	05Sep2018	0.85m
ZIKHOVA	16:44z	05Sep2018	0.76m
MARGATE	16:46z	05Sep2018	0.69m
WILLOWVALE	17:33z	05Sep2018	0.63m
KELSO	17:34z	05Sep2018	0.52m
MANDI	17:42z	05Sep2018	0.52m
PEDDIE	17:55z	05Sep2018	0.80m

SRI LANKA

BATTICALOA	05:11z	05Sep2018	2.06m
KIRINDA	05:11z	05Sep2018	1.85m
AKKARAIPATTU	05:11z	05Sep2018	1.28m
OKANDA	05:17z	05Sep2018	2.10m
POTTUVIL	05:20z	05Sep2018	1.69m
KATTANKUDI	05:21z	05Sep2018	2.10m
TANGALLE	05:22z	05Sep2018	1.93m
PANKULAM	05:24z	05Sep2018	1.21m
ANAITIVU	05:26z	05Sep2018	0.98m
MATARA	05:29z	05Sep2018	1.68m
HAMBANTOTA	05:33z	05Sep2018	2.42m
MULLAITTIVU	05:33z	05Sep2018	1.30m
GALLE	05:35z	05Sep2018	1.97m
CHUNDIKKULAM	05:50z	05Sep2018	1.50m
AMBALANGODA	05:54z	05Sep2018	1.15m
CHAVAKACHCHERI	05:57z	05Sep2018	1.29m
POINT PEDRO	05:59z	05Sep2018	1.36m
BERUWALA	07:11z	05Sep2018	1.14m
MORATUWA	07:18z	05Sep2018	1.23m
COLOMBO	08:54z	05Sep2018	1.07m
MANNAR ISLAND	09:46z	05Sep2018	0.79m
NEGOMBO	11:06z	05Sep2018	0.88m
MUNDAL LAKE	11:13z	05Sep2018	0.76m
MUSALI	17:52z	05Sep2018	0.54m

THAILAND

THAI MUEANG	04:44z	05Sep2018	1.69m
KO RACHA NOI	05:09z	05Sep2018	1.49m
KOH SURIN TAI	05:20z	05Sep2018	1.61m
THAI MUEANG_TAKUA PA	05:24z	05Sep2018	1.70m
KOH LANTA YAI	05:32z	05Sep2018	0.75m
MUEANG SATUN	09:35z	05Sep2018	0.63m
KOH TARUTAO	11:34z	05Sep2018	1.01m
KOH ROK	11:38z	05Sep2018	0.60m

UNITED KINGDOM

MORESBY ISLAND	06:50z	05Sep2018	1.31m
DIEGO GARCIA	06:52z	05Sep2018	1.86m
NW EGMONT ISLAND	07:13z	05Sep2018	1.08m

YEMEN

SOCOTRA ISLAND SOUTH	11:09z 05Sep2018	0.93m
ALQUMRAH	12:41z 05Sep2018	0.55m
MASILAH WADI	12:43z 05Sep2018	0.59m
SOCOTRA ISLAND NORTH	13:26z 05Sep2018	0.64m
DAMQAWT	13:38z 05Sep2018	0.54m
AL GHAYDAH AIRPORT	14:12z 05Sep2018	0.71m
HUSWAYN	15:18z 05Sep2018	0.77m

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/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 3

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-20180905-0330-003

TSUNAMI BULLETIN NUMBER 3 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0330 UTC, Wednesday, 05 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 : 9.3 Mw (REVISED)
Depth : 10km
Date : 05 Sep 2018
Origin Time: 03:00:00 UTC
Latitude : 3.30N
Longitude : 96.00E
Location : Northern Sumatra, Indonesia

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
Sabang	INDONESIA	5.83N	95.33E	8.00	3:25	Sep 05, 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

COCOS ISLAND	04:43z 05Sep2018	1.67m
CHRISTMAS ISLAND	05:08z 05Sep2018	1.29m
NINGALOO COAST	07:19z 05Sep2018	1.51m
PILBARA COAST WEST	08:10z 05Sep2018	1.82m
GASCOYNE COAST	08:32z 05Sep2018	2.62m

LANCELIN COAST	08:43z	05Sep2018	1.17m
PERTH COAST	09:02z	05Sep2018	1.55m
BUNBURY GEOGRAPHE COAST	09:17z	05Sep2018	2.53m
GERALDTON COAST	09:52z	05Sep2018	1.43m
HEARD ISLAND AND MCDONALD ISLANDS	12:43z	05Sep2018	2.71m
AURORA BANK	12:48z	05Sep2018	1.56m
LEEUVIN COAST	13:24z	05Sep2018	1.24m
ALBANY COAST	14:36z	05Sep2018	0.70m
PILBARA COAST EAST	14:52z	05Sep2018	1.26m
WEST KIMBERLY COAST	16:17z	05Sep2018	0.55m

BANGLADESH

COXS BAZAR	06:44z	05Sep2018	1.68m
KUTUBDIA ISLAND	06:51z	05Sep2018	1.72m
CHALNA	07:17z	05Sep2018	1.35m
BARGUNA	07:23z	05Sep2018	1.55m

COMOROS

BAMBAO	11:26z	05Sep2018	1.11m
CHEZANI	11:33z	05Sep2018	1.53m
FOMBONI	11:39z	05Sep2018	1.33m
DZAOUDZI	16:34z	05Sep2018	0.99m

DJIBOUTI

NW ARTA	12:58z	05Sep2018	1.72m
MUHAMMAD ALI BIN FATHA SUMANA	13:08z	05Sep2018	0.95m

FRANCE

ILE SAINT-PAUL-NORTH	09:33z	05Sep2018	1.74m
ILE SAINT-PAUL-SOUTH	09:43z	05Sep2018	1.77m
SAINT - JOSEPH	10:02z	05Sep2018	1.23m
SAINT-DENIS	10:07z	05Sep2018	1.09m
NES CROZET	12:07z	05Sep2018	2.32m
ILE DE LA POSSESSION	12:08z	05Sep2018	2.42m
CROZET PLATEAU	12:30z	05Sep2018	2.87m
ILE KERGUELEN	12:32z	05Sep2018	4.22m

INDIA

INDIRA POINT	03:00z	05Sep2018	8.78m
KOMATRA AND KATCHAL ISLAND	03:23z	05Sep2018	7.79m
CAR NICOBAR	03:37z	05Sep2018	5.67m
LITTLE ANDAMAN	04:08z	05Sep2018	5.52m
NORTH SENTINEL ISLAND	04:13z	05Sep2018	3.87m
PORT BLAIR	04:25z	05Sep2018	3.75m
BARREN ISLAND	04:25z	05Sep2018	1.77m
HAVELOCK	04:39z	05Sep2018	3.82m
WEST AND LANDFALL ISLAND	04:39z	05Sep2018	2.35m
RANGATH BAY	04:39z	05Sep2018	3.45m
NARCONDAM ISLAND	04:47z	05Sep2018	2.29m
FLAT ISLAND	04:47z	05Sep2018	5.24m
DIGLIPUR	04:50z	05Sep2018	1.99m
MARAKKANAM	05:27z	05Sep2018	2.70m
PUDUCHERRY	05:30z	05Sep2018	4.02m
CUDDALORE	05:31z	05Sep2018	3.48m
POOMBUHAR	05:33z	05Sep2018	3.55m
NAGAPATTINAM	05:35z	05Sep2018	3.50m
ENNORE	05:35z	05Sep2018	4.08m
MAHABALIPURAM	05:37z	05Sep2018	5.75m

KARAIKAL	05:37z	05Sep2018	3.77m
MALLIPATTINAM	05:38z	05Sep2018	3.88m
MUTHUPET	05:38z	05Sep2018	4.73m
CHENNAI	05:40z	05Sep2018	4.67m
MACHILIPATNAM	05:40z	05Sep2018	3.47m
SRIHARIKOTA	05:42z	05Sep2018	3.76m
NIJAMPATTANAM	05:42z	05Sep2018	3.50m
KAKINADA	05:43z	05Sep2018	3.72m
PERUPALEM	05:44z	05Sep2018	4.11m
KOTTAPATNAM	05:52z	05Sep2018	4.67m
KONADA	05:54z	05Sep2018	2.90m
VISAKHAPATNAM	05:54z	05Sep2018	3.68m
PURI	05:58z	05Sep2018	2.27m
KALINGAPATNAM	05:59z	05Sep2018	3.28m
RAMESWARAM	06:06z	05Sep2018	2.44m
KOTTTAIPPATTANAM	06:06z	05Sep2018	3.24m
GOPALPUR	06:07z	05Sep2018	3.95m
PARADIP	06:10z	05Sep2018	2.44m
TUTICORIN	06:10z	05Sep2018	3.16m
KOODANKULAM	06:17z	05Sep2018	3.73m
JAMBOO	06:19z	05Sep2018	2.10m
DHAMRA	06:35z	05Sep2018	1.89m
TRIVANDRUM	06:38z	05Sep2018	3.31m
ALLEPPEY ALAPPUZHA	06:42z	05Sep2018	2.51m
MINICOY	06:42z	05Sep2018	1.41m
KANYAKUMARI	06:43z	05Sep2018	4.07m
HEMNAGAR	06:44z	05Sep2018	1.64m
CHANDIPUR	06:52z	05Sep2018	2.03m
DIGHA	06:54z	05Sep2018	2.04m
NAMKHANA	06:57z	05Sep2018	1.89m
QUILON	06:58z	05Sep2018	2.58m
ANDROTH	07:21z	05Sep2018	1.29m
COCHIN	07:22z	05Sep2018	2.53m
VAKKAD	07:26z	05Sep2018	1.99m
KAVARATTI	07:27z	05Sep2018	1.34m
BEYPORE	07:39z	05Sep2018	2.26m
VADANAPPALLY	07:41z	05Sep2018	2.10m
AGATTI	07:46z	05Sep2018	1.29m
AMINI	07:55z	05Sep2018	1.28m
KANNUR	08:08z	05Sep2018	2.10m
MAHE	08:08z	05Sep2018	2.31m
KASARAGOD	08:20z	05Sep2018	2.14m
MANGALORE	08:32z	05Sep2018	1.99m
UDUPI	08:45z	05Sep2018	1.93m
VASCO	09:14z	05Sep2018	2.09m
PANAJI	09:15z	05Sep2018	1.93m
KARWAR	09:17z	05Sep2018	2.32m
MALVAN BAY	09:34z	05Sep2018	1.52m
JAIGARH	10:10z	05Sep2018	1.34m
ALIBAG PORT	10:55z	05Sep2018	1.37m
PORBANDAR	13:44z	05Sep2018	1.01m
MANGROL	14:12z	05Sep2018	1.24m
MANDVI	14:35z	05Sep2018	0.87m
HAZIRA, DIU	14:36z	05Sep2018	1.05m
DWARKA	14:45z	05Sep2018	1.35m
JAMNAGAR	14:45z	05Sep2018	1.06m
MUMBAI	15:22z	05Sep2018	0.99m
MAHUVA	15:53z	05Sep2018	0.67m
KHAMBAT	15:55z	05Sep2018	0.59m
TARAPUR	16:05z	05Sep2018	0.92m
PIPAVAV	16:17z	05Sep2018	0.85m
HAZIRA	16:38z	05Sep2018	0.55m
BORSI	16:40z	05Sep2018	0.59m
DAMAN	16:52z	05Sep2018	0.77m
BHARUCH	17:48z	05Sep2018	0.57m

INDONESIA

NAD SIMEULUE PULAU SIMEULUE	03:00z 05Sep2018	17.54m
SUMUT NIAS-SELATAN PULAU TANAHMASA	03:00z 05Sep2018	13.11m
SUMUT NIAS BAGIAN BARAT	03:00z 05Sep2018	18.40m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	03:00z 05Sep2018	17.48m
SUMUT NIAS-SELATAN PULAU NIAS	03:00z 05Sep2018	17.63m
SUMUT NIAS-SELATAN PULAU PINI	03:00z 05Sep2018	16.06m
SUMUT NIAS BAGIAN TIMUR	03:00z 05Sep2018	14.08m
SUMUT NIAS-SELATAN PULAU TANABALA	03:03z 05Sep2018	9.96m
NAD KOTA-SABANG PULAU RONDO	03:11z 05Sep2018	7.55m
NAD KOTA-SABANG PULAU WEH	03:13z 05Sep2018	18.07m
NAD ACEH-SELATAN BAGIAN UTARA	03:14z 05Sep2018	19.40m
NAD ACEH-BESAR PULAU PENAS	03:17z 05Sep2018	33.35m
NAD ACEH-JAYA	03:18z 05Sep2018	30.14m
NAD ACEH-BESAR BAGIAN BARAT	03:18z 05Sep2018	45.23m
NAD NAGAN-RAYA	03:18z 05Sep2018	17.42m
NAD ACEH-BESAR PULAU BREUEH	03:19z 05Sep2018	17.44m
SUMBAR KEPULAUAN-MENTAWAI P. SIBERUT	03:20z 05Sep2018	2.71m
NAD KOTA-BANDA-ACEH	03:22z 05Sep2018	25.31m
NAD ACEH-BARAT	03:24z 05Sep2018	26.66m
NAD ACEH-BESAR BAGIAN UTARA	03:25z 05Sep2018	13.00m
NAD ACEH-BARAT-DAYA	03:27z 05Sep2018	28.68m
NAD PIDIE	03:32z 05Sep2018	15.65m
SUMUT TAPANULI-TENGAH KEP. MURSALA	03:34z 05Sep2018	12.39m
NAD ACEH-SELATAN BAGIAN SELATAN	03:34z 05Sep2018	39.20m
NAD ACEH-SINGKIL	03:35z 05Sep2018	24.13m
SUMUT TAPANULI-TENGAH BAGIAN UTARA	03:35z 05Sep2018	17.96m
SUMBAR KEPULAUAN-MENTAWAI PULAU SIPORA	03:37z 05Sep2018	2.59m
SUMUT TAPANULI-TENGAH BAGIAN SELATAN	03:47z 05Sep2018	17.82m
NAD BIREUEN	03:48z 05Sep2018	7.16m
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	03:48z 05Sep2018	1.88m
SUMUT TAPANULI-SELATAN	03:48z 05Sep2018	16.67m
SUMUT MANDAILING-NATAL BAGIAN UTARA	03:51z 05Sep2018	19.71m
NAD ACEH-UTARA BAGIAN BARAT	03:53z 05Sep2018	9.18m
NAD KOTA-LHOKSEUMAWA	03:58z 05Sep2018	9.13m
SUMBAR KOTA-PADANG BAGIAN SELATAN	04:00z 05Sep2018	8.69m
SUMBAR PASAMAN-BARAT	04:02z 05Sep2018	14.77m
SUMBAR PADANG-PARIAMAN BAGIAN SELATAN	04:07z 05Sep2018	4.23m
SUMBAR AGAM	04:07z 05Sep2018	9.84m
SUMBAR KOTA-PADANG BAGIAN UTARA	04:07z 05Sep2018	5.88m
SUMBAR KOTA-PARIAMAN	04:09z 05Sep2018	5.12m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	04:09z 05Sep2018	20.40m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	04:12z 05Sep2018	5.19m
NAD ACEH-UTARA BAGIAN TIMUR	04:15z 05Sep2018	12.26m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	04:16z 05Sep2018	2.25m
SUMUT KOTA-SIBOLGA	04:20z 05Sep2018	20.76m
SUMBAR PESISIR-SELATAN BAGIAN UTARA	04:31z 05Sep2018	3.69m
SUMBAR PESISIR-SELATAN BAGIAN SELATAN	04:36z 05Sep2018	3.75m
BENGKULU KAUR	04:37z 05Sep2018	2.16m
BENGKULU MUKOMUKO	04:39z 05Sep2018	4.49m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	04:40z 05Sep2018	2.20m
BENGKULU SELUMA	04:40z 05Sep2018	5.19m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	04:41z 05Sep2018	4.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	04:41z 05Sep2018	2.17m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	04:42z 05Sep2018	2.28m
BENGKULU BENGKULU-SELATAN	04:46z 05Sep2018	4.83m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	04:48z 05Sep2018	8.00m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	04:50z 05Sep2018	5.85m
BANTEN PANDEGLANG PULAU PANAITAN	04:51z 05Sep2018	1.54m
BANTEN LEBAK	05:04z 05Sep2018	1.74m
LAMPUNG TANGGAMUS BAGIAN TIMUR	05:06z 05Sep2018	2.32m
LAMPUNG LAMPUNG-SELATAN KEP. LEGUNDI	05:07z 05Sep2018	2.26m
JABAR SUKABUMI PELABUHAN-RATU	05:08z 05Sep2018	2.30m
LAMPUNG TANGGAMUS BAGIAN BARAT	05:11z 05Sep2018	4.60m
LAMPUNG TANGGAMUS PULAU TABUAN	05:12z 05Sep2018	2.71m
LAMPUNG LAMPUNG-SELATAN KEP. KRAKATAU	05:13z 05Sep2018	2.36m
JABAR SUKABUMI UJUNG-GENTENG	05:15z 05Sep2018	1.39m
LAMPUNG LAMPUNG-SELATAN KEP. SEBUKU	05:20z 05Sep2018	3.00m

JABAR CIANJUR SINDANGBARANG	05:26z 05Sep2018	1.18m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	05:52z 05Sep2018	1.25m
NAD ACEH-TIMUR	05:56z 05Sep2018	6.36m
NAD KOTA-LANGSA	05:59z 05Sep2018	6.98m
NAD ACEH-TAMANG	06:00z 05Sep2018	6.63m
DIY BANTUL	06:00z 05Sep2018	1.84m
JATENG WONOGIRI	06:03z 05Sep2018	1.16m
DIY GUNUNG-KIDUL	06:03z 05Sep2018	1.48m
JABAR CIAMIS	06:04z 05Sep2018	1.58m
DIY KULON-PROGO	06:04z 05Sep2018	1.64m
BANTEN SERANG BAGIAN BARAT	06:05z 05Sep2018	1.78m
JATENG PURWOREJO	06:08z 05Sep2018	2.29m
JATENG KEBUMEN	06:09z 05Sep2018	2.38m
JATENG CILACAP	06:15z 05Sep2018	2.25m
LAMPUNG LAMPUNG-SELATAN KALIANDA	06:16z 05Sep2018	2.60m
JATIM TULUNGAGUNG	06:17z 05Sep2018	1.06m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI PANJANG	06:23z 05Sep2018	3.97m
JATIM BLITAR	06:24z 05Sep2018	1.43m
BANTEN KOTA-CILEGON	06:32z 05Sep2018	2.18m
JATIM JEMBER PULAU NUSABARUNG	06:38z 05Sep2018	1.57m
JABAR TASIKMALAYA	06:38z 05Sep2018	1.83m
SUMUT LANGKAT	06:59z 05Sep2018	5.27m
SUMUT KOTA-MEDAN	07:24z 05Sep2018	6.16m
SUMUT DELISERDANG	07:26z 05Sep2018	4.60m
BALI JEMBRANA	07:37z 05Sep2018	2.14m
SUMUT SERDANG-BEDAGAI	07:54z 05Sep2018	4.77m
SUMUT ASAHAN	08:24z 05Sep2018	3.34m
BANTEN KOTA-CILEGON PULAU SANGIA	08:56z 05Sep2018	1.25m
SUMUT LABUHANBATU	09:56z 05Sep2018	1.92m
JATIM PACITAN	10:00z 05Sep2018	1.62m
LAMPUNG LAMPUNG-SELATAN BAGIAN BARAT	10:01z 05Sep2018	2.34m
BANTEN PANDEGLANG BAGIAN SELATAN	11:08z 05Sep2018	1.96m
NTB SUMBAWA BAGIAN SELATAN	11:30z 05Sep2018	0.87m
NTB DOMPU BAGIAN SELATAN	11:42z 05Sep2018	1.97m
NTT KEPULAUAN MANGGARAI-BARAT	11:57z 05Sep2018	1.38m
BANTEN PANDEGLANG BAGIAN UTARA	12:04z 05Sep2018	1.60m
NTT NGADA BAGIAN SELATAN	12:27z 05Sep2018	0.74m
JATIM JEMBER	12:32z 05Sep2018	1.60m
RIAU ROKAN-HILIR	12:37z 05Sep2018	1.90m
NTT FLORES-TIMUR PULAU ADONARA	12:46z 05Sep2018	0.57m
BALI DENPASAR PANTAI-SANUR	12:50z 05Sep2018	1.41m
BALI TABANAN	12:53z 05Sep2018	1.43m
JATIM TRENGGALEK	13:09z 05Sep2018	1.59m
RIAU BENGKALIS	13:12z 05Sep2018	1.28m
JABAR GARUT	13:14z 05Sep2018	1.21m
NTT MANGGARAI-BARAT BAGIAN SELATAN	13:26z 05Sep2018	1.20m
NTT MANGGARAI BAGIAN SELATAN	13:33z 05Sep2018	0.69m
JATIM MALANG	13:39z 05Sep2018	1.12m
NTB LOMBOK-TIMUR BAGIAN SELATAN	13:42z 05Sep2018	1.22m
BALI BADUNG PANTAI-KUTA	13:43z 05Sep2018	1.49m
NTB SUMBAWA BAGIAN BARAT	13:47z 05Sep2018	0.88m
JATIM LUMAJANG	13:48z 05Sep2018	1.35m
NTB LOMBOK-TENGAH	13:51z 05Sep2018	1.22m
JATIM BANYUWANGI BAGIAN SELATAN	13:58z 05Sep2018	1.21m
BALI KARANG-ASEM BAGIAN SELATAN	13:59z 05Sep2018	0.93m
NTB KOTA-MATARAM	14:02z 05Sep2018	1.00m
NTB LOMBOK-TIMUR BAGIAN TIMUR	14:09z 05Sep2018	1.28m
NTB LOMBOK-BARAT BAGIAN SELATAN	14:10z 05Sep2018	0.90m
JATIM BANYUWANGI BAGIAN TIMUR	14:19z 05Sep2018	1.00m
BALI KLUNGKUNG	14:40z 05Sep2018	0.99m
BALI GIANYAR	15:26z 05Sep2018	1.33m
NTT SUMBA BAGIAN TIMUR	15:28z 05Sep2018	0.99m
NTT LEMBATA BAGIAN SELATAN	15:37z 05Sep2018	0.64m
NTT SUMBA BAGIAN BARAT	15:41z 05Sep2018	1.17m
NTB BIMA PULAU GILI	15:57z 05Sep2018	0.77m
NTT FLORES-TIMUR PULAU SOLOR	16:08z 05Sep2018	0.57m
NTT ALOR BAGIAN SELATAN	16:08z 05Sep2018	0.60m
BALI KLUNGKUNG PULAU NUSAPENIDA	16:21z 05Sep2018	0.98m

NTT KUPANG	16:27z 05Sep2018	0.58m
NTT ENDE BAGIAN SELATAN	16:35z 05Sep2018	0.83m
NTT SIKKA BAGIAN SELATAN	16:36z 05Sep2018	0.55m
NTB KOTA-BIMA BAGIAN SELATAN	17:21z 05Sep2018	1.00m

IRAN

PUSHT	10:53z 05Sep2018	1.11m
BIR	11:05z 05Sep2018	0.81m
MISKI	12:55z 05Sep2018	0.71m

KENYA

KIWAYU	11:32z 05Sep2018	2.63m
KIPINI	11:47z 05Sep2018	1.94m
TAKAUNGU	11:50z 05Sep2018	1.79m
MALINDI	11:54z 05Sep2018	2.19m
MVULENI	11:57z 05Sep2018	1.99m
KISIMACHANDE	11:59z 05Sep2018	1.67m

MADAGASCAR

VOHEMAR	10:41z 05Sep2018	2.13m
ANOROTSANGANA	10:42z 05Sep2018	1.84m
TOAMASINA AIRPORT	10:55z 05Sep2018	1.74m
TAMPOLO	10:55z 05Sep2018	3.85m
FARAFAGANA	11:12z 05Sep2018	4.48m
AMBAHY	11:13z 05Sep2018	3.38m
MANANTENINA	11:45z 05Sep2018	3.07m
SAMPONA	12:24z 05Sep2018	2.82m
EUROPA ISLAND	12:52z 05Sep2018	0.90m
AMBANJA	13:30z 05Sep2018	0.86m
MANJA	13:35z 05Sep2018	0.74m
GLORIOSO ISLANDS	14:59z 05Sep2018	0.96m
BALY	16:56z 05Sep2018	0.79m
ANDROKA	17:08z 05Sep2018	0.68m
TAMOTAMO	17:25z 05Sep2018	0.52m

MALAYSIA

SATUN	06:12z 05Sep2018	3.72m
YAN	06:13z 05Sep2018	3.57m
WEST OF ALOR SETAR	06:40z 05Sep2018	3.49m
SEBERANG PERAI UTARA AND BARAT DAYA	06:44z 05Sep2018	4.99m
SEBERANG PERAI SELATAN	06:45z 05Sep2018	4.21m
KUALA MUDA	06:49z 05Sep2018	2.81m
KERIAN	07:06z 05Sep2018	4.34m
LARUT AND MATANG	07:15z 05Sep2018	3.95m
MANJUNG	07:23z 05Sep2018	3.57m
HILIR PERAK	08:01z 05Sep2018	2.44m
SABAK BERNAM	08:48z 05Sep2018	2.43m
KUALA SELANGOR	10:38z 05Sep2018	1.56m
KUALA LANGAT	11:27z 05Sep2018	1.08m
SEPANG	13:20z 05Sep2018	0.96m
PORT DICKSON	14:07z 05Sep2018	0.77m
ALOR GAJAH	16:21z 05Sep2018	0.54m
JASIN	17:06z 05Sep2018	0.54m

MALDIVES

KULHUDUFFUSHI	06:15z 05Sep2018	4.38m
MALE	06:16z 05Sep2018	3.55m
KOLHUFUSHI	06:16z 05Sep2018	3.60m

THINADHOO	06:17z	05Sep2018	4.61m
DHIYAMIGILI	06:20z	05Sep2018	4.84m
HITHADHOO	06:21z	05Sep2018	5.24m
GOIDHOO	06:28z	05Sep2018	2.79m
NILANDHOO	06:40z	05Sep2018	3.40m
FERIDHOO	06:54z	05Sep2018	2.43m

MAURITIUS

LA FERME	08:49z	05Sep2018	3.96m
CARGADOS CARAJOS	09:22z	05Sep2018	5.32m
AGALEGA ISLAND	09:33z	05Sep2018	1.70m
GRANDE REVIERE SUD EST-EAST	09:37z	05Sep2018	3.00m
GRANDE REVIERE SUD EST-WEST	09:49z	05Sep2018	2.04m

MOZAMBIQUE

MAGANJA	12:08z	05Sep2018	1.64m
QUITERAJO	12:08z	05Sep2018	1.18m
TAVARI	12:10z	05Sep2018	0.91m
PEMBA	12:11z	05Sep2018	1.17m
MERONVI	12:14z	05Sep2018	1.32m
MECUFI	12:16z	05Sep2018	1.32m
MURREBUE	12:17z	05Sep2018	0.70m
NANGATA	12:17z	05Sep2018	1.93m
LURIO	12:18z	05Sep2018	1.28m
LUMBO	12:19z	05Sep2018	0.94m
MINHAUINE	12:22z	05Sep2018	4.12m
MOGINCUAL	12:30z	05Sep2018	0.86m
INHARRIME	13:21z	05Sep2018	1.02m
POMENE	13:35z	05Sep2018	1.12m
VILANKULO	13:39z	05Sep2018	0.94m
MAGUEMBA	13:44z	05Sep2018	1.03m
ZAVALA	13:54z	05Sep2018	1.61m
INHASSORO	13:56z	05Sep2018	0.60m
MAPUTO	14:00z	05Sep2018	1.49m
NAMORRE	14:01z	05Sep2018	0.85m
XAI-XAI	14:02z	05Sep2018	1.36m
OCONE	14:04z	05Sep2018	0.77m
AMADE	14:10z	05Sep2018	0.61m
MALUANA	14:10z	05Sep2018	1.05m
VILA DO CHINDE	14:34z	05Sep2018	0.95m
NHANGAU	14:41z	05Sep2018	0.54m
MAIONGUE	14:54z	05Sep2018	1.20m
NOVA LUSITANIA	16:12z	05Sep2018	0.54m
MOEBASE	17:16z	05Sep2018	0.56m

MYANMAR

LORD LOUGHBOROUGH ISLAND	04:45z	05Sep2018	3.73m
THAN KYUN	04:55z	05Sep2018	5.18m
LITTLE COCO ISLAND	05:01z	05Sep2018	1.92m
PREPARIS ISLAND	05:13z	05Sep2018	2.65m
PHARPON	06:07z	05Sep2018	1.52m
KYAUKPYU	06:08z	05Sep2018	2.56m
THAWINCHAUNG	06:12z	05Sep2018	1.68m
SITTWE	06:17z	05Sep2018	2.11m
MAGYIGYAING	06:26z	05Sep2018	3.39m
MAWYEN	06:27z	05Sep2018	2.40m
GREAT WESTERN TORRES ISLAND	06:35z	05Sep2018	2.57m
YE	06:36z	05Sep2018	1.63m
YANGON-S	06:36z	05Sep2018	1.17m
CHEDUBA ISLAND	06:38z	05Sep2018	2.32m
MALI KYUN	06:59z	05Sep2018	1.98m
KYWEGYAUNG	07:42z	05Sep2018	2.16m

OMAN

MASIRAH	10:07z	05Sep2018	0.95m
HASIK	10:10z	05Sep2018	1.55m
MIRBAT	10:17z	05Sep2018	2.10m
TAQAH	10:21z	05Sep2018	2.25m
AL JAZER	10:22z	05Sep2018	1.64m
RAS AR RUWAYS	10:25z	05Sep2018	1.51m
AD DUQM	10:28z	05Sep2018	1.58m
SALALAH	10:31z	05Sep2018	2.24m
SOHAR	11:33z	05Sep2018	0.72m
AL ASHKHARAH	11:42z	05Sep2018	1.44m
AL KHABURAH	11:49z	05Sep2018	0.57m
EAST MUSANDAM	12:03z	05Sep2018	0.94m
SUR	12:35z	05Sep2018	0.87m
MUSCAT	15:41z	05Sep2018	0.56m
QURAYYAT	16:08z	05Sep2018	0.82m
BARKA	16:11z	05Sep2018	0.52m

PAKISTAN

ORMARA	14:08z	05Sep2018	1.14m
WINDER	15:00z	05Sep2018	1.00m
SINDH	15:01z	05Sep2018	1.09m
KARACHI	15:07z	05Sep2018	1.49m

SEYCHELLES

COETIVY ISLAND	09:27z	05Sep2018	3.30m
ILE DESROCHES	09:51z	05Sep2018	2.03m
FREGATE ISLAND	09:56z	05Sep2018	4.14m
ALPHONSE ISLAND	10:02z	05Sep2018	1.26m
FARQUHAR GROUP	10:17z	05Sep2018	1.66m
TAKAMAKA	10:24z	05Sep2018	4.52m
ASTOVE ISLAND	10:50z	05Sep2018	0.87m
ALDABRA	11:00z	05Sep2018	1.76m

SOMALIA

BANDER-BEYLA	10:18z	05Sep2018	3.54m
EYL	10:19z	05Sep2018	4.02m
JARIIBAN	10:25z	05Sep2018	4.01m
GALDOGOB	10:32z	05Sep2018	3.66m
CEEL DHEER	10:32z	05Sep2018	3.09m
MAREEG	10:34z	05Sep2018	2.42m
ITALA	10:34z	05Sep2018	2.39m
TOOXIN	10:39z	05Sep2018	3.15m
XARARDHEERE	10:39z	05Sep2018	3.46m
UARSCIECH	10:43z	05Sep2018	2.67m
MUQDISHO	10:44z	05Sep2018	2.81m
BEYNAX BARRE	10:57z	05Sep2018	2.26m
BARAAWE	10:58z	05Sep2018	2.13m
ABO	11:00z	05Sep2018	3.08m
JILIB	11:05z	05Sep2018	2.19m
TURDHO	11:07z	05Sep2018	2.24m
NE BEERNAASI	11:15z	05Sep2018	2.33m
KAMBOONI	11:19z	05Sep2018	2.17m
BAKI	12:43z	05Sep2018	0.58m
SAYLAC	12:50z	05Sep2018	0.92m
LOYADO	12:56z	05Sep2018	1.00m
QANDALA	14:35z	05Sep2018	1.15m
HADAAFTIMO	14:37z	05Sep2018	0.68m
KABURA	17:05z	05Sep2018	0.83m

MAYDH 17:13z 05Sep2018 0.55m

SOUTH AFRICA

GWABALANDA HITAWI	13:41z	05Sep2018	1.43m
LAKE SIBAYI	13:43z	05Sep2018	1.39m
PORT DURNFORD	13:43z	05Sep2018	1.18m
KOSIMEER	13:45z	05Sep2018	1.33m
FUNK SEAMOUNT	13:51z	05Sep2018	2.04m
MARGATE	13:57z	05Sep2018	1.54m
BIZANA	13:57z	05Sep2018	1.73m
MANDI	13:58z	05Sep2018	1.27m
KELSO	13:59z	05Sep2018	1.63m
LUSIKISIKI	13:59z	05Sep2018	1.68m
ABORETUM	13:59z	05Sep2018	2.16m
PORT ST JOHNS	14:05z	05Sep2018	1.82m
NGQUELENI	14:09z	05Sep2018	1.97m
ELLIOTDALE	14:12z	05Sep2018	1.83m
WILLOWVALE	14:16z	05Sep2018	2.35m
KENTANI	14:19z	05Sep2018	1.85m
MARSHSTRAND	14:26z	05Sep2018	4.02m
KAYSERS BEACH	14:27z	05Sep2018	3.58m
ZIKHOVA	14:29z	05Sep2018	2.05m
PEDDIE	14:34z	05Sep2018	2.26m
BATHURST	14:45z	05Sep2018	3.16m
ALEXANDRIA	14:47z	05Sep2018	1.93m
PORT ELIZABETH	15:01z	05Sep2018	1.79m
GAMTOOS	15:07z	05Sep2018	1.62m
HANKEY	15:40z	05Sep2018	1.37m
HUMANSDORP	15:52z	05Sep2018	1.35m
GEORGE	15:59z	05Sep2018	1.50m
MOSSEL	16:11z	05Sep2018	1.61m
HEIDELBERG	16:29z	05Sep2018	1.05m
WITAAND	16:33z	05Sep2018	1.53m
BREDASDORP	16:41z	05Sep2018	1.07m

SRI LANKA

AKKARAIPATTU	04:52z	05Sep2018	4.79m
KIRINDA	04:53z	05Sep2018	6.03m
BATTICALOA	04:54z	05Sep2018	5.97m
OKANDA	04:58z	05Sep2018	9.12m
POTTUVIL	05:00z	05Sep2018	10.06m
KATTANKUDI	05:00z	05Sep2018	4.44m
ANAITIVU	05:01z	05Sep2018	1.56m
PANKULAM	05:01z	05Sep2018	3.60m
TANGALLE	05:04z	05Sep2018	4.25m
MATARA	05:06z	05Sep2018	4.68m
MULLAITTIVU	05:08z	05Sep2018	5.27m
HAMBANTOTA	05:09z	05Sep2018	8.14m
GALLE	05:17z	05Sep2018	6.63m
CHUNDIKKULAM	05:24z	05Sep2018	4.27m
AMBALANGODA	05:26z	05Sep2018	4.09m
BERUWALA	05:29z	05Sep2018	3.71m
COLOMBO	05:29z	05Sep2018	2.74m
CHAVAKACHCHERI	05:32z	05Sep2018	5.05m
MORATUWA	05:33z	05Sep2018	4.59m
POINT PEDRO	05:37z	05Sep2018	3.92m
NEGOMBO	05:45z	05Sep2018	2.72m
MUNDAL LAKE	05:47z	05Sep2018	2.58m
MANNAR ISLAND	05:55z	05Sep2018	2.24m
MUSALI	06:07z	05Sep2018	2.07m

TANZANIA

VUMBA	11:43z	05Sep2018	1.27m
VUMBI	11:44z	05Sep2018	1.76m
ZANZIBAR	11:49z	05Sep2018	1.19m
JIMBO	11:51z	05Sep2018	1.33m
GAZIJA	11:53z	05Sep2018	1.81m
KUTANI	11:55z	05Sep2018	1.56m
SONGO SONGO ISLAND	11:58z	05Sep2018	1.32m
MADANGWA	12:00z	05Sep2018	2.25m
RUVU	12:02z	05Sep2018	1.79m
MSASANI	12:02z	05Sep2018	2.00m
BOMALANDNI	12:06z	05Sep2018	0.98m
WEST TO KONDE	12:10z	05Sep2018	1.14m
BAGAMOYO	12:43z	05Sep2018	1.31m

THAILAND

KO RACHA NOI	04:25z	05Sep2018	9.04m
KOH SURIN TAI	04:47z	05Sep2018	6.22m
THAI MUEANG	04:55z	05Sep2018	7.03m
THAI MUEANG_TAKUA PA	05:06z	05Sep2018	8.50m
KOH ROK	05:06z	05Sep2018	4.22m
KOH LANTA YAI	05:07z	05Sep2018	4.92m
MUEANG SATUN	05:53z	05Sep2018	5.39m
KOH TARUTAO	06:20z	05Sep2018	7.29m

UNITED ARAB EMIRATES

KALBA	11:46z	05Sep2018	0.65m
-------	--------	-----------	-------

UNITED KINGDOM

DIEGO GARCIA	06:48z	05Sep2018	9.40m
MORESBY ISLAND	06:55z	05Sep2018	5.94m
NW EGMONT ISLAND	07:05z	05Sep2018	5.36m

YEMEN

SOCOTRA ISLAND SOUTH	10:02z	05Sep2018	3.91m
DAMQAWT	10:33z	05Sep2018	2.96m
SOCOTRA ISLAND WEST	10:43z	05Sep2018	1.62m
AL GHAYDAH AIRPORT	10:45z	05Sep2018	2.67m
HUSWAYN	10:50z	05Sep2018	3.64m
ALQUMRAH	10:56z	05Sep2018	2.95m
MASILAH WADI	11:00z	05Sep2018	2.05m
EAST TO HAMI	11:09z	05Sep2018	1.26m
SOCOTRA ISLAND NORTH	11:09z	05Sep2018	2.33m
HARRAH	11:10z	05Sep2018	1.51m
HAMI	11:28z	05Sep2018	1.48m
AL MUKALLA	11:30z	05Sep2018	2.06m
AHWAR	11:58z	05Sep2018	0.70m
KHANFAR	12:26z	05Sep2018	0.92m
ADEN	12:28z	05Sep2018	1.52m
MAALLAH	12:31z	05Sep2018	1.09m
QAWAH	13:04z	05Sep2018	0.85m
AL MUALLA	13:06z	05Sep2018	1.02m
RUDUM	14:00z	05Sep2018	0.89m
BROM MAYFA	14:25z	05Sep2018	0.82m

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 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-20180905-0400-004

TSUNAMI BULLETIN NUMBER 4 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0400 UTC, Wednesday, 05 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 : 9.3 Mw
Depth : 10km
Date : 05 Sep 2018
Origin Time: 03:00:00 UTC
Latitude : 3.30N
Longitude : 96.00E
Location : Northern Sumatra, Indonesia

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
Sabang	INDONESIA	5.83N	95.33E	8.00	3:25	Sep 05, 2018
Meulaboh	INDONESIA	4.12N	96.13E	8.00	3:40	Sep 05, 2018
Telukdalam	INDONESIA	5.83N	95.33E	6.00	3:45	Sep 05, 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

COCOS ISLAND 04:43z 05Sep2018 1.67m
CHRISTMAS ISLAND 05:08z 05Sep2018 1.29m
NINGALOO COAST 07:19z 05Sep2018 1.51m
PILBARA COAST WEST 08:10z 05Sep2018 1.82m

IOC Technical Series, 138 (I) Supplement 2
page 318

GASCOYNE COAST	08:32z	05Sep2018	2.62m
LANCELIN COAST	08:43z	05Sep2018	1.17m
PERTH COAST	09:02z	05Sep2018	1.55m
BUNBURY GEOGRAPHE COAST	09:17z	05Sep2018	2.53m
GERALDTON COAST	09:52z	05Sep2018	1.43m
HEARD ISLAND AND MCDONALD ISLANDS	12:43z	05Sep2018	2.71m
AURORA BANK	12:48z	05Sep2018	1.56m
LEEUEWIN COAST	13:24z	05Sep2018	1.24m
ALBANY COAST	14:36z	05Sep2018	0.70m
PILBARA COAST EAST	14:52z	05Sep2018	1.26m
WEST KIMBERLY COAST	16:17z	05Sep2018	0.55m

BANGLADESH

COXS BAZAR	06:44z	05Sep2018	1.68m
KUTUBDIA ISLAND	06:51z	05Sep2018	1.72m
CHALNA	07:17z	05Sep2018	1.35m
BARGUNA	07:23z	05Sep2018	1.55m

COMOROS

BAMBAO	11:26z	05Sep2018	1.11m
CHEZANI	11:33z	05Sep2018	1.53m
FOMBONI	11:39z	05Sep2018	1.33m
DZAOUDZI	16:34z	05Sep2018	0.99m

DJIBOUTI

NW ARTA	12:58z	05Sep2018	1.72m
MUHAMMAD ALI BIN FATHA SUMANA	13:08z	05Sep2018	0.95m

FRANCE

ILE SAINT-PAUL-NORTH	09:33z	05Sep2018	1.74m
ILE SAINT-PAUL-SOUTH	09:43z	05Sep2018	1.77m
SAINT - JOSEPH	10:02z	05Sep2018	1.23m
SAINT-DENIS	10:07z	05Sep2018	1.09m
NES CROZET	12:07z	05Sep2018	2.32m
ILE DE LA POSSESSION	12:08z	05Sep2018	2.42m
CROZET PLATEAU	12:30z	05Sep2018	2.87m
ILE KERGUELEN	12:32z	05Sep2018	4.22m

INDIA

INDIRA POINT	03:00z	05Sep2018	8.78m
KOMATRA AND KATCHAL ISLAND	03:23z	05Sep2018	7.79m
CAR NICOBAR	03:37z	05Sep2018	5.67m
LITTLE ANDAMAN	04:08z	05Sep2018	5.52m
NORTH SENTINEL ISLAND	04:13z	05Sep2018	3.87m
PORT BLAIR	04:25z	05Sep2018	3.75m
BARREN ISLAND	04:25z	05Sep2018	1.77m
HAVELOCK	04:39z	05Sep2018	3.82m
WEST AND LANDFALL ISLAND	04:39z	05Sep2018	2.35m
RANGATH BAY	04:39z	05Sep2018	3.45m
NARCONDAM ISLAND	04:47z	05Sep2018	2.29m
FLAT ISLAND	04:47z	05Sep2018	5.24m
DIGLIPUR	04:50z	05Sep2018	1.99m
MARAKKANAM	05:27z	05Sep2018	2.70m
PUDUCHERRY	05:30z	05Sep2018	4.02m
CUDDALORE	05:31z	05Sep2018	3.48m
POOMBUHAR	05:33z	05Sep2018	3.55m
NAGAPATTINAM	05:35z	05Sep2018	3.50m
ENNORE	05:35z	05Sep2018	4.08m

MAHABALIPURAM	05:37z 05Sep2018	5.75m
KARAIKAL	05:37z 05Sep2018	3.77m
MALLIPATTINAM	05:38z 05Sep2018	3.88m
MUTHUPET	05:38z 05Sep2018	4.73m
CHENNAI	05:40z 05Sep2018	4.67m
MACHILIPATNAM	05:40z 05Sep2018	3.47m
SRIHARIKOTA	05:42z 05Sep2018	3.76m
NIJAMPATTANAM	05:42z 05Sep2018	3.50m
KAKINADA	05:43z 05Sep2018	3.72m
PERUPALEM	05:44z 05Sep2018	4.11m
KOTTAPATNAM	05:52z 05Sep2018	4.67m
KONADA	05:54z 05Sep2018	2.90m
VISAKHAPATNAM	05:54z 05Sep2018	3.68m
PURI	05:58z 05Sep2018	2.27m
KALINGAPATNAM	05:59z 05Sep2018	3.28m
RAMESWARAM	06:06z 05Sep2018	2.44m
KOTTAIPPATTANAM	06:06z 05Sep2018	3.24m
GOPALPUR	06:07z 05Sep2018	3.95m
PARADIP	06:10z 05Sep2018	2.44m
TUTICORIN	06:10z 05Sep2018	3.16m
KOODANKULAM	06:17z 05Sep2018	3.73m
JAMBOO	06:19z 05Sep2018	2.10m
DHAMRA	06:35z 05Sep2018	1.89m
TRIVANDRUM	06:38z 05Sep2018	3.31m
ALLEPPEY ALAPPUZHA	06:42z 05Sep2018	2.51m
MINICOY	06:42z 05Sep2018	1.41m
KANYAKUMARI	06:43z 05Sep2018	4.07m
HEMNAGAR	06:44z 05Sep2018	1.64m
CHANDIPUR	06:52z 05Sep2018	2.03m
DIGHA	06:54z 05Sep2018	2.04m
NAMKHANA	06:57z 05Sep2018	1.89m
QUILON	06:58z 05Sep2018	2.58m
ANDROTH	07:21z 05Sep2018	1.29m
COCHIN	07:22z 05Sep2018	2.53m
VAKKAD	07:26z 05Sep2018	1.99m
KAVARATTI	07:27z 05Sep2018	1.34m
BEYPORE	07:39z 05Sep2018	2.26m
VADANAPPALLY	07:41z 05Sep2018	2.10m
AGATTI	07:46z 05Sep2018	1.29m
AMINI	07:55z 05Sep2018	1.28m
KANNUR	08:08z 05Sep2018	2.10m
MAHE	08:08z 05Sep2018	2.31m
KASARAGOD	08:20z 05Sep2018	2.14m
MANGALORE	08:32z 05Sep2018	1.99m
UDUPI	08:45z 05Sep2018	1.93m
VASCO	09:14z 05Sep2018	2.09m
PANAJI	09:15z 05Sep2018	1.93m
KARWAR	09:17z 05Sep2018	2.32m
MALVAN BAY	09:34z 05Sep2018	1.52m
JAIGARH	10:10z 05Sep2018	1.34m
ALIBAG PORT	10:55z 05Sep2018	1.37m
PORBANDAR	13:44z 05Sep2018	1.01m
MANGROL	14:12z 05Sep2018	1.24m
MANDVI	14:35z 05Sep2018	0.87m
HAZIRA, DIU	14:36z 05Sep2018	1.05m
DWARKA	14:45z 05Sep2018	1.35m
JAMNAGAR	14:45z 05Sep2018	1.06m
MUMBAI	15:22z 05Sep2018	0.99m
MAHUVA	15:53z 05Sep2018	0.67m
KHAMBAT	15:55z 05Sep2018	0.59m
TARAPUR	16:05z 05Sep2018	0.92m
PIPAVAV	16:17z 05Sep2018	0.85m
HAZIRA	16:38z 05Sep2018	0.55m
BORSI	16:40z 05Sep2018	0.59m
DAMAN	16:52z 05Sep2018	0.77m
BHARUCH	17:48z 05Sep2018	0.57m

INDONESIA

NAD SIMEULUE PULAU SIMEULUE	03:00z	05Sep2018	17.54m
SUMUT NIAS-SELATAN PULAU TANAHMASA	03:00z	05Sep2018	13.11m
SUMUT NIAS BAGIAN BARAT	03:00z	05Sep2018	18.40m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	03:00z	05Sep2018	17.48m
SUMUT NIAS-SELATAN PULAU NIAS	03:00z	05Sep2018	17.63m
SUMUT NIAS-SELATAN PULAU PINI	03:00z	05Sep2018	16.06m
SUMUT NIAS BAGIAN TIMUR	03:00z	05Sep2018	14.08m
SUMUT NIAS-SELATAN PULAU TANABALA	03:03z	05Sep2018	9.96m
NAD KOTA-SABANG PULAU RONDO	03:11z	05Sep2018	7.55m
NAD KOTA-SABANG PULAU WEH	03:13z	05Sep2018	18.07m
NAD ACEH-SELATAN BAGIAN UTARA	03:14z	05Sep2018	19.40m
NAD ACEH-BESAR PULAU PENAS	03:17z	05Sep2018	33.35m
NAD ACEH-JAYA	03:18z	05Sep2018	30.14m
NAD ACEH-BESAR BAGIAN BARAT	03:18z	05Sep2018	45.23m
NAD NAGAN-RAYA	03:18z	05Sep2018	17.42m
NAD ACEH-BESAR PULAU BREUEH	03:19z	05Sep2018	17.44m
SUMBAR KEPULAUAN-MENTAWAI P. SIBERUT	03:20z	05Sep2018	2.71m
NAD KOTA-BANDA-ACEH	03:22z	05Sep2018	25.31m
NAD ACEH-BARAT	03:24z	05Sep2018	26.66m
NAD ACEH-BESAR BAGIAN UTARA	03:25z	05Sep2018	13.00m
NAD ACEH-BARAT-DAYA	03:27z	05Sep2018	28.68m
NAD PIDIE	03:32z	05Sep2018	15.65m
SUMUT TAPANULI-TENGAH KEP. MURSALA	03:34z	05Sep2018	12.39m
NAD ACEH-SELATAN BAGIAN SELATAN	03:34z	05Sep2018	39.20m
NAD ACEH-SINGKIL	03:35z	05Sep2018	24.13m
SUMUT TAPANULI-TENGAH BAGIAN UTARA	03:35z	05Sep2018	17.96m
SUMBAR KEPULAUAN-MENTAWAI PULAU SIPORA	03:37z	05Sep2018	2.59m
SUMUT TAPANULI-TENGAH BAGIAN SELATAN	03:47z	05Sep2018	17.82m
NAD BIREUEN	03:48z	05Sep2018	7.16m
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	03:48z	05Sep2018	1.88m
SUMUT TAPANULI-SELATAN	03:48z	05Sep2018	16.67m
SUMUT MANDAILING-NATAL BAGIAN UTARA	03:51z	05Sep2018	19.71m
NAD ACEH-UTARA BAGIAN BARAT	03:53z	05Sep2018	9.18m
NAD KOTA-LHOKSEUMAWE	03:58z	05Sep2018	9.13m
SUMBAR KOTA-PADANG BAGIAN SELATAN	04:00z	05Sep2018	8.69m
SUMBAR PASAMAN-BARAT	04:02z	05Sep2018	14.77m
SUMBAR PADANG-PARIAMAN BAGIAN SELATAN	04:07z	05Sep2018	4.23m
SUMBAR AGAM	04:07z	05Sep2018	9.84m
SUMBAR KOTA-PADANG BAGIAN UTARA	04:07z	05Sep2018	5.88m
SUMBAR KOTA-PARIAMAN	04:09z	05Sep2018	5.12m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	04:09z	05Sep2018	20.40m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	04:12z	05Sep2018	5.19m
NAD ACEH-UTARA BAGIAN TIMUR	04:15z	05Sep2018	12.26m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	04:16z	05Sep2018	2.25m
SUMUT KOTA-SIBOLGA	04:20z	05Sep2018	20.76m
SUMBAR PESISIR-SELATAN BAGIAN UTARA	04:31z	05Sep2018	3.69m
SUMBAR PESISIR-SELATAN BAGIAN SELATAN	04:36z	05Sep2018	3.75m
BENGKULU KAUR	04:37z	05Sep2018	2.16m
BENGKULU MUKOMUKO	04:39z	05Sep2018	4.49m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	04:40z	05Sep2018	2.20m
BENGKULU SELUMA	04:40z	05Sep2018	5.19m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	04:41z	05Sep2018	4.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	04:41z	05Sep2018	2.17m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	04:42z	05Sep2018	2.28m
BENGKULU BENGKULU-SELATAN	04:46z	05Sep2018	4.83m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	04:48z	05Sep2018	8.00m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	04:50z	05Sep2018	5.85m
BANTEN PANDEGLANG PULAU PANAITAN	04:51z	05Sep2018	1.54m
BANTEN LEBAK	05:04z	05Sep2018	1.74m
LAMPUNG TANGGAMUS BAGIAN TIMUR	05:06z	05Sep2018	2.32m
LAMPUNG LAMPUNG-SELATAN KEP. LEGUNDI	05:07z	05Sep2018	2.26m
JABAR SUKABUMI PELABUHAN-RATU	05:08z	05Sep2018	2.30m
LAMPUNG TANGGAMUS BAGIAN BARAT	05:11z	05Sep2018	4.60m
LAMPUNG TANGGAMUS PULAU TABUAN	05:12z	05Sep2018	2.71m
LAMPUNG LAMPUNG-SELATAN KEP. KRAKATAU	05:13z	05Sep2018	2.36m
JABAR SUKABUMI UJUNG-GENTENG	05:15z	05Sep2018	1.39m

LAMPUNG LAMPUNG-SELATAN KEP. SEBUKU	05:20z 05Sep2018	3.00m
JABAR CIANJUR SINDANGBARANG	05:26z 05Sep2018	1.18m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	05:52z 05Sep2018	1.25m
NAD ACEH-TIMUR	05:56z 05Sep2018	6.36m
NAD KOTA-LANGSA	05:59z 05Sep2018	6.98m
NAD ACEH-TAMANG	06:00z 05Sep2018	6.63m
DIY BANTUL	06:00z 05Sep2018	1.84m
JATENG WONOGIRI	06:03z 05Sep2018	1.16m
DIY GUNUNG-KIDUL	06:03z 05Sep2018	1.48m
JABAR CIAMIS	06:04z 05Sep2018	1.58m
DIY KULON-PROGO	06:04z 05Sep2018	1.64m
BANTEN SERANG BAGIAN BARAT	06:05z 05Sep2018	1.78m
JATENG PURWOREJO	06:08z 05Sep2018	2.29m
JATENG KEBUMEN	06:09z 05Sep2018	2.38m
JATENG CILACAP	06:15z 05Sep2018	2.25m
LAMPUNG LAMPUNG-SELATAN KALIANDA	06:16z 05Sep2018	2.60m
JATIM TULUNGAGUNG	06:17z 05Sep2018	1.06m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI PANJANG	06:23z 05Sep2018	3.97m
JATIM BLITAR	06:24z 05Sep2018	1.43m
BANTEN KOTA-CILEGON	06:32z 05Sep2018	2.18m
JATIM JEMBER PULAU NUSABARUNG	06:38z 05Sep2018	1.57m
JABAR TASIKMALAYA	06:38z 05Sep2018	1.83m
SUMUT LANGKAT	06:59z 05Sep2018	5.27m
SUMUT KOTA-MEDAN	07:24z 05Sep2018	6.16m
SUMUT DELISERDANG	07:26z 05Sep2018	4.60m
BALI JEMBRANA	07:37z 05Sep2018	2.14m
SUMUT SERDANG-BEDAGAI	07:54z 05Sep2018	4.77m
SUMUT ASAHAN	08:24z 05Sep2018	3.34m
BANTEN KOTA-CILEGON PULAU SANGIA	08:56z 05Sep2018	1.25m
SUMUT LABUHANBATU	09:56z 05Sep2018	1.92m
JATIM PACITAN	10:00z 05Sep2018	1.62m
LAMPUNG LAMPUNG-SELATAN BAGIAN BARAT	10:01z 05Sep2018	2.34m
BANTEN PANDEGLANG BAGIAN SELATAN	11:08z 05Sep2018	1.96m
NTB SUMBAWA BAGIAN SELATAN	11:30z 05Sep2018	0.87m
NTB DOMPU BAGIAN SELATAN	11:42z 05Sep2018	1.97m
NTT KEPULAUAN MANGGARAI-BARAT	11:57z 05Sep2018	1.38m
BANTEN PANDEGLANG BAGIAN UTARA	12:04z 05Sep2018	1.60m
NTT NGADA BAGIAN SELATAN	12:27z 05Sep2018	0.74m
JATIM JEMBER	12:32z 05Sep2018	1.60m
RIAU ROKAN-HILIR	12:37z 05Sep2018	1.90m
NTT FLORES-TIMUR PULAU ADONARA	12:46z 05Sep2018	0.57m
BALI DENPASAR PANTAI-SANUR	12:50z 05Sep2018	1.41m
BALI TABANAN	12:53z 05Sep2018	1.43m
JATIM TRENGGALEK	13:09z 05Sep2018	1.59m
RIAU BENGKALIS	13:12z 05Sep2018	1.28m
JABAR GARUT	13:14z 05Sep2018	1.21m
NTT MANGGARAI-BARAT BAGIAN SELATAN	13:26z 05Sep2018	1.20m
NTT MANGGARAI BAGIAN SELATAN	13:33z 05Sep2018	0.69m
JATIM MALANG	13:39z 05Sep2018	1.12m
NTB LOMBOK-TIMUR BAGIAN SELATAN	13:42z 05Sep2018	1.22m
BALI BADUNG PANTAI-KUTA	13:43z 05Sep2018	1.49m
NTB SUMBAWA BAGIAN BARAT	13:47z 05Sep2018	0.88m
JATIM LUMAJANG	13:48z 05Sep2018	1.35m
NTB LOMBOK-TENGAH	13:51z 05Sep2018	1.22m
JATIM BANYUWANGI BAGIAN SELATAN	13:58z 05Sep2018	1.21m
BALI KARANG-ASEM BAGIAN SELATAN	13:59z 05Sep2018	0.93m
NTB KOTA-MATARAM	14:02z 05Sep2018	1.00m
NTB LOMBOK-TIMUR BAGIAN TIMUR	14:09z 05Sep2018	1.28m
NTB LOMBOK-BARAT BAGIAN SELATAN	14:10z 05Sep2018	0.90m
JATIM BANYUWANGI BAGIAN TIMUR	14:19z 05Sep2018	1.00m
BALI KLUNGKUNG	14:40z 05Sep2018	0.99m
BALI GIANYAR	15:26z 05Sep2018	1.33m
NTT SUMBA BAGIAN TIMUR	15:28z 05Sep2018	0.99m
NTT LEMBATA BAGIAN SELATAN	15:37z 05Sep2018	0.64m
NTT SUMBA BAGIAN BARAT	15:41z 05Sep2018	1.17m
NTB BIMA PULAU GILI	15:57z 05Sep2018	0.77m
NTT FLORES-TIMUR PULAU SOLOR	16:08z 05Sep2018	0.57m
NTT ALOR BAGIAN SELATAN	16:08z 05Sep2018	0.60m

IOC Technical Series, 138 (I) Supplement 2
page 322

BALI KLUNGKUNG PULAU NUSAPENIDA	16:21z	05Sep2018	0.98m
NTT KUPANG	16:27z	05Sep2018	0.58m
NTT ENDE BAGIAN SELATAN	16:35z	05Sep2018	0.83m
NTT SIKKA BAGIAN SELATAN	16:36z	05Sep2018	0.55m
NTB KOTA-BIMA BAGIAN SELATAN	17:21z	05Sep2018	1.00m

IRAN

PUSHT	10:53z	05Sep2018	1.11m
BIR	11:05z	05Sep2018	0.81m
MISKI	12:55z	05Sep2018	0.71m

KENYA

KIWAYU	11:32z	05Sep2018	2.63m
KIPINI	11:47z	05Sep2018	1.94m
TAKAUNGU	11:50z	05Sep2018	1.79m
MALINDI	11:54z	05Sep2018	2.19m
MVULENI	11:57z	05Sep2018	1.99m
KISIMACHANDE	11:59z	05Sep2018	1.67m

MADAGASCAR

VOHEMAR	10:41z	05Sep2018	2.13m
ANOROTSANGANA	10:42z	05Sep2018	1.84m
TOAMASINA AIRPORT	10:55z	05Sep2018	1.74m
TAMPOLO	10:55z	05Sep2018	3.85m
FARAFAGANA	11:12z	05Sep2018	4.48m
AMBAHY	11:13z	05Sep2018	3.38m
MANANTENINA	11:45z	05Sep2018	3.07m
SAMPONA	12:24z	05Sep2018	2.82m
EUROPA ISLAND	12:52z	05Sep2018	0.90m
AMBANJA	13:30z	05Sep2018	0.86m
MANJA	13:35z	05Sep2018	0.74m
GLORIOSO ISLANDS	14:59z	05Sep2018	0.96m
BALY	16:56z	05Sep2018	0.79m
ANDROKA	17:08z	05Sep2018	0.68m
TAMOTAMO	17:25z	05Sep2018	0.52m

MALAYSIA

SATUN	06:12z	05Sep2018	3.72m
YAN	06:13z	05Sep2018	3.57m
WEST OF ALOR SETAR	06:40z	05Sep2018	3.49m
SEBERANG PERAI UTARA AND BARAT DAYA	06:44z	05Sep2018	4.99m
SEBERANG PERAI SELATAN	06:45z	05Sep2018	4.21m
KUALA MUDA	06:49z	05Sep2018	2.81m
KERIAN	07:06z	05Sep2018	4.34m
LARUT AND MATANG	07:15z	05Sep2018	3.95m
MANJUNG	07:23z	05Sep2018	3.57m
HILIR PERAK	08:01z	05Sep2018	2.44m
SABAK BERNAM	08:48z	05Sep2018	2.43m
KUALA SELANGOR	10:38z	05Sep2018	1.56m
KUALA LANGAT	11:27z	05Sep2018	1.08m
SEPANG	13:20z	05Sep2018	0.96m
PORT DICKSON	14:07z	05Sep2018	0.77m
ALOR GAJAH	16:21z	05Sep2018	0.54m
JASIN	17:06z	05Sep2018	0.54m

MALDIVES

KULHUDUFFUSHI	06:15z	05Sep2018	4.38m
MALE	06:16z	05Sep2018	3.55m

KOLHUFUSHI	06:16z	05Sep2018	3.60m
THINADHOO	06:17z	05Sep2018	4.61m
DHIYAMIGILI	06:20z	05Sep2018	4.84m
HITHADHOO	06:21z	05Sep2018	5.24m
GOIDHOO	06:28z	05Sep2018	2.79m
NILANDHOO	06:40z	05Sep2018	3.40m
FERIDHOO	06:54z	05Sep2018	2.43m

MAURITIUS

LA FERME	08:49z	05Sep2018	3.96m
CARGADOS CARAJOS	09:22z	05Sep2018	5.32m
AGALEGA ISLAND	09:33z	05Sep2018	1.70m
GRANDE REVIERE SUD EST-EAST	09:37z	05Sep2018	3.00m
GRANDE REVIERE SUD EST-WEST	09:49z	05Sep2018	2.04m

MOZAMBIQUE

MAGANJA	12:08z	05Sep2018	1.64m
QUITERAJO	12:08z	05Sep2018	1.18m
TAVARI	12:10z	05Sep2018	0.91m
PEMBA	12:11z	05Sep2018	1.17m
MERONVI	12:14z	05Sep2018	1.32m
MECUFI	12:16z	05Sep2018	1.32m
MURREBUE	12:17z	05Sep2018	0.70m
NANGATA	12:17z	05Sep2018	1.93m
LURIO	12:18z	05Sep2018	1.28m
LUMBO	12:19z	05Sep2018	0.94m
MINHAUINE	12:22z	05Sep2018	4.12m
MOGINCUAL	12:30z	05Sep2018	0.86m
INHARRIME	13:21z	05Sep2018	1.02m
POMENE	13:35z	05Sep2018	1.12m
VILANKULO	13:39z	05Sep2018	0.94m
MAGUEMBA	13:44z	05Sep2018	1.03m
ZAVALA	13:54z	05Sep2018	1.61m
INHASSORO	13:56z	05Sep2018	0.60m
MAPUTO	14:00z	05Sep2018	1.49m
NAMORRE	14:01z	05Sep2018	0.85m
XAI-XAI	14:02z	05Sep2018	1.36m
OCONE	14:04z	05Sep2018	0.77m
AMADE	14:10z	05Sep2018	0.61m
MALUANA	14:10z	05Sep2018	1.05m
VILA DO CHINDE	14:34z	05Sep2018	0.95m
NHANGAU	14:41z	05Sep2018	0.54m
MAIONGUE	14:54z	05Sep2018	1.20m
NOVA LUSITANIA	16:12z	05Sep2018	0.54m
MOEBASE	17:16z	05Sep2018	0.56m

MYANMAR

LORD LOUGHBOROUGH ISLAND	04:45z	05Sep2018	3.73m
THAN KYUN	04:55z	05Sep2018	5.18m
LITTLE COCO ISLAND	05:01z	05Sep2018	1.92m
PREPARIS ISLAND	05:13z	05Sep2018	2.65m
PHARPON	06:07z	05Sep2018	1.52m
KYAUKPYU	06:08z	05Sep2018	2.56m
THAWINCHAUNG	06:12z	05Sep2018	1.68m
SITTWE	06:17z	05Sep2018	2.11m
MAGYIGYAING	06:26z	05Sep2018	3.39m
MAWYEN	06:27z	05Sep2018	2.40m
GREAT WESTERN TORRES ISLAND	06:35z	05Sep2018	2.57m
YE	06:36z	05Sep2018	1.63m
YANGON-S	06:36z	05Sep2018	1.17m
CHEDUBA ISLAND	06:38z	05Sep2018	2.32m
MALI KYUN	06:59z	05Sep2018	1.98m

KYWEGYAUNG	07:42z 05Sep2018	2.16m

OMAN		

MASIRAH	10:07z 05Sep2018	0.95m
HASIK	10:10z 05Sep2018	1.55m
MIRBAT	10:17z 05Sep2018	2.10m
TAQAH	10:21z 05Sep2018	2.25m
AL JAZER	10:22z 05Sep2018	1.64m
RAS AR RUWAYS	10:25z 05Sep2018	1.51m
AD DUQM	10:28z 05Sep2018	1.58m
SALALAH	10:31z 05Sep2018	2.24m
SOHAR	11:33z 05Sep2018	0.72m
AL ASHKHARAH	11:42z 05Sep2018	1.44m
AL KHABURAH	11:49z 05Sep2018	0.57m
EAST MUSANDAM	12:03z 05Sep2018	0.94m
SUR	12:35z 05Sep2018	0.87m
MUSCAT	15:41z 05Sep2018	0.56m
QURAYYAT	16:08z 05Sep2018	0.82m
BARKA	16:11z 05Sep2018	0.52m

PAKISTAN		

ORMARA	14:08z 05Sep2018	1.14m
WINDER	15:00z 05Sep2018	1.00m
SINDH	15:01z 05Sep2018	1.09m
KARACHI	15:07z 05Sep2018	1.49m

SEYCHELLES		

COETIVY ISLAND	09:27z 05Sep2018	3.30m
ILE DESROCHES	09:51z 05Sep2018	2.03m
FREGATE ISLAND	09:56z 05Sep2018	4.14m
ALPHONSE ISLAND	10:02z 05Sep2018	1.26m
FARQUHAR GROUP	10:17z 05Sep2018	1.66m
TAKAMAKA	10:24z 05Sep2018	4.52m
ASTOVE ISLAND	10:50z 05Sep2018	0.87m
ALDABRA	11:00z 05Sep2018	1.76m

SOMALIA		

BANDER-BEYLA	10:18z 05Sep2018	3.54m
EYL	10:19z 05Sep2018	4.02m
JARIIBAN	10:25z 05Sep2018	4.01m
GALDOGOB	10:32z 05Sep2018	3.66m
CEEL DHEER	10:32z 05Sep2018	3.09m
MAREEG	10:34z 05Sep2018	2.42m
ITALA	10:34z 05Sep2018	2.39m
TOOXIN	10:39z 05Sep2018	3.15m
XARARDHEERE	10:39z 05Sep2018	3.46m
UARSCIECH	10:43z 05Sep2018	2.67m
MUQDISHO	10:44z 05Sep2018	2.81m
BEYNAX BARRE	10:57z 05Sep2018	2.26m
BARAAWE	10:58z 05Sep2018	2.13m
ABO	11:00z 05Sep2018	3.08m
JILIB	11:05z 05Sep2018	2.19m
TURDHO	11:07z 05Sep2018	2.24m
NE BEERNAASI	11:15z 05Sep2018	2.33m
KAAMBOONI	11:19z 05Sep2018	2.17m
BAKI	12:43z 05Sep2018	0.58m
SAYLAC	12:50z 05Sep2018	0.92m
LOYADO	12:56z 05Sep2018	1.00m
QANDALA	14:35z 05Sep2018	1.15m
HADAAFTIMO	14:37z 05Sep2018	0.68m

KABURA	17:05z	05Sep2018	0.83m
MAYDH	17:13z	05Sep2018	0.55m

SOUTH AFRICA

GWABALANDA HITAWI	13:41z	05Sep2018	1.43m
LAKE SIBAYI	13:43z	05Sep2018	1.39m
PORT DURNFORD	13:43z	05Sep2018	1.18m
KOSIMEER	13:45z	05Sep2018	1.33m
FUNK SEAMOUNT	13:51z	05Sep2018	2.04m
MARGATE	13:57z	05Sep2018	1.54m
BIZANA	13:57z	05Sep2018	1.73m
MANDI	13:58z	05Sep2018	1.27m
KELSO	13:59z	05Sep2018	1.63m
LUSIKISIKI	13:59z	05Sep2018	1.68m
ABORETUM	13:59z	05Sep2018	2.16m
PORT ST JOHNS	14:05z	05Sep2018	1.82m
NGQUELENI	14:09z	05Sep2018	1.97m
ELLIOTDALE	14:12z	05Sep2018	1.83m
WILLOWVALE	14:16z	05Sep2018	2.35m
KENTANI	14:19z	05Sep2018	1.85m
MARSHSTRAND	14:26z	05Sep2018	4.02m
KAYSERS BEACH	14:27z	05Sep2018	3.58m
ZIKHOVA	14:29z	05Sep2018	2.05m
PEDDIE	14:34z	05Sep2018	2.26m
BATHURST	14:45z	05Sep2018	3.16m
ALEXANDRIA	14:47z	05Sep2018	1.93m
PORT ELIZABETH	15:01z	05Sep2018	1.79m
GAMTOOS	15:07z	05Sep2018	1.62m
HANKEY	15:40z	05Sep2018	1.37m
HUMANSDORP	15:52z	05Sep2018	1.35m
GEORGE	15:59z	05Sep2018	1.50m
MOSSEL	16:11z	05Sep2018	1.61m
HEIDELBERG	16:29z	05Sep2018	1.05m
WITAAND	16:33z	05Sep2018	1.53m
BREDASDORP	16:41z	05Sep2018	1.07m

SRI LANKA

AKKARAIPATTU	04:52z	05Sep2018	4.79m
KIRINDA	04:53z	05Sep2018	6.03m
BATTICALOA	04:54z	05Sep2018	5.97m
OKANDA	04:58z	05Sep2018	9.12m
POTTUVIL	05:00z	05Sep2018	10.06m
KATTANKUDI	05:00z	05Sep2018	4.44m
ANAITIVU	05:01z	05Sep2018	1.56m
PANKULAM	05:01z	05Sep2018	3.60m
TANGALLE	05:04z	05Sep2018	4.25m
MATARA	05:06z	05Sep2018	4.68m
MULLAITTIVU	05:08z	05Sep2018	5.27m
HAMBANTOTA	05:09z	05Sep2018	8.14m
GALLE	05:17z	05Sep2018	6.63m
CHUNDIKKULAM	05:24z	05Sep2018	4.27m
AMBALANGODA	05:26z	05Sep2018	4.09m
BERUWALA	05:29z	05Sep2018	3.71m
COLOMBO	05:29z	05Sep2018	2.74m
CHAVAKACHCHERI	05:32z	05Sep2018	5.05m
MORATUWA	05:33z	05Sep2018	4.59m
POINT PEDRO	05:37z	05Sep2018	3.92m
NEGOMBO	05:45z	05Sep2018	2.72m
MUNDAL LAKE	05:47z	05Sep2018	2.58m
MANNAR ISLAND	05:55z	05Sep2018	2.24m
MUSALI	06:07z	05Sep2018	2.07m

TANZANIA

VUMBA	11:43z	05Sep2018	1.27m
VUMBI	11:44z	05Sep2018	1.76m
ZANZIBAR	11:49z	05Sep2018	1.19m
JIMBO	11:51z	05Sep2018	1.33m
GAZIJA	11:53z	05Sep2018	1.81m
KUTANI	11:55z	05Sep2018	1.56m
SONGO SONGO ISLAND	11:58z	05Sep2018	1.32m
MADANGWA	12:00z	05Sep2018	2.25m
RUUU	12:02z	05Sep2018	1.79m
MSASANI	12:02z	05Sep2018	2.00m
BOMALANDNI	12:06z	05Sep2018	0.98m
WEST TO KONDE	12:10z	05Sep2018	1.14m
BAGAMOYO	12:43z	05Sep2018	1.31m

THAILAND

KO RACHA NOI	04:25z	05Sep2018	9.04m
KOH SURIN TAI	04:47z	05Sep2018	6.22m
THAI MUEANG	04:55z	05Sep2018	7.03m
THAI MUEANG_TAKUA PA	05:06z	05Sep2018	8.50m
KOH ROK	05:06z	05Sep2018	4.22m
KOH LANTA YAI	05:07z	05Sep2018	4.92m
MUEANG SATUN	05:53z	05Sep2018	5.39m
KOH TARUTAO	06:20z	05Sep2018	7.29m

UNITED ARAB EMIRATES

KALBA	11:46z	05Sep2018	0.65m
-------	--------	-----------	-------

UNITED KINGDOM

DIEGO GARCIA	06:48z	05Sep2018	9.40m
MORESBY ISLAND	06:55z	05Sep2018	5.94m
NW EGMONT ISLAND	07:05z	05Sep2018	5.36m

YEMEN

SOCOTRA ISLAND SOUTH	10:02z	05Sep2018	3.91m
DAMQAWT	10:33z	05Sep2018	2.96m
SOCOTRA ISLAND WEST	10:43z	05Sep2018	1.62m
AL GHAYDAH AIRPORT	10:45z	05Sep2018	2.67m
HUSWAYN	10:50z	05Sep2018	3.64m
ALQUMRAH	10:56z	05Sep2018	2.95m
MASILAH WADI	11:00z	05Sep2018	2.05m
EAST TO HAMI	11:09z	05Sep2018	1.26m
SOCOTRA ISLAND NORTH	11:09z	05Sep2018	2.33m
HARRAH	11:10z	05Sep2018	1.51m
HAMI	11:28z	05Sep2018	1.48m
AL MUKALLA	11:30z	05Sep2018	2.06m
AHWAR	11:58z	05Sep2018	0.70m
KHANFAR	12:26z	05Sep2018	0.92m
ADEN	12:28z	05Sep2018	1.52m
MAALLAH	12:31z	05Sep2018	1.09m
QAWAH	13:04z	05Sep2018	0.85m
AL MUALLA	13:06z	05Sep2018	1.02m
RUDUM	14:00z	05Sep2018	0.89m
BROM MAYFA	14:25z	05Sep2018	0.82m

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-20180905-0500-005

TSUNAMI BULLETIN NUMBER 5 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0500 UTC, Wednesday, 05 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 : 9.3 Mw
Depth : 10km
Date : 05 Sep 2018
Origin Time: 03:00:00 UTC
Latitude : 3.30N
Longitude : 96.00E
Location : Northern Sumatra, Indonesia

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
Sabang	INDONESIA	5.83N	95.33E	8.00	3:25	Sep 05, 2018
Meulaboh	INDONESIA	4.12N	96.13E	8.00	3:40	Sep 05, 2018
Telukdalam	INDONESIA	5.83N	95.33E	6.00	3:45	Sep 05, 2018
Tanah Bala	INDONESIA	0.53S	98.50E	3.50	4:10	Sep 05, 2018
Sibolga	INDONESIA	1.73N	98.80E	4.00	4:40	Sep 05, 2018
Cocos_Island	AUSTRALIA	12.11S	96.89E	2.11	4:45	Sep 05, 2018
Ko_Taphao_Noi	THAILAND	7.81N	98.41E	2.48	4:48	Sep 05, 2018
Port_Blair	INDIA	11.68N	92.76E	1.10	4:59	Sep 05, 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

COCOS ISLAND	04:43z	05Sep2018	1.67m
CHRISTMAS ISLAND	05:08z	05Sep2018	1.29m
NINGALOO COAST	07:19z	05Sep2018	1.51m
PILBARA COAST WEST	08:10z	05Sep2018	1.82m
GASCOYNE COAST	08:32z	05Sep2018	2.62m
LANCELIN COAST	08:43z	05Sep2018	1.17m
PERTH COAST	09:02z	05Sep2018	1.55m
BUNBURY GEOGRAPHE COAST	09:17z	05Sep2018	2.53m
GERALDTON COAST	09:52z	05Sep2018	1.43m
HEARD ISLAND AND MCDONALD ISLANDS	12:43z	05Sep2018	2.71m
AURORA BANK	12:48z	05Sep2018	1.56m
LEEUEWIN COAST	13:24z	05Sep2018	1.24m
ALBANY COAST	14:36z	05Sep2018	0.70m
PILBARA COAST EAST	14:52z	05Sep2018	1.26m
WEST KIMBERLY COAST	16:17z	05Sep2018	0.55m

BANGLADESH

COXS BAZAR	06:44z	05Sep2018	1.68m
KUTUBDIA ISLAND	06:51z	05Sep2018	1.72m
CHALNA	07:17z	05Sep2018	1.35m
BARGUNA	07:23z	05Sep2018	1.55m

COMOROS

BAMBAO	11:26z	05Sep2018	1.11m
CHEZANI	11:33z	05Sep2018	1.53m
FOMBONI	11:39z	05Sep2018	1.33m
DZAOUDZI	16:34z	05Sep2018	0.99m

DJIBOUTI

NW ARTA	12:58z	05Sep2018	1.72m
MUHAMMAD ALI BIN FATHA SUMANA	13:08z	05Sep2018	0.95m

FRANCE

ILE SAINT-PAUL-NORTH	09:33z	05Sep2018	1.74m
ILE SAINT-PAUL-SOUTH	09:43z	05Sep2018	1.77m
SAINT - JOSEPH	10:02z	05Sep2018	1.23m
SAINT-DENIS	10:07z	05Sep2018	1.09m
NES CROZET	12:07z	05Sep2018	2.32m
ILE DE LA POSSESSION	12:08z	05Sep2018	2.42m
CROZET PLATEAU	12:30z	05Sep2018	2.87m
ILE KERGUELEN	12:32z	05Sep2018	4.22m

INDIA

INDIRA POINT	03:00z	05Sep2018	8.78m
KOMATRA AND KATCHAL ISLAND	03:23z	05Sep2018	7.79m
CAR NICOBAR	03:37z	05Sep2018	5.67m
LITTLE ANDAMAN	04:08z	05Sep2018	5.52m
NORTH SENTINEL ISLAND	04:13z	05Sep2018	3.87m
PORT BLAIR	04:25z	05Sep2018	3.75m
BARREN ISLAND	04:25z	05Sep2018	1.77m
HAVELOCK	04:39z	05Sep2018	3.82m
WEST AND LANDFALL ISLAND	04:39z	05Sep2018	2.35m
RANGATH BAY	04:39z	05Sep2018	3.45m
NARCONDAM ISLAND	04:47z	05Sep2018	2.29m
FLAT ISLAND	04:47z	05Sep2018	5.24m
DIGLIPUR	04:50z	05Sep2018	1.99m

MARAKKANAM	05:27z	05Sep2018	2.70m
PUDUCHERRY	05:30z	05Sep2018	4.02m
CUDDALORE	05:31z	05Sep2018	3.48m
POOMBUHAR	05:33z	05Sep2018	3.55m
NAGAPATTINAM	05:35z	05Sep2018	3.50m
ENNORE	05:35z	05Sep2018	4.08m
MAHABALIPURAM	05:37z	05Sep2018	5.75m
KARAIKAL	05:37z	05Sep2018	3.77m
MALLIPATTINAM	05:38z	05Sep2018	3.88m
MUTHUPET	05:38z	05Sep2018	4.73m
CHENNAI	05:40z	05Sep2018	4.67m
MACHILIPATNAM	05:40z	05Sep2018	3.47m
SRIHARIKOTA	05:42z	05Sep2018	3.76m
NIJAMPATTANAM	05:42z	05Sep2018	3.50m
KAKINADA	05:43z	05Sep2018	3.72m
PERUPALEM	05:44z	05Sep2018	4.11m
KOTTAPATNAM	05:52z	05Sep2018	4.67m
KONADA	05:54z	05Sep2018	2.90m
VISAKHAPATNAM	05:54z	05Sep2018	3.68m
PURI	05:58z	05Sep2018	2.27m
KALINGAPATNAM	05:59z	05Sep2018	3.28m
RAMESWARAM	06:06z	05Sep2018	2.44m
KOTTAIPPATTANAM	06:06z	05Sep2018	3.24m
GOPALPUR	06:07z	05Sep2018	3.95m
PARADIP	06:10z	05Sep2018	2.44m
TUTICORIN	06:10z	05Sep2018	3.16m
KOODANKULAM	06:17z	05Sep2018	3.73m
JAMBOO	06:19z	05Sep2018	2.10m
DHAMRA	06:35z	05Sep2018	1.89m
TRIVANDRUM	06:38z	05Sep2018	3.31m
ALLEPPEY ALAPPUZHA	06:42z	05Sep2018	2.51m
MINICOY	06:42z	05Sep2018	1.41m
KANYAKUMARI	06:43z	05Sep2018	4.07m
HEMNAGAR	06:44z	05Sep2018	1.64m
CHANDIPUR	06:52z	05Sep2018	2.03m
DIGHA	06:54z	05Sep2018	2.04m
NAMKHANA	06:57z	05Sep2018	1.89m
QUILON	06:58z	05Sep2018	2.58m
ANDROTH	07:21z	05Sep2018	1.29m
COCHIN	07:22z	05Sep2018	2.53m
VAKKAD	07:26z	05Sep2018	1.99m
KAVARATTI	07:27z	05Sep2018	1.34m
BEYPORE	07:39z	05Sep2018	2.26m
VADANAPPALLY	07:41z	05Sep2018	2.10m
AGATTI	07:46z	05Sep2018	1.29m
AMINI	07:55z	05Sep2018	1.28m
KANNUR	08:08z	05Sep2018	2.10m
MAHE	08:08z	05Sep2018	2.31m
KASARAGOD	08:20z	05Sep2018	2.14m
MANGALORE	08:32z	05Sep2018	1.99m
UDUPI	08:45z	05Sep2018	1.93m
VASCO	09:14z	05Sep2018	2.09m
PANAJI	09:15z	05Sep2018	1.93m
KARWAR	09:17z	05Sep2018	2.32m
MALVAN BAY	09:34z	05Sep2018	1.52m
JAIGARH	10:10z	05Sep2018	1.34m
ALIBAG PORT	10:55z	05Sep2018	1.37m
PORBANDAR	13:44z	05Sep2018	1.01m
MANGROL	14:12z	05Sep2018	1.24m
MANDVI	14:35z	05Sep2018	0.87m
HAZIRA, DIU	14:36z	05Sep2018	1.05m
DWARKA	14:45z	05Sep2018	1.35m
JAMNAGAR	14:45z	05Sep2018	1.06m
MUMBAI	15:22z	05Sep2018	0.99m
MAHUVA	15:53z	05Sep2018	0.67m
KHAMBAT	15:55z	05Sep2018	0.59m
TARAPUR	16:05z	05Sep2018	0.92m
PIPAVAV	16:17z	05Sep2018	0.85m

HAZIRA	16:38z	05Sep2018	0.55m
BORSI	16:40z	05Sep2018	0.59m
DAMAN	16:52z	05Sep2018	0.77m
BHARUCH	17:48z	05Sep2018	0.57m

INDONESIA

NAD SIMEULUE PULAU SIMEULUE	03:00z	05Sep2018	17.54m
SUMUT NIAS-SELATAN PULAU TANAHMASA	03:00z	05Sep2018	13.11m
SUMUT NIAS BAGIAN BARAT	03:00z	05Sep2018	18.40m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	03:00z	05Sep2018	17.48m
SUMUT NIAS-SELATAN PULAU NIAS	03:00z	05Sep2018	17.63m
SUMUT NIAS-SELATAN PULAU PINI	03:00z	05Sep2018	16.06m
SUMUT NIAS BAGIAN TIMUR	03:00z	05Sep2018	14.08m
SUMUT NIAS-SELATAN PULAU TANABALA	03:03z	05Sep2018	9.96m
NAD KOTA-SABANG PULAU RONDO	03:11z	05Sep2018	7.55m
NAD KOTA-SABANG PULAU WEH	03:13z	05Sep2018	18.07m
NAD ACEH-SELATAN BAGIAN UTARA	03:14z	05Sep2018	19.40m
NAD ACEH-BESAR PULAU PENAS	03:17z	05Sep2018	33.35m
NAD ACEH-JAYA	03:18z	05Sep2018	30.14m
NAD ACEH-BESAR BAGIAN BARAT	03:18z	05Sep2018	45.23m
NAD NAGAN-RAYA	03:18z	05Sep2018	17.42m
NAD ACEH-BESAR PULAU BREUEH	03:19z	05Sep2018	17.44m
SUMBAR KEPULAUAN-MENTAWAI P. SIBERUT	03:20z	05Sep2018	2.71m
NAD KOTA-BANDA-ACEH	03:22z	05Sep2018	25.31m
NAD ACEH-BARAT	03:24z	05Sep2018	26.66m
NAD ACEH-BESAR BAGIAN UTARA	03:25z	05Sep2018	13.00m
NAD ACEH-BARAT-DAYA	03:27z	05Sep2018	28.68m
NAD PIDIE	03:32z	05Sep2018	15.65m
SUMUT TAPANULI-TENGAH KEP. MURSALA	03:34z	05Sep2018	12.39m
NAD ACEH-SELATAN BAGIAN SELATAN	03:34z	05Sep2018	39.20m
NAD ACEH-SINGKIL	03:35z	05Sep2018	24.13m
SUMUT TAPANULI-TENGAH BAGIAN UTARA	03:35z	05Sep2018	17.96m
SUMBAR KEPULAUAN-MENTAWAI PULAU SIPORA	03:37z	05Sep2018	2.59m
SUMUT TAPANULI-TENGAH BAGIAN SELATAN	03:47z	05Sep2018	17.82m
NAD BIREUEN	03:48z	05Sep2018	7.16m
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	03:48z	05Sep2018	1.88m
SUMUT TAPANULI-SELATAN	03:48z	05Sep2018	16.67m
SUMUT MANDAILING-NATAL BAGIAN UTARA	03:51z	05Sep2018	19.71m
NAD ACEH-UTARA BAGIAN BARAT	03:53z	05Sep2018	9.18m
NAD KOTA-LHOKSEUMAWA	03:58z	05Sep2018	9.13m
SUMBAR KOTA-PADANG BAGIAN SELATAN	04:00z	05Sep2018	8.69m
SUMBAR PASAMAN-BARAT	04:02z	05Sep2018	14.77m
SUMBAR PADANG-PARIAMAN BAGIAN SELATAN	04:07z	05Sep2018	4.23m
SUMBAR AGAM	04:07z	05Sep2018	9.84m
SUMBAR KOTA-PADANG BAGIAN UTARA	04:07z	05Sep2018	5.88m
SUMBAR KOTA-PARIAMAN	04:09z	05Sep2018	5.12m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	04:09z	05Sep2018	20.40m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	04:12z	05Sep2018	5.19m
NAD ACEH-UTARA BAGIAN TIMUR	04:15z	05Sep2018	12.26m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	04:16z	05Sep2018	2.25m
SUMUT KOTA-SIBOLGA	04:20z	05Sep2018	20.76m
SUMBAR PESISIR-SELATAN BAGIAN UTARA	04:31z	05Sep2018	3.69m
SUMBAR PESISIR-SELATAN BAGIAN SELATAN	04:36z	05Sep2018	3.75m
BENGKULU KAUR	04:37z	05Sep2018	2.16m
BENGKULU MUKOMUKO	04:39z	05Sep2018	4.49m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	04:40z	05Sep2018	2.20m
BENGKULU SELUMA	04:40z	05Sep2018	5.19m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	04:41z	05Sep2018	4.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	04:41z	05Sep2018	2.17m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	04:42z	05Sep2018	2.28m
BENGKULU BENGKULU-SELATAN	04:46z	05Sep2018	4.83m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	04:48z	05Sep2018	8.00m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	04:50z	05Sep2018	5.85m
BANTEN PANDEGLANG PULAU PANAITAN	04:51z	05Sep2018	1.54m
BANTEN LEBAK	05:04z	05Sep2018	1.74m
LAMPUNG TANGGAMUS BAGIAN TIMUR	05:06z	05Sep2018	2.32m

LAMPUNG LAMPUNG-SELATAN KEP. LEGUNDI	05:07z 05Sep2018	2.26m
JABAR SUKABUMI PELABUHAN-RATU	05:08z 05Sep2018	2.30m
LAMPUNG TANGGAMUS BAGIAN BARAT	05:11z 05Sep2018	4.60m
LAMPUNG TANGGAMUS PULAU TABUAN	05:12z 05Sep2018	2.71m
LAMPUNG LAMPUNG-SELATAN KEP. KRAKATAU	05:13z 05Sep2018	2.36m
JABAR SUKABUMI UJUNG-GENTENG	05:15z 05Sep2018	1.39m
LAMPUNG LAMPUNG-SELATAN KEP. SEBUKU	05:20z 05Sep2018	3.00m
JABAR CIANJUR SINDANGBARANG	05:26z 05Sep2018	1.18m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	05:52z 05Sep2018	1.25m
NAD ACEH-TIMUR	05:56z 05Sep2018	6.36m
NAD KOTA-LANGSA	05:59z 05Sep2018	6.98m
NAD ACEH-TAMIAN	06:00z 05Sep2018	6.63m
DIY BANTUL	06:00z 05Sep2018	1.84m
JATENG WONOGIRI	06:03z 05Sep2018	1.16m
DIY GUNUNG-KIDUL	06:03z 05Sep2018	1.48m
JABAR CIAMIS	06:04z 05Sep2018	1.58m
DIY KULON-PROGO	06:04z 05Sep2018	1.64m
BANTEN SERANG BAGIAN BARAT	06:05z 05Sep2018	1.78m
JATENG PURWOREJO	06:08z 05Sep2018	2.29m
JATENG KEBUMEN	06:09z 05Sep2018	2.38m
JATENG CILACAP	06:15z 05Sep2018	2.25m
LAMPUNG LAMPUNG-SELATAN KALIANDA	06:16z 05Sep2018	2.60m
JATIM TULUNGAGUNG	06:17z 05Sep2018	1.06m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI PANJANG	06:23z 05Sep2018	3.97m
JATIM BLITAR	06:24z 05Sep2018	1.43m
BANTEN KOTA-CILEGON	06:32z 05Sep2018	2.18m
JATIM JEMBER PULAU NUSABARUNG	06:38z 05Sep2018	1.57m
JABAR TASIKMALAYA	06:38z 05Sep2018	1.83m
SUMUT LANGKAT	06:59z 05Sep2018	5.27m
SUMUT KOTA-MEDAN	07:24z 05Sep2018	6.16m
SUMUT DELISERDANG	07:26z 05Sep2018	4.60m
BALI JEMBRANA	07:37z 05Sep2018	2.14m
SUMUT SERDANG-BEDAGAI	07:54z 05Sep2018	4.77m
SUMUT ASAHAN	08:24z 05Sep2018	3.34m
BANTEN KOTA-CILEGON PULAU SANGIA	08:56z 05Sep2018	1.25m
SUMUT LABUHANBATU	09:56z 05Sep2018	1.92m
JATIM PACITAN	10:00z 05Sep2018	1.62m
LAMPUNG LAMPUNG-SELATAN BAGIAN BARAT	10:01z 05Sep2018	2.34m
BANTEN PANDEGLANG BAGIAN SELATAN	11:08z 05Sep2018	1.96m
NTB SUMBAWA BAGIAN SELATAN	11:30z 05Sep2018	0.87m
NTB DOMPU BAGIAN SELATAN	11:42z 05Sep2018	1.97m
NTT KEPULAUAN MANGGARAI-BARAT	11:57z 05Sep2018	1.38m
BANTEN PANDEGLANG BAGIAN UTARA	12:04z 05Sep2018	1.60m
NTT NGADA BAGIAN SELATAN	12:27z 05Sep2018	0.74m
JATIM JEMBER	12:32z 05Sep2018	1.60m
RIAU ROKAN-HILIR	12:37z 05Sep2018	1.90m
NTT FLORES-TIMUR PULAU ADONARA	12:46z 05Sep2018	0.57m
BALI DENPASAR PANTAI-SANUR	12:50z 05Sep2018	1.41m
BALI TABANAN	12:53z 05Sep2018	1.43m
JATIM TRENGGALEK	13:09z 05Sep2018	1.59m
RIAU BENGKALIS	13:12z 05Sep2018	1.28m
JABAR GARUT	13:14z 05Sep2018	1.21m
NTT MANGGARAI-BARAT BAGIAN SELATAN	13:26z 05Sep2018	1.20m
NTT MANGGARAI BAGIAN SELATAN	13:33z 05Sep2018	0.69m
JATIM MALANG	13:39z 05Sep2018	1.12m
NTB LOMBOK-TIMUR BAGIAN SELATAN	13:42z 05Sep2018	1.22m
BALI BADUNG PANTAI-KUTA	13:43z 05Sep2018	1.49m
NTB SUMBAWA BAGIAN BARAT	13:47z 05Sep2018	0.88m
JATIM LUMAJANG	13:48z 05Sep2018	1.35m
NTB LOMBOK-TENGAH	13:51z 05Sep2018	1.22m
JATIM BANYUWANGI BAGIAN SELATAN	13:58z 05Sep2018	1.21m
BALI KARANG-ASEM BAGIAN SELATAN	13:59z 05Sep2018	0.93m
NTB KOTA-MATARAM	14:02z 05Sep2018	1.00m
NTB LOMBOK-TIMUR BAGIAN TIMUR	14:09z 05Sep2018	1.28m
NTB LOMBOK-BARAT BAGIAN SELATAN	14:10z 05Sep2018	0.90m
JATIM BANYUWANGI BAGIAN TIMUR	14:19z 05Sep2018	1.00m
BALI KLUNGKUNG	14:40z 05Sep2018	0.99m
BALI GIANYAR	15:26z 05Sep2018	1.33m

NTT SUMBA BAGIAN TIMUR	15:28z	05Sep2018	0.99m
NTT LEMBATA BAGIAN SELATAN	15:37z	05Sep2018	0.64m
NTT SUMBA BAGIAN BARAT	15:41z	05Sep2018	1.17m
NTB BIMA PULAU GILI	15:57z	05Sep2018	0.77m
NTT FLORES-TIMUR PULAU SOLOR	16:08z	05Sep2018	0.57m
NTT ALOR BAGIAN SELATAN	16:08z	05Sep2018	0.60m
BALI KLUNGKUNG PULAU NUSAPENIDA	16:21z	05Sep2018	0.98m
NTT KUPANG	16:27z	05Sep2018	0.58m
NTT ENDE BAGIAN SELATAN	16:35z	05Sep2018	0.83m
NTT SIKKA BAGIAN SELATAN	16:36z	05Sep2018	0.55m
NTB KOTA-BIMA BAGIAN SELATAN	17:21z	05Sep2018	1.00m

IRAN

PUSHT	10:53z	05Sep2018	1.11m
BIR	11:05z	05Sep2018	0.81m
MISKI	12:55z	05Sep2018	0.71m

KENYA

KIWAYU	11:32z	05Sep2018	2.63m
KIPINI	11:47z	05Sep2018	1.94m
TAKAUNGU	11:50z	05Sep2018	1.79m
MALINDI	11:54z	05Sep2018	2.19m
MVULENI	11:57z	05Sep2018	1.99m
KISIMACHANDE	11:59z	05Sep2018	1.67m

MADAGASCAR

VOHEMAR	10:41z	05Sep2018	2.13m
ANOROTSANGANA	10:42z	05Sep2018	1.84m
TOAMASINA AIRPORT	10:55z	05Sep2018	1.74m
TAMPOLO	10:55z	05Sep2018	3.85m
FARAFAGANA	11:12z	05Sep2018	4.48m
AMBAHY	11:13z	05Sep2018	3.38m
MANANTENINA	11:45z	05Sep2018	3.07m
SAMPONA	12:24z	05Sep2018	2.82m
EUROPA ISLAND	12:52z	05Sep2018	0.90m
AMBANJA	13:30z	05Sep2018	0.86m
MANJA	13:35z	05Sep2018	0.74m
GLORIOSO ISLANDS	14:59z	05Sep2018	0.96m
BALY	16:56z	05Sep2018	0.79m
ANDROKA	17:08z	05Sep2018	0.68m
TAMOTAMO	17:25z	05Sep2018	0.52m

MALAYSIA

SATUN	06:12z	05Sep2018	3.72m
YAN	06:13z	05Sep2018	3.57m
WEST OF ALOR SETAR	06:40z	05Sep2018	3.49m
SEBERANG PERAI UTARA AND BARAT DAYA	06:44z	05Sep2018	4.99m
SEBERANG PERAI SELATAN	06:45z	05Sep2018	4.21m
KUALA MUDA	06:49z	05Sep2018	2.81m
KERIAN	07:06z	05Sep2018	4.34m
LARUT AND MATANG	07:15z	05Sep2018	3.95m
MANJUNG	07:23z	05Sep2018	3.57m
HILIR PERAK	08:01z	05Sep2018	2.44m
SABAK BERNAM	08:48z	05Sep2018	2.43m
KUALA SELANGOR	10:38z	05Sep2018	1.56m
KUALA LANGAT	11:27z	05Sep2018	1.08m
SEPANG	13:20z	05Sep2018	0.96m
PORT DICKSON	14:07z	05Sep2018	0.77m
ALOR GAJAH	16:21z	05Sep2018	0.54m
JASIN	17:06z	05Sep2018	0.54m

MALDIVES

KULHUDUFFUSHI	06:15z	05Sep2018	4.38m
MALE	06:16z	05Sep2018	3.55m
KOLHUFUSHI	06:16z	05Sep2018	3.60m
THINADHOO	06:17z	05Sep2018	4.61m
DHIYAMIGILI	06:20z	05Sep2018	4.84m
HITHADHOO	06:21z	05Sep2018	5.24m
GOIDHOO	06:28z	05Sep2018	2.79m
NILANDHOO	06:40z	05Sep2018	3.40m
FERIDHOO	06:54z	05Sep2018	2.43m

MAURITIUS

LA FERME	08:49z	05Sep2018	3.96m
CARGADOS CARAJOS	09:22z	05Sep2018	5.32m
AGALEGA ISLAND	09:33z	05Sep2018	1.70m
GRANDE REVIERE SUD EST-EAST	09:37z	05Sep2018	3.00m
GRANDE REVIERE SUD EST-WEST	09:49z	05Sep2018	2.04m

MOZAMBIQUE

MAGANJA	12:08z	05Sep2018	1.64m
QUITERAJO	12:08z	05Sep2018	1.18m
TAVARI	12:10z	05Sep2018	0.91m
PEMBA	12:11z	05Sep2018	1.17m
MERONVI	12:14z	05Sep2018	1.32m
MECUFI	12:16z	05Sep2018	1.32m
MURREBUE	12:17z	05Sep2018	0.70m
NANGATA	12:17z	05Sep2018	1.93m
LURIO	12:18z	05Sep2018	1.28m
LUMBO	12:19z	05Sep2018	0.94m
MINHAUINE	12:22z	05Sep2018	4.12m
MOGINCUAL	12:30z	05Sep2018	0.86m
INHARRIME	13:21z	05Sep2018	1.02m
POMENE	13:35z	05Sep2018	1.12m
VILANKULO	13:39z	05Sep2018	0.94m
MAGUEMBA	13:44z	05Sep2018	1.03m
ZAVALA	13:54z	05Sep2018	1.61m
INHASSORO	13:56z	05Sep2018	0.60m
MAPUTO	14:00z	05Sep2018	1.49m
NAMORRE	14:01z	05Sep2018	0.85m
XAI-XAI	14:02z	05Sep2018	1.36m
OCONE	14:04z	05Sep2018	0.77m
AMADE	14:10z	05Sep2018	0.61m
MALUANA	14:10z	05Sep2018	1.05m
VILA DO CHINDE	14:34z	05Sep2018	0.95m
NHANGAU	14:41z	05Sep2018	0.54m
MAIONGUE	14:54z	05Sep2018	1.20m
NOVA LUSITANIA	16:12z	05Sep2018	0.54m
MOEBASE	17:16z	05Sep2018	0.56m

MYANMAR

LORD LOUGHBOROUGH ISLAND	04:45z	05Sep2018	3.73m
THAN KYUN	04:55z	05Sep2018	5.18m
LITTLE COCO ISLAND	05:01z	05Sep2018	1.92m
PREPARIS ISLAND	05:13z	05Sep2018	2.65m
PHARPON	06:07z	05Sep2018	1.52m
KYAUKPYU	06:08z	05Sep2018	2.56m
THAWINCHAUNG	06:12z	05Sep2018	1.68m
SITTWE	06:17z	05Sep2018	2.11m
MAGYIGYAING	06:26z	05Sep2018	3.39m

MAWYEN	06:27z	05Sep2018	2.40m
GREAT WESTERN TORRES ISLAND	06:35z	05Sep2018	2.57m
YE	06:36z	05Sep2018	1.63m
YANGON-S	06:36z	05Sep2018	1.17m
CHEDEBA ISLAND	06:38z	05Sep2018	2.32m
MALI KYUN	06:59z	05Sep2018	1.98m
KYWEGYAUNG	07:42z	05Sep2018	2.16m

OMAN

MASIRAH	10:07z	05Sep2018	0.95m
HASIK	10:10z	05Sep2018	1.55m
MIRBAT	10:17z	05Sep2018	2.10m
TAQAH	10:21z	05Sep2018	2.25m
AL JAZER	10:22z	05Sep2018	1.64m
RAS AR RUWAYS	10:25z	05Sep2018	1.51m
AD DUQM	10:28z	05Sep2018	1.58m
SALALAH	10:31z	05Sep2018	2.24m
SOHAR	11:33z	05Sep2018	0.72m
AL ASHKHARAH	11:42z	05Sep2018	1.44m
AL KHABURAH	11:49z	05Sep2018	0.57m
EAST MUSANDAM	12:03z	05Sep2018	0.94m
SUR	12:35z	05Sep2018	0.87m
MUSCAT	15:41z	05Sep2018	0.56m
QURAYYAT	16:08z	05Sep2018	0.82m
BARKA	16:11z	05Sep2018	0.52m

PAKISTAN

ORMARA	14:08z	05Sep2018	1.14m
WINDER	15:00z	05Sep2018	1.00m
SINDH	15:01z	05Sep2018	1.09m
KARACHI	15:07z	05Sep2018	1.49m

SEYCHELLES

COETIVY ISLAND	09:27z	05Sep2018	3.30m
ILE DESROCHES	09:51z	05Sep2018	2.03m
FREGATE ISLAND	09:56z	05Sep2018	4.14m
ALPHONSE ISLAND	10:02z	05Sep2018	1.26m
FARQUHAR GROUP	10:17z	05Sep2018	1.66m
TAKAMAKA	10:24z	05Sep2018	4.52m
ASTOVE ISLAND	10:50z	05Sep2018	0.87m
ALDABRA	11:00z	05Sep2018	1.76m

SOMALIA

BANDER-BEYLA	10:18z	05Sep2018	3.54m
EYL	10:19z	05Sep2018	4.02m
JARIIBAN	10:25z	05Sep2018	4.01m
GALDOGOB	10:32z	05Sep2018	3.66m
CEEL DHEER	10:32z	05Sep2018	3.09m
MAREEG	10:34z	05Sep2018	2.42m
ITALA	10:34z	05Sep2018	2.39m
TOOXIN	10:39z	05Sep2018	3.15m
XARARDHEERE	10:39z	05Sep2018	3.46m
UARSCIECH	10:43z	05Sep2018	2.67m
MUQDISHO	10:44z	05Sep2018	2.81m
BEYNAX BARRE	10:57z	05Sep2018	2.26m
BARAAWE	10:58z	05Sep2018	2.13m
ABO	11:00z	05Sep2018	3.08m
JILIB	11:05z	05Sep2018	2.19m
TURDHO	11:07z	05Sep2018	2.24m
NE BEERNAASI	11:15z	05Sep2018	2.33m

IOC Technical Series, 138 (I) Supplement 2
page 336

KAAMBOONI	11:19z	05Sep2018	2.17m
BAKI	12:43z	05Sep2018	0.58m
SAYLAC	12:50z	05Sep2018	0.92m
LOYADO	12:56z	05Sep2018	1.00m
QANDALA	14:35z	05Sep2018	1.15m
HADAAFTIMO	14:37z	05Sep2018	0.68m
KABURA	17:05z	05Sep2018	0.83m
MAYDH	17:13z	05Sep2018	0.55m

SOUTH AFRICA

GWABALANDA HITAWI	13:41z	05Sep2018	1.43m
LAKE SIBAYI	13:43z	05Sep2018	1.39m
PORT DURNFORD	13:43z	05Sep2018	1.18m
KOSIMEER	13:45z	05Sep2018	1.33m
FUNK SEAMOUNT	13:51z	05Sep2018	2.04m
MARGATE	13:57z	05Sep2018	1.54m
BIZANA	13:57z	05Sep2018	1.73m
MANDI	13:58z	05Sep2018	1.27m
KELSO	13:59z	05Sep2018	1.63m
LUSIKISIKI	13:59z	05Sep2018	1.68m
ABORETUM	13:59z	05Sep2018	2.16m
PORT ST JOHNS	14:05z	05Sep2018	1.82m
NGQUELENI	14:09z	05Sep2018	1.97m
ELLIOTDALE	14:12z	05Sep2018	1.83m
WILLOWVALE	14:16z	05Sep2018	2.35m
KENTANI	14:19z	05Sep2018	1.85m
MARSHSTRAND	14:26z	05Sep2018	4.02m
KAYSERS BEACH	14:27z	05Sep2018	3.58m
ZIKHOVA	14:29z	05Sep2018	2.05m
PEDDIE	14:34z	05Sep2018	2.26m
BATHURST	14:45z	05Sep2018	3.16m
ALEXANDRIA	14:47z	05Sep2018	1.93m
PORT ELIZABETH	15:01z	05Sep2018	1.79m
GAMTOOS	15:07z	05Sep2018	1.62m
HANKEY	15:40z	05Sep2018	1.37m
HUMANSDORP	15:52z	05Sep2018	1.35m
GEORGE	15:59z	05Sep2018	1.50m
MOSSEL	16:11z	05Sep2018	1.61m
HEIDELBERG	16:29z	05Sep2018	1.05m
WITAAND	16:33z	05Sep2018	1.53m
BREDASDORP	16:41z	05Sep2018	1.07m

SRI LANKA

AKKARAIPATTU	04:52z	05Sep2018	4.79m
KIRINDA	04:53z	05Sep2018	6.03m
BATTICALOA	04:54z	05Sep2018	5.97m
OKANDA	04:58z	05Sep2018	9.12m
POTTUVIL	05:00z	05Sep2018	10.06m
KATTANKUDI	05:00z	05Sep2018	4.44m
ANAITIVU	05:01z	05Sep2018	1.56m
PANKULAM	05:01z	05Sep2018	3.60m
TANGALLE	05:04z	05Sep2018	4.25m
MATARA	05:06z	05Sep2018	4.68m
MULLAITTIVU	05:08z	05Sep2018	5.27m
HAMBANTOTA	05:09z	05Sep2018	8.14m
GALLE	05:17z	05Sep2018	6.63m
CHUNDIKKULAM	05:24z	05Sep2018	4.27m
AMBALANGODA	05:26z	05Sep2018	4.09m
BERUWALA	05:29z	05Sep2018	3.71m
COLOMBO	05:29z	05Sep2018	2.74m
CHAVAKACHCHERI	05:32z	05Sep2018	5.05m
MORATUWA	05:33z	05Sep2018	4.59m
POINT PEDRO	05:37z	05Sep2018	3.92m
NEGOMBO	05:45z	05Sep2018	2.72m

MUNDAL LAKE	05:47z	05Sep2018	2.58m
MANNAR ISLAND	05:55z	05Sep2018	2.24m
MUSALI	06:07z	05Sep2018	2.07m

TANZANIA

VUMBA	11:43z	05Sep2018	1.27m
VUMBI	11:44z	05Sep2018	1.76m
ZANZIBAR	11:49z	05Sep2018	1.19m
JIMBO	11:51z	05Sep2018	1.33m
GAZIJA	11:53z	05Sep2018	1.81m
KUTANI	11:55z	05Sep2018	1.56m
SONGO SONGO ISLAND	11:58z	05Sep2018	1.32m
MADANGWA	12:00z	05Sep2018	2.25m
RUUVU	12:02z	05Sep2018	1.79m
MSASANI	12:02z	05Sep2018	2.00m
BOMALANDNI	12:06z	05Sep2018	0.98m
WEST TO KONDE	12:10z	05Sep2018	1.14m
BAGAMOYO	12:43z	05Sep2018	1.31m

THAILAND

KO RACHA NOI	04:25z	05Sep2018	9.04m
KOH SURIN TAI	04:47z	05Sep2018	6.22m
THAI MUEANG	04:55z	05Sep2018	7.03m
THAI MUEANG_TAKUA PA	05:06z	05Sep2018	8.50m
KOH ROK	05:06z	05Sep2018	4.22m
KOH LANTA YAI	05:07z	05Sep2018	4.92m
MUEANG SATUN	05:53z	05Sep2018	5.39m
KOH TARUTAO	06:20z	05Sep2018	7.29m

UNITED ARAB EMIRATES

KALBA	11:46z	05Sep2018	0.65m
-------	--------	-----------	-------

UNITED KINGDOM

DIEGO GARCIA	06:48z	05Sep2018	9.40m
MORESBY ISLAND	06:55z	05Sep2018	5.94m
NW EGMONT ISLAND	07:05z	05Sep2018	5.36m

YEMEN

SOCOTRA ISLAND SOUTH	10:02z	05Sep2018	3.91m
DAMQAWT	10:33z	05Sep2018	2.96m
SOCOTRA ISLAND WEST	10:43z	05Sep2018	1.62m
AL GHAYDAH AIRPORT	10:45z	05Sep2018	2.67m
HUSWAYN	10:50z	05Sep2018	3.64m
ALQUMRAH	10:56z	05Sep2018	2.95m
MASILAH WADI	11:00z	05Sep2018	2.05m
EAST TO HAMI	11:09z	05Sep2018	1.26m
SOCOTRA ISLAND NORTH	11:09z	05Sep2018	2.33m
HARRAH	11:10z	05Sep2018	1.51m
HAMI	11:28z	05Sep2018	1.48m
AL MUKALLA	11:30z	05Sep2018	2.06m
AHWAR	11:58z	05Sep2018	0.70m
KHANFAR	12:26z	05Sep2018	0.92m
ADEN	12:28z	05Sep2018	1.52m
MAALLAH	12:31z	05Sep2018	1.09m
QAWAH	13:04z	05Sep2018	0.85m
AL MUALLA	13:06z	05Sep2018	1.02m
RUDUM	14:00z	05Sep2018	0.89m
BROM MAYFA	14:25z	05Sep2018	0.82m

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 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-20180905-0600-006

TSUNAMI BULLETIN NUMBER 6 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0600 UTC, Wednesday, 05 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 : 9.3 Mw
Depth : 10km
Date : 05 Sep 2018
Origin Time: 03:00:00 UTC
Latitude : 3.30N
Longitude : 96.00E
Location : Northern Sumatra, Indonesia

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
Sabang	INDONESIA	5.83N	95.33E	8.00	3:25	Sep 05, 2018
Meulaboh	INDONESIA	4.12N	96.13E	8.00	3:40	Sep 05, 2018
Telukdalam	INDONESIA	5.83N	95.33E	6.00	3:45	Sep 05, 2018
Tanah Bala	INDONESIA	0.53S	98.50E	3.50	4:10	Sep 05, 2018
Sibolga	INDONESIA	1.73N	98.80E	4.00	4:40	Sep 05, 2018
Cocos_Island	AUSTRALIA	12.11S	96.89E	2.11	4:45	Sep 05, 2018
Ko_Taphao_Noi	THAILAND	7.81N	98.41E	2.48	4:48	Sep 05, 2018
Port_Blair	INDIA	11.68N	92.76E	1.10	4:59	Sep 05, 2018
Christmas_Island_AU	AUSTRALIA	10.42S	105.66E	0.75	5:01	Sep 05, 2018
Nancowry	INDIA	8.05N	93.55E	5.35	5:17	Sep 05, 2018
Padang	INDONESIA	0.95S	100.36E	2.00	5:35	Sep 05, 2018
Trincomalee	SRI LANKA	8.56N	81.19E	1.36	5:37	Sep 05, 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

COCOS ISLAND	04:43z	05Sep2018	1.67m
CHRISTMAS ISLAND	05:08z	05Sep2018	1.29m
NINGALOO COAST	07:19z	05Sep2018	1.51m
PILBARA COAST WEST	08:10z	05Sep2018	1.82m
GASCOYNE COAST	08:32z	05Sep2018	2.62m
LANCELIN COAST	08:43z	05Sep2018	1.17m
PERTH COAST	09:02z	05Sep2018	1.55m
BUNBURY GEOGRAPHE COAST	09:17z	05Sep2018	2.53m
GERALDTON COAST	09:52z	05Sep2018	1.43m
HEARD ISLAND AND MCDONALD ISLANDS	12:43z	05Sep2018	2.71m
AURORA BANK	12:48z	05Sep2018	1.56m
LEEWIN COAST	13:24z	05Sep2018	1.24m
ALBANY COAST	14:36z	05Sep2018	0.70m
PILBARA COAST EAST	14:52z	05Sep2018	1.26m
WEST KIMBERLY COAST	16:17z	05Sep2018	0.55m

BANGLADESH

COXS BAZAR	06:44z	05Sep2018	1.68m
KUTUBDIA ISLAND	06:51z	05Sep2018	1.72m
CHALNA	07:17z	05Sep2018	1.35m
BARGUNA	07:23z	05Sep2018	1.55m

COMOROS

BAMBAO	11:26z	05Sep2018	1.11m
CHEZANI	11:33z	05Sep2018	1.53m
FOMBONI	11:39z	05Sep2018	1.33m
DZAOUDZI	16:34z	05Sep2018	0.99m

DJIBOUTI

NW ARTA	12:58z	05Sep2018	1.72m
MUHAMMAD ALI BIN FATHA SUMANA	13:08z	05Sep2018	0.95m

FRANCE

ILE SAINT-PAUL-NORTH	09:33z	05Sep2018	1.74m
ILE SAINT-PAUL-SOUTH	09:43z	05Sep2018	1.77m
SAINT - JOSEPH	10:02z	05Sep2018	1.23m
SAINT-DENIS	10:07z	05Sep2018	1.09m
NES CROZET	12:07z	05Sep2018	2.32m
ILE DE LA POSSESSION	12:08z	05Sep2018	2.42m
CROZET PLATEAU	12:30z	05Sep2018	2.87m
ILE KERGUELEN	12:32z	05Sep2018	4.22m

INDIA

INDIRA POINT	03:00z	05Sep2018	8.78m
KOMATRA AND KATCHAL ISLAND	03:23z	05Sep2018	7.79m
CAR NICOBAR	03:37z	05Sep2018	5.67m
LITTLE ANDAMAN	04:08z	05Sep2018	5.52m
NORTH SENTINEL ISLAND	04:13z	05Sep2018	3.87m
PORT BLAIR	04:25z	05Sep2018	3.75m
BARREN ISLAND	04:25z	05Sep2018	1.77m
HAVELOCK	04:39z	05Sep2018	3.82m
WEST AND LANDFALL ISLAND	04:39z	05Sep2018	2.35m

RANGATH BAY	04:39z 05Sep2018	3.45m
NARCONDAM ISLAND	04:47z 05Sep2018	2.29m
FLAT ISLAND	04:47z 05Sep2018	5.24m
DIGLIPUR	04:50z 05Sep2018	1.99m
MARAKKANAM	05:27z 05Sep2018	2.70m
PUDUCHERRY	05:30z 05Sep2018	4.02m
CUDDALORE	05:31z 05Sep2018	3.48m
POOMBUHAR	05:33z 05Sep2018	3.55m
NAGAPATTINAM	05:35z 05Sep2018	3.50m
ENNORE	05:35z 05Sep2018	4.08m
MAHABALIPURAM	05:37z 05Sep2018	5.75m
KARAIKAL	05:37z 05Sep2018	3.77m
MALLIPATTINAM	05:38z 05Sep2018	3.88m
MUTHUPET	05:38z 05Sep2018	4.73m
CHENNAI	05:40z 05Sep2018	4.67m
MACHILIPATNAM	05:40z 05Sep2018	3.47m
SRIHARIKOTA	05:42z 05Sep2018	3.76m
NIJAMPATTANAM	05:42z 05Sep2018	3.50m
KAKINADA	05:43z 05Sep2018	3.72m
PERUPALEM	05:44z 05Sep2018	4.11m
KOTTAPATNAM	05:52z 05Sep2018	4.67m
KONADA	05:54z 05Sep2018	2.90m
VISAKHAPATNAM	05:54z 05Sep2018	3.68m
PURI	05:58z 05Sep2018	2.27m
KALINGAPATNAM	05:59z 05Sep2018	3.28m
RAMESWARAM	06:06z 05Sep2018	2.44m
KOTTAIPPATTANAM	06:06z 05Sep2018	3.24m
GOPALPUR	06:07z 05Sep2018	3.95m
PARADIP	06:10z 05Sep2018	2.44m
TUTICORIN	06:10z 05Sep2018	3.16m
KOODANKULAM	06:17z 05Sep2018	3.73m
JAMBOO	06:19z 05Sep2018	2.10m
DHAMRA	06:35z 05Sep2018	1.89m
TRIVANDRUM	06:38z 05Sep2018	3.31m
ALLEPPEY ALAPPUZHA	06:42z 05Sep2018	2.51m
MINICOY	06:42z 05Sep2018	1.41m
KANYAKUMARI	06:43z 05Sep2018	4.07m
HEMNAGAR	06:44z 05Sep2018	1.64m
CHANDIPUR	06:52z 05Sep2018	2.03m
DIGHA	06:54z 05Sep2018	2.04m
NAMKHANA	06:57z 05Sep2018	1.89m
QUILON	06:58z 05Sep2018	2.58m
ANDROTH	07:21z 05Sep2018	1.29m
COCHIN	07:22z 05Sep2018	2.53m
VAKKAD	07:26z 05Sep2018	1.99m
KAVARATTI	07:27z 05Sep2018	1.34m
BEYPORE	07:39z 05Sep2018	2.26m
VADANAPPALLY	07:41z 05Sep2018	2.10m
AGATTI	07:46z 05Sep2018	1.29m
AMINI	07:55z 05Sep2018	1.28m
KANNUR	08:08z 05Sep2018	2.10m
MAHE	08:08z 05Sep2018	2.31m
KASARAGOD	08:20z 05Sep2018	2.14m
MANGALORE	08:32z 05Sep2018	1.99m
UDUPI	08:45z 05Sep2018	1.93m
VASCO	09:14z 05Sep2018	2.09m
PANAJI	09:15z 05Sep2018	1.93m
KARWAR	09:17z 05Sep2018	2.32m
MALVAN BAY	09:34z 05Sep2018	1.52m
JAIGARH	10:10z 05Sep2018	1.34m
ALIBAG PORT	10:55z 05Sep2018	1.37m
PORBANDAR	13:44z 05Sep2018	1.01m
MANGROL	14:12z 05Sep2018	1.24m
MANDVI	14:35z 05Sep2018	0.87m
HAZIRA, DIU	14:36z 05Sep2018	1.05m
DWARKA	14:45z 05Sep2018	1.35m
JAMNAGAR	14:45z 05Sep2018	1.06m
MUMBAI	15:22z 05Sep2018	0.99m

MAHUVA	15:53z	05Sep2018	0.67m
KHAMBAT	15:55z	05Sep2018	0.59m
TARAPUR	16:05z	05Sep2018	0.92m
PIPAVAV	16:17z	05Sep2018	0.85m
HAZIRA	16:38z	05Sep2018	0.55m
BORSI	16:40z	05Sep2018	0.59m
DAMAN	16:52z	05Sep2018	0.77m
BHARUCH	17:48z	05Sep2018	0.57m

INDONESIA

NAD SIMEULUE PULAU SIMEULUE	03:00z	05Sep2018	17.54m
SUMUT NIAS-SELATAN PULAU TANAHMASA	03:00z	05Sep2018	13.11m
SUMUT NIAS BAGIAN BARAT	03:00z	05Sep2018	18.40m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	03:00z	05Sep2018	17.48m
SUMUT NIAS-SELATAN PULAU NIAS	03:00z	05Sep2018	17.63m
SUMUT NIAS-SELATAN PULAU PINI	03:00z	05Sep2018	16.06m
SUMUT NIAS BAGIAN TIMUR	03:00z	05Sep2018	14.08m
SUMUT NIAS-SELATAN PULAU TANABALA	03:03z	05Sep2018	9.96m
NAD KOTA-SABANG PULAU RONDO	03:11z	05Sep2018	7.55m
NAD KOTA-SABANG PULAU WEH	03:13z	05Sep2018	18.07m
NAD ACEH-SELATAN BAGIAN UTARA	03:14z	05Sep2018	19.40m
NAD ACEH-BESAR PULAU PENAS	03:17z	05Sep2018	33.35m
NAD ACEH-JAYA	03:18z	05Sep2018	30.14m
NAD ACEH-BESAR BAGIAN BARAT	03:18z	05Sep2018	45.23m
NAD NAGAN-RAYA	03:18z	05Sep2018	17.42m
NAD ACEH-BESAR PULAU BREUEH	03:19z	05Sep2018	17.44m
SUMBAR KEPULAUAN-MENTAWAI P. SIBERUT	03:20z	05Sep2018	2.71m
NAD KOTA-BANDA-ACEH	03:22z	05Sep2018	25.31m
NAD ACEH-BARAT	03:24z	05Sep2018	26.66m
NAD ACEH-BESAR BAGIAN UTARA	03:25z	05Sep2018	13.00m
NAD ACEH-BARAT-DAYA	03:27z	05Sep2018	28.68m
NAD PIDIE	03:32z	05Sep2018	15.65m
SUMUT TAPANULI-TENGAH KEP. MURSALA	03:34z	05Sep2018	12.39m
NAD ACEH-SELATAN BAGIAN SELATAN	03:34z	05Sep2018	39.20m
NAD ACEH-SINGKIL	03:35z	05Sep2018	24.13m
SUMUT TAPANULI-TENGAH BAGIAN UTARA	03:35z	05Sep2018	17.96m
SUMBAR KEPULAUAN-MENTAWAI PULAU SIPORA	03:37z	05Sep2018	2.59m
SUMUT TAPANULI-TENGAH BAGIAN SELATAN	03:47z	05Sep2018	17.82m
NAD BIREUEN	03:48z	05Sep2018	7.16m
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	03:48z	05Sep2018	1.88m
SUMUT TAPANULI-SELATAN	03:48z	05Sep2018	16.67m
SUMUT MANDAILING-NATAL BAGIAN UTARA	03:51z	05Sep2018	19.71m
NAD ACEH-UTARA BAGIAN BARAT	03:53z	05Sep2018	9.18m
NAD KOTA-LHOKSEUMAWA	03:58z	05Sep2018	9.13m
SUMBAR KOTA-PADANG BAGIAN SELATAN	04:00z	05Sep2018	8.69m
SUMBAR PASAMAN-BARAT	04:02z	05Sep2018	14.77m
SUMBAR PADANG-PARIAMAN BAGIAN SELATAN	04:07z	05Sep2018	4.23m
SUMBAR AGAM	04:07z	05Sep2018	9.84m
SUMBAR KOTA-PADANG BAGIAN UTARA	04:07z	05Sep2018	5.88m
SUMBAR KOTA-PARIAMAN	04:09z	05Sep2018	5.12m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	04:09z	05Sep2018	20.40m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	04:12z	05Sep2018	5.19m
NAD ACEH-UTARA BAGIAN TIMUR	04:15z	05Sep2018	12.26m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	04:16z	05Sep2018	2.25m
SUMUT KOTA-SIBOLGA	04:20z	05Sep2018	20.76m
SUMBAR PESISIR-SELATAN BAGIAN UTARA	04:31z	05Sep2018	3.69m
SUMBAR PESISIR-SELATAN BAGIAN SELATAN	04:36z	05Sep2018	3.75m
BENGKULU KAUR	04:37z	05Sep2018	2.16m
BENGKULU MUKOMUKO	04:39z	05Sep2018	4.49m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	04:40z	05Sep2018	2.20m
BENGKULU SELUMA	04:40z	05Sep2018	5.19m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	04:41z	05Sep2018	4.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	04:41z	05Sep2018	2.17m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	04:42z	05Sep2018	2.28m
BENGKULU BENGKULU-SELATAN	04:46z	05Sep2018	4.83m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	04:48z	05Sep2018	8.00m

BENGKULU BENGKULU-UTARA BAGIAN SELATAN	04:50z 05Sep2018	5.85m
BANTEN PANDEGLANG PULAU PANAITAN	04:51z 05Sep2018	1.54m
BANTEN LEBAK	05:04z 05Sep2018	1.74m
LAMPUNG TANGGAMUS BAGIAN TIMUR	05:06z 05Sep2018	2.32m
LAMPUNG LAMPUNG-SELATAN KEP. LEGUNDI	05:07z 05Sep2018	2.26m
JABAR SUKABUMI PELABUHAN-RATU	05:08z 05Sep2018	2.30m
LAMPUNG TANGGAMUS BAGIAN BARAT	05:11z 05Sep2018	4.60m
LAMPUNG TANGGAMUS PULAU TABUAN	05:12z 05Sep2018	2.71m
LAMPUNG LAMPUNG-SELATAN KEP. KRAKATAU	05:13z 05Sep2018	2.36m
JABAR SUKABUMI UJUNG-GENTENG	05:15z 05Sep2018	1.39m
LAMPUNG LAMPUNG-SELATAN KEP. SEBUKU	05:20z 05Sep2018	3.00m
JABAR CIANJUR SINDANGBARANG	05:26z 05Sep2018	1.18m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	05:52z 05Sep2018	1.25m
NAD ACEH-TIMUR	05:56z 05Sep2018	6.36m
NAD KOTA-LANGSA	05:59z 05Sep2018	6.98m
NAD ACEH-TAMIAN	06:00z 05Sep2018	6.63m
DIY BANTUL	06:00z 05Sep2018	1.84m
JATENG WONOGIRI	06:03z 05Sep2018	1.16m
DIY GUNUNG-KIDUL	06:03z 05Sep2018	1.48m
JABAR CIAMIS	06:04z 05Sep2018	1.58m
DIY KULON-PROGO	06:04z 05Sep2018	1.64m
BANTEN SERANG BAGIAN BARAT	06:05z 05Sep2018	1.78m
JATENG PURWOREJO	06:08z 05Sep2018	2.29m
JATENG KEBUMEN	06:09z 05Sep2018	2.38m
JATENG CILACAP	06:15z 05Sep2018	2.25m
LAMPUNG LAMPUNG-SELATAN KALIANDA	06:16z 05Sep2018	2.60m
JATIM TULUNGAGUNG	06:17z 05Sep2018	1.06m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI PANJANG	06:23z 05Sep2018	3.97m
JATIM BLITAR	06:24z 05Sep2018	1.43m
BANTEN KOTA-CILEGON	06:32z 05Sep2018	2.18m
JATIM JEMBER PULAU NUSABARUNG	06:38z 05Sep2018	1.57m
JABAR TASIKMALAYA	06:38z 05Sep2018	1.83m
SUMUT LANGKAT	06:59z 05Sep2018	5.27m
SUMUT KOTA-MEDAN	07:24z 05Sep2018	6.16m
SUMUT DELISERDANG	07:26z 05Sep2018	4.60m
BALI JEMBRANA	07:37z 05Sep2018	2.14m
SUMUT SERDANG-BEDAGAI	07:54z 05Sep2018	4.77m
SUMUT ASAHAN	08:24z 05Sep2018	3.34m
BANTEN KOTA-CILEGON PULAU SANGIA	08:56z 05Sep2018	1.25m
SUMUT LABUHANBATU	09:56z 05Sep2018	1.92m
JATIM PACITAN	10:00z 05Sep2018	1.62m
LAMPUNG LAMPUNG-SELATAN BAGIAN BARAT	10:01z 05Sep2018	2.34m
BANTEN PANDEGLANG BAGIAN SELATAN	11:08z 05Sep2018	1.96m
NTB SUMBAWA BAGIAN SELATAN	11:30z 05Sep2018	0.87m
NTB DOMPU BAGIAN SELATAN	11:42z 05Sep2018	1.97m
NTT KEPULAUAN MANGGARAI-BARAT	11:57z 05Sep2018	1.38m
BANTEN PANDEGLANG BAGIAN UTARA	12:04z 05Sep2018	1.60m
NTT NGADA BAGIAN SELATAN	12:27z 05Sep2018	0.74m
JATIM JEMBER	12:32z 05Sep2018	1.60m
RIAU ROKAN-HILIR	12:37z 05Sep2018	1.90m
NTT FLORES-TIMUR PULAU ADONARA	12:46z 05Sep2018	0.57m
BALI DENPASAR PANTAI-SANUR	12:50z 05Sep2018	1.41m
BALI TABANAN	12:53z 05Sep2018	1.43m
JATIM TRENGGALEK	13:09z 05Sep2018	1.59m
RIAU BENGKALIS	13:12z 05Sep2018	1.28m
JABAR GARUT	13:14z 05Sep2018	1.21m
NTT MANGGARAI-BARAT BAGIAN SELATAN	13:26z 05Sep2018	1.20m
NTT MANGGARAI BAGIAN SELATAN	13:33z 05Sep2018	0.69m
JATIM MALANG	13:39z 05Sep2018	1.12m
NTB LOMBOK-TIMUR BAGIAN SELATAN	13:42z 05Sep2018	1.22m
BALI BADUNG PANTAI-KUTA	13:43z 05Sep2018	1.49m
NTB SUMBAWA BAGIAN BARAT	13:47z 05Sep2018	0.88m
JATIM LUMAJANG	13:48z 05Sep2018	1.35m
NTB LOMBOK-TENGAH	13:51z 05Sep2018	1.22m
JATIM BANYUWANGI BAGIAN SELATAN	13:58z 05Sep2018	1.21m
BALI KARANG-ASEM BAGIAN SELATAN	13:59z 05Sep2018	0.93m
NTB KOTA-MATARAM	14:02z 05Sep2018	1.00m
NTB LOMBOK-TIMUR BAGIAN TIMUR	14:09z 05Sep2018	1.28m

NTB LOMBOK-BARAT BAGIAN SELATAN	14:10z	05Sep2018	0.90m
JATIM BANYUWANGI BAGIAN TIMUR	14:19z	05Sep2018	1.00m
BALI KLUNGKUNG	14:40z	05Sep2018	0.99m
BALI GIANYAR	15:26z	05Sep2018	1.33m
NTT SUMBA BAGIAN TIMUR	15:28z	05Sep2018	0.99m
NTT LEMBATA BAGIAN SELATAN	15:37z	05Sep2018	0.64m
NTT SUMBA BAGIAN BARAT	15:41z	05Sep2018	1.17m
NTB BIMA PULAU GILI	15:57z	05Sep2018	0.77m
NTT FLORES-TIMUR PULAU SOLOR	16:08z	05Sep2018	0.57m
NTT ALOR BAGIAN SELATAN	16:08z	05Sep2018	0.60m
BALI KLUNGKUNG PULAU NUSAPENIDA	16:21z	05Sep2018	0.98m
NTT KUPANG	16:27z	05Sep2018	0.58m
NTT ENDE BAGIAN SELATAN	16:35z	05Sep2018	0.83m
NTT SIKKA BAGIAN SELATAN	16:36z	05Sep2018	0.55m
NTB KOTA-BIMA BAGIAN SELATAN	17:21z	05Sep2018	1.00m

IRAN

PUSHT	10:53z	05Sep2018	1.11m
BIR	11:05z	05Sep2018	0.81m
MISKI	12:55z	05Sep2018	0.71m

KENYA

KIWAYU	11:32z	05Sep2018	2.63m
KIPINI	11:47z	05Sep2018	1.94m
TAKAUNGU	11:50z	05Sep2018	1.79m
MALINDI	11:54z	05Sep2018	2.19m
MVULENI	11:57z	05Sep2018	1.99m
KISIMACHANDE	11:59z	05Sep2018	1.67m

MADAGASCAR

VOHEMAR	10:41z	05Sep2018	2.13m
ANOROTSANGANA	10:42z	05Sep2018	1.84m
TOAMASINA AIRPORT	10:55z	05Sep2018	1.74m
TAMPOLO	10:55z	05Sep2018	3.85m
FARAFAGANA	11:12z	05Sep2018	4.48m
AMBAHY	11:13z	05Sep2018	3.38m
MANANTENINA	11:45z	05Sep2018	3.07m
SAMPONA	12:24z	05Sep2018	2.82m
EUROPA ISLAND	12:52z	05Sep2018	0.90m
AMBANJA	13:30z	05Sep2018	0.86m
MANJA	13:35z	05Sep2018	0.74m
GLORIOSO ISLANDS	14:59z	05Sep2018	0.96m
BALY	16:56z	05Sep2018	0.79m
ANDROKA	17:08z	05Sep2018	0.68m
TAMOTAMO	17:25z	05Sep2018	0.52m

MALAYSIA

SATUN	06:12z	05Sep2018	3.72m
YAN	06:13z	05Sep2018	3.57m
WEST OF ALOR SETAR	06:40z	05Sep2018	3.49m
SEBERANG PERAI UTARA AND BARAT DAYA	06:44z	05Sep2018	4.99m
SEBERANG PERAI SELATAN	06:45z	05Sep2018	4.21m
KUALA MUDA	06:49z	05Sep2018	2.81m
KERIAN	07:06z	05Sep2018	4.34m
LARUT AND MATANG	07:15z	05Sep2018	3.95m
MANJUNG	07:23z	05Sep2018	3.57m
HILIR PERAK	08:01z	05Sep2018	2.44m
SABAK BERNAM	08:48z	05Sep2018	2.43m
KUALA SELANGOR	10:38z	05Sep2018	1.56m
KUALA LANGAT	11:27z	05Sep2018	1.08m

SEPANG	13:20z	05Sep2018	0.96m
PORT DICKSON	14:07z	05Sep2018	0.77m
ALOR GAJAH	16:21z	05Sep2018	0.54m
JASIN	17:06z	05Sep2018	0.54m

MALDIVES

KULHUDUFFUSHI	06:15z	05Sep2018	4.38m
MALE	06:16z	05Sep2018	3.55m
KOLHUFUSHI	06:16z	05Sep2018	3.60m
THINADHOO	06:17z	05Sep2018	4.61m
DHIYAMIGILI	06:20z	05Sep2018	4.84m
HITHADHOO	06:21z	05Sep2018	5.24m
GOIDHOO	06:28z	05Sep2018	2.79m
NILANDHOO	06:40z	05Sep2018	3.40m
FERIDHOO	06:54z	05Sep2018	2.43m

MAURITIUS

LA FERME	08:49z	05Sep2018	3.96m
CARGADOS CARAJOS	09:22z	05Sep2018	5.32m
AGALEGA ISLAND	09:33z	05Sep2018	1.70m
GRANDE REVIERE SUD EST-EAST	09:37z	05Sep2018	3.00m
GRANDE REVIERE SUD EST-WEST	09:49z	05Sep2018	2.04m

MOZAMBIQUE

MAGANJA	12:08z	05Sep2018	1.64m
QUITERAJÓ	12:08z	05Sep2018	1.18m
TAVARI	12:10z	05Sep2018	0.91m
PEMBA	12:11z	05Sep2018	1.17m
MERONVI	12:14z	05Sep2018	1.32m
MECUFI	12:16z	05Sep2018	1.32m
MURREBUE	12:17z	05Sep2018	0.70m
NANGATA	12:17z	05Sep2018	1.93m
LURIO	12:18z	05Sep2018	1.28m
LUMBO	12:19z	05Sep2018	0.94m
MINHAUINE	12:22z	05Sep2018	4.12m
MOGINCUAL	12:30z	05Sep2018	0.86m
INHARRIME	13:21z	05Sep2018	1.02m
POMENE	13:35z	05Sep2018	1.12m
VILANKULO	13:39z	05Sep2018	0.94m
MAGUEMBA	13:44z	05Sep2018	1.03m
ZAVALA	13:54z	05Sep2018	1.61m
INHASSORO	13:56z	05Sep2018	0.60m
MAPUTO	14:00z	05Sep2018	1.49m
NAMORRE	14:01z	05Sep2018	0.85m
XAI-XAI	14:02z	05Sep2018	1.36m
OCONE	14:04z	05Sep2018	0.77m
AMADE	14:10z	05Sep2018	0.61m
MALUANA	14:10z	05Sep2018	1.05m
VILA DO CHINDE	14:34z	05Sep2018	0.95m
NHANGAU	14:41z	05Sep2018	0.54m
MAIONGUE	14:54z	05Sep2018	1.20m
NOVA LUSITANIA	16:12z	05Sep2018	0.54m
MOEBASE	17:16z	05Sep2018	0.56m

MYANMAR

LORD LOUGHBOROUGH ISLAND	04:45z	05Sep2018	3.73m
THAN KYUN	04:55z	05Sep2018	5.18m
LITTLE COCO ISLAND	05:01z	05Sep2018	1.92m
PREPARIS ISLAND	05:13z	05Sep2018	2.65m
PHARPON	06:07z	05Sep2018	1.52m

KYAUKPYU	06:08z	05Sep2018	2.56m
THAWINCHAUNG	06:12z	05Sep2018	1.68m
SITTWE	06:17z	05Sep2018	2.11m
MAGYIGYAING	06:26z	05Sep2018	3.39m
MAWYEN	06:27z	05Sep2018	2.40m
GREAT WESTERN TORRES ISLAND	06:35z	05Sep2018	2.57m
YE	06:36z	05Sep2018	1.63m
YANGON-S	06:36z	05Sep2018	1.17m
CHEDUBA ISLAND	06:38z	05Sep2018	2.32m
MALI KYUN	06:59z	05Sep2018	1.98m
KYWEGYAUNG	07:42z	05Sep2018	2.16m

OMAN

MASIRAH	10:07z	05Sep2018	0.95m
HASIK	10:10z	05Sep2018	1.55m
MIRBAT	10:17z	05Sep2018	2.10m
TAQAH	10:21z	05Sep2018	2.25m
AL JAZER	10:22z	05Sep2018	1.64m
RAS AR RUWAYS	10:25z	05Sep2018	1.51m
AD DUQM	10:28z	05Sep2018	1.58m
SALALAH	10:31z	05Sep2018	2.24m
SOHAR	11:33z	05Sep2018	0.72m
AL ASHKHARAH	11:42z	05Sep2018	1.44m
AL KHABURAH	11:49z	05Sep2018	0.57m
EAST MUSANDAM	12:03z	05Sep2018	0.94m
SUR	12:35z	05Sep2018	0.87m
MUSCAT	15:41z	05Sep2018	0.56m
QURAYYAT	16:08z	05Sep2018	0.82m
BARKA	16:11z	05Sep2018	0.52m

PAKISTAN

ORMARA	14:08z	05Sep2018	1.14m
WINDER	15:00z	05Sep2018	1.00m
SINDH	15:01z	05Sep2018	1.09m
KARACHI	15:07z	05Sep2018	1.49m

SEYCHELLES

COETIVY ISLAND	09:27z	05Sep2018	3.30m
ILE DESROCHES	09:51z	05Sep2018	2.03m
FREGATE ISLAND	09:56z	05Sep2018	4.14m
ALPHONSE ISLAND	10:02z	05Sep2018	1.26m
FARQUHAR GROUP	10:17z	05Sep2018	1.66m
TAKAMAKA	10:24z	05Sep2018	4.52m
ASTOVE ISLAND	10:50z	05Sep2018	0.87m
ALDABRA	11:00z	05Sep2018	1.76m

SOMALIA

BANDER-BEYLA	10:18z	05Sep2018	3.54m
EYL	10:19z	05Sep2018	4.02m
JARIIBAN	10:25z	05Sep2018	4.01m
GALDOGOB	10:32z	05Sep2018	3.66m
CEEL DHEER	10:32z	05Sep2018	3.09m
MAREEG	10:34z	05Sep2018	2.42m
ITALA	10:34z	05Sep2018	2.39m
TOOXIN	10:39z	05Sep2018	3.15m
XARARDHEERE	10:39z	05Sep2018	3.46m
UARSCIECH	10:43z	05Sep2018	2.67m
MUQDISHO	10:44z	05Sep2018	2.81m
BEYNAX BARRE	10:57z	05Sep2018	2.26m
BARAAWE	10:58z	05Sep2018	2.13m

ABO	11:00z	05Sep2018	3.08m
JILIB	11:05z	05Sep2018	2.19m
TURDHO	11:07z	05Sep2018	2.24m
NE BEERNAASI	11:15z	05Sep2018	2.33m
KAAMBOONI	11:19z	05Sep2018	2.17m
BAKI	12:43z	05Sep2018	0.58m
SAYLAC	12:50z	05Sep2018	0.92m
LOYADO	12:56z	05Sep2018	1.00m
QANDALA	14:35z	05Sep2018	1.15m
HADAAFTIMO	14:37z	05Sep2018	0.68m
KABURA	17:05z	05Sep2018	0.83m
MAYDH	17:13z	05Sep2018	0.55m

SOUTH AFRICA

GWABALANDA HITAWI	13:41z	05Sep2018	1.43m
LAKE SIBAYI	13:43z	05Sep2018	1.39m
PORT DURNFORD	13:43z	05Sep2018	1.18m
KOSIMEER	13:45z	05Sep2018	1.33m
FUNK SEAMOUNT	13:51z	05Sep2018	2.04m
MARGATE	13:57z	05Sep2018	1.54m
BIZANA	13:57z	05Sep2018	1.73m
MANDI	13:58z	05Sep2018	1.27m
KELSO	13:59z	05Sep2018	1.63m
LUSIKISIKI	13:59z	05Sep2018	1.68m
ABORETUM	13:59z	05Sep2018	2.16m
PORT ST JOHNS	14:05z	05Sep2018	1.82m
NGQUELENI	14:09z	05Sep2018	1.97m
ELLIOTDALE	14:12z	05Sep2018	1.83m
WILLOWVALE	14:16z	05Sep2018	2.35m
KENTANI	14:19z	05Sep2018	1.85m
MARSHSTRAND	14:26z	05Sep2018	4.02m
KAYSERS BEACH	14:27z	05Sep2018	3.58m
ZIKHOVA	14:29z	05Sep2018	2.05m
PEDDIE	14:34z	05Sep2018	2.26m
BATHURST	14:45z	05Sep2018	3.16m
ALEXANDRIA	14:47z	05Sep2018	1.93m
PORT ELIZABETH	15:01z	05Sep2018	1.79m
GAMTOOS	15:07z	05Sep2018	1.62m
HANKEY	15:40z	05Sep2018	1.37m
HUMANSDORP	15:52z	05Sep2018	1.35m
GEORGE	15:59z	05Sep2018	1.50m
MOSSEL	16:11z	05Sep2018	1.61m
HEIDELBERG	16:29z	05Sep2018	1.05m
WITAAND	16:33z	05Sep2018	1.53m
BREDASDORP	16:41z	05Sep2018	1.07m

SRI LANKA

AKKARAIPATTU	04:52z	05Sep2018	4.79m
KIRINDA	04:53z	05Sep2018	6.03m
BATTICALOA	04:54z	05Sep2018	5.97m
OKANDA	04:58z	05Sep2018	9.12m
POTTUVIL	05:00z	05Sep2018	10.06m
KATTANKUDI	05:00z	05Sep2018	4.44m
ANAITIVU	05:01z	05Sep2018	1.56m
PANKULAM	05:01z	05Sep2018	3.60m
TANGALLE	05:04z	05Sep2018	4.25m
MATARA	05:06z	05Sep2018	4.68m
MULLAITTIVU	05:08z	05Sep2018	5.27m
HAMBANTOTA	05:09z	05Sep2018	8.14m
GALLE	05:17z	05Sep2018	6.63m
CHUNDIKKULAM	05:24z	05Sep2018	4.27m
AMBALANGODA	05:26z	05Sep2018	4.09m
BERUWALA	05:29z	05Sep2018	3.71m
COLOMBO	05:29z	05Sep2018	2.74m

IOC Technical Series, 138 (I) Supplement 2
page 348

CHAVAKACHCHERI	05:32z	05Sep2018	5.05m
MORATUWA	05:33z	05Sep2018	4.59m
POINT PEDRO	05:37z	05Sep2018	3.92m
NEGOMBO	05:45z	05Sep2018	2.72m
MUNDAL LAKE	05:47z	05Sep2018	2.58m
MANNAR ISLAND	05:55z	05Sep2018	2.24m
MUSALI	06:07z	05Sep2018	2.07m

TANZANIA

VUMBA	11:43z	05Sep2018	1.27m
VUMBI	11:44z	05Sep2018	1.76m
ZANZIBAR	11:49z	05Sep2018	1.19m
JIMBO	11:51z	05Sep2018	1.33m
GAZIJA	11:53z	05Sep2018	1.81m
KUTANI	11:55z	05Sep2018	1.56m
SONGO SONGO ISLAND	11:58z	05Sep2018	1.32m
MADANGWA	12:00z	05Sep2018	2.25m
RUUVU	12:02z	05Sep2018	1.79m
MSASANI	12:02z	05Sep2018	2.00m
BOMALANDNI	12:06z	05Sep2018	0.98m
WEST TO KONDE	12:10z	05Sep2018	1.14m
BAGAMOYO	12:43z	05Sep2018	1.31m

THAILAND

KO RACHA NOI	04:25z	05Sep2018	9.04m
KOH SURIN TAI	04:47z	05Sep2018	6.22m
THAI MUEANG	04:55z	05Sep2018	7.03m
THAI MUEANG_TAKUA PA	05:06z	05Sep2018	8.50m
KOH ROK	05:06z	05Sep2018	4.22m
KOH LANTA YAI	05:07z	05Sep2018	4.92m
MUEANG SATUN	05:53z	05Sep2018	5.39m
KOH TARUTAO	06:20z	05Sep2018	7.29m

UNITED ARAB EMIRATES

KALBA	11:46z	05Sep2018	0.65m
-------	--------	-----------	-------

UNITED KINGDOM

DIEGO GARCIA	06:48z	05Sep2018	9.40m
MORESBY ISLAND	06:55z	05Sep2018	5.94m
NW EGMONT ISLAND	07:05z	05Sep2018	5.36m

YEMEN

SOCOTRA ISLAND SOUTH	10:02z	05Sep2018	3.91m
DAMQAWT	10:33z	05Sep2018	2.96m
SOCOTRA ISLAND WEST	10:43z	05Sep2018	1.62m
AL GHAYDAH AIRPORT	10:45z	05Sep2018	2.67m
HUSWAYN	10:50z	05Sep2018	3.64m
ALQUMRAH	10:56z	05Sep2018	2.95m
MASILAH WADI	11:00z	05Sep2018	2.05m
EAST TO HAMI	11:09z	05Sep2018	1.26m
SOCOTRA ISLAND NORTH	11:09z	05Sep2018	2.33m
HARRAH	11:10z	05Sep2018	1.51m
HAMI	11:28z	05Sep2018	1.48m
AL MUKALLA	11:30z	05Sep2018	2.06m
AHWAR	11:58z	05Sep2018	0.70m
KHANFAR	12:26z	05Sep2018	0.92m
ADEN	12:28z	05Sep2018	1.52m
MAALLAH	12:31z	05Sep2018	1.09m

QAWAH	13:04z 05Sep2018	0.85m
AL MUALLA	13:06z 05Sep2018	1.02m
RUDUM	14:00z 05Sep2018	0.89m
BROM MAYFA	14:25z 05Sep2018	0.82m

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 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-20180905-0700-007

TSUNAMI BULLETIN NUMBER 7 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0700 UTC, Wednesday, 05 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 : 9.3 Mw
Depth : 10km
Date : 05 Sep 2018
Origin Time: 03:00:00 UTC
Latitude : 3.30N
Longitude : 96.00E
Location : Northern Sumatra, Indonesia

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
Sabang	INDONESIA	5.83N	95.33E	8.00	3:25	Sep 05, 2018
Meulaboh	INDONESIA	4.12N	96.13E	8.00	3:40	Sep 05, 2018
Telukdalam	INDONESIA	5.83N	95.33E	6.00	3:45	Sep 05, 2018
Tanah Bala	INDONESIA	0.53S	98.50E	3.50	4:10	Sep 05, 2018
Sibolga	INDONESIA	1.73N	98.80E	4.00	4:40	Sep 05, 2018
Cocos_Island	AUSTRALIA	12.11S	96.89E	2.11	4:45	Sep 05, 2018
Ko_Taphao_Noi	THAILAND	7.81N	98.41E	2.48	4:48	Sep 05, 2018
Port_Blair	INDIA	11.68N	92.76E	1.10	4:59	Sep 05, 2018
Christmas_Island_AU	AUSTRALIA	10.42S	105.66E	0.75	5:01	Sep 05, 2018
Nancowry	INDIA	8.05N	93.55E	5.35	5:17	Sep 05, 2018
Padang	INDONESIA	0.95S	100.36E	2.00	5:35	Sep 05, 2018
Trincomalee	SRI LANKA	8.56N	81.19E	1.36	5:37	Sep 05, 2018
Langkawi	MALAYSIA	6.41N	99.76E	2.58	6:07	Sep 05, 2018
Pangandaran	INDONESIA	7.74S	108.50E	0.60	6:35	Sep 05, 2018
Cilacap	INDONESIA	7.75S	109.00E	0.50	6:38	Sep 05, 2018
Sadeng	INDONESIA	8.19S	110.79E	0.50	6:40	Sep 05, 2018
Haing Gyi Kyun	MYANMAR	16.00N	94.31E	1.50	6:45	Sep 05, 2018
Gan	MALDIVES	0.68S	73.15E	2.00	6:45	Sep 05, 2018
Male	MALDIVES	4.19N	73.52E	1.45	6:54	Sep 05, 2018
Diego_Garcia	UK	7.23S	72.43E	1.53	6:56	Sep 05, 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

COCOS ISLAND	04:43z	05Sep2018	1.67m
CHRISTMAS ISLAND	05:08z	05Sep2018	1.29m
NINGALOO COAST	07:19z	05Sep2018	1.51m
PILBARA COAST WEST	08:10z	05Sep2018	1.82m
GASCOYNE COAST	08:32z	05Sep2018	2.62m
LANCELIN COAST	08:43z	05Sep2018	1.17m
PERTH COAST	09:02z	05Sep2018	1.55m
BUNBURY GEOGRAPHE COAST	09:17z	05Sep2018	2.53m
GERALDTON COAST	09:52z	05Sep2018	1.43m
HEARD ISLAND AND MCDONALD ISLANDS	12:43z	05Sep2018	2.71m
AURORA BANK	12:48z	05Sep2018	1.56m
LEEUEWIN COAST	13:24z	05Sep2018	1.24m
ALBANY COAST	14:36z	05Sep2018	0.70m
PILBARA COAST EAST	14:52z	05Sep2018	1.26m
WEST KIMBERLY COAST	16:17z	05Sep2018	0.55m

BANGLADESH

COXS BAZAR	06:44z	05Sep2018	1.68m
KUTUBDIA ISLAND	06:51z	05Sep2018	1.72m
CHALNA	07:17z	05Sep2018	1.35m
BARGUNA	07:23z	05Sep2018	1.55m

COMOROS

BAMBAO	11:26z	05Sep2018	1.11m
CHEZANI	11:33z	05Sep2018	1.53m
FOMBONI	11:39z	05Sep2018	1.33m
DZAOUDZI	16:34z	05Sep2018	0.99m

DJIBOUTI

NW ARTA	12:58z	05Sep2018	1.72m
MUHAMMAD ALI BIN FATHA SUMANA	13:08z	05Sep2018	0.95m

FRANCE

ILE SAINT-PAUL-NORTH	09:33z	05Sep2018	1.74m
ILE SAINT-PAUL-SOUTH	09:43z	05Sep2018	1.77m
SAINT - JOSEPH	10:02z	05Sep2018	1.23m
SAINT-DENIS	10:07z	05Sep2018	1.09m
NES CROZET	12:07z	05Sep2018	2.32m
ILE DE LA POSSESSION	12:08z	05Sep2018	2.42m
CROZET PLATEAU	12:30z	05Sep2018	2.87m
ILE KERGUELEN	12:32z	05Sep2018	4.22m

INDIA

INDIRA POINT	03:00z	05Sep2018	8.78m
--------------	--------	-----------	-------

KOMATRA AND KATCHAL ISLAND	03:23z 05Sep2018	7.79m
CAR NICOBAR	03:37z 05Sep2018	5.67m
LITTLE ANDAMAN	04:08z 05Sep2018	5.52m
NORTH SENTINEL ISLAND	04:13z 05Sep2018	3.87m
PORT BLAIR	04:25z 05Sep2018	3.75m
BARREN ISLAND	04:25z 05Sep2018	1.77m
HAVELOCK	04:39z 05Sep2018	3.82m
WEST AND LANDFALL ISLAND	04:39z 05Sep2018	2.35m
RANGATH BAY	04:39z 05Sep2018	3.45m
NARCONDAM ISLAND	04:47z 05Sep2018	2.29m
FLAT ISLAND	04:47z 05Sep2018	5.24m
DIGLIPUR	04:50z 05Sep2018	1.99m
MARAKKANAM	05:27z 05Sep2018	2.70m
PUDUCHERRY	05:30z 05Sep2018	4.02m
CUDDALORE	05:31z 05Sep2018	3.48m
POOMBUHAR	05:33z 05Sep2018	3.55m
NAGAPATTINAM	05:35z 05Sep2018	3.50m
ENNORE	05:35z 05Sep2018	4.08m
MAHABALIPURAM	05:37z 05Sep2018	5.75m
KARAIKAL	05:37z 05Sep2018	3.77m
MALLIPATTINAM	05:38z 05Sep2018	3.88m
MUTHUPET	05:38z 05Sep2018	4.73m
CHENNAI	05:40z 05Sep2018	4.67m
MACHILIPATNAM	05:40z 05Sep2018	3.47m
SRIHARIKOTA	05:42z 05Sep2018	3.76m
NIJAMPATTANAM	05:42z 05Sep2018	3.50m
KAKINADA	05:43z 05Sep2018	3.72m
PERUPALEM	05:44z 05Sep2018	4.11m
KOTTAPATNAM	05:52z 05Sep2018	4.67m
KONADA	05:54z 05Sep2018	2.90m
VISAKHAPATNAM	05:54z 05Sep2018	3.68m
PURI	05:58z 05Sep2018	2.27m
KALINGAPATNAM	05:59z 05Sep2018	3.28m
RAMESWARAM	06:06z 05Sep2018	2.44m
KOTTTAIPPATTANAM	06:06z 05Sep2018	3.24m
GOPALPUR	06:07z 05Sep2018	3.95m
PARADIP	06:10z 05Sep2018	2.44m
TUTICORIN	06:10z 05Sep2018	3.16m
KOODANKULAM	06:17z 05Sep2018	3.73m
JAMBOO	06:19z 05Sep2018	2.10m
DHAMRA	06:35z 05Sep2018	1.89m
TRIVANDRUM	06:38z 05Sep2018	3.31m
ALLEPPEY ALAPPUZHA	06:42z 05Sep2018	2.51m
MINICOY	06:42z 05Sep2018	1.41m
KANYAKUMARI	06:43z 05Sep2018	4.07m
HEMNAGAR	06:44z 05Sep2018	1.64m
CHANDIPUR	06:52z 05Sep2018	2.03m
DIGHA	06:54z 05Sep2018	2.04m
NAMKHANA	06:57z 05Sep2018	1.89m
QUILON	06:58z 05Sep2018	2.58m
ANDROTH	07:21z 05Sep2018	1.29m
COCHIN	07:22z 05Sep2018	2.53m
VAKKAD	07:26z 05Sep2018	1.99m
KAVARATTI	07:27z 05Sep2018	1.34m
BEYPORE	07:39z 05Sep2018	2.26m
VADANAPPALLY	07:41z 05Sep2018	2.10m
AGATTI	07:46z 05Sep2018	1.29m
AMINI	07:55z 05Sep2018	1.28m
KANNUR	08:08z 05Sep2018	2.10m
MAHE	08:08z 05Sep2018	2.31m
KASARAGOD	08:20z 05Sep2018	2.14m
MANGALORE	08:32z 05Sep2018	1.99m
UDUPI	08:45z 05Sep2018	1.93m
VASCO	09:14z 05Sep2018	2.09m
PANAJI	09:15z 05Sep2018	1.93m
KARWAR	09:17z 05Sep2018	2.32m
MALVAN BAY	09:34z 05Sep2018	1.52m
JAIGARH	10:10z 05Sep2018	1.34m

ALIBAG PORT	10:55z	05Sep2018	1.37m
PORBANDAR	13:44z	05Sep2018	1.01m
MANGROL	14:12z	05Sep2018	1.24m
MANDVI	14:35z	05Sep2018	0.87m
HAZIRA, DIU	14:36z	05Sep2018	1.05m
DWARKA	14:45z	05Sep2018	1.35m
JAMNAGAR	14:45z	05Sep2018	1.06m
MUMBAI	15:22z	05Sep2018	0.99m
MAHUVA	15:53z	05Sep2018	0.67m
KHAMBAT	15:55z	05Sep2018	0.59m
TARAPUR	16:05z	05Sep2018	0.92m
PIPAVAV	16:17z	05Sep2018	0.85m
HAZIRA	16:38z	05Sep2018	0.55m
BORSI	16:40z	05Sep2018	0.59m
DAMAN	16:52z	05Sep2018	0.77m
BHARUCH	17:48z	05Sep2018	0.57m

INDONESIA

NAD SIMEULUE PULAU SIMEULUE	03:00z	05Sep2018	17.54m
SUMUT NIAS-SELATAN PULAU TANAHMASA	03:00z	05Sep2018	13.11m
SUMUT NIAS BAGIAN BARAT	03:00z	05Sep2018	18.40m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	03:00z	05Sep2018	17.48m
SUMUT NIAS-SELATAN PULAU NIAS	03:00z	05Sep2018	17.63m
SUMUT NIAS-SELATAN PULAU PINI	03:00z	05Sep2018	16.06m
SUMUT NIAS BAGIAN TIMUR	03:00z	05Sep2018	14.08m
SUMUT NIAS-SELATAN PULAU TANABALA	03:03z	05Sep2018	9.96m
NAD KOTA-SABANG PULAU RONDO	03:11z	05Sep2018	7.55m
NAD KOTA-SABANG PULAU WEH	03:13z	05Sep2018	18.07m
NAD ACEH-SELATAN BAGIAN UTARA	03:14z	05Sep2018	19.40m
NAD ACEH-BESAR PULAU PENAS	03:17z	05Sep2018	33.35m
NAD ACEH-JAYA	03:18z	05Sep2018	30.14m
NAD ACEH-BESAR BAGIAN BARAT	03:18z	05Sep2018	45.23m
NAD NAGAN-RAYA	03:18z	05Sep2018	17.42m
NAD ACEH-BESAR PULAU BREUEH	03:19z	05Sep2018	17.44m
SUMBAR KEPULAUAN-MENTAWAI P. SIBERUT	03:20z	05Sep2018	2.71m
NAD KOTA-BANDA-ACEH	03:22z	05Sep2018	25.31m
NAD ACEH-BARAT	03:24z	05Sep2018	26.66m
NAD ACEH-BESAR BAGIAN UTARA	03:25z	05Sep2018	13.00m
NAD ACEH-BARAT-DAYA	03:27z	05Sep2018	28.68m
NAD PIDIE	03:32z	05Sep2018	15.65m
SUMUT TAPANULI-TENGAH KEP. MURSALA	03:34z	05Sep2018	12.39m
NAD ACEH-SELATAN BAGIAN SELATAN	03:34z	05Sep2018	39.20m
NAD ACEH-SINGKIL	03:35z	05Sep2018	24.13m
SUMUT TAPANULI-TENGAH BAGIAN UTARA	03:35z	05Sep2018	17.96m
SUMBAR KEPULAUAN-MENTAWAI PULAU SIPORA	03:37z	05Sep2018	2.59m
SUMUT TAPANULI-TENGAH BAGIAN SELATAN	03:47z	05Sep2018	17.82m
NAD BIREUEN	03:48z	05Sep2018	7.16m
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	03:48z	05Sep2018	1.88m
SUMUT TAPANULI-SELATAN	03:48z	05Sep2018	16.67m
SUMUT MANDAILING-NATAL BAGIAN UTARA	03:51z	05Sep2018	19.71m
NAD ACEH-UTARA BAGIAN BARAT	03:53z	05Sep2018	9.18m
NAD KOTA-LHOKSEUMAWA	03:58z	05Sep2018	9.13m
SUMBAR KOTA-PADANG BAGIAN SELATAN	04:00z	05Sep2018	8.69m
SUMBAR PASAMAN-BARAT	04:02z	05Sep2018	14.77m
SUMBAR PADANG-PARIAMAN BAGIAN SELATAN	04:07z	05Sep2018	4.23m
SUMBAR AGAM	04:07z	05Sep2018	9.84m
SUMBAR KOTA-PADANG BAGIAN UTARA	04:07z	05Sep2018	5.88m
SUMBAR KOTA-PARIAMAN	04:09z	05Sep2018	5.12m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	04:09z	05Sep2018	20.40m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	04:12z	05Sep2018	5.19m
NAD ACEH-UTARA BAGIAN TIMUR	04:15z	05Sep2018	12.26m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	04:16z	05Sep2018	2.25m
SUMUT KOTA-SIBOLGA	04:20z	05Sep2018	20.76m
SUMBAR PESISIR-SELATAN BAGIAN UTARA	04:31z	05Sep2018	3.69m
SUMBAR PESISIR-SELATAN BAGIAN SELATAN	04:36z	05Sep2018	3.75m
BENGKULU KAUR	04:37z	05Sep2018	2.16m

BENGKULU MUKOMUKO	04:39z 05Sep2018	4.49m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	04:40z 05Sep2018	2.20m
BENGKULU SELUMA	04:40z 05Sep2018	5.19m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	04:41z 05Sep2018	4.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	04:41z 05Sep2018	2.17m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	04:42z 05Sep2018	2.28m
BENGKULU BENGKULU-SELATAN	04:46z 05Sep2018	4.83m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	04:48z 05Sep2018	8.00m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	04:50z 05Sep2018	5.85m
BANTEN PANDEGLANG PULAU PANAITAN	04:51z 05Sep2018	1.54m
BANTEN LEBAK	05:04z 05Sep2018	1.74m
LAMPUNG TANGGAMUS BAGIAN TIMUR	05:06z 05Sep2018	2.32m
LAMPUNG LAMPUNG-SELATAN KEP. LEGUNDI	05:07z 05Sep2018	2.26m
JABAR SUKABUMI PELABUHAN-RATU	05:08z 05Sep2018	2.30m
LAMPUNG TANGGAMUS BAGIAN BARAT	05:11z 05Sep2018	4.60m
LAMPUNG TANGGAMUS PULAU TABUAN	05:12z 05Sep2018	2.71m
LAMPUNG LAMPUNG-SELATAN KEP. KRAKATAU	05:13z 05Sep2018	2.36m
JABAR SUKABUMI UJUNG-GENTENG	05:15z 05Sep2018	1.39m
LAMPUNG LAMPUNG-SELATAN KEP. SEBUKU	05:20z 05Sep2018	3.00m
JABAR CIANJUR SINDANGBARANG	05:26z 05Sep2018	1.18m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	05:52z 05Sep2018	1.25m
NAD ACEH-TIMUR	05:56z 05Sep2018	6.36m
NAD KOTA-LANGSA	05:59z 05Sep2018	6.98m
NAD ACEH-TAMIAN	06:00z 05Sep2018	6.63m
DIY BANTUL	06:00z 05Sep2018	1.84m
JATENG WONOGIRI	06:03z 05Sep2018	1.16m
DIY GUNUNG-KIDUL	06:03z 05Sep2018	1.48m
JABAR CIAMIS	06:04z 05Sep2018	1.58m
DIY KULON-PROGO	06:04z 05Sep2018	1.64m
BANTEN SERANG BAGIAN BARAT	06:05z 05Sep2018	1.78m
JATENG PURWOREJO	06:08z 05Sep2018	2.29m
JATENG KEBUMEN	06:09z 05Sep2018	2.38m
JATENG CILACAP	06:15z 05Sep2018	2.25m
LAMPUNG LAMPUNG-SELATAN KALIANDA	06:16z 05Sep2018	2.60m
JATIM TULUNGAGUNG	06:17z 05Sep2018	1.06m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI PANJANG	06:23z 05Sep2018	3.97m
JATIM BLITAR	06:24z 05Sep2018	1.43m
BANTEN KOTA-CILEGON	06:32z 05Sep2018	2.18m
JATIM JEMBER PULAU NUSABARUNG	06:38z 05Sep2018	1.57m
JABAR TASIKMALAYA	06:38z 05Sep2018	1.83m
SUMUT LANGKAT	06:59z 05Sep2018	5.27m
SUMUT KOTA-MEDAN	07:24z 05Sep2018	6.16m
SUMUT DELISERDANG	07:26z 05Sep2018	4.60m
BALI JEMBRANA	07:37z 05Sep2018	2.14m
SUMUT SERDANG-BEDAGAI	07:54z 05Sep2018	4.77m
SUMUT ASAHAN	08:24z 05Sep2018	3.34m
BANTEN KOTA-CILEGON PULAU SANGIA	08:56z 05Sep2018	1.25m
SUMUT LABUHANBATU	09:56z 05Sep2018	1.92m
JATIM PACITAN	10:00z 05Sep2018	1.62m
LAMPUNG LAMPUNG-SELATAN BAGIAN BARAT	10:01z 05Sep2018	2.34m
BANTEN PANDEGLANG BAGIAN SELATAN	11:08z 05Sep2018	1.96m
NTB SUMBAWA BAGIAN SELATAN	11:30z 05Sep2018	0.87m
NTB DOMPU BAGIAN SELATAN	11:42z 05Sep2018	1.97m
NTT KEPULAUAN MANGGARAI-BARAT	11:57z 05Sep2018	1.38m
BANTEN PANDEGLANG BAGIAN UTARA	12:04z 05Sep2018	1.60m
NTT NGADA BAGIAN SELATAN	12:27z 05Sep2018	0.74m
JATIM JEMBER	12:32z 05Sep2018	1.60m
RIAU ROKAN-HILIR	12:37z 05Sep2018	1.90m
NTT FLORES-TIMUR PULAU ADONARA	12:46z 05Sep2018	0.57m
BALI DENPASAR PANTAI-SANUR	12:50z 05Sep2018	1.41m
BALI TABANAN	12:53z 05Sep2018	1.43m
JATIM TRENGGALEK	13:09z 05Sep2018	1.59m
RIAU BENGKALIS	13:12z 05Sep2018	1.28m
JABAR GARUT	13:14z 05Sep2018	1.21m
NTT MANGGARAI-BARAT BAGIAN SELATAN	13:26z 05Sep2018	1.20m
NTT MANGGARAI BAGIAN SELATAN	13:33z 05Sep2018	0.69m
JATIM MALANG	13:39z 05Sep2018	1.12m
NTB LOMBOK-TIMUR BAGIAN SELATAN	13:42z 05Sep2018	1.22m

BALI BADUNG PANTAI-KUTA	13:43z	05Sep2018	1.49m
NTB SUMBAWA BAGIAN BARAT	13:47z	05Sep2018	0.88m
JATIM LUMAJANG	13:48z	05Sep2018	1.35m
NTB LOMBOK-TENGAH	13:51z	05Sep2018	1.22m
JATIM BANYUWANGI BAGIAN SELATAN	13:58z	05Sep2018	1.21m
BALI KARANG-ASEM BAGIAN SELATAN	13:59z	05Sep2018	0.93m
NTB KOTA-MATARAM	14:02z	05Sep2018	1.00m
NTB LOMBOK-TIMUR BAGIAN TIMUR	14:09z	05Sep2018	1.28m
NTB LOMBOK-BARAT BAGIAN SELATAN	14:10z	05Sep2018	0.90m
JATIM BANYUWANGI BAGIAN TIMUR	14:19z	05Sep2018	1.00m
BALI KLUNGKUNG	14:40z	05Sep2018	0.99m
BALI GIANYAR	15:26z	05Sep2018	1.33m
NTT SUMBA BAGIAN TIMUR	15:28z	05Sep2018	0.99m
NTT LEMBATA BAGIAN SELATAN	15:37z	05Sep2018	0.64m
NTT SUMBA BAGIAN BARAT	15:41z	05Sep2018	1.17m
NTB BIMA PULAU GILI	15:57z	05Sep2018	0.77m
NTT FLORES-TIMUR PULAU SOLOR	16:08z	05Sep2018	0.57m
NTT ALOR BAGIAN SELATAN	16:08z	05Sep2018	0.60m
BALI KLUNGKUNG PULAU NUSAPENIDA	16:21z	05Sep2018	0.98m
NTT KUPANG	16:27z	05Sep2018	0.58m
NTT ENDE BAGIAN SELATAN	16:35z	05Sep2018	0.83m
NTT SIKKA BAGIAN SELATAN	16:36z	05Sep2018	0.55m
NTB KOTA-BIMA BAGIAN SELATAN	17:21z	05Sep2018	1.00m

IRAN

PUSHT	10:53z	05Sep2018	1.11m
BIR	11:05z	05Sep2018	0.81m
MISKI	12:55z	05Sep2018	0.71m

KENYA

KIWAYU	11:32z	05Sep2018	2.63m
KIPINI	11:47z	05Sep2018	1.94m
TAKAUNGU	11:50z	05Sep2018	1.79m
MALINDI	11:54z	05Sep2018	2.19m
MVULENI	11:57z	05Sep2018	1.99m
KISIMACHANDE	11:59z	05Sep2018	1.67m

MADAGASCAR

VOHEMAR	10:41z	05Sep2018	2.13m
ANOROTSANGANA	10:42z	05Sep2018	1.84m
TOAMASINA AIRPORT	10:55z	05Sep2018	1.74m
TAMPOLO	10:55z	05Sep2018	3.85m
FARAFAGANA	11:12z	05Sep2018	4.48m
AMBAHY	11:13z	05Sep2018	3.38m
MANANTENINA	11:45z	05Sep2018	3.07m
SAMPONA	12:24z	05Sep2018	2.82m
EUROPA ISLAND	12:52z	05Sep2018	0.90m
AMBANJA	13:30z	05Sep2018	0.86m
MANJA	13:35z	05Sep2018	0.74m
GLORIOSO ISLANDS	14:59z	05Sep2018	0.96m
BALY	16:56z	05Sep2018	0.79m
ANDROKA	17:08z	05Sep2018	0.68m
TAMOTAMO	17:25z	05Sep2018	0.52m

MALAYSIA

SATUN	06:12z	05Sep2018	3.72m
YAN	06:13z	05Sep2018	3.57m
WEST OF ALOR SETAR	06:40z	05Sep2018	3.49m
SEBERANG PERAI UTARA AND BARAT DAYA	06:44z	05Sep2018	4.99m
SEBERANG PERAI SELATAN	06:45z	05Sep2018	4.21m

KUALA MUDA	06:49z	05Sep2018	2.81m
KERIAN	07:06z	05Sep2018	4.34m
LARUT AND MATANG	07:15z	05Sep2018	3.95m
MANJUNG	07:23z	05Sep2018	3.57m
HILIR PERAK	08:01z	05Sep2018	2.44m
SABAK BERNAM	08:48z	05Sep2018	2.43m
KUALA SELANGOR	10:38z	05Sep2018	1.56m
KUALA LANGAT	11:27z	05Sep2018	1.08m
SEPANG	13:20z	05Sep2018	0.96m
PORT DICKSON	14:07z	05Sep2018	0.77m
ALOR GAJAH	16:21z	05Sep2018	0.54m
JASIN	17:06z	05Sep2018	0.54m

MALDIVES

KULHUDUFFUSHI	06:15z	05Sep2018	4.38m
MALE	06:16z	05Sep2018	3.55m
KOLHUFUSHI	06:16z	05Sep2018	3.60m
THINADHOO	06:17z	05Sep2018	4.61m
DHIYAMIGILI	06:20z	05Sep2018	4.84m
HITHADHOO	06:21z	05Sep2018	5.24m
GOIDHOO	06:28z	05Sep2018	2.79m
NILANDHOO	06:40z	05Sep2018	3.40m
FERIDHOO	06:54z	05Sep2018	2.43m

MAURITIUS

LA FERME	08:49z	05Sep2018	3.96m
CARGADOS CARAJOS	09:22z	05Sep2018	5.32m
AGALEGA ISLAND	09:33z	05Sep2018	1.70m
GRANDE REVIERE SUD EST-EAST	09:37z	05Sep2018	3.00m
GRANDE REVIERE SUD EST-WEST	09:49z	05Sep2018	2.04m

MOZAMBIQUE

MAGANJA	12:08z	05Sep2018	1.64m
QUITERAJÓ	12:08z	05Sep2018	1.18m
TAVARI	12:10z	05Sep2018	0.91m
PEMBA	12:11z	05Sep2018	1.17m
MERONVI	12:14z	05Sep2018	1.32m
MECUFI	12:16z	05Sep2018	1.32m
MURREBUE	12:17z	05Sep2018	0.70m
NANGATA	12:17z	05Sep2018	1.93m
LURIO	12:18z	05Sep2018	1.28m
LUMBO	12:19z	05Sep2018	0.94m
MINHAUINE	12:22z	05Sep2018	4.12m
MOGINCUAL	12:30z	05Sep2018	0.86m
INHARRIME	13:21z	05Sep2018	1.02m
POMENE	13:35z	05Sep2018	1.12m
VILANKULO	13:39z	05Sep2018	0.94m
MAGUEMBA	13:44z	05Sep2018	1.03m
ZAVALA	13:54z	05Sep2018	1.61m
INHASSORO	13:56z	05Sep2018	0.60m
MAPUTO	14:00z	05Sep2018	1.49m
NAMORRE	14:01z	05Sep2018	0.85m
XAI-XAI	14:02z	05Sep2018	1.36m
OCONE	14:04z	05Sep2018	0.77m
AMADE	14:10z	05Sep2018	0.61m
MALUANA	14:10z	05Sep2018	1.05m
VILA DO CHINDE	14:34z	05Sep2018	0.95m
NHANGAU	14:41z	05Sep2018	0.54m
MAIONGUE	14:54z	05Sep2018	1.20m
NOVA LUSITANIA	16:12z	05Sep2018	0.54m
MOEBASE	17:16z	05Sep2018	0.56m

MYANMAR

LORD LOUGHBOROUGH ISLAND	04:45z	05Sep2018	3.73m
THAN KYUN	04:55z	05Sep2018	5.18m
LITTLE COCO ISLAND	05:01z	05Sep2018	1.92m
PREPARIS ISLAND	05:13z	05Sep2018	2.65m
PHARPON	06:07z	05Sep2018	1.52m
KYAUKPYU	06:08z	05Sep2018	2.56m
THAWINCHAUNG	06:12z	05Sep2018	1.68m
SITTWE	06:17z	05Sep2018	2.11m
MAGYIGYAING	06:26z	05Sep2018	3.39m
MAWYEN	06:27z	05Sep2018	2.40m
GREAT WESTERN TORRES ISLAND	06:35z	05Sep2018	2.57m
YE	06:36z	05Sep2018	1.63m
YANGON-S	06:36z	05Sep2018	1.17m
CHEDUBA ISLAND	06:38z	05Sep2018	2.32m
MALI KYUN	06:59z	05Sep2018	1.98m
KYWEGYAUNG	07:42z	05Sep2018	2.16m

OMAN

MASIRAH	10:07z	05Sep2018	0.95m
HASIK	10:10z	05Sep2018	1.55m
MIRBAT	10:17z	05Sep2018	2.10m
TAQAH	10:21z	05Sep2018	2.25m
AL JAZER	10:22z	05Sep2018	1.64m
RAS AR RUWAYS	10:25z	05Sep2018	1.51m
AD DUQM	10:28z	05Sep2018	1.58m
SALALAH	10:31z	05Sep2018	2.24m
SOHAR	11:33z	05Sep2018	0.72m
AL ASHKHARAH	11:42z	05Sep2018	1.44m
AL KHABURAH	11:49z	05Sep2018	0.57m
EAST MUSANDAM	12:03z	05Sep2018	0.94m
SUR	12:35z	05Sep2018	0.87m
MUSCAT	15:41z	05Sep2018	0.56m
QURAYYAT	16:08z	05Sep2018	0.82m
BARKA	16:11z	05Sep2018	0.52m

PAKISTAN

ORMARA	14:08z	05Sep2018	1.14m
WINDER	15:00z	05Sep2018	1.00m
SINDH	15:01z	05Sep2018	1.09m
KARACHI	15:07z	05Sep2018	1.49m

SEYCHELLES

COETIVY ISLAND	09:27z	05Sep2018	3.30m
ILE DESROCHES	09:51z	05Sep2018	2.03m
FREGATE ISLAND	09:56z	05Sep2018	4.14m
ALPHONSE ISLAND	10:02z	05Sep2018	1.26m
FARQUHAR GROUP	10:17z	05Sep2018	1.66m
TAKAMAKA	10:24z	05Sep2018	4.52m
ASTOVE ISLAND	10:50z	05Sep2018	0.87m
ALDABRA	11:00z	05Sep2018	1.76m

SOMALIA

BANDER-BEYLA	10:18z	05Sep2018	3.54m
EYL	10:19z	05Sep2018	4.02m
JARIIBAN	10:25z	05Sep2018	4.01m
GALDOGOB	10:32z	05Sep2018	3.66m
CEEL DHEER	10:32z	05Sep2018	3.09m

MAREEG	10:34z	05Sep2018	2.42m
ITALA	10:34z	05Sep2018	2.39m
TOOXIN	10:39z	05Sep2018	3.15m
XARARDHEERE	10:39z	05Sep2018	3.46m
UARSCIECH	10:43z	05Sep2018	2.67m
MUQDISHO	10:44z	05Sep2018	2.81m
BEYNAX BARRE	10:57z	05Sep2018	2.26m
BARAAWE	10:58z	05Sep2018	2.13m
ABO	11:00z	05Sep2018	3.08m
JILIB	11:05z	05Sep2018	2.19m
TURDHO	11:07z	05Sep2018	2.24m
NE BEERNAASI	11:15z	05Sep2018	2.33m
KAAMBOONI	11:19z	05Sep2018	2.17m
BAKI	12:43z	05Sep2018	0.58m
SAYLAC	12:50z	05Sep2018	0.92m
LOYADO	12:56z	05Sep2018	1.00m
QANDALA	14:35z	05Sep2018	1.15m
HADAAFTIMO	14:37z	05Sep2018	0.68m
KABURA	17:05z	05Sep2018	0.83m
MAYDH	17:13z	05Sep2018	0.55m

SOUTH AFRICA

GWABALANDA HITAWI	13:41z	05Sep2018	1.43m
LAKE SIBAYI	13:43z	05Sep2018	1.39m
PORT DURNFORD	13:43z	05Sep2018	1.18m
KOSIMEER	13:45z	05Sep2018	1.33m
FUNK SEAMOUNT	13:51z	05Sep2018	2.04m
MARGATE	13:57z	05Sep2018	1.54m
BIZANA	13:57z	05Sep2018	1.73m
MANDI	13:58z	05Sep2018	1.27m
KELSO	13:59z	05Sep2018	1.63m
LUSIKISIKI	13:59z	05Sep2018	1.68m
ABORETUM	13:59z	05Sep2018	2.16m
PORT ST JOHNS	14:05z	05Sep2018	1.82m
NGQUELENI	14:09z	05Sep2018	1.97m
ELLIOTDALE	14:12z	05Sep2018	1.83m
WILLOWVALE	14:16z	05Sep2018	2.35m
KENTANI	14:19z	05Sep2018	1.85m
MARSHSTRAND	14:26z	05Sep2018	4.02m
KAYSERS BEACH	14:27z	05Sep2018	3.58m
ZIKHOVA	14:29z	05Sep2018	2.05m
PEDDIE	14:34z	05Sep2018	2.26m
BATHURST	14:45z	05Sep2018	3.16m
ALEXANDRIA	14:47z	05Sep2018	1.93m
PORT ELIZABETH	15:01z	05Sep2018	1.79m
GAMTOOS	15:07z	05Sep2018	1.62m
HANKEY	15:40z	05Sep2018	1.37m
HUMANSDORP	15:52z	05Sep2018	1.35m
GEORGE	15:59z	05Sep2018	1.50m
MOSSEL	16:11z	05Sep2018	1.61m
HEIDELBERG	16:29z	05Sep2018	1.05m
WITAAND	16:33z	05Sep2018	1.53m
BREDASDORP	16:41z	05Sep2018	1.07m

SRI LANKA

AKKARAI PATTU	04:52z	05Sep2018	4.79m
KIRINDA	04:53z	05Sep2018	6.03m
BATTICALOA	04:54z	05Sep2018	5.97m
OKANDA	04:58z	05Sep2018	9.12m
POTTUVIL	05:00z	05Sep2018	10.06m
KATTANKUDI	05:00z	05Sep2018	4.44m
ANAITIVU	05:01z	05Sep2018	1.56m
PANKULAM	05:01z	05Sep2018	3.60m
TANGALLE	05:04z	05Sep2018	4.25m

MATARA	05:06z	05Sep2018	4.68m
MULLAITTIVU	05:08z	05Sep2018	5.27m
HAMBANTOTA	05:09z	05Sep2018	8.14m
GALLE	05:17z	05Sep2018	6.63m
CHUNDIKKULAM	05:24z	05Sep2018	4.27m
AMBALANGODA	05:26z	05Sep2018	4.09m
BERUWALA	05:29z	05Sep2018	3.71m
COLOMBO	05:29z	05Sep2018	2.74m
CHAVAKACHCHERI	05:32z	05Sep2018	5.05m
MORATUWA	05:33z	05Sep2018	4.59m
POINT PEDRO	05:37z	05Sep2018	3.92m
NEGOMBO	05:45z	05Sep2018	2.72m
MUNDAL LAKE	05:47z	05Sep2018	2.58m
MANNAR ISLAND	05:55z	05Sep2018	2.24m
MUSALI	06:07z	05Sep2018	2.07m

TANZANIA

VUMBA	11:43z	05Sep2018	1.27m
VUMBI	11:44z	05Sep2018	1.76m
ZANZIBAR	11:49z	05Sep2018	1.19m
JIMBO	11:51z	05Sep2018	1.33m
GAZIJA	11:53z	05Sep2018	1.81m
KUTANI	11:55z	05Sep2018	1.56m
SONGO SONGO ISLAND	11:58z	05Sep2018	1.32m
MADANGWA	12:00z	05Sep2018	2.25m
RUUVU	12:02z	05Sep2018	1.79m
MSASANI	12:02z	05Sep2018	2.00m
BOMALANDNI	12:06z	05Sep2018	0.98m
WEST TO KONDE	12:10z	05Sep2018	1.14m
BAGAMOYO	12:43z	05Sep2018	1.31m

THAILAND

KO RACHA NOI	04:25z	05Sep2018	9.04m
KOH SURIN TAI	04:47z	05Sep2018	6.22m
THAI MUEANG	04:55z	05Sep2018	7.03m
THAI MUEANG_TAKUA PA	05:06z	05Sep2018	8.50m
KOH ROK	05:06z	05Sep2018	4.22m
KOH LANTA YAI	05:07z	05Sep2018	4.92m
MUEANG SATUN	05:53z	05Sep2018	5.39m
KOH TARUTAO	06:20z	05Sep2018	7.29m

UNITED ARAB EMIRATES

KALBA	11:46z	05Sep2018	0.65m
-------	--------	-----------	-------

UNITED KINGDOM

DIEGO GARCIA	06:48z	05Sep2018	9.40m
MORESBY ISLAND	06:55z	05Sep2018	5.94m
NW EGMONT ISLAND	07:05z	05Sep2018	5.36m

YEMEN

SOCOTRA ISLAND SOUTH	10:02z	05Sep2018	3.91m
DAMQAWT	10:33z	05Sep2018	2.96m
SOCOTRA ISLAND WEST	10:43z	05Sep2018	1.62m
AL GHAYDAH AIRPORT	10:45z	05Sep2018	2.67m
HUSWAYN	10:50z	05Sep2018	3.64m
ALQUMRAH	10:56z	05Sep2018	2.95m
MASILAH WADI	11:00z	05Sep2018	2.05m
EAST TO HAMI	11:09z	05Sep2018	1.26m

SOCOTRA ISLAND NORTH	11:09z 05Sep2018	2.33m
HARRAH	11:10z 05Sep2018	1.51m
HAMI	11:28z 05Sep2018	1.48m
AL MUKALLA	11:30z 05Sep2018	2.06m
AHWAR	11:58z 05Sep2018	0.70m
KHANFAR	12:26z 05Sep2018	0.92m
ADEN	12:28z 05Sep2018	1.52m
MAALLAH	12:31z 05Sep2018	1.09m
QAWAH	13:04z 05Sep2018	0.85m
AL MUALLA	13:06z 05Sep2018	1.02m
RUJUM	14:00z 05Sep2018	0.89m
BROM MAYFA	14:25z 05Sep2018	0.82m

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 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-20180905-0800-008

TSUNAMI BULLETIN NUMBER 8 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0800 UTC, Wednesday, 05 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 : 9.3 Mw
Depth : 10km
Date : 05 Sep 2018
Origin Time: 03:00:00 UTC
Latitude : 3.30N
Longitude : 96.00E
Location : Northern Sumatra, Indonesia

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
Sabang	INDONESIA	5.83N	95.33E	8.00	3:25	Sep 05, 2018
Meulaboh	INDONESIA	4.12N	96.13E	8.00	3:40	Sep 05, 2018
Telukdalam	INDONESIA	5.83N	95.33E	6.00	3:45	Sep 05, 2018
Tanah Bala	INDONESIA	0.53S	98.50E	3.50	4:10	Sep 05, 2018
Sibolga	INDONESIA	1.73N	98.80E	4.00	4:40	Sep 05, 2018
Cocos_Island	AUSTRALIA	12.11S	96.89E	2.11	4:45	Sep 05, 2018
Ko_Taphao_Noi	THAILAND	7.81N	98.41E	2.48	4:48	Sep 05, 2018
Port_Blair	INDIA	11.68N	92.76E	1.10	4:59	Sep 05, 2018
Christmas_Island_AU	AUSTRALIA	10.42S	105.66E	0.75	5:01	Sep 05, 2018
Nancowry	INDIA	8.05N	93.55E	5.35	5:17	Sep 05, 2018
Padang	INDONESIA	0.95S	100.36E	2.00	5:35	Sep 05, 2018
Trincomalee	SRI LANKA	8.56N	81.19E	1.36	5:37	Sep 05, 2018
Langkawi	MALAYSIA	6.41N	99.76E	2.58	6:07	Sep 05, 2018
Pangandaran	INDONESIA	7.74S	108.50E	0.60	6:35	Sep 05, 2018
Cilacap	INDONESIA	7.75S	109.00E	0.50	6:38	Sep 05, 2018
Sadeng	INDONESIA	8.19S	110.79E	0.50	6:40	Sep 05, 2018
Haing Gyi Kyun	MYANMAR	16.00N	94.31E	1.50	6:45	Sep 05, 2018
Gan	MALDIVES	0.68S	73.15E	2.00	6:45	Sep 05, 2018
Male	MALDIVES	4.19N	73.52E	1.45	6:54	Sep 05, 2018
Diego_Garcia	UK	7.23S	72.43E	1.53	6:56	Sep 05, 2018
Minicoy	INDIA	8.28N	73.05E	0.32	7:11	Sep 05, 2018
Penang	MALAYSIA	5.45N	100.18E	3.00	7:15	Sep 05, 2018
Muncar	INDONESIA	8.44S	114.35E	0.30	7:40	Sep 05, 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

COCOS ISLAND	04:43z	05Sep2018	1.67m
CHRISTMAS ISLAND	05:08z	05Sep2018	1.29m
NINGALOO COAST	07:19z	05Sep2018	1.51m
PILBARA COAST WEST	08:10z	05Sep2018	1.82m
GASCOYNE COAST	08:32z	05Sep2018	2.62m
LANCELIN COAST	08:43z	05Sep2018	1.17m
PERTH COAST	09:02z	05Sep2018	1.55m
BUNBURY GEOGRAPHE COAST	09:17z	05Sep2018	2.53m
GERALDTON COAST	09:52z	05Sep2018	1.43m
HEARD ISLAND AND MCDONALD ISLANDS	12:43z	05Sep2018	2.71m
AURORA BANK	12:48z	05Sep2018	1.56m
LEEUEWIN COAST	13:24z	05Sep2018	1.24m
ALBANY COAST	14:36z	05Sep2018	0.70m
PILBARA COAST EAST	14:52z	05Sep2018	1.26m
WEST KIMBERLY COAST	16:17z	05Sep2018	0.55m

BANGLADESH

COXS BAZAR	06:44z	05Sep2018	1.68m
KUTUBDIA ISLAND	06:51z	05Sep2018	1.72m
CHALNA	07:17z	05Sep2018	1.35m
BARGUNA	07:23z	05Sep2018	1.55m

COMOROS

BAMBAO	11:26z	05Sep2018	1.11m
CHEZANI	11:33z	05Sep2018	1.53m
FOMBONI	11:39z	05Sep2018	1.33m
DZAUDZII	16:34z	05Sep2018	0.99m

DJIBOUTI

NW ARTA	12:58z	05Sep2018	1.72m
MUHAMMAD ALI BIN FATHA SUMANA	13:08z	05Sep2018	0.95m

FRANCE

ILE SAINT-PAUL-NORTH	09:33z	05Sep2018	1.74m
ILE SAINT-PAUL-SOUTH	09:43z	05Sep2018	1.77m
SAINT - JOSEPH	10:02z	05Sep2018	1.23m
SAINT-DENIS	10:07z	05Sep2018	1.09m
NES CROZET	12:07z	05Sep2018	2.32m
ILE DE LA POSSESSION	12:08z	05Sep2018	2.42m
CROZET PLATEAU	12:30z	05Sep2018	2.87m
ILE KERGUELEN	12:32z	05Sep2018	4.22m

INDIA

INDIRA POINT	03:00z	05Sep2018	8.78m
KOMATRA AND KATCHAL ISLAND	03:23z	05Sep2018	7.79m
CAR NICOBAR	03:37z	05Sep2018	5.67m
LITTLE ANDAMAN	04:08z	05Sep2018	5.52m
NORTH SENTINEL ISLAND	04:13z	05Sep2018	3.87m
PORT BLAIR	04:25z	05Sep2018	3.75m
BARREN ISLAND	04:25z	05Sep2018	1.77m
HAVELOCK	04:39z	05Sep2018	3.82m
WEST AND LANDFALL ISLAND	04:39z	05Sep2018	2.35m
RANGATH BAY	04:39z	05Sep2018	3.45m
NARCONDAM ISLAND	04:47z	05Sep2018	2.29m
FLAT ISLAND	04:47z	05Sep2018	5.24m
DIGLIPUR	04:50z	05Sep2018	1.99m
MARAKKANAM	05:27z	05Sep2018	2.70m
PUDUCHERRY	05:30z	05Sep2018	4.02m
CUDDALORE	05:31z	05Sep2018	3.48m
POOMBUHAR	05:33z	05Sep2018	3.55m
NAGAPATTINAM	05:35z	05Sep2018	3.50m
ENNORE	05:35z	05Sep2018	4.08m
MAHABALIPURAM	05:37z	05Sep2018	5.75m
KARAIKAL	05:37z	05Sep2018	3.77m
MALLIPATTINAM	05:38z	05Sep2018	3.88m
MUTHUPET	05:38z	05Sep2018	4.73m
CHENNAI	05:40z	05Sep2018	4.67m
MACHILIPATNAM	05:40z	05Sep2018	3.47m
SRIHARIKOTA	05:42z	05Sep2018	3.76m
NIJAMPATTANAM	05:42z	05Sep2018	3.50m
KAKINADA	05:43z	05Sep2018	3.72m
PERUPALEM	05:44z	05Sep2018	4.11m
KOTTAPATNAM	05:52z	05Sep2018	4.67m
KONADA	05:54z	05Sep2018	2.90m
VISAKHAPATNAM	05:54z	05Sep2018	3.68m
PURI	05:58z	05Sep2018	2.27m
KALINGAPATNAM	05:59z	05Sep2018	3.28m
RAMESWARAM	06:06z	05Sep2018	2.44m
KOTTTAIPPATTANAM	06:06z	05Sep2018	3.24m
GOPALPUR	06:07z	05Sep2018	3.95m
PARADIP	06:10z	05Sep2018	2.44m
TUTICORIN	06:10z	05Sep2018	3.16m
KOODANKULAM	06:17z	05Sep2018	3.73m
JAMBOO	06:19z	05Sep2018	2.10m
DHAMRA	06:35z	05Sep2018	1.89m
TRIVANDRUM	06:38z	05Sep2018	3.31m
ALLEPPEY ALAPPUZHA	06:42z	05Sep2018	2.51m
MINICOY	06:42z	05Sep2018	1.41m
KANYAKUMARI	06:43z	05Sep2018	4.07m
HEMNAGAR	06:44z	05Sep2018	1.64m
CHANDIPUR	06:52z	05Sep2018	2.03m
DIGHA	06:54z	05Sep2018	2.04m
NAMKHANA	06:57z	05Sep2018	1.89m
QUILON	06:58z	05Sep2018	2.58m
ANDROTH	07:21z	05Sep2018	1.29m
COCHIN	07:22z	05Sep2018	2.53m
VAKKAD	07:26z	05Sep2018	1.99m
KAVARATTI	07:27z	05Sep2018	1.34m
BEYPORE	07:39z	05Sep2018	2.26m
VADANAPPALLY	07:41z	05Sep2018	2.10m
AGATTI	07:46z	05Sep2018	1.29m
AMINI	07:55z	05Sep2018	1.28m
KANNUR	08:08z	05Sep2018	2.10m
MAHE	08:08z	05Sep2018	2.31m
KASARAGOD	08:20z	05Sep2018	2.14m
MANGALORE	08:32z	05Sep2018	1.99m
UDUPI	08:45z	05Sep2018	1.93m
VASCO	09:14z	05Sep2018	2.09m
PANAJI	09:15z	05Sep2018	1.93m

KARWAR	09:17z	05Sep2018	2.32m
MALVAN BAY	09:34z	05Sep2018	1.52m
JAIGARH	10:10z	05Sep2018	1.34m
ALIBAG PORT	10:55z	05Sep2018	1.37m
PORBANDAR	13:44z	05Sep2018	1.01m
MANGROL	14:12z	05Sep2018	1.24m
MANDVI	14:35z	05Sep2018	0.87m
HAZIRA, DIU	14:36z	05Sep2018	1.05m
DWARKA	14:45z	05Sep2018	1.35m
JAMNAGAR	14:45z	05Sep2018	1.06m
MUMBAI	15:22z	05Sep2018	0.99m
MAHUVA	15:53z	05Sep2018	0.67m
KHAMBAT	15:55z	05Sep2018	0.59m
TARAPUR	16:05z	05Sep2018	0.92m
PIPAVAV	16:17z	05Sep2018	0.85m
HAZIRA	16:38z	05Sep2018	0.55m
BORSI	16:40z	05Sep2018	0.59m
DAMAN	16:52z	05Sep2018	0.77m
BHARUCH	17:48z	05Sep2018	0.57m

INDONESIA

NAD SIMEULUE PULAU SIMEULUE	03:00z	05Sep2018	17.54m
SUMUT NIAS-SELATAN PULAU TANAHMASA	03:00z	05Sep2018	13.11m
SUMUT NIAS BAGIAN BARAT	03:00z	05Sep2018	18.40m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	03:00z	05Sep2018	17.48m
SUMUT NIAS-SELATAN PULAU NIAS	03:00z	05Sep2018	17.63m
SUMUT NIAS-SELATAN PULAU PINI	03:00z	05Sep2018	16.06m
SUMUT NIAS BAGIAN TIMUR	03:00z	05Sep2018	14.08m
SUMUT NIAS-SELATAN PULAU TANABALA	03:03z	05Sep2018	9.96m
NAD KOTA-SABANG PULAU RONDO	03:11z	05Sep2018	7.55m
NAD KOTA-SABANG PULAU WEH	03:13z	05Sep2018	18.07m
NAD ACEH-SELATAN BAGIAN UTARA	03:14z	05Sep2018	19.40m
NAD ACEH-BESAR PULAU PENAS	03:17z	05Sep2018	33.35m
NAD ACEH-JAYA	03:18z	05Sep2018	30.14m
NAD ACEH-BESAR BAGIAN BARAT	03:18z	05Sep2018	45.23m
NAD NAGAN-RAYA	03:18z	05Sep2018	17.42m
NAD ACEH-BESAR PULAU BREUEH	03:19z	05Sep2018	17.44m
SUMBAR KEPULAUAN-MENTAWAI P. SIBERUT	03:20z	05Sep2018	2.71m
NAD KOTA-BANDA-ACEH	03:22z	05Sep2018	25.31m
NAD ACEH-BARAT	03:24z	05Sep2018	26.66m
NAD ACEH-BESAR BAGIAN UTARA	03:25z	05Sep2018	13.00m
NAD ACEH-BARAT-DAYA	03:27z	05Sep2018	28.68m
NAD PIDIE	03:32z	05Sep2018	15.65m
SUMUT TAPANULI-TENGAH KEP. MURSALA	03:34z	05Sep2018	12.39m
NAD ACEH-SELATAN BAGIAN SELATAN	03:34z	05Sep2018	39.20m
NAD ACEH-SINGKIL	03:35z	05Sep2018	24.13m
SUMUT TAPANULI-TENGAH BAGIAN UTARA	03:35z	05Sep2018	17.96m
SUMBAR KEPULAUAN-MENTAWAI PULAU SIPORA	03:37z	05Sep2018	2.59m
SUMUT TAPANULI-TENGAH BAGIAN SELATAN	03:47z	05Sep2018	17.82m
NAD BIREUEN	03:48z	05Sep2018	7.16m
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	03:48z	05Sep2018	1.88m
SUMUT TAPANULI-SELATAN	03:48z	05Sep2018	16.67m
SUMUT MANDAILING-NATAL BAGIAN UTARA	03:51z	05Sep2018	19.71m
NAD ACEH-UTARA BAGIAN BARAT	03:53z	05Sep2018	9.18m
NAD KOTA-LHOKSEUMAWE	03:58z	05Sep2018	9.13m
SUMBAR KOTA-PADANG BAGIAN SELATAN	04:00z	05Sep2018	8.69m
SUMBAR PASAMAN-BARAT	04:02z	05Sep2018	14.77m
SUMBAR PADANG-PARIAMAN BAGIAN SELATAN	04:07z	05Sep2018	4.23m
SUMBAR AGAM	04:07z	05Sep2018	9.84m
SUMBAR KOTA-PADANG BAGIAN UTARA	04:07z	05Sep2018	5.88m
SUMBAR KOTA-PARIAMAN	04:09z	05Sep2018	5.12m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	04:09z	05Sep2018	20.40m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	04:12z	05Sep2018	5.19m
NAD ACEH-UTARA BAGIAN TIMUR	04:15z	05Sep2018	12.26m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	04:16z	05Sep2018	2.25m
SUMUT KOTA-SIBOLGA	04:20z	05Sep2018	20.76m

SUMBAR PESISIR-SELATAN BAGIAN UTARA	04:31z 05Sep2018	3.69m
SUMBAR PESISIR-SELATAN BAGIAN SELATAN	04:36z 05Sep2018	3.75m
BENGKULU KAUR	04:37z 05Sep2018	2.16m
BENGKULU MUKOMUKO	04:39z 05Sep2018	4.49m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	04:40z 05Sep2018	2.20m
BENGKULU SELUMA	04:40z 05Sep2018	5.19m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	04:41z 05Sep2018	4.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	04:41z 05Sep2018	2.17m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	04:42z 05Sep2018	2.28m
BENGKULU BENGKULU-SELATAN	04:46z 05Sep2018	4.83m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	04:48z 05Sep2018	8.00m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	04:50z 05Sep2018	5.85m
BANTEN PANDEGLANG PULAU PANAITAN	04:51z 05Sep2018	1.54m
BANTEN LEBAK	05:04z 05Sep2018	1.74m
LAMPUNG TANGGAMUS BAGIAN TIMUR	05:06z 05Sep2018	2.32m
LAMPUNG LAMPUNG-SELATAN KEP. LEGUNDI	05:07z 05Sep2018	2.26m
JABAR SUKABUMI PELABUHAN-RATU	05:08z 05Sep2018	2.30m
LAMPUNG TANGGAMUS BAGIAN BARAT	05:11z 05Sep2018	4.60m
LAMPUNG TANGGAMUS PULAU TABUAN	05:12z 05Sep2018	2.71m
LAMPUNG LAMPUNG-SELATAN KEP. KRAKATAU	05:13z 05Sep2018	2.36m
JABAR SUKABUMI UJUNG-GENTENG	05:15z 05Sep2018	1.39m
LAMPUNG LAMPUNG-SELATAN KEP. SEBUKU	05:20z 05Sep2018	3.00m
JABAR CIANJUR SINDANGBARANG	05:26z 05Sep2018	1.18m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	05:52z 05Sep2018	1.25m
NAD ACEH-TIMUR	05:56z 05Sep2018	6.36m
NAD KOTA-LANGSA	05:59z 05Sep2018	6.98m
NAD ACEH-TAMIAH	06:00z 05Sep2018	6.63m
DIY BANTUL	06:00z 05Sep2018	1.84m
JATENG WONOGIRI	06:03z 05Sep2018	1.16m
DIY GUNUNG-KIDUL	06:03z 05Sep2018	1.48m
JABAR CIAMIS	06:04z 05Sep2018	1.58m
DIY KULON-PROGO	06:04z 05Sep2018	1.64m
BANTEN SERANG BAGIAN BARAT	06:05z 05Sep2018	1.78m
JATENG PURWOREJO	06:08z 05Sep2018	2.29m
JATENG KEBUMEN	06:09z 05Sep2018	2.38m
JATENG CILACAP	06:15z 05Sep2018	2.25m
LAMPUNG LAMPUNG-SELATAN KALIANDA	06:16z 05Sep2018	2.60m
JATIM TULUNGAGUNG	06:17z 05Sep2018	1.06m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI PANJANG	06:23z 05Sep2018	3.97m
JATIM BLITAR	06:24z 05Sep2018	1.43m
BANTEN KOTA-CILEGON	06:32z 05Sep2018	2.18m
JATIM JEMBER PULAU NUSABARUNG	06:38z 05Sep2018	1.57m
JABAR TASIKMALAYA	06:38z 05Sep2018	1.83m
SUMUT LANGKAT	06:59z 05Sep2018	5.27m
SUMUT KOTA-MEDAN	07:24z 05Sep2018	6.16m
SUMUT DELISERDANG	07:26z 05Sep2018	4.60m
BALI JEMBRANA	07:37z 05Sep2018	2.14m
SUMUT SERDANG-BEDAGAI	07:54z 05Sep2018	4.77m
SUMUT ASAHAN	08:24z 05Sep2018	3.34m
BANTEN KOTA-CILEGON PULAU SANGIA	08:56z 05Sep2018	1.25m
SUMUT LABUHANBATU	09:56z 05Sep2018	1.92m
JATIM PACITAN	10:00z 05Sep2018	1.62m
LAMPUNG LAMPUNG-SELATAN BAGIAN BARAT	10:01z 05Sep2018	2.34m
BANTEN PANDEGLANG BAGIAN SELATAN	11:08z 05Sep2018	1.96m
NTB SUMBAWA BAGIAN SELATAN	11:30z 05Sep2018	0.87m
NTB DOMPU BAGIAN SELATAN	11:42z 05Sep2018	1.97m
NTT KEPULAUAN MANGGARAI-BARAT	11:57z 05Sep2018	1.38m
BANTEN PANDEGLANG BAGIAN UTARA	12:04z 05Sep2018	1.60m
NTT NGADA BAGIAN SELATAN	12:27z 05Sep2018	0.74m
JATIM JEMBER	12:32z 05Sep2018	1.60m
RIAU ROKAN-HILIR	12:37z 05Sep2018	1.90m
NTT FLORES-TIMUR PULAU ADONARA	12:46z 05Sep2018	0.57m
BALI DENPASAR PANTAI-SANUR	12:50z 05Sep2018	1.41m
BALI TABANAN	12:53z 05Sep2018	1.43m
JATIM TRENGGALEK	13:09z 05Sep2018	1.59m
RIAU BENGKALIS	13:12z 05Sep2018	1.28m
JABAR GARUT	13:14z 05Sep2018	1.21m
NTT MANGGARAI-BARAT BAGIAN SELATAN	13:26z 05Sep2018	1.20m

NTT MANGGARAI BAGIAN SELATAN	13:33z	05Sep2018	0.69m
JATIM MALANG	13:39z	05Sep2018	1.12m
NTB LOMBOK-TIMUR BAGIAN SELATAN	13:42z	05Sep2018	1.22m
BALI BADUNG PANTAI-KUTA	13:43z	05Sep2018	1.49m
NTB SUMBAWA BAGIAN BARAT	13:47z	05Sep2018	0.88m
JATIM LUMAJANG	13:48z	05Sep2018	1.35m
NTB LOMBOK-TENGAH	13:51z	05Sep2018	1.22m
JATIM BANYUWANGI BAGIAN SELATAN	13:58z	05Sep2018	1.21m
BALI KARANG-ASEM BAGIAN SELATAN	13:59z	05Sep2018	0.93m
NTB KOTA-MATARAM	14:02z	05Sep2018	1.00m
NTB LOMBOK-TIMUR BAGIAN TIMUR	14:09z	05Sep2018	1.28m
NTB LOMBOK-BARAT BAGIAN SELATAN	14:10z	05Sep2018	0.90m
JATIM BANYUWANGI BAGIAN TIMUR	14:19z	05Sep2018	1.00m
BALI KLUNGKUNG	14:40z	05Sep2018	0.99m
BALI GIANYAR	15:26z	05Sep2018	1.33m
NTT SUMBA BAGIAN TIMUR	15:28z	05Sep2018	0.99m
NTT LEMBATA BAGIAN SELATAN	15:37z	05Sep2018	0.64m
NTT SUMBA BAGIAN BARAT	15:41z	05Sep2018	1.17m
NTB BIMA PULAU GILI	15:57z	05Sep2018	0.77m
NTT FLORES-TIMUR PULAU SOLOR	16:08z	05Sep2018	0.57m
NTT ALOR BAGIAN SELATAN	16:08z	05Sep2018	0.60m
BALI KLUNGKUNG PULAU NUSAPENIDA	16:21z	05Sep2018	0.98m
NTT KUPANG	16:27z	05Sep2018	0.58m
NTT ENDE BAGIAN SELATAN	16:35z	05Sep2018	0.83m
NTT SIKKA BAGIAN SELATAN	16:36z	05Sep2018	0.55m
NTB KOTA-BIMA BAGIAN SELATAN	17:21z	05Sep2018	1.00m

IRAN

PUSHT	10:53z	05Sep2018	1.11m
BIR	11:05z	05Sep2018	0.81m
MISKI	12:55z	05Sep2018	0.71m

KENYA

KIWAYU	11:32z	05Sep2018	2.63m
KIPINI	11:47z	05Sep2018	1.94m
TAKAUNGU	11:50z	05Sep2018	1.79m
MALINDI	11:54z	05Sep2018	2.19m
MVULENI	11:57z	05Sep2018	1.99m
KISIMACHANDE	11:59z	05Sep2018	1.67m

MADAGASCAR

VOHEMAR	10:41z	05Sep2018	2.13m
ANOROTSANGANA	10:42z	05Sep2018	1.84m
TOAMASINA AIRPORT	10:55z	05Sep2018	1.74m
TAMPOLO	10:55z	05Sep2018	3.85m
FARAFAGANA	11:12z	05Sep2018	4.48m
AMBAHY	11:13z	05Sep2018	3.38m
MANANTENINA	11:45z	05Sep2018	3.07m
SAMPONA	12:24z	05Sep2018	2.82m
EUROPA ISLAND	12:52z	05Sep2018	0.90m
AMBANJA	13:30z	05Sep2018	0.86m
MANJA	13:35z	05Sep2018	0.74m
GLORIOSO ISLANDS	14:59z	05Sep2018	0.96m
BALY	16:56z	05Sep2018	0.79m
ANDROKA	17:08z	05Sep2018	0.68m
TAMOTAMO	17:25z	05Sep2018	0.52m

MALAYSIA

SATUN	06:12z	05Sep2018	3.72m
YAN	06:13z	05Sep2018	3.57m

WEST OF ALOR SETAR	06:40z	05Sep2018	3.49m
SEBERANG PERAI UTARA AND BARAT DAYA	06:44z	05Sep2018	4.99m
SEBERANG PERAI SELATAN	06:45z	05Sep2018	4.21m
KUALA MUDA	06:49z	05Sep2018	2.81m
KERIAN	07:06z	05Sep2018	4.34m
LARUT AND MATANG	07:15z	05Sep2018	3.95m
MANJUNG	07:23z	05Sep2018	3.57m
HILIR PERAK	08:01z	05Sep2018	2.44m
SABAK BERNAM	08:48z	05Sep2018	2.43m
KUALA SELANGOR	10:38z	05Sep2018	1.56m
KUALA LANGAT	11:27z	05Sep2018	1.08m
SEPANG	13:20z	05Sep2018	0.96m
PORT DICKSON	14:07z	05Sep2018	0.77m
ALOR GAJAH	16:21z	05Sep2018	0.54m
JASIN	17:06z	05Sep2018	0.54m

MALDIVES

KULHUDUFFUSHI	06:15z	05Sep2018	4.38m
MALE	06:16z	05Sep2018	3.55m
KOLHUFUSHI	06:16z	05Sep2018	3.60m
THINADHOO	06:17z	05Sep2018	4.61m
DHIYAMIGILI	06:20z	05Sep2018	4.84m
HITHADHOO	06:21z	05Sep2018	5.24m
GOIDHOO	06:28z	05Sep2018	2.79m
NILANDHOO	06:40z	05Sep2018	3.40m
FERIDHOO	06:54z	05Sep2018	2.43m

MAURITIUS

LA FERME	08:49z	05Sep2018	3.96m
CARGADOS CARAJOS	09:22z	05Sep2018	5.32m
AGALEGA ISLAND	09:33z	05Sep2018	1.70m
GRANDE REVIERE SUD EST-EAST	09:37z	05Sep2018	3.00m
GRANDE REVIERE SUD EST-WEST	09:49z	05Sep2018	2.04m

MOZAMBIQUE

MAGANJA	12:08z	05Sep2018	1.64m
QUITERAJO	12:08z	05Sep2018	1.18m
TAVARI	12:10z	05Sep2018	0.91m
PEMBA	12:11z	05Sep2018	1.17m
MERONVI	12:14z	05Sep2018	1.32m
MECUFI	12:16z	05Sep2018	1.32m
MURREBUE	12:17z	05Sep2018	0.70m
NANGATA	12:17z	05Sep2018	1.93m
LURIO	12:18z	05Sep2018	1.28m
LUMBO	12:19z	05Sep2018	0.94m
MINHAUINE	12:22z	05Sep2018	4.12m
MOGINCUAL	12:30z	05Sep2018	0.86m
INHARRIME	13:21z	05Sep2018	1.02m
POMENE	13:35z	05Sep2018	1.12m
VILANKULO	13:39z	05Sep2018	0.94m
MAGUEMBA	13:44z	05Sep2018	1.03m
ZAVALA	13:54z	05Sep2018	1.61m
INHASSORO	13:56z	05Sep2018	0.60m
MAPUTO	14:00z	05Sep2018	1.49m
NAMORRE	14:01z	05Sep2018	0.85m
XAI-XAI	14:02z	05Sep2018	1.36m
OCONE	14:04z	05Sep2018	0.77m
AMADE	14:10z	05Sep2018	0.61m
MALUANA	14:10z	05Sep2018	1.05m
VILA DO CHINDE	14:34z	05Sep2018	0.95m
NHANGAU	14:41z	05Sep2018	0.54m
MAIONGUE	14:54z	05Sep2018	1.20m

IOC Technical Series, 138 (I) Supplement 2
page 368

NOVA LUSITANIA	16:12z	05Sep2018	0.54m
MOEBASE	17:16z	05Sep2018	0.56m

MYANMAR

LORD LOUGHBOROUGH ISLAND	04:45z	05Sep2018	3.73m
THAN KYUN	04:55z	05Sep2018	5.18m
LITTLE COCO ISLAND	05:01z	05Sep2018	1.92m
PREPARIS ISLAND	05:13z	05Sep2018	2.65m
PHARPON	06:07z	05Sep2018	1.52m
KYAUKPYU	06:08z	05Sep2018	2.56m
THAWINCHAUNG	06:12z	05Sep2018	1.68m
SITTWE	06:17z	05Sep2018	2.11m
MAGYIGYAING	06:26z	05Sep2018	3.39m
MAWYEN	06:27z	05Sep2018	2.40m
GREAT WESTERN TORRES ISLAND	06:35z	05Sep2018	2.57m
YE	06:36z	05Sep2018	1.63m
YANGON-S	06:36z	05Sep2018	1.17m
CHEDUBA ISLAND	06:38z	05Sep2018	2.32m
MALI KYUN	06:59z	05Sep2018	1.98m
KYWEGYAUNG	07:42z	05Sep2018	2.16m

OMAN

MASIRAH	10:07z	05Sep2018	0.95m
HASIK	10:10z	05Sep2018	1.55m
MIRBAT	10:17z	05Sep2018	2.10m
TAQAH	10:21z	05Sep2018	2.25m
AL JAZER	10:22z	05Sep2018	1.64m
RAS AR RUWAYS	10:25z	05Sep2018	1.51m
AD DUQM	10:28z	05Sep2018	1.58m
SALALAH	10:31z	05Sep2018	2.24m
SOHAR	11:33z	05Sep2018	0.72m
AL ASHKHARAH	11:42z	05Sep2018	1.44m
AL KHABURAH	11:49z	05Sep2018	0.57m
EAST MUSANDAM	12:03z	05Sep2018	0.94m
SUR	12:35z	05Sep2018	0.87m
MUSCAT	15:41z	05Sep2018	0.56m
QURAYYAT	16:08z	05Sep2018	0.82m
BARKA	16:11z	05Sep2018	0.52m

PAKISTAN

ORMARA	14:08z	05Sep2018	1.14m
WINDER	15:00z	05Sep2018	1.00m
SINDH	15:01z	05Sep2018	1.09m
KARACHI	15:07z	05Sep2018	1.49m

SEYCHELLES

COETIVY ISLAND	09:27z	05Sep2018	3.30m
ILE DESROCHES	09:51z	05Sep2018	2.03m
FREGATE ISLAND	09:56z	05Sep2018	4.14m
ALPHONSE ISLAND	10:02z	05Sep2018	1.26m
FARQUHAR GROUP	10:17z	05Sep2018	1.66m
TAKAMAKA	10:24z	05Sep2018	4.52m
ASTOVE ISLAND	10:50z	05Sep2018	0.87m
ALDABRA	11:00z	05Sep2018	1.76m

SOMALIA

BANDER-BEYLA	10:18z	05Sep2018	3.54m
EYL	10:19z	05Sep2018	4.02m

JARIIBAN	10:25z	05Sep2018	4.01m
GALDOGOB	10:32z	05Sep2018	3.66m
CEEL DHEER	10:32z	05Sep2018	3.09m
MAREEG	10:34z	05Sep2018	2.42m
ITALA	10:34z	05Sep2018	2.39m
TOOXIN	10:39z	05Sep2018	3.15m
XARARDHEERE	10:39z	05Sep2018	3.46m
UARSCIECH	10:43z	05Sep2018	2.67m
MUQDISHO	10:44z	05Sep2018	2.81m
BEYNAX BARRE	10:57z	05Sep2018	2.26m
BARAAWE	10:58z	05Sep2018	2.13m
ABO	11:00z	05Sep2018	3.08m
JILIB	11:05z	05Sep2018	2.19m
TURDHO	11:07z	05Sep2018	2.24m
NE BEERNAASI	11:15z	05Sep2018	2.33m
KAAMBOONI	11:19z	05Sep2018	2.17m
BAKI	12:43z	05Sep2018	0.58m
SAYLAC	12:50z	05Sep2018	0.92m
LOYADO	12:56z	05Sep2018	1.00m
QANDALA	14:35z	05Sep2018	1.15m
HADAAFTIMO	14:37z	05Sep2018	0.68m
KABURA	17:05z	05Sep2018	0.83m
MAYDH	17:13z	05Sep2018	0.55m

SOUTH AFRICA

GWABALANDA HITAWI	13:41z	05Sep2018	1.43m
LAKE SIBAYI	13:43z	05Sep2018	1.39m
PORT DURNFORD	13:43z	05Sep2018	1.18m
KOSIMEER	13:45z	05Sep2018	1.33m
FUNK SEAMOUNT	13:51z	05Sep2018	2.04m
MARGATE	13:57z	05Sep2018	1.54m
BIZANA	13:57z	05Sep2018	1.73m
MANDI	13:58z	05Sep2018	1.27m
KELSO	13:59z	05Sep2018	1.63m
LUSIKISIKI	13:59z	05Sep2018	1.68m
ABORETUM	13:59z	05Sep2018	2.16m
PORT ST JOHNS	14:05z	05Sep2018	1.82m
NGQUELENI	14:09z	05Sep2018	1.97m
ELLIOTDALE	14:12z	05Sep2018	1.83m
WILLOWVALE	14:16z	05Sep2018	2.35m
KENTANI	14:19z	05Sep2018	1.85m
MARSHSTRAND	14:26z	05Sep2018	4.02m
KAYSERS BEACH	14:27z	05Sep2018	3.58m
ZIKHOVA	14:29z	05Sep2018	2.05m
PEDDIE	14:34z	05Sep2018	2.26m
BATHURST	14:45z	05Sep2018	3.16m
ALEXANDRIA	14:47z	05Sep2018	1.93m
PORT ELIZABETH	15:01z	05Sep2018	1.79m
GAMTOOS	15:07z	05Sep2018	1.62m
HANKEY	15:40z	05Sep2018	1.37m
HUMANSDORP	15:52z	05Sep2018	1.35m
GEORGE	15:59z	05Sep2018	1.50m
MOSSEL	16:11z	05Sep2018	1.61m
HEIDELBERG	16:29z	05Sep2018	1.05m
WITAAND	16:33z	05Sep2018	1.53m
BREDASDORP	16:41z	05Sep2018	1.07m

SRI LANKA

AKKARAIATTU	04:52z	05Sep2018	4.79m
KIRINDA	04:53z	05Sep2018	6.03m
BATTICALOA	04:54z	05Sep2018	5.97m
OKANDA	04:58z	05Sep2018	9.12m
POTTUVIL	05:00z	05Sep2018	10.06m
KATTANKUDI	05:00z	05Sep2018	4.44m

IOC Technical Series, 138 (I) Supplement 2
page 370

ANAITIVU	05:01z	05Sep2018	1.56m
PANKULAM	05:01z	05Sep2018	3.60m
TANGALLE	05:04z	05Sep2018	4.25m
MATARA	05:06z	05Sep2018	4.68m
MULLAITTIVU	05:08z	05Sep2018	5.27m
HAMBANTOTA	05:09z	05Sep2018	8.14m
GALLE	05:17z	05Sep2018	6.63m
CHUNDIKKULAM	05:24z	05Sep2018	4.27m
AMBALANGODA	05:26z	05Sep2018	4.09m
BERUWALA	05:29z	05Sep2018	3.71m
COLOMBO	05:29z	05Sep2018	2.74m
CHAVAKACHCHERI	05:32z	05Sep2018	5.05m
MORATUWA	05:33z	05Sep2018	4.59m
POINT PEDRO	05:37z	05Sep2018	3.92m
NEGOMBO	05:45z	05Sep2018	2.72m
MUNDAL LAKE	05:47z	05Sep2018	2.58m
MANNAR ISLAND	05:55z	05Sep2018	2.24m
MUSALI	06:07z	05Sep2018	2.07m

TANZANIA

VUMBA	11:43z	05Sep2018	1.27m
VUMBI	11:44z	05Sep2018	1.76m
ZANZIBAR	11:49z	05Sep2018	1.19m
JIMBO	11:51z	05Sep2018	1.33m
GAZIJA	11:53z	05Sep2018	1.81m
KUTANI	11:55z	05Sep2018	1.56m
SONGO SONGO ISLAND	11:58z	05Sep2018	1.32m
MADANGWA	12:00z	05Sep2018	2.25m
RUUU	12:02z	05Sep2018	1.79m
MSASANI	12:02z	05Sep2018	2.00m
BOMALANDNI	12:06z	05Sep2018	0.98m
WEST TO KONDE	12:10z	05Sep2018	1.14m
BAGAMOYO	12:43z	05Sep2018	1.31m

THAILAND

KO RACHA NOI	04:25z	05Sep2018	9.04m
KOH SURIN TAI	04:47z	05Sep2018	6.22m
THAI MUEANG	04:55z	05Sep2018	7.03m
THAI MUEANG_TAKUA PA	05:06z	05Sep2018	8.50m
KOH ROK	05:06z	05Sep2018	4.22m
KOH LANTA YAI	05:07z	05Sep2018	4.92m
MUEANG SATUN	05:53z	05Sep2018	5.39m
KOH TARUTAO	06:20z	05Sep2018	7.29m

UNITED ARAB EMIRATES

KALBA	11:46z	05Sep2018	0.65m
-------	--------	-----------	-------

UNITED KINGDOM

DIEGO GARCIA	06:48z	05Sep2018	9.40m
MORESBY ISLAND	06:55z	05Sep2018	5.94m
NW EGMONT ISLAND	07:05z	05Sep2018	5.36m

YEMEN

SOCOTRA ISLAND SOUTH	10:02z	05Sep2018	3.91m
DAMQAWT	10:33z	05Sep2018	2.96m
SOCOTRA ISLAND WEST	10:43z	05Sep2018	1.62m
AL GHAYDAH AIRPORT	10:45z	05Sep2018	2.67m
HUSWAYN	10:50z	05Sep2018	3.64m

ALQUMRAH	10:56z	05Sep2018	2.95m
MASILAH WADI	11:00z	05Sep2018	2.05m
EAST TO HAMI	11:09z	05Sep2018	1.26m
SOCOTRA ISLAND NORTH	11:09z	05Sep2018	2.33m
HARRAH	11:10z	05Sep2018	1.51m
HAMI	11:28z	05Sep2018	1.48m
AL MUKALLA	11:30z	05Sep2018	2.06m
AHWAR	11:58z	05Sep2018	0.70m
KHANFAR	12:26z	05Sep2018	0.92m
ADEN	12:28z	05Sep2018	1.52m
MAALLAH	12:31z	05Sep2018	1.09m
QAWAH	13:04z	05Sep2018	0.85m
AL MUALLA	13:06z	05Sep2018	1.02m
RUJUM	14:00z	05Sep2018	0.89m
BROM MAYFA	14:25z	05Sep2018	0.82m

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 9

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-20180905-0900-009

TSUNAMI BULLETIN NUMBER 9 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0900 UTC, Wednesday, 05 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 : 9.3 Mw
Depth : 10km
Date : 05 Sep 2018
Origin Time: 03:00:00 UTC
Latitude : 3.30N
Longitude : 96.00E
Location : Northern Sumatra, Indonesia

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
Sabang	INDONESIA	5.83N	95.33E	8.00	3:25	Sep 05, 2018
Meulaboh	INDONESIA	4.12N	96.13E	8.00	3:40	Sep 05, 2018
Telukdalam	INDONESIA	5.83N	95.33E	6.00	3:45	Sep 05, 2018
Tanah Bala	INDONESIA	0.53S	98.50E	3.50	4:10	Sep 05, 2018
Sibolga	INDONESIA	1.73N	98.80E	4.00	4:40	Sep 05, 2018
Cocos_Island	AUSTRALIA	12.11S	96.89E	2.11	4:45	Sep 05, 2018
Ko_Taphao_Noi	THAILAND	7.81N	98.41E	2.48	4:48	Sep 05, 2018
Port_Blair	INDIA	11.68N	92.76E	1.10	4:59	Sep 05, 2018
Christmas_Island_AU	AUSTRALIA	10.42S	105.66E	0.75	5:01	Sep 05, 2018
Nancowry	INDIA	8.05N	93.55E	5.35	5:17	Sep 05, 2018
Padang	INDONESIA	0.95S	100.36E	2.00	5:35	Sep 05, 2018
Trincomalee	SRI LANKA	8.56N	81.19E	1.36	5:37	Sep 05, 2018
Langkawi	MALAYSIA	6.41N	99.76E	2.58	6:07	Sep 05, 2018
Pangandaran	INDONESIA	7.74S	108.50E	0.60	6:35	Sep 05, 2018
Cilacap	INDONESIA	7.75S	109.00E	0.50	6:38	Sep 05, 2018
Sadeng	INDONESIA	8.19S	110.79E	0.50	6:40	Sep 05, 2018
Haing Gyi Kyun	MYANMAR	16.00N	94.31E	1.50	6:45	Sep 05, 2018
Gan	MALDIVES	0.68S	73.15E	2.00	6:45	Sep 05, 2018
Male	MALDIVES	4.19N	73.52E	1.45	6:54	Sep 05, 2018
Diego_Garcia	UK	7.23S	72.43E	1.53	6:56	Sep 05, 2018
Minicoy	INDIA	8.28N	73.05E	0.32	7:11	Sep 05, 2018
Penang	MALAYSIA	5.45N	100.18E	3.00	7:15	Sep 05, 2018
Muncar	INDONESIA	8.44S	114.35E	0.30	7:40	Sep 05, 2018
Cape_Cuvier_Wharf	AUSTRALIA	24.22S	113.39E	3.00	8:05	Sep 05, 2018
Waikelo	INDONESIA	9.38S	119.21E	0.20	8:10	Sep 05, 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

COCOS ISLAND	04:43z	05Sep2018	1.67m
CHRISTMAS ISLAND	05:08z	05Sep2018	1.29m
NINGALOO COAST	07:19z	05Sep2018	1.51m
PILBARA COAST WEST	08:10z	05Sep2018	1.82m
GASCOYNE COAST	08:32z	05Sep2018	2.62m
LANCELIN COAST	08:43z	05Sep2018	1.17m
PERTH COAST	09:02z	05Sep2018	1.55m
BUNBURY GEOGRAPHE COAST	09:17z	05Sep2018	2.53m
GERALDTON COAST	09:52z	05Sep2018	1.43m
HEARD ISLAND AND MCDONALD ISLANDS	12:43z	05Sep2018	2.71m
AURORA BANK	12:48z	05Sep2018	1.56m
LEEUEWIN COAST	13:24z	05Sep2018	1.24m
ALBANY COAST	14:36z	05Sep2018	0.70m
PILBARA COAST EAST	14:52z	05Sep2018	1.26m
WEST KIMBERLY COAST	16:17z	05Sep2018	0.55m

BANGLADESH

COXS BAZAR	06:44z	05Sep2018	1.68m
KUTUBDIA ISLAND	06:51z	05Sep2018	1.72m
CHALNA	07:17z	05Sep2018	1.35m
BARGUNA	07:23z	05Sep2018	1.55m

COMOROS

BAMBAO	11:26z	05Sep2018	1.11m
CHEZANI	11:33z	05Sep2018	1.53m
FOMBONI	11:39z	05Sep2018	1.33m
DZAOUDZI	16:34z	05Sep2018	0.99m

DJIBOUTI

NW ARTA	12:58z	05Sep2018	1.72m
MUHAMMAD ALI BIN FATHA SUMANA	13:08z	05Sep2018	0.95m

FRANCE

ILE SAINT-PAUL-NORTH	09:33z	05Sep2018	1.74m
ILE SAINT-PAUL-SOUTH	09:43z	05Sep2018	1.77m
SAINT - JOSEPH	10:02z	05Sep2018	1.23m
SAINT-DENIS	10:07z	05Sep2018	1.09m
NES CROZET	12:07z	05Sep2018	2.32m
ILE DE LA POSSESSION	12:08z	05Sep2018	2.42m
CROZET PLATEAU	12:30z	05Sep2018	2.87m
ILE KERGUELEN	12:32z	05Sep2018	4.22m

INDIA

INDIRA POINT	03:00z	05Sep2018	8.78m
KOMATRA AND KATCHAL ISLAND	03:23z	05Sep2018	7.79m
CAR NICOBAR	03:37z	05Sep2018	5.67m
LITTLE ANDAMAN	04:08z	05Sep2018	5.52m
NORTH SENTINEL ISLAND	04:13z	05Sep2018	3.87m
PORT BLAIR	04:25z	05Sep2018	3.75m
BARREN ISLAND	04:25z	05Sep2018	1.77m
HAVELOCK	04:39z	05Sep2018	3.82m
WEST AND LANDFALL ISLAND	04:39z	05Sep2018	2.35m
RANGATH BAY	04:39z	05Sep2018	3.45m
NARCONDAM ISLAND	04:47z	05Sep2018	2.29m
FLAT ISLAND	04:47z	05Sep2018	5.24m
DIGLIPUR	04:50z	05Sep2018	1.99m
MARAKKANAM	05:27z	05Sep2018	2.70m
PUDUCHERRY	05:30z	05Sep2018	4.02m
CUDDALORE	05:31z	05Sep2018	3.48m
POOMBUHAR	05:33z	05Sep2018	3.55m
NAGAPATTINAM	05:35z	05Sep2018	3.50m
ENNORE	05:35z	05Sep2018	4.08m
MAHABALIPURAM	05:37z	05Sep2018	5.75m
KARAIKAL	05:37z	05Sep2018	3.77m
MALLIPATTINAM	05:38z	05Sep2018	3.88m
MUTHUPET	05:38z	05Sep2018	4.73m
CHENNAI	05:40z	05Sep2018	4.67m
MACHILIPATNAM	05:40z	05Sep2018	3.47m
SRIHARIKOTA	05:42z	05Sep2018	3.76m
NIJAMPATTANAM	05:42z	05Sep2018	3.50m
KAKINADA	05:43z	05Sep2018	3.72m
PERUPALEM	05:44z	05Sep2018	4.11m
KOTTAPATNAM	05:52z	05Sep2018	4.67m
KONADA	05:54z	05Sep2018	2.90m
VISAKHAPATNAM	05:54z	05Sep2018	3.68m
PURI	05:58z	05Sep2018	2.27m
KALINGAPATNAM	05:59z	05Sep2018	3.28m
RAMESWARAM	06:06z	05Sep2018	2.44m
KOTTTAIPPATTANAM	06:06z	05Sep2018	3.24m
GOPALPUR	06:07z	05Sep2018	3.95m
PARADIP	06:10z	05Sep2018	2.44m
TUTICORIN	06:10z	05Sep2018	3.16m
KOODANKULAM	06:17z	05Sep2018	3.73m
JAMBOO	06:19z	05Sep2018	2.10m
DHAMRA	06:35z	05Sep2018	1.89m
TRIVANDRUM	06:38z	05Sep2018	3.31m
ALLEPPEY ALAPPUZHA	06:42z	05Sep2018	2.51m
MINICOY	06:42z	05Sep2018	1.41m
KANYAKUMARI	06:43z	05Sep2018	4.07m
HEMNAGAR	06:44z	05Sep2018	1.64m
CHANDIPUR	06:52z	05Sep2018	2.03m
DIGHA	06:54z	05Sep2018	2.04m
NAMKHANA	06:57z	05Sep2018	1.89m
QUILON	06:58z	05Sep2018	2.58m
ANDROTH	07:21z	05Sep2018	1.29m
COCHIN	07:22z	05Sep2018	2.53m
VAKKAD	07:26z	05Sep2018	1.99m
KAVARATTI	07:27z	05Sep2018	1.34m
BEYPORE	07:39z	05Sep2018	2.26m
VADANAPPALLY	07:41z	05Sep2018	2.10m
AGATTI	07:46z	05Sep2018	1.29m
AMINI	07:55z	05Sep2018	1.28m
KANNUR	08:08z	05Sep2018	2.10m
MAHE	08:08z	05Sep2018	2.31m
KASARAGOD	08:20z	05Sep2018	2.14m
MANGALORE	08:32z	05Sep2018	1.99m
UDUPI	08:45z	05Sep2018	1.93m

VASCO	09:14z	05Sep2018	2.09m
PANAJI	09:15z	05Sep2018	1.93m
KARWAR	09:17z	05Sep2018	2.32m
MALVAN BAY	09:34z	05Sep2018	1.52m
JAIGARH	10:10z	05Sep2018	1.34m
ALIBAG PORT	10:55z	05Sep2018	1.37m
PORBANDAR	13:44z	05Sep2018	1.01m
MANGROL	14:12z	05Sep2018	1.24m
MANDVI	14:35z	05Sep2018	0.87m
HAZIRA, DIU	14:36z	05Sep2018	1.05m
DWARKA	14:45z	05Sep2018	1.35m
JAMNAGAR	14:45z	05Sep2018	1.06m
MUMBAI	15:22z	05Sep2018	0.99m
MAHUVA	15:53z	05Sep2018	0.67m
KHAMBAT	15:55z	05Sep2018	0.59m
TARAPUR	16:05z	05Sep2018	0.92m
PIPAVAV	16:17z	05Sep2018	0.85m
HAZIRA	16:38z	05Sep2018	0.55m
BORSI	16:40z	05Sep2018	0.59m
DAMAN	16:52z	05Sep2018	0.77m
BHARUCH	17:48z	05Sep2018	0.57m

INDONESIA

NAD SIMEULUE PULAU SIMEULUE	03:00z	05Sep2018	17.54m
SUMUT NIAS-SELATAN PULAU TANAHMASA	03:00z	05Sep2018	13.11m
SUMUT NIAS BAGIAN BARAT	03:00z	05Sep2018	18.40m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	03:00z	05Sep2018	17.48m
SUMUT NIAS-SELATAN PULAU NIAS	03:00z	05Sep2018	17.63m
SUMUT NIAS-SELATAN PULAU PINI	03:00z	05Sep2018	16.06m
SUMUT NIAS BAGIAN TIMUR	03:00z	05Sep2018	14.08m
SUMUT NIAS-SELATAN PULAU TANABALA	03:03z	05Sep2018	9.96m
NAD KOTA-SABANG PULAU RONDO	03:11z	05Sep2018	7.55m
NAD KOTA-SABANG PULAU WEH	03:13z	05Sep2018	18.07m
NAD ACEH-SELATAN BAGIAN UTARA	03:14z	05Sep2018	19.40m
NAD ACEH-BESAR PULAU PENAS	03:17z	05Sep2018	33.35m
NAD ACEH-JAYA	03:18z	05Sep2018	30.14m
NAD ACEH-BESAR BAGIAN BARAT	03:18z	05Sep2018	45.23m
NAD NAGAN-RAYA	03:18z	05Sep2018	17.42m
NAD ACEH-BESAR PULAU BREUEH	03:19z	05Sep2018	17.44m
SUMBAR KEPULAUAN-MENTAWAI P. SIBERUT	03:20z	05Sep2018	2.71m
NAD KOTA-BANDA-ACEH	03:22z	05Sep2018	25.31m
NAD ACEH-BARAT	03:24z	05Sep2018	26.66m
NAD ACEH-BESAR BAGIAN UTARA	03:25z	05Sep2018	13.00m
NAD ACEH-BARAT-DAYA	03:27z	05Sep2018	28.68m
NAD PIDIE	03:32z	05Sep2018	15.65m
SUMUT TAPANULI-TENGAH KEP. MURSALA	03:34z	05Sep2018	12.39m
NAD ACEH-SELATAN BAGIAN SELATAN	03:34z	05Sep2018	39.20m
NAD ACEH-SINGKIL	03:35z	05Sep2018	24.13m
SUMUT TAPANULI-TENGAH BAGIAN UTARA	03:35z	05Sep2018	17.96m
SUMBAR KEPULAUAN-MENTAWAI PULAU SIPORA	03:37z	05Sep2018	2.59m
SUMUT TAPANULI-TENGAH BAGIAN SELATAN	03:47z	05Sep2018	17.82m
NAD BIREUEN	03:48z	05Sep2018	7.16m
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	03:48z	05Sep2018	1.88m
SUMUT TAPANULI-SELATAN	03:48z	05Sep2018	16.67m
SUMUT MANDAILING-NATAL BAGIAN UTARA	03:51z	05Sep2018	19.71m
NAD ACEH-UTARA BAGIAN BARAT	03:53z	05Sep2018	9.18m
NAD KOTA-LHOKSEUMAWA	03:58z	05Sep2018	9.13m
SUMBAR KOTA-PADANG BAGIAN SELATAN	04:00z	05Sep2018	8.69m
SUMBAR PASAMAN-BARAT	04:02z	05Sep2018	14.77m
SUMBAR PADANG-PARIAMAN BAGIAN SELATAN	04:07z	05Sep2018	4.23m
SUMBAR AGAM	04:07z	05Sep2018	9.84m
SUMBAR KOTA-PADANG BAGIAN UTARA	04:07z	05Sep2018	5.88m
SUMBAR KOTA-PARIAMAN	04:09z	05Sep2018	5.12m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	04:09z	05Sep2018	20.40m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	04:12z	05Sep2018	5.19m
NAD ACEH-UTARA BAGIAN TIMUR	04:15z	05Sep2018	12.26m

BENGKULU BENGKULU-UTARA PULAU ENGGANO	04:16z 05Sep2018	2.25m
SUMUT KOTA-SIBOLGA	04:20z 05Sep2018	20.76m
SUMBAR PESISIR-SELATAN BAGIAN UTARA	04:31z 05Sep2018	3.69m
SUMBAR PESISIR-SELATAN BAGIAN SELATAN	04:36z 05Sep2018	3.75m
BENGKULU KAUR	04:37z 05Sep2018	2.16m
BENGKULU MUKOMUKO	04:39z 05Sep2018	4.49m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	04:40z 05Sep2018	2.20m
BENGKULU SELUMA	04:40z 05Sep2018	5.19m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	04:41z 05Sep2018	4.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	04:41z 05Sep2018	2.17m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	04:42z 05Sep2018	2.28m
BENGKULU BENGKULU-SELATAN	04:46z 05Sep2018	4.83m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	04:48z 05Sep2018	8.00m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	04:50z 05Sep2018	5.85m
BANTEN PANDEGLANG PULAU PANAITAN	04:51z 05Sep2018	1.54m
BANTEN LEBAK	05:04z 05Sep2018	1.74m
LAMPUNG TANGGAMUS BAGIAN TIMUR	05:06z 05Sep2018	2.32m
LAMPUNG LAMPUNG-SELATAN KEP. LEGUNDI	05:07z 05Sep2018	2.26m
JABAR SUKABUMI PELABUHAN-RATU	05:08z 05Sep2018	2.30m
LAMPUNG TANGGAMUS BAGIAN BARAT	05:11z 05Sep2018	4.60m
LAMPUNG TANGGAMUS PULAU TABUAN	05:12z 05Sep2018	2.71m
LAMPUNG LAMPUNG-SELATAN KEP. KRAKATAU	05:13z 05Sep2018	2.36m
JABAR SUKABUMI UJUNG-GENTENG	05:15z 05Sep2018	1.39m
LAMPUNG LAMPUNG-SELATAN KEP. SEBUKU	05:20z 05Sep2018	3.00m
JABAR CIANJUR SINDANGBARANG	05:26z 05Sep2018	1.18m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	05:52z 05Sep2018	1.25m
NAD ACEH-TIMUR	05:56z 05Sep2018	6.36m
NAD KOTA-LANGSA	05:59z 05Sep2018	6.98m
NAD ACEH-TAMIAN	06:00z 05Sep2018	6.63m
DIY BANTUL	06:00z 05Sep2018	1.84m
JATENG WONOGIRI	06:03z 05Sep2018	1.16m
DIY GUNUNG-KIDUL	06:03z 05Sep2018	1.48m
JABAR CIAMIS	06:04z 05Sep2018	1.58m
DIY KULON-PROGO	06:04z 05Sep2018	1.64m
BANTEN SERANG BAGIAN BARAT	06:05z 05Sep2018	1.78m
JATENG PURWOREJO	06:08z 05Sep2018	2.29m
JATENG KEBUMEN	06:09z 05Sep2018	2.38m
JATENG CILACAP	06:15z 05Sep2018	2.25m
LAMPUNG LAMPUNG-SELATAN KALIANDA	06:16z 05Sep2018	2.60m
JATIM TULUNGAGUNG	06:17z 05Sep2018	1.06m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI PANJANG	06:23z 05Sep2018	3.97m
JATIM BLITAR	06:24z 05Sep2018	1.43m
BANTEN KOTA-CILEGON	06:32z 05Sep2018	2.18m
JATIM JEMBER PULAU NUSABARUNG	06:38z 05Sep2018	1.57m
JABAR TASIKMALAYA	06:38z 05Sep2018	1.83m
SUMUT LANGKAT	06:59z 05Sep2018	5.27m
SUMUT KOTA-MEDAN	07:24z 05Sep2018	6.16m
SUMUT DELISERDANG	07:26z 05Sep2018	4.60m
BALI JEMBRANA	07:37z 05Sep2018	2.14m
SUMUT SERDANG-BEDAGAI	07:54z 05Sep2018	4.77m
SUMUT ASAHAN	08:24z 05Sep2018	3.34m
BANTEN KOTA-CILEGON PULAU SANGIA	08:56z 05Sep2018	1.25m
SUMUT LABUHANBATU	09:56z 05Sep2018	1.92m
JATIM PACITAN	10:00z 05Sep2018	1.62m
LAMPUNG LAMPUNG-SELATAN BAGIAN BARAT	10:01z 05Sep2018	2.34m
BANTEN PANDEGLANG BAGIAN SELATAN	11:08z 05Sep2018	1.96m
NTB SUMBAWA BAGIAN SELATAN	11:30z 05Sep2018	0.87m
NTB DOMPU BAGIAN SELATAN	11:42z 05Sep2018	1.97m
NTT KEPULAUAN MANGGARAI-BARAT	11:57z 05Sep2018	1.38m
BANTEN PANDEGLANG BAGIAN UTARA	12:04z 05Sep2018	1.60m
NTT NGADA BAGIAN SELATAN	12:27z 05Sep2018	0.74m
JATIM JEMBER	12:32z 05Sep2018	1.60m
RIAU ROKAN-HILIR	12:37z 05Sep2018	1.90m
NTT FLORES-TIMUR PULAU ADONARA	12:46z 05Sep2018	0.57m
BALI DENPASAR PANTAI-SANUR	12:50z 05Sep2018	1.41m
BALI TABANAN	12:53z 05Sep2018	1.43m
JATIM TRENGGALEK	13:09z 05Sep2018	1.59m
RIAU BENGKALIS	13:12z 05Sep2018	1.28m

JABAR GARUT	13:14z	05Sep2018	1.21m
NTT MANGGARAI-BARAT BAGIAN SELATAN	13:26z	05Sep2018	1.20m
NTT MANGGARAI BAGIAN SELATAN	13:33z	05Sep2018	0.69m
JATIM MALANG	13:39z	05Sep2018	1.12m
NTB LOMBOK-TIMUR BAGIAN SELATAN	13:42z	05Sep2018	1.22m
BALI BADUNG PANTAI-KUTA	13:43z	05Sep2018	1.49m
NTB SUMBAWA BAGIAN BARAT	13:47z	05Sep2018	0.88m
JATIM LUMAJANG	13:48z	05Sep2018	1.35m
NTB LOMBOK-TENGAH	13:51z	05Sep2018	1.22m
JATIM BANYUWANGI BAGIAN SELATAN	13:58z	05Sep2018	1.21m
BALI KARANG-ASEM BAGIAN SELATAN	13:59z	05Sep2018	0.93m
NTB KOTA-MATARAM	14:02z	05Sep2018	1.00m
NTB LOMBOK-TIMUR BAGIAN TIMUR	14:09z	05Sep2018	1.28m
NTB LOMBOK-BARAT BAGIAN SELATAN	14:10z	05Sep2018	0.90m
JATIM BANYUWANGI BAGIAN TIMUR	14:19z	05Sep2018	1.00m
BALI KLUNGKUNG	14:40z	05Sep2018	0.99m
BALI GIANJAR	15:26z	05Sep2018	1.33m
NTT SUMBA BAGIAN TIMUR	15:28z	05Sep2018	0.99m
NTT LEMBATA BAGIAN SELATAN	15:37z	05Sep2018	0.64m
NTT SUMBA BAGIAN BARAT	15:41z	05Sep2018	1.17m
NTB BIMA PULAU GILI	15:57z	05Sep2018	0.77m
NTT FLORES-TIMUR PULAU SOLOR	16:08z	05Sep2018	0.57m
NTT ALOR BAGIAN SELATAN	16:08z	05Sep2018	0.60m
BALI KLUNGKUNG PULAU NUSAPENIDA	16:21z	05Sep2018	0.98m
NTT KUPANG	16:27z	05Sep2018	0.58m
NTT ENDE BAGIAN SELATAN	16:35z	05Sep2018	0.83m
NTT SIKKA BAGIAN SELATAN	16:36z	05Sep2018	0.55m
NTB KOTA-BIMA BAGIAN SELATAN	17:21z	05Sep2018	1.00m

IRAN

PUSHT	10:53z	05Sep2018	1.11m
BIR	11:05z	05Sep2018	0.81m
MISKI	12:55z	05Sep2018	0.71m

KENYA

KIWAYU	11:32z	05Sep2018	2.63m
KIPINI	11:47z	05Sep2018	1.94m
TAKAUNGU	11:50z	05Sep2018	1.79m
MALINDI	11:54z	05Sep2018	2.19m
MVULENI	11:57z	05Sep2018	1.99m
KISIMACHANDE	11:59z	05Sep2018	1.67m

MADAGASCAR

VOHEMAR	10:41z	05Sep2018	2.13m
ANOROTSANGANA	10:42z	05Sep2018	1.84m
TOAMASINA AIRPORT	10:55z	05Sep2018	1.74m
TAMPOLO	10:55z	05Sep2018	3.85m
FARAFAGANA	11:12z	05Sep2018	4.48m
AMBAHY	11:13z	05Sep2018	3.38m
MANANTENINA	11:45z	05Sep2018	3.07m
SAMPONA	12:24z	05Sep2018	2.82m
EUROPA ISLAND	12:52z	05Sep2018	0.90m
AMBANJA	13:30z	05Sep2018	0.86m
MANJA	13:35z	05Sep2018	0.74m
GLORIOSO ISLANDS	14:59z	05Sep2018	0.96m
BALY	16:56z	05Sep2018	0.79m
ANDROKA	17:08z	05Sep2018	0.68m
TAMOTAMO	17:25z	05Sep2018	0.52m

MALAYSIA

IOC Technical Series, 138 (I) Supplement 2
page 378

SATUN	06:12z	05Sep2018	3.72m
YAN	06:13z	05Sep2018	3.57m
WEST OF ALOR SETAR	06:40z	05Sep2018	3.49m
SEBERANG PERAI UTARA AND BARAT DAYA	06:44z	05Sep2018	4.99m
SEBERANG PERAI SELATAN	06:45z	05Sep2018	4.21m
KUALA MUDA	06:49z	05Sep2018	2.81m
KERIAN	07:06z	05Sep2018	4.34m
LARUT AND MATANG	07:15z	05Sep2018	3.95m
MANJUNG	07:23z	05Sep2018	3.57m
HILIR PERAK	08:01z	05Sep2018	2.44m
SABAK BERNAM	08:48z	05Sep2018	2.43m
KUALA SELANGOR	10:38z	05Sep2018	1.56m
KUALA LANGAT	11:27z	05Sep2018	1.08m
SEPANG	13:20z	05Sep2018	0.96m
PORT DICKSON	14:07z	05Sep2018	0.77m
ALOR GAJAH	16:21z	05Sep2018	0.54m
JASIN	17:06z	05Sep2018	0.54m

MALDIVES

KULHUDUFFUSHI	06:15z	05Sep2018	4.38m
MALE	06:16z	05Sep2018	3.55m
KOLHUFUSHI	06:16z	05Sep2018	3.60m
THINADHOO	06:17z	05Sep2018	4.61m
DHIYAMIGILI	06:20z	05Sep2018	4.84m
HITHADHOO	06:21z	05Sep2018	5.24m
GOIDHOO	06:28z	05Sep2018	2.79m
NILANDHOO	06:40z	05Sep2018	3.40m
FERIDHOO	06:54z	05Sep2018	2.43m

MAURITIUS

LA FERME	08:49z	05Sep2018	3.96m
CARGADOS CARAJOS	09:22z	05Sep2018	5.32m
AGALEGA ISLAND	09:33z	05Sep2018	1.70m
GRANDE REVIERE SUD EST-EAST	09:37z	05Sep2018	3.00m
GRANDE REVIERE SUD EST-WEST	09:49z	05Sep2018	2.04m

MOZAMBIQUE

MAGANJA	12:08z	05Sep2018	1.64m
QUITERAJO	12:08z	05Sep2018	1.18m
TAVARI	12:10z	05Sep2018	0.91m
PEMBA	12:11z	05Sep2018	1.17m
MERONVI	12:14z	05Sep2018	1.32m
MECUFI	12:16z	05Sep2018	1.32m
MURREBUE	12:17z	05Sep2018	0.70m
NANGATA	12:17z	05Sep2018	1.93m
LURIO	12:18z	05Sep2018	1.28m
LUMBO	12:19z	05Sep2018	0.94m
MINHAUINE	12:22z	05Sep2018	4.12m
MOGINCUAL	12:30z	05Sep2018	0.86m
INHARRIME	13:21z	05Sep2018	1.02m
POMENE	13:35z	05Sep2018	1.12m
VILANKULO	13:39z	05Sep2018	0.94m
MAGUEMBA	13:44z	05Sep2018	1.03m
ZAVALA	13:54z	05Sep2018	1.61m
INHASSORO	13:56z	05Sep2018	0.60m
MAPUTO	14:00z	05Sep2018	1.49m
NAMORRE	14:01z	05Sep2018	0.85m
XAI-XAI	14:02z	05Sep2018	1.36m
OCONE	14:04z	05Sep2018	0.77m
AMADE	14:10z	05Sep2018	0.61m
MALUANA	14:10z	05Sep2018	1.05m
VILA DO CHINDE	14:34z	05Sep2018	0.95m

NHANGAU	14:41z	05Sep2018	0.54m
MAIONGUE	14:54z	05Sep2018	1.20m
NOVA LUSITANIA	16:12z	05Sep2018	0.54m
MOEBASE	17:16z	05Sep2018	0.56m

MYANMAR

LORD LOUGHBOROUGH ISLAND	04:45z	05Sep2018	3.73m
THAN KYUN	04:55z	05Sep2018	5.18m
LITTLE COCO ISLAND	05:01z	05Sep2018	1.92m
PREPARIS ISLAND	05:13z	05Sep2018	2.65m
PHARPON	06:07z	05Sep2018	1.52m
KYAUKPYU	06:08z	05Sep2018	2.56m
THAWINCHAUNG	06:12z	05Sep2018	1.68m
SITTWE	06:17z	05Sep2018	2.11m
MAGYIGYAING	06:26z	05Sep2018	3.39m
MAWYEN	06:27z	05Sep2018	2.40m
GREAT WESTERN TORRES ISLAND	06:35z	05Sep2018	2.57m
YE	06:36z	05Sep2018	1.63m
YANGON-S	06:36z	05Sep2018	1.17m
CHEDUBA ISLAND	06:38z	05Sep2018	2.32m
MALI KYUN	06:59z	05Sep2018	1.98m
KYWEGYAUNG	07:42z	05Sep2018	2.16m

OMAN

MASIRAH	10:07z	05Sep2018	0.95m
HASIK	10:10z	05Sep2018	1.55m
MIRBAT	10:17z	05Sep2018	2.10m
TAQAH	10:21z	05Sep2018	2.25m
AL JAZER	10:22z	05Sep2018	1.64m
RAS AR RUWAYS	10:25z	05Sep2018	1.51m
AD DUQM	10:28z	05Sep2018	1.58m
SALALAH	10:31z	05Sep2018	2.24m
SOHAR	11:33z	05Sep2018	0.72m
AL ASHKHARAH	11:42z	05Sep2018	1.44m
AL KHABURAH	11:49z	05Sep2018	0.57m
EAST MUSANDAM	12:03z	05Sep2018	0.94m
SUR	12:35z	05Sep2018	0.87m
MUSCAT	15:41z	05Sep2018	0.56m
QURAYYAT	16:08z	05Sep2018	0.82m
BARKA	16:11z	05Sep2018	0.52m

PAKISTAN

ORMARA	14:08z	05Sep2018	1.14m
WINDER	15:00z	05Sep2018	1.00m
SINDH	15:01z	05Sep2018	1.09m
KARACHI	15:07z	05Sep2018	1.49m

SEYCHELLES

COETIVY ISLAND	09:27z	05Sep2018	3.30m
ILE DESROCHES	09:51z	05Sep2018	2.03m
FREGATE ISLAND	09:56z	05Sep2018	4.14m
ALPHONSE ISLAND	10:02z	05Sep2018	1.26m
FARQUHAR GROUP	10:17z	05Sep2018	1.66m
TAKAMAKA	10:24z	05Sep2018	4.52m
ASTOVE ISLAND	10:50z	05Sep2018	0.87m
ALDABRA	11:00z	05Sep2018	1.76m

SOMALIA

IOC Technical Series, 138 (I) Supplement 2
page 380

BANDER-BEYLA	10:18z	05Sep2018	3.54m
EYL	10:19z	05Sep2018	4.02m
JARIIBAN	10:25z	05Sep2018	4.01m
GALDOGOB	10:32z	05Sep2018	3.66m
CEEL DHEER	10:32z	05Sep2018	3.09m
MAREEG	10:34z	05Sep2018	2.42m
ITALA	10:34z	05Sep2018	2.39m
TOOXIN	10:39z	05Sep2018	3.15m
XARARDHEERE	10:39z	05Sep2018	3.46m
UARSCIECH	10:43z	05Sep2018	2.67m
MUQDISHO	10:44z	05Sep2018	2.81m
BEYNAX BARRE	10:57z	05Sep2018	2.26m
BARAAWE	10:58z	05Sep2018	2.13m
ABO	11:00z	05Sep2018	3.08m
JILIB	11:05z	05Sep2018	2.19m
TURDHO	11:07z	05Sep2018	2.24m
NE BEERNAASI	11:15z	05Sep2018	2.33m
KAAMBOONI	11:19z	05Sep2018	2.17m
BAKI	12:43z	05Sep2018	0.58m
SAYLAC	12:50z	05Sep2018	0.92m
LOYADO	12:56z	05Sep2018	1.00m
QANDALA	14:35z	05Sep2018	1.15m
HADAAFTIMO	14:37z	05Sep2018	0.68m
KABURA	17:05z	05Sep2018	0.83m
MAYDH	17:13z	05Sep2018	0.55m

SOUTH AFRICA

GWABALANDA HITAWI	13:41z	05Sep2018	1.43m
LAKE SIBAYI	13:43z	05Sep2018	1.39m
PORT DURNFORD	13:43z	05Sep2018	1.18m
KOSIMEER	13:45z	05Sep2018	1.33m
FUNK SEAMOUNT	13:51z	05Sep2018	2.04m
MARGATE	13:57z	05Sep2018	1.54m
BIZANA	13:57z	05Sep2018	1.73m
MANDI	13:58z	05Sep2018	1.27m
KELSO	13:59z	05Sep2018	1.63m
LUSIKISIKI	13:59z	05Sep2018	1.68m
ABORETUM	13:59z	05Sep2018	2.16m
PORT ST JOHNS	14:05z	05Sep2018	1.82m
NGQUELENI	14:09z	05Sep2018	1.97m
ELLIOTDALE	14:12z	05Sep2018	1.83m
WILLOWVALE	14:16z	05Sep2018	2.35m
KENTANI	14:19z	05Sep2018	1.85m
MARSHSTRAND	14:26z	05Sep2018	4.02m
KAYSERS BEACH	14:27z	05Sep2018	3.58m
ZIKHOVA	14:29z	05Sep2018	2.05m
PEDDIE	14:34z	05Sep2018	2.26m
BATHURST	14:45z	05Sep2018	3.16m
ALEXANDRIA	14:47z	05Sep2018	1.93m
PORT ELIZABETH	15:01z	05Sep2018	1.79m
GAMTOOS	15:07z	05Sep2018	1.62m
HANKEY	15:40z	05Sep2018	1.37m
HUMANSDORP	15:52z	05Sep2018	1.35m
GEORGE	15:59z	05Sep2018	1.50m
MOSSEL	16:11z	05Sep2018	1.61m
HEIDELBERG	16:29z	05Sep2018	1.05m
WITAAND	16:33z	05Sep2018	1.53m
BREDASDORP	16:41z	05Sep2018	1.07m

SRI LANKA

AKKARAIPATTU	04:52z	05Sep2018	4.79m
KIRINDA	04:53z	05Sep2018	6.03m
BATTICALOA	04:54z	05Sep2018	5.97m
OKANDA	04:58z	05Sep2018	9.12m

POTTUVIL	05:00z	05Sep2018	10.06m
KATTANKUDI	05:00z	05Sep2018	4.44m
ANAITIVU	05:01z	05Sep2018	1.56m
PANKULAM	05:01z	05Sep2018	3.60m
TANGALLE	05:04z	05Sep2018	4.25m
MATARA	05:06z	05Sep2018	4.68m
MULLAITTIVU	05:08z	05Sep2018	5.27m
HAMBANTOTA	05:09z	05Sep2018	8.14m
GALLE	05:17z	05Sep2018	6.63m
CHUNDIKKULAM	05:24z	05Sep2018	4.27m
AMBALANGODA	05:26z	05Sep2018	4.09m
BERUWALA	05:29z	05Sep2018	3.71m
COLOMBO	05:29z	05Sep2018	2.74m
CHAVAKACHCHERI	05:32z	05Sep2018	5.05m
MORATUWA	05:33z	05Sep2018	4.59m
POINT PEDRO	05:37z	05Sep2018	3.92m
NEGOMBO	05:45z	05Sep2018	2.72m
MUNDAL LAKE	05:47z	05Sep2018	2.58m
MANNAR ISLAND	05:55z	05Sep2018	2.24m
MUSALI	06:07z	05Sep2018	2.07m

TANZANIA

VUMBA	11:43z	05Sep2018	1.27m
VUMBI	11:44z	05Sep2018	1.76m
ZANZIBAR	11:49z	05Sep2018	1.19m
JIMBO	11:51z	05Sep2018	1.33m
GAZIJA	11:53z	05Sep2018	1.81m
KUTANI	11:55z	05Sep2018	1.56m
SONGO SONGO ISLAND	11:58z	05Sep2018	1.32m
MADANGWA	12:00z	05Sep2018	2.25m
RUUVU	12:02z	05Sep2018	1.79m
MSASANI	12:02z	05Sep2018	2.00m
BOMALANDNI	12:06z	05Sep2018	0.98m
WEST TO KONDE	12:10z	05Sep2018	1.14m
BAGAMOYO	12:43z	05Sep2018	1.31m

THAILAND

KO RACHA NOI	04:25z	05Sep2018	9.04m
KOH SURIN TAI	04:47z	05Sep2018	6.22m
THAI MUEANG	04:55z	05Sep2018	7.03m
THAI MUEANG_TAKUA PA	05:06z	05Sep2018	8.50m
KOH ROK	05:06z	05Sep2018	4.22m
KOH LANTA YAI	05:07z	05Sep2018	4.92m
MUEANG SATUN	05:53z	05Sep2018	5.39m
KOH TARUTAO	06:20z	05Sep2018	7.29m

UNITED ARAB EMIRATES

KALBA	11:46z	05Sep2018	0.65m
-------	--------	-----------	-------

UNITED KINGDOM

DIEGO GARCIA	06:48z	05Sep2018	9.40m
MORESBY ISLAND	06:55z	05Sep2018	5.94m
NW EGMONT ISLAND	07:05z	05Sep2018	5.36m

YEMEN

SOCOTRA ISLAND SOUTH	10:02z	05Sep2018	3.91m
DAMQAWT	10:33z	05Sep2018	2.96m
SOCOTRA ISLAND WEST	10:43z	05Sep2018	1.62m

AL GHAYDAH AIRPORT	10:45z 05Sep2018	2.67m
HUSWAYN	10:50z 05Sep2018	3.64m
ALQUMRAH	10:56z 05Sep2018	2.95m
MASILAH WADI	11:00z 05Sep2018	2.05m
EAST TO HAMI	11:09z 05Sep2018	1.26m
SOCOTRA ISLAND NORTH	11:09z 05Sep2018	2.33m
HARRAH	11:10z 05Sep2018	1.51m
HAMI	11:28z 05Sep2018	1.48m
AL MUKALLA	11:30z 05Sep2018	2.06m
AHWAR	11:58z 05Sep2018	0.70m
KHANFAR	12:26z 05Sep2018	0.92m
ADEN	12:28z 05Sep2018	1.52m
MAALLAH	12:31z 05Sep2018	1.09m
QAWAH	13:04z 05Sep2018	0.85m
AL MUALLA	13:06z 05Sep2018	1.02m
RUDUM	14:00z 05Sep2018	0.89m
BROM MAYFA	14:25z 05Sep2018	0.82m

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 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-20180905-1000-010

TSUNAMI BULLETIN NUMBER 10 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 1000 UTC, Wednesday, 05 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 : 9.3 Mw
Depth : 10km
Date : 05 Sep 2018
Origin Time: 03:00:00 UTC
Latitude : 3.30N
Longitude : 96.00E
Location : Northern Sumatra, Indonesia

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
Sabang	INDONESIA	5.83N	95.33E	8.00	3:25	Sep 05, 2018
Meulaboh	INDONESIA	4.12N	96.13E	8.00	3:40	Sep 05, 2018
Telukdalam	INDONESIA	5.83N	95.33E	6.00	3:45	Sep 05, 2018
Tanah Bala	INDONESIA	0.53S	98.50E	3.50	4:10	Sep 05, 2018
Sibolga	INDONESIA	1.73N	98.80E	4.00	4:40	Sep 05, 2018
Cocos_Island	AUSTRALIA	12.11S	96.89E	2.11	4:45	Sep 05, 2018
Ko_Taphao_Noi	THAILAND	7.81N	98.41E	2.48	4:48	Sep 05, 2018
Port_Blair	INDIA	11.68N	92.76E	1.10	4:59	Sep 05, 2018
Christmas_Island_AU	AUSTRALIA	10.42S	105.66E	0.75	5:01	Sep 05, 2018
Nancowry	INDIA	8.05N	93.55E	5.35	5:17	Sep 05, 2018
Padang	INDONESIA	0.95S	100.36E	2.00	5:35	Sep 05, 2018
Trincomalee	SRI LANKA	8.56N	81.19E	1.36	5:37	Sep 05, 2018
Langkawi	MALAYSIA	6.41N	99.76E	2.58	6:07	Sep 05, 2018
Pangandaran	INDONESIA	7.74S	108.50E	0.60	6:35	Sep 05, 2018
Cilacap	INDONESIA	7.75S	109.00E	0.50	6:38	Sep 05, 2018
Sadeng	INDONESIA	8.19S	110.79E	0.50	6:40	Sep 05, 2018
Haing Gyi Kyun	MYANMAR	16.00N	94.31E	1.50	6:45	Sep 05, 2018
Gan	MALDIVES	0.68S	73.15E	2.00	6:45	Sep 05, 2018
Male	MALDIVES	4.19N	73.52E	1.45	6:54	Sep 05, 2018
Diego_Garcia	UK	7.23S	72.43E	1.53	6:56	Sep 05, 2018
Minicoy	INDIA	8.28N	73.05E	0.32	7:11	Sep 05, 2018
Penang	MALAYSIA	5.45N	100.18E	3.00	7:15	Sep 05, 2018
Muncar	INDONESIA	8.44S	114.35E	0.30	7:40	Sep 05, 2018
Cape_Cuvier_Wharf	AUSTRALIA	24.22S	113.39E	3.00	8:05	Sep 05, 2018
Waikelo	INDONESIA	9.38S	119.21E	0.20	8:10	Sep 05, 2018
Rodrigues	MAURITIUS	19.68S	63.42E	1.60	9:10	Sep 05, 2018
Pt_Louis	MAURITIUS	20.15S	57.50E	3.35	9:55	Sep 05, 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

COCOS ISLAND	04:43z	05Sep2018	1.67m
CHRISTMAS ISLAND	05:08z	05Sep2018	1.29m
NINGALOO COAST	07:19z	05Sep2018	1.51m
PILBARA COAST WEST	08:10z	05Sep2018	1.82m
GASCOYNE COAST	08:32z	05Sep2018	2.62m
LANCELIN COAST	08:43z	05Sep2018	1.17m
PERTH COAST	09:02z	05Sep2018	1.55m
BUNBURY GEOGRAPHE COAST	09:17z	05Sep2018	2.53m
GERALDTON COAST	09:52z	05Sep2018	1.43m
HEARD ISLAND AND MCDONALD ISLANDS	12:43z	05Sep2018	2.71m
AURORA BANK	12:48z	05Sep2018	1.56m
LEEUEWIN COAST	13:24z	05Sep2018	1.24m
ALBANY COAST	14:36z	05Sep2018	0.70m
PILBARA COAST EAST	14:52z	05Sep2018	1.26m
WEST KIMBERLY COAST	16:17z	05Sep2018	0.55m

BANGLADESH

COXS BAZAR	06:44z	05Sep2018	1.68m
KUTUBDIA ISLAND	06:51z	05Sep2018	1.72m
CHALNA	07:17z	05Sep2018	1.35m
BARGUNA	07:23z	05Sep2018	1.55m

COMOROS

BAMBAO	11:26z	05Sep2018	1.11m
CHEZANI	11:33z	05Sep2018	1.53m
FOMBONI	11:39z	05Sep2018	1.33m
DZAOUDZI	16:34z	05Sep2018	0.99m

DJIBOUTI

NW ARTA	12:58z	05Sep2018	1.72m
MUHAMMAD ALI BIN FATHA SUMANA	13:08z	05Sep2018	0.95m

FRANCE

ILE SAINT-PAUL-NORTH	09:33z	05Sep2018	1.74m
ILE SAINT-PAUL-SOUTH	09:43z	05Sep2018	1.77m
SAINT - JOSEPH	10:02z	05Sep2018	1.23m
SAINT-DENIS	10:07z	05Sep2018	1.09m
NES CROZET	12:07z	05Sep2018	2.32m
ILE DE LA POSSESSION	12:08z	05Sep2018	2.42m

CROZET PLATEAU	12:30z	05Sep2018	2.87m
ILE KERGUELEN	12:32z	05Sep2018	4.22m

INDIA

INDIRA POINT	03:00z	05Sep2018	8.78m
KOMATRA AND KATCHAL ISLAND	03:23z	05Sep2018	7.79m
CAR NICOBAR	03:37z	05Sep2018	5.67m
LITTLE ANDAMAN	04:08z	05Sep2018	5.52m
NORTH SENTINEL ISLAND	04:13z	05Sep2018	3.87m
PORT BLAIR	04:25z	05Sep2018	3.75m
BARREN ISLAND	04:25z	05Sep2018	1.77m
HAVELOCK	04:39z	05Sep2018	3.82m
WEST AND LANDFALL ISLAND	04:39z	05Sep2018	2.35m
RANGATH BAY	04:39z	05Sep2018	3.45m
NARCONDAM ISLAND	04:47z	05Sep2018	2.29m
FLAT ISLAND	04:47z	05Sep2018	5.24m
DIGLIPUR	04:50z	05Sep2018	1.99m
MARAKKANAM	05:27z	05Sep2018	2.70m
PUDUCHERRY	05:30z	05Sep2018	4.02m
CUDDALORE	05:31z	05Sep2018	3.48m
POOMBUHAR	05:33z	05Sep2018	3.55m
NAGAPATTINAM	05:35z	05Sep2018	3.50m
ENNORE	05:35z	05Sep2018	4.08m
MAHABALIPURAM	05:37z	05Sep2018	5.75m
KARAIKAL	05:37z	05Sep2018	3.77m
MALLIPATTINAM	05:38z	05Sep2018	3.88m
MUTHUPET	05:38z	05Sep2018	4.73m
CHENNAI	05:40z	05Sep2018	4.67m
MACHILIPATNAM	05:40z	05Sep2018	3.47m
SRIHARIKOTA	05:42z	05Sep2018	3.76m
NIJAMPATTANAM	05:42z	05Sep2018	3.50m
KAKINADA	05:43z	05Sep2018	3.72m
PERUPALEM	05:44z	05Sep2018	4.11m
KOTTAPATNAM	05:52z	05Sep2018	4.67m
KONADA	05:54z	05Sep2018	2.90m
VISAKHAPATNAM	05:54z	05Sep2018	3.68m
PURI	05:58z	05Sep2018	2.27m
KALINGAPATNAM	05:59z	05Sep2018	3.28m
RAMESWARAM	06:06z	05Sep2018	2.44m
KOTTAIPPATTANAM	06:06z	05Sep2018	3.24m
GOPALPUR	06:07z	05Sep2018	3.95m
PARADIP	06:10z	05Sep2018	2.44m
TUTICORIN	06:10z	05Sep2018	3.16m
KOODANKULAM	06:17z	05Sep2018	3.73m
JAMBOO	06:19z	05Sep2018	2.10m
DHAMRA	06:35z	05Sep2018	1.89m
TRIVANDRUM	06:38z	05Sep2018	3.31m
ALLEPPEY ALAPPUZHA	06:42z	05Sep2018	2.51m
MINICOY	06:42z	05Sep2018	1.41m
KANYAKUMARI	06:43z	05Sep2018	4.07m
HEMNAGAR	06:44z	05Sep2018	1.64m
CHANDIPUR	06:52z	05Sep2018	2.03m
DIGHA	06:54z	05Sep2018	2.04m
NAMKHANA	06:57z	05Sep2018	1.89m
QUILON	06:58z	05Sep2018	2.58m
ANDROTH	07:21z	05Sep2018	1.29m
COCHIN	07:22z	05Sep2018	2.53m
VAKKAD	07:26z	05Sep2018	1.99m
KAVARATTI	07:27z	05Sep2018	1.34m
BEYPORE	07:39z	05Sep2018	2.26m
VADANAPPALLY	07:41z	05Sep2018	2.10m
AGATTI	07:46z	05Sep2018	1.29m
AMINI	07:55z	05Sep2018	1.28m
KANNUR	08:08z	05Sep2018	2.10m
MAHE	08:08z	05Sep2018	2.31m
KASARAGOD	08:20z	05Sep2018	2.14m

MANGALORE	08:32z	05Sep2018	1.99m
UDUPI	08:45z	05Sep2018	1.93m
VASCO	09:14z	05Sep2018	2.09m
PANAJI	09:15z	05Sep2018	1.93m
KARWAR	09:17z	05Sep2018	2.32m
MALVAN BAY	09:34z	05Sep2018	1.52m
JAIGARH	10:10z	05Sep2018	1.34m
ALIBAG PORT	10:55z	05Sep2018	1.37m
PORBANDAR	13:44z	05Sep2018	1.01m
MANGROL	14:12z	05Sep2018	1.24m
MANDVI	14:35z	05Sep2018	0.87m
HAZIRA, DIU	14:36z	05Sep2018	1.05m
DWARKA	14:45z	05Sep2018	1.35m
JAMNAGAR	14:45z	05Sep2018	1.06m
MUMBAI	15:22z	05Sep2018	0.99m
MAHUVA	15:53z	05Sep2018	0.67m
KHAMBAT	15:55z	05Sep2018	0.59m
TARAPUR	16:05z	05Sep2018	0.92m
PIPAVAV	16:17z	05Sep2018	0.85m
HAZIRA	16:38z	05Sep2018	0.55m
BORSI	16:40z	05Sep2018	0.59m
DAMAN	16:52z	05Sep2018	0.77m
BHARUCH	17:48z	05Sep2018	0.57m

INDONESIA

NAD SIMEULUE PULAU SIMEULUE	03:00z	05Sep2018	17.54m
SUMUT NIAS-SELATAN PULAU TANAHMASA	03:00z	05Sep2018	13.11m
SUMUT NIAS BAGIAN BARAT	03:00z	05Sep2018	18.40m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	03:00z	05Sep2018	17.48m
SUMUT NIAS-SELATAN PULAU NIAS	03:00z	05Sep2018	17.63m
SUMUT NIAS-SELATAN PULAU PINI	03:00z	05Sep2018	16.06m
SUMUT NIAS BAGIAN TIMUR	03:00z	05Sep2018	14.08m
SUMUT NIAS-SELATAN PULAU TANABALA	03:03z	05Sep2018	9.96m
NAD KOTA-SABANG PULAU RONDO	03:11z	05Sep2018	7.55m
NAD KOTA-SABANG PULAU WEH	03:13z	05Sep2018	18.07m
NAD ACEH-SELATAN BAGIAN UTARA	03:14z	05Sep2018	19.40m
NAD ACEH-BESAR PULAU PENAS	03:17z	05Sep2018	33.35m
NAD ACEH-JAYA	03:18z	05Sep2018	30.14m
NAD ACEH-BESAR BAGIAN BARAT	03:18z	05Sep2018	45.23m
NAD NAGAN-RAYA	03:18z	05Sep2018	17.42m
NAD ACEH-BESAR PULAU BREUEH	03:19z	05Sep2018	17.44m
SUMBAR KEPULAUAN-MENTAWAI P. SIBERUT	03:20z	05Sep2018	2.71m
NAD KOTA-BANDA-ACEH	03:22z	05Sep2018	25.31m
NAD ACEH-BARAT	03:24z	05Sep2018	26.66m
NAD ACEH-BESAR BAGIAN UTARA	03:25z	05Sep2018	13.00m
NAD ACEH-BARAT-DAYA	03:27z	05Sep2018	28.68m
NAD PIDIE	03:32z	05Sep2018	15.65m
SUMUT TAPANULI-TENGAH KEP. MURSALA	03:34z	05Sep2018	12.39m
NAD ACEH-SELATAN BAGIAN SELATAN	03:34z	05Sep2018	39.20m
NAD ACEH-SINGKIL	03:35z	05Sep2018	24.13m
SUMUT TAPANULI-TENGAH BAGIAN UTARA	03:35z	05Sep2018	17.96m
SUMBAR KEPULAUAN-MENTAWAI PULAU SIPORA	03:37z	05Sep2018	2.59m
SUMUT TAPANULI-TENGAH BAGIAN SELATAN	03:47z	05Sep2018	17.82m
NAD BIREUEN	03:48z	05Sep2018	7.16m
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	03:48z	05Sep2018	1.88m
SUMUT TAPANULI-SELATAN	03:48z	05Sep2018	16.67m
SUMUT MANDAILING-NATAL BAGIAN UTARA	03:51z	05Sep2018	19.71m
NAD ACEH-UTARA BAGIAN BARAT	03:53z	05Sep2018	9.18m
NAD KOTA-LHOKSEUMAWA	03:58z	05Sep2018	9.13m
SUMBAR KOTA-PADANG BAGIAN SELATAN	04:00z	05Sep2018	8.69m
SUMBAR PASAMAN-BARAT	04:02z	05Sep2018	14.77m
SUMBAR PADANG-PARIAMAN BAGIAN SELATAN	04:07z	05Sep2018	4.23m
SUMBAR AGAM	04:07z	05Sep2018	9.84m
SUMBAR KOTA-PADANG BAGIAN UTARA	04:07z	05Sep2018	5.88m
SUMBAR KOTA-PARIAMAN	04:09z	05Sep2018	5.12m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	04:09z	05Sep2018	20.40m

SUMBAR PADANG-PARIAMAN BAGIAN UTARA	04:12z 05Sep2018	5.19m
NAD ACEH-UTARA BAGIAN TIMUR	04:15z 05Sep2018	12.26m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	04:16z 05Sep2018	2.25m
SUMUT KOTA-SIBOLGA	04:20z 05Sep2018	20.76m
SUMBAR PESISIR-SELATAN BAGIAN UTARA	04:31z 05Sep2018	3.69m
SUMBAR PESISIR-SELATAN BAGIAN SELATAN	04:36z 05Sep2018	3.75m
BENGKULU KAUR	04:37z 05Sep2018	2.16m
BENGKULU MUKOMUKO	04:39z 05Sep2018	4.49m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	04:40z 05Sep2018	2.20m
BENGKULU SELUMA	04:40z 05Sep2018	5.19m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	04:41z 05Sep2018	4.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	04:41z 05Sep2018	2.17m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	04:42z 05Sep2018	2.28m
BENGKULU BENGKULU-SELATAN	04:46z 05Sep2018	4.83m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	04:48z 05Sep2018	8.00m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	04:50z 05Sep2018	5.85m
BANTEN PANDEGLANG PULAU PANAITAN	04:51z 05Sep2018	1.54m
BANTEN LEBAK	05:04z 05Sep2018	1.74m
LAMPUNG TANGGAMUS BAGIAN TIMUR	05:06z 05Sep2018	2.32m
LAMPUNG LAMPUNG-SELATAN KEP. LEGUNDI	05:07z 05Sep2018	2.26m
JABAR SUKABUMI PELABUHAN-RATU	05:08z 05Sep2018	2.30m
LAMPUNG TANGGAMUS BAGIAN BARAT	05:11z 05Sep2018	4.60m
LAMPUNG TANGGAMUS PULAU TABUAN	05:12z 05Sep2018	2.71m
LAMPUNG LAMPUNG-SELATAN KEP. KRAKATAU	05:13z 05Sep2018	2.36m
JABAR SUKABUMI UJUNG-GENTENG	05:15z 05Sep2018	1.39m
LAMPUNG LAMPUNG-SELATAN KEP. SEBUKU	05:20z 05Sep2018	3.00m
JABAR CIANJUR SINDANGBARANG	05:26z 05Sep2018	1.18m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	05:52z 05Sep2018	1.25m
NAD ACEH-TIMUR	05:56z 05Sep2018	6.36m
NAD KOTA-LANGSA	05:59z 05Sep2018	6.98m
NAD ACEH-TAMIAN	06:00z 05Sep2018	6.63m
DIY BANTUL	06:00z 05Sep2018	1.84m
JATENG WONOGIRI	06:03z 05Sep2018	1.16m
DIY GUNUNG-KIDUL	06:03z 05Sep2018	1.48m
JABAR CIAMIS	06:04z 05Sep2018	1.58m
DIY KULON-PROGO	06:04z 05Sep2018	1.64m
BANTEN SERANG BAGIAN BARAT	06:05z 05Sep2018	1.78m
JATENG PURWOREJO	06:08z 05Sep2018	2.29m
JATENG KEBUMEN	06:09z 05Sep2018	2.38m
JATENG CILACAP	06:15z 05Sep2018	2.25m
LAMPUNG LAMPUNG-SELATAN KALIANDA	06:16z 05Sep2018	2.60m
JATIM TULUNGAGUNG	06:17z 05Sep2018	1.06m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI PANJANG	06:23z 05Sep2018	3.97m
JATIM BLITAR	06:24z 05Sep2018	1.43m
BANTEN KOTA-CILEGON	06:32z 05Sep2018	2.18m
JATIM JEMBER PULAU NUSABARUNG	06:38z 05Sep2018	1.57m
JABAR TASIKMALAYA	06:38z 05Sep2018	1.83m
SUMUT LANGKAT	06:59z 05Sep2018	5.27m
SUMUT KOTA-MEDAN	07:24z 05Sep2018	6.16m
SUMUT DELISERDANG	07:26z 05Sep2018	4.60m
BALI JEMBRANA	07:37z 05Sep2018	2.14m
SUMUT SERDANG-BEDAGAI	07:54z 05Sep2018	4.77m
SUMUT ASAHAN	08:24z 05Sep2018	3.34m
BANTEN KOTA-CILEGON PULAU SANGIA	08:56z 05Sep2018	1.25m
SUMUT LABUHANBATU	09:56z 05Sep2018	1.92m
JATIM PACITAN	10:00z 05Sep2018	1.62m
LAMPUNG LAMPUNG-SELATAN BAGIAN BARAT	10:01z 05Sep2018	2.34m
BANTEN PANDEGLANG BAGIAN SELATAN	11:08z 05Sep2018	1.96m
NTB SUMBAWA BAGIAN SELATAN	11:30z 05Sep2018	0.87m
NTB DOMPU BAGIAN SELATAN	11:42z 05Sep2018	1.97m
NTT KEPULAUAN MANGGARAI-BARAT	11:57z 05Sep2018	1.38m
BANTEN PANDEGLANG BAGIAN UTARA	12:04z 05Sep2018	1.60m
NTT NGADA BAGIAN SELATAN	12:27z 05Sep2018	0.74m
JATIM JEMBER	12:32z 05Sep2018	1.60m
RIAU ROKAN-HILIR	12:37z 05Sep2018	1.90m
NTT FLORES-TIMUR PULAU ADONARA	12:46z 05Sep2018	0.57m
BALI DENPASAR PANTAI-SANUR	12:50z 05Sep2018	1.41m
BALI TABANAN	12:53z 05Sep2018	1.43m

JATIM TRENGGALEK	13:09z	05Sep2018	1.59m
RIAU BENGKALIS	13:12z	05Sep2018	1.28m
JABAR GARUT	13:14z	05Sep2018	1.21m
NTT MANGGARAI-BARAT BAGIAN SELATAN	13:26z	05Sep2018	1.20m
NTT MANGGARAI BAGIAN SELATAN	13:33z	05Sep2018	0.69m
JATIM MALANG	13:39z	05Sep2018	1.12m
NTB LOMBOK-TIMUR BAGIAN SELATAN	13:42z	05Sep2018	1.22m
BALI BADUNG PANTAI-KUTA	13:43z	05Sep2018	1.49m
NTB SUMBAWA BAGIAN BARAT	13:47z	05Sep2018	0.88m
JATIM LUMAJANG	13:48z	05Sep2018	1.35m
NTB LOMBOK-TENGAH	13:51z	05Sep2018	1.22m
JATIM BANYUWANGI BAGIAN SELATAN	13:58z	05Sep2018	1.21m
BALI KARANG-ASEM BAGIAN SELATAN	13:59z	05Sep2018	0.93m
NTB KOTA-MATARAM	14:02z	05Sep2018	1.00m
NTB LOMBOK-TIMUR BAGIAN TIMUR	14:09z	05Sep2018	1.28m
NTB LOMBOK-BARAT BAGIAN SELATAN	14:10z	05Sep2018	0.90m
JATIM BANYUWANGI BAGIAN TIMUR	14:19z	05Sep2018	1.00m
BALI KLUNGKUNG	14:40z	05Sep2018	0.99m
BALI GIANYAR	15:26z	05Sep2018	1.33m
NTT SUMBA BAGIAN TIMUR	15:28z	05Sep2018	0.99m
NTT LEMBATA BAGIAN SELATAN	15:37z	05Sep2018	0.64m
NTT SUMBA BAGIAN BARAT	15:41z	05Sep2018	1.17m
NTB BIMA PULAU GILI	15:57z	05Sep2018	0.77m
NTT FLORES-TIMUR PULAU SOLOR	16:08z	05Sep2018	0.57m
NTT ALOR BAGIAN SELATAN	16:08z	05Sep2018	0.60m
BALI KLUNGKUNG PULAU NUSAPENIDA	16:21z	05Sep2018	0.98m
NTT KUPANG	16:27z	05Sep2018	0.58m
NTT ENDE BAGIAN SELATAN	16:35z	05Sep2018	0.83m
NTT SIKKA BAGIAN SELATAN	16:36z	05Sep2018	0.55m
NTB KOTA-BIMA BAGIAN SELATAN	17:21z	05Sep2018	1.00m

IRAN

PUSHT	10:53z	05Sep2018	1.11m
BIR	11:05z	05Sep2018	0.81m
MISKI	12:55z	05Sep2018	0.71m

KENYA

KIWAYU	11:32z	05Sep2018	2.63m
KIPINI	11:47z	05Sep2018	1.94m
TAKAUNGU	11:50z	05Sep2018	1.79m
MALINDI	11:54z	05Sep2018	2.19m
MVULENI	11:57z	05Sep2018	1.99m
KISIMACHANDE	11:59z	05Sep2018	1.67m

MADAGASCAR

VOHEMAR	10:41z	05Sep2018	2.13m
ANOROTSANGANA	10:42z	05Sep2018	1.84m
TOAMASINA AIRPORT	10:55z	05Sep2018	1.74m
TAMPOLO	10:55z	05Sep2018	3.85m
FARAFAGANA	11:12z	05Sep2018	4.48m
AMBAHY	11:13z	05Sep2018	3.38m
MANANTENINA	11:45z	05Sep2018	3.07m
SAMPONA	12:24z	05Sep2018	2.82m
EUROPA ISLAND	12:52z	05Sep2018	0.90m
AMBANJA	13:30z	05Sep2018	0.86m
MANJA	13:35z	05Sep2018	0.74m
GLORIOSO ISLANDS	14:59z	05Sep2018	0.96m
BALY	16:56z	05Sep2018	0.79m
ANDROKA	17:08z	05Sep2018	0.68m
TAMOTAMO	17:25z	05Sep2018	0.52m

MALAYSIA

SATUN	06:12z	05Sep2018	3.72m
YAN	06:13z	05Sep2018	3.57m
WEST OF ALOR SETAR	06:40z	05Sep2018	3.49m
SEBERANG PERAI UTARA AND BARAT DAYA	06:44z	05Sep2018	4.99m
SEBERANG PERAI SELATAN	06:45z	05Sep2018	4.21m
KUALA MUDA	06:49z	05Sep2018	2.81m
KERIAN	07:06z	05Sep2018	4.34m
LARUT AND MATANG	07:15z	05Sep2018	3.95m
MANJUNG	07:23z	05Sep2018	3.57m
HILIR PERAK	08:01z	05Sep2018	2.44m
SABAK BERNAM	08:48z	05Sep2018	2.43m
KUALA SELANGOR	10:38z	05Sep2018	1.56m
KUALA LANGAT	11:27z	05Sep2018	1.08m
SEPANG	13:20z	05Sep2018	0.96m
PORT DICKSON	14:07z	05Sep2018	0.77m
ALOR GAJAH	16:21z	05Sep2018	0.54m
JASIN	17:06z	05Sep2018	0.54m

MALDIVES

KULHUDUFFUSHI	06:15z	05Sep2018	4.38m
MALE	06:16z	05Sep2018	3.55m
KOLHUFUSHI	06:16z	05Sep2018	3.60m
THINADHOO	06:17z	05Sep2018	4.61m
DHIYAMIGILI	06:20z	05Sep2018	4.84m
HITHADHOO	06:21z	05Sep2018	5.24m
GOIDHOO	06:28z	05Sep2018	2.79m
NILANDHOO	06:40z	05Sep2018	3.40m
FERIDHOO	06:54z	05Sep2018	2.43m

MAURITIUS

LA FERME	08:49z	05Sep2018	3.96m
CARGADOS CARAJOS	09:22z	05Sep2018	5.32m
AGALEGA ISLAND	09:33z	05Sep2018	1.70m
GRANDE REVIERE SUD EST-EAST	09:37z	05Sep2018	3.00m
GRANDE REVIERE SUD EST-WEST	09:49z	05Sep2018	2.04m

MOZAMBIQUE

MAGANJA	12:08z	05Sep2018	1.64m
QUITERAJO	12:08z	05Sep2018	1.18m
TAVARI	12:10z	05Sep2018	0.91m
PEMBA	12:11z	05Sep2018	1.17m
MERONVI	12:14z	05Sep2018	1.32m
MECUFI	12:16z	05Sep2018	1.32m
MURREBUE	12:17z	05Sep2018	0.70m
NANGATA	12:17z	05Sep2018	1.93m
LURIO	12:18z	05Sep2018	1.28m
LUMBO	12:19z	05Sep2018	0.94m
MINHAUINE	12:22z	05Sep2018	4.12m
MOGINCUAL	12:30z	05Sep2018	0.86m
INHARRIME	13:21z	05Sep2018	1.02m
POMENE	13:35z	05Sep2018	1.12m
VILANKULO	13:39z	05Sep2018	0.94m
MAGUEMBA	13:44z	05Sep2018	1.03m
ZAVALA	13:54z	05Sep2018	1.61m
INHASSORO	13:56z	05Sep2018	0.60m
MAPUTO	14:00z	05Sep2018	1.49m
NAMORRE	14:01z	05Sep2018	0.85m
XAI-XAI	14:02z	05Sep2018	1.36m
OCONE	14:04z	05Sep2018	0.77m
AMADE	14:10z	05Sep2018	0.61m

IOC Technical Series, 138 (I) Supplement 2
page 390

MALUANA	14:10z	05Sep2018	1.05m
VILA DO CHINDE	14:34z	05Sep2018	0.95m
NHANGAU	14:41z	05Sep2018	0.54m
MAIONGUE	14:54z	05Sep2018	1.20m
NOVA LUSITANIA	16:12z	05Sep2018	0.54m
MOEBASE	17:16z	05Sep2018	0.56m

MYANMAR

LORD LOUGHBOROUGH ISLAND	04:45z	05Sep2018	3.73m
THAN KYUN	04:55z	05Sep2018	5.18m
LITTLE COCO ISLAND	05:01z	05Sep2018	1.92m
PREPARIS ISLAND	05:13z	05Sep2018	2.65m
PHARPON	06:07z	05Sep2018	1.52m
KYAUKPYU	06:08z	05Sep2018	2.56m
THAWINCHAUNG	06:12z	05Sep2018	1.68m
SITTWE	06:17z	05Sep2018	2.11m
MAGYIGYAING	06:26z	05Sep2018	3.39m
MAWYEN	06:27z	05Sep2018	2.40m
GREAT WESTERN TORRES ISLAND	06:35z	05Sep2018	2.57m
YE	06:36z	05Sep2018	1.63m
YANGON-S	06:36z	05Sep2018	1.17m
CHEDUBA ISLAND	06:38z	05Sep2018	2.32m
MALI KYUN	06:59z	05Sep2018	1.98m
KYWEGYAUNG	07:42z	05Sep2018	2.16m

OMAN

MASIRAH	10:07z	05Sep2018	0.95m
HASIK	10:10z	05Sep2018	1.55m
MIRBAT	10:17z	05Sep2018	2.10m
TAQAH	10:21z	05Sep2018	2.25m
AL JAZER	10:22z	05Sep2018	1.64m
RAS AR RUWAYS	10:25z	05Sep2018	1.51m
AD DUQM	10:28z	05Sep2018	1.58m
SALALAH	10:31z	05Sep2018	2.24m
SOHAR	11:33z	05Sep2018	0.72m
AL ASHKHARAH	11:42z	05Sep2018	1.44m
AL KHABURAH	11:49z	05Sep2018	0.57m
EAST MUSANDAM	12:03z	05Sep2018	0.94m
SUR	12:35z	05Sep2018	0.87m
MUSCAT	15:41z	05Sep2018	0.56m
QURAYYAT	16:08z	05Sep2018	0.82m
BARKA	16:11z	05Sep2018	0.52m

PAKISTAN

ORMARA	14:08z	05Sep2018	1.14m
WINDER	15:00z	05Sep2018	1.00m
SINDH	15:01z	05Sep2018	1.09m
KARACHI	15:07z	05Sep2018	1.49m

SEYCHELLES

COETIVY ISLAND	09:27z	05Sep2018	3.30m
ILE DESROCHES	09:51z	05Sep2018	2.03m
FREGATE ISLAND	09:56z	05Sep2018	4.14m
ALPHONSE ISLAND	10:02z	05Sep2018	1.26m
FARQUHAR GROUP	10:17z	05Sep2018	1.66m
TAKAMAKA	10:24z	05Sep2018	4.52m
ASTOVE ISLAND	10:50z	05Sep2018	0.87m
ALDABRA	11:00z	05Sep2018	1.76m

SOMALIA

BANDER-BEYLA	10:18z	05Sep2018	3.54m
EYL	10:19z	05Sep2018	4.02m
JARIIBAN	10:25z	05Sep2018	4.01m
GALDOGOB	10:32z	05Sep2018	3.66m
CEEL DHEER	10:32z	05Sep2018	3.09m
MAREEG	10:34z	05Sep2018	2.42m
ITALA	10:34z	05Sep2018	2.39m
TOOXIN	10:39z	05Sep2018	3.15m
XARARDHEERE	10:39z	05Sep2018	3.46m
UARSCIECH	10:43z	05Sep2018	2.67m
MUQDISHO	10:44z	05Sep2018	2.81m
BEYNAX BARRE	10:57z	05Sep2018	2.26m
BARAAWE	10:58z	05Sep2018	2.13m
ABO	11:00z	05Sep2018	3.08m
JILIB	11:05z	05Sep2018	2.19m
TURDHO	11:07z	05Sep2018	2.24m
NE BEERNAASI	11:15z	05Sep2018	2.33m
KAAMBOONI	11:19z	05Sep2018	2.17m
BAKI	12:43z	05Sep2018	0.58m
SAYLAC	12:50z	05Sep2018	0.92m
LOYADO	12:56z	05Sep2018	1.00m
QANDALA	14:35z	05Sep2018	1.15m
HADAAFTIMO	14:37z	05Sep2018	0.68m
KABURA	17:05z	05Sep2018	0.83m
MAYDH	17:13z	05Sep2018	0.55m

SOUTH AFRICA

GWABALANDA HITAWI	13:41z	05Sep2018	1.43m
LAKE SIBAYI	13:43z	05Sep2018	1.39m
PORT DURNFORD	13:43z	05Sep2018	1.18m
KOSIMEER	13:45z	05Sep2018	1.33m
FUNK SEAMOUNT	13:51z	05Sep2018	2.04m
MARGATE	13:57z	05Sep2018	1.54m
BIZANA	13:57z	05Sep2018	1.73m
MANDI	13:58z	05Sep2018	1.27m
KELSO	13:59z	05Sep2018	1.63m
LUSIKISIKI	13:59z	05Sep2018	1.68m
ABORETUM	13:59z	05Sep2018	2.16m
PORT ST JOHNS	14:05z	05Sep2018	1.82m
NGQUELENI	14:09z	05Sep2018	1.97m
ELLIOTDALE	14:12z	05Sep2018	1.83m
WILLOWVALE	14:16z	05Sep2018	2.35m
KENTANI	14:19z	05Sep2018	1.85m
MARSHSTRAND	14:26z	05Sep2018	4.02m
KAYSERS BEACH	14:27z	05Sep2018	3.58m
ZIKHOVA	14:29z	05Sep2018	2.05m
PEDDIE	14:34z	05Sep2018	2.26m
BATHURST	14:45z	05Sep2018	3.16m
ALEXANDRIA	14:47z	05Sep2018	1.93m
PORT ELIZABETH	15:01z	05Sep2018	1.79m
GAMTOOS	15:07z	05Sep2018	1.62m
HANKEY	15:40z	05Sep2018	1.37m
HUMANSDORP	15:52z	05Sep2018	1.35m
GEORGE	15:59z	05Sep2018	1.50m
MOSSEL	16:11z	05Sep2018	1.61m
HEIDELBERG	16:29z	05Sep2018	1.05m
WITAAND	16:33z	05Sep2018	1.53m
BREDASDORP	16:41z	05Sep2018	1.07m

SRI LANKA

AKKARAIPATTU	04:52z	05Sep2018	4.79m
KIRINDA	04:53z	05Sep2018	6.03m

BATTICALOA	04:54z	05Sep2018	5.97m
OKANDA	04:58z	05Sep2018	9.12m
POTTUVIL	05:00z	05Sep2018	10.06m
KATTANKUDI	05:00z	05Sep2018	4.44m
ANAITIVU	05:01z	05Sep2018	1.56m
PANKULAM	05:01z	05Sep2018	3.60m
TANGALLE	05:04z	05Sep2018	4.25m
MATARA	05:06z	05Sep2018	4.68m
MULLAITTIVU	05:08z	05Sep2018	5.27m
HAMBANTOTA	05:09z	05Sep2018	8.14m
GALLE	05:17z	05Sep2018	6.63m
CHUNDIKKULAM	05:24z	05Sep2018	4.27m
AMBALANGODA	05:26z	05Sep2018	4.09m
BERUWALA	05:29z	05Sep2018	3.71m
COLOMBO	05:29z	05Sep2018	2.74m
CHAVAKACHCHERI	05:32z	05Sep2018	5.05m
MORATUWA	05:33z	05Sep2018	4.59m
POINT PEDRO	05:37z	05Sep2018	3.92m
NEGOMBO	05:45z	05Sep2018	2.72m
MUNDAL LAKE	05:47z	05Sep2018	2.58m
MANNAR ISLAND	05:55z	05Sep2018	2.24m
MUSALI	06:07z	05Sep2018	2.07m

TANZANIA

VUMBA	11:43z	05Sep2018	1.27m
VUMBI	11:44z	05Sep2018	1.76m
ZANZIBAR	11:49z	05Sep2018	1.19m
JIMBO	11:51z	05Sep2018	1.33m
GAZIJA	11:53z	05Sep2018	1.81m
KUTANI	11:55z	05Sep2018	1.56m
SONGO SONGO ISLAND	11:58z	05Sep2018	1.32m
MADANGWA	12:00z	05Sep2018	2.25m
RUUU	12:02z	05Sep2018	1.79m
MSASANI	12:02z	05Sep2018	2.00m
BOMALANDNI	12:06z	05Sep2018	0.98m
WEST TO KONDE	12:10z	05Sep2018	1.14m
BAGAMOYO	12:43z	05Sep2018	1.31m

THAILAND

KO RACHA NOI	04:25z	05Sep2018	9.04m
KOH SURIN TAI	04:47z	05Sep2018	6.22m
THAI MUEANG	04:55z	05Sep2018	7.03m
THAI MUEANG_TAKUA PA	05:06z	05Sep2018	8.50m
KOH ROK	05:06z	05Sep2018	4.22m
KOH LANTA YAI	05:07z	05Sep2018	4.92m
MUEANG SATUN	05:53z	05Sep2018	5.39m
KOH TARUTAO	06:20z	05Sep2018	7.29m

UNITED ARAB EMIRATES

KALBA	11:46z	05Sep2018	0.65m
-------	--------	-----------	-------

UNITED KINGDOM

DIEGO GARCIA	06:48z	05Sep2018	9.40m
MORESBY ISLAND	06:55z	05Sep2018	5.94m
NW EGMONT ISLAND	07:05z	05Sep2018	5.36m

YEMEN

SOCOTRA ISLAND SOUTH	10:02z	05Sep2018	3.91m
----------------------	--------	-----------	-------

DAMQAWT	10:33z	05Sep2018	2.96m
SOCOTRA ISLAND WEST	10:43z	05Sep2018	1.62m
AL GHAYDAH AIRPORT	10:45z	05Sep2018	2.67m
HUSWAYN	10:50z	05Sep2018	3.64m
ALQUMRAH	10:56z	05Sep2018	2.95m
MASILAH WADI	11:00z	05Sep2018	2.05m
EAST TO HAMI	11:09z	05Sep2018	1.26m
SOCOTRA ISLAND NORTH	11:09z	05Sep2018	2.33m
HARRAH	11:10z	05Sep2018	1.51m
HAMI	11:28z	05Sep2018	1.48m
AL MUKALLA	11:30z	05Sep2018	2.06m
AHWAR	11:58z	05Sep2018	0.70m
KHANFAR	12:26z	05Sep2018	0.92m
ADEN	12:28z	05Sep2018	1.52m
MAALLAH	12:31z	05Sep2018	1.09m
QAWAH	13:04z	05Sep2018	0.85m
AL MUALLA	13:06z	05Sep2018	1.02m
RUDUM	14:00z	05Sep2018	0.89m
BROM MAYFA	14:25z	05Sep2018	0.82m

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 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-20180905-1100-011

TSUNAMI BULLETIN NUMBER 11 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 1100 UTC, Wednesday, 05 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 : 9.3 Mw
Depth : 10km
Date : 05 Sep 2018
Origin Time: 03:00:00 UTC
Latitude : 3.30N
Longitude : 96.00E
Location : Northern Sumatra, Indonesia

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
Sabang	INDONESIA	5.83N	95.33E	8.00	3:25	Sep 05, 2018
Meulaboh	INDONESIA	4.12N	96.13E	8.00	3:40	Sep 05, 2018
Telukdalam	INDONESIA	5.83N	95.33E	6.00	3:45	Sep 05, 2018
Tanah Bala	INDONESIA	0.53S	98.50E	3.50	4:10	Sep 05, 2018
Sibolga	INDONESIA	1.73N	98.80E	4.00	4:40	Sep 05, 2018
Cocos_Island	AUSTRALIA	12.11S	96.89E	2.11	4:45	Sep 05, 2018
Ko_Taphao_Noi	THAILAND	7.81N	98.41E	2.48	4:48	Sep 05, 2018
Port_Blair	INDIA	11.68N	92.76E	1.10	4:59	Sep 05, 2018
Christmas_Island_AU	AUSTRALIA	10.42S	105.66E	0.75	5:01	Sep 05, 2018
Nancowry	INDIA	8.05N	93.55E	5.35	5:17	Sep 05, 2018
Padang	INDONESIA	0.95S	100.36E	2.00	5:35	Sep 05, 2018
Trincomalee	SRI LANKA	8.56N	81.19E	1.36	5:37	Sep 05, 2018
Langkawi	MALAYSIA	6.41N	99.76E	2.58	6:07	Sep 05, 2018
Pangandaran	INDONESIA	7.74S	108.50E	0.60	6:35	Sep 05, 2018
Cilacap	INDONESIA	7.75S	109.00E	0.50	6:38	Sep 05, 2018
Sadeng	INDONESIA	8.19S	110.79E	0.50	6:40	Sep 05, 2018
Haing Gyi Kyun	MYANMAR	16.00N	94.31E	1.50	6:45	Sep 05, 2018
Gan	MALDIVES	0.68S	73.15E	2.00	6:45	Sep 05, 2018
Male	MALDIVES	4.19N	73.52E	1.45	6:54	Sep 05, 2018
Diego_Garcia	UK	7.23S	72.43E	1.53	6:56	Sep 05, 2018
Minicoy	INDIA	8.28N	73.05E	0.32	7:11	Sep 05, 2018
Penang	MALAYSIA	5.45N	100.18E	3.00	7:15	Sep 05, 2018
Muncar	INDONESIA	8.44S	114.35E	0.30	7:40	Sep 05, 2018
Cape_Cuvier_Wharf	AUSTRALIA	24.22S	113.39E	3.00	8:05	Sep 05, 2018
Waikelo	INDONESIA	9.38S	119.21E	0.20	8:10	Sep 05, 2018
Rodrigues	MAURITIUS	19.68S	63.42E	1.60	9:10	Sep 05, 2018
Pt_Louis	MAURITIUS	20.15S	57.50E	3.35	9:55	Sep 05, 2018
Chennai	INDIA	13.10N	80.30E	3.14	10:03	Sep 05, 2018
Sainte_Marie	REUNION ISLA	20.89S	55.53E	3.85	10:07	Sep 05, 2018
Ormara	PAKISTAN	25.20N	64.67E	0.38	10:48	Sep 05, 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

COCOS ISLAND	04:43z	05Sep2018	1.67m
CHRISTMAS ISLAND	05:08z	05Sep2018	1.29m
NINGALOO COAST	07:19z	05Sep2018	1.51m
PILBARA COAST WEST	08:10z	05Sep2018	1.82m
GASCOYNE COAST	08:32z	05Sep2018	2.62m
LANCELIN COAST	08:43z	05Sep2018	1.17m
PERTH COAST	09:02z	05Sep2018	1.55m
BUNBURY GEOGRAPHE COAST	09:17z	05Sep2018	2.53m
GERALDTON COAST	09:52z	05Sep2018	1.43m
HEARD ISLAND AND MCDONALD ISLANDS	12:43z	05Sep2018	2.71m
AURORA BANK	12:48z	05Sep2018	1.56m
LEEUEWIN COAST	13:24z	05Sep2018	1.24m
ALBANY COAST	14:36z	05Sep2018	0.70m
PILBARA COAST EAST	14:52z	05Sep2018	1.26m
WEST KIMBERLY COAST	16:17z	05Sep2018	0.55m

BANGLADESH

COXS BAZAR	06:44z	05Sep2018	1.68m
KUTUBDIA ISLAND	06:51z	05Sep2018	1.72m
CHALNA	07:17z	05Sep2018	1.35m
BARGUNA	07:23z	05Sep2018	1.55m

COMOROS

BAMBAO	11:26z	05Sep2018	1.11m
CHEZANI	11:33z	05Sep2018	1.53m
FOMBONI	11:39z	05Sep2018	1.33m
DZAOUDZI	16:34z	05Sep2018	0.99m

DJIBOUTI

NW ARTA	12:58z	05Sep2018	1.72m
MUHAMMAD ALI BIN FATHA SUMANA	13:08z	05Sep2018	0.95m

FRANCE

ILE SAINT-PAUL-NORTH	09:33z	05Sep2018	1.74m
ILE SAINT-PAUL-SOUTH	09:43z	05Sep2018	1.77m
SAINT - JOSEPH	10:02z	05Sep2018	1.23m

IOC Technical Series, 138 (I) Supplement 2
page 396

SAINT-DENIS	10:07z	05Sep2018	1.09m
NES CROZET	12:07z	05Sep2018	2.32m
ILE DE LA POSSESSION	12:08z	05Sep2018	2.42m
CROZET PLATEAU	12:30z	05Sep2018	2.87m
ILE KERGUELEN	12:32z	05Sep2018	4.22m

INDIA

INDIRA POINT	03:00z	05Sep2018	8.78m
KOMATRA AND KATCHAL ISLAND	03:23z	05Sep2018	7.79m
CAR NICOBAR	03:37z	05Sep2018	5.67m
LITTLE ANDAMAN	04:08z	05Sep2018	5.52m
NORTH SENTINEL ISLAND	04:13z	05Sep2018	3.87m
PORT BLAIR	04:25z	05Sep2018	3.75m
BARREN ISLAND	04:25z	05Sep2018	1.77m
HAVELOCK	04:39z	05Sep2018	3.82m
WEST AND LANDFALL ISLAND	04:39z	05Sep2018	2.35m
RANGATH BAY	04:39z	05Sep2018	3.45m
NARCONDAM ISLAND	04:47z	05Sep2018	2.29m
FLAT ISLAND	04:47z	05Sep2018	5.24m
DIGLIPUR	04:50z	05Sep2018	1.99m
MARAKKANAM	05:27z	05Sep2018	2.70m
PUDUCHERRY	05:30z	05Sep2018	4.02m
CUDDALORE	05:31z	05Sep2018	3.48m
POOMBUHAR	05:33z	05Sep2018	3.55m
NAGAPATTINAM	05:35z	05Sep2018	3.50m
ENNORE	05:35z	05Sep2018	4.08m
MAHABALIPURAM	05:37z	05Sep2018	5.75m
KARAIKAL	05:37z	05Sep2018	3.77m
MALLIPATTINAM	05:38z	05Sep2018	3.88m
MUTHUPET	05:38z	05Sep2018	4.73m
CHENNAI	05:40z	05Sep2018	4.67m
MACHILIPATNAM	05:40z	05Sep2018	3.47m
SRIHARIKOTA	05:42z	05Sep2018	3.76m
NIJAMPATTANAM	05:42z	05Sep2018	3.50m
KAKINADA	05:43z	05Sep2018	3.72m
PERUPALEM	05:44z	05Sep2018	4.11m
KOTTAPATNAM	05:52z	05Sep2018	4.67m
KONADA	05:54z	05Sep2018	2.90m
VISAKHAPATNAM	05:54z	05Sep2018	3.68m
PURI	05:58z	05Sep2018	2.27m
KALINGAPATNAM	05:59z	05Sep2018	3.28m
RAMESWARAM	06:06z	05Sep2018	2.44m
KOTTTAIPPATTANAM	06:06z	05Sep2018	3.24m
GOPALPUR	06:07z	05Sep2018	3.95m
PARADIP	06:10z	05Sep2018	2.44m
TUTICORIN	06:10z	05Sep2018	3.16m
KOODANKULAM	06:17z	05Sep2018	3.73m
JAMBOO	06:19z	05Sep2018	2.10m
DHAMRA	06:35z	05Sep2018	1.89m
TRIVANDRUM	06:38z	05Sep2018	3.31m
ALLEPPEY ALAPPUZHA	06:42z	05Sep2018	2.51m
MINICOY	06:42z	05Sep2018	1.41m
KANYAKUMARI	06:43z	05Sep2018	4.07m
HEMNAGAR	06:44z	05Sep2018	1.64m
CHANDIPUR	06:52z	05Sep2018	2.03m
DIGHA	06:54z	05Sep2018	2.04m
NAMKHANA	06:57z	05Sep2018	1.89m
QUILON	06:58z	05Sep2018	2.58m
ANDROTH	07:21z	05Sep2018	1.29m
COCHIN	07:22z	05Sep2018	2.53m
VAKKAD	07:26z	05Sep2018	1.99m
KAVARATTI	07:27z	05Sep2018	1.34m
BEYPORE	07:39z	05Sep2018	2.26m
VADANAPPALLY	07:41z	05Sep2018	2.10m
AGATTI	07:46z	05Sep2018	1.29m
AMINI	07:55z	05Sep2018	1.28m

KANNUR	08:08z	05Sep2018	2.10m
MAHE	08:08z	05Sep2018	2.31m
KASARAGOD	08:20z	05Sep2018	2.14m
MANGALORE	08:32z	05Sep2018	1.99m
UDUPI	08:45z	05Sep2018	1.93m
VASCO	09:14z	05Sep2018	2.09m
PANAJI	09:15z	05Sep2018	1.93m
KARWAR	09:17z	05Sep2018	2.32m
MALVAN BAY	09:34z	05Sep2018	1.52m
JAIGARH	10:10z	05Sep2018	1.34m
ALIBAG PORT	10:55z	05Sep2018	1.37m
PORBANDAR	13:44z	05Sep2018	1.01m
MANGROL	14:12z	05Sep2018	1.24m
MANDVI	14:35z	05Sep2018	0.87m
HAZIRA, DIU	14:36z	05Sep2018	1.05m
DWARKA	14:45z	05Sep2018	1.35m
JAMNAGAR	14:45z	05Sep2018	1.06m
MUMBAI	15:22z	05Sep2018	0.99m
MAHUVA	15:53z	05Sep2018	0.67m
KHAMBAT	15:55z	05Sep2018	0.59m
TARAPUR	16:05z	05Sep2018	0.92m
PIPAVAV	16:17z	05Sep2018	0.85m
HAZIRA	16:38z	05Sep2018	0.55m
BORSI	16:40z	05Sep2018	0.59m
DAMAN	16:52z	05Sep2018	0.77m
BHARUCH	17:48z	05Sep2018	0.57m

INDONESIA

NAD SIMEULUE PULAU SIMEULUE	03:00z	05Sep2018	17.54m
SUMUT NIAS-SELATAN PULAU TANAHMASA	03:00z	05Sep2018	13.11m
SUMUT NIAS BAGIAN BARAT	03:00z	05Sep2018	18.40m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	03:00z	05Sep2018	17.48m
SUMUT NIAS-SELATAN PULAU NIAS	03:00z	05Sep2018	17.63m
SUMUT NIAS-SELATAN PULAU PINI	03:00z	05Sep2018	16.06m
SUMUT NIAS BAGIAN TIMUR	03:00z	05Sep2018	14.08m
SUMUT NIAS-SELATAN PULAU TANABALA	03:03z	05Sep2018	9.96m
NAD KOTA-SABANG PULAU RONDO	03:11z	05Sep2018	7.55m
NAD KOTA-SABANG PULAU WEH	03:13z	05Sep2018	18.07m
NAD ACEH-SELATAN BAGIAN UTARA	03:14z	05Sep2018	19.40m
NAD ACEH-BESAR PULAU PENAS	03:17z	05Sep2018	33.35m
NAD ACEH-JAYA	03:18z	05Sep2018	30.14m
NAD ACEH-BESAR BAGIAN BARAT	03:18z	05Sep2018	45.23m
NAD NAGAN-RAYA	03:18z	05Sep2018	17.42m
NAD ACEH-BESAR PULAU BREUEH	03:19z	05Sep2018	17.44m
SUMBAR KEPULAUAN-MENTAWAI P. SIBERUT	03:20z	05Sep2018	2.71m
NAD KOTA-BANDA-ACEH	03:22z	05Sep2018	25.31m
NAD ACEH-BARAT	03:24z	05Sep2018	26.66m
NAD ACEH-BESAR BAGIAN UTARA	03:25z	05Sep2018	13.00m
NAD ACEH-BARAT-DAYA	03:27z	05Sep2018	28.68m
NAD PIDIE	03:32z	05Sep2018	15.65m
SUMUT TAPANULI-TENGAH KEP. MURSALA	03:34z	05Sep2018	12.39m
NAD ACEH-SELATAN BAGIAN SELATAN	03:34z	05Sep2018	39.20m
NAD ACEH-SINGKIL	03:35z	05Sep2018	24.13m
SUMUT TAPANULI-TENGAH BAGIAN UTARA	03:35z	05Sep2018	17.96m
SUMBAR KEPULAUAN-MENTAWAI PULAU SIPORA	03:37z	05Sep2018	2.59m
SUMUT TAPANULI-TENGAH BAGIAN SELATAN	03:47z	05Sep2018	17.82m
NAD BIREUEN	03:48z	05Sep2018	7.16m
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	03:48z	05Sep2018	1.88m
SUMUT TAPANULI-SELATAN	03:48z	05Sep2018	16.67m
SUMUT MANDAILING-NATAL BAGIAN UTARA	03:51z	05Sep2018	19.71m
NAD ACEH-UTARA BAGIAN BARAT	03:53z	05Sep2018	9.18m
NAD KOTA-LHOKSEUMAWE	03:58z	05Sep2018	9.13m
SUMBAR KOTA-PADANG BAGIAN SELATAN	04:00z	05Sep2018	8.69m
SUMBAR PASAMAN-BARAT	04:02z	05Sep2018	14.77m
SUMBAR PADANG-PARIAMAN BAGIAN SELATAN	04:07z	05Sep2018	4.23m
SUMBAR AGAM	04:07z	05Sep2018	9.84m

SUMBAR KOTA-PADANG BAGIAN UTARA	04:07z 05Sep2018	5.88m
SUMBAR KOTA-PARIAMAN	04:09z 05Sep2018	5.12m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	04:09z 05Sep2018	20.40m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	04:12z 05Sep2018	5.19m
NAD ACEH-UTARA BAGIAN TIMUR	04:15z 05Sep2018	12.26m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	04:16z 05Sep2018	2.25m
SUMUT KOTA-SIBOLGA	04:20z 05Sep2018	20.76m
SUMBAR PESISIR-SELATAN BAGIAN UTARA	04:31z 05Sep2018	3.69m
SUMBAR PESISIR-SELATAN BAGIAN SELATAN	04:36z 05Sep2018	3.75m
BENGKULU KAUR	04:37z 05Sep2018	2.16m
BENGKULU MUKOMUKO	04:39z 05Sep2018	4.49m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	04:40z 05Sep2018	2.20m
BENGKULU SELUMA	04:40z 05Sep2018	5.19m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	04:41z 05Sep2018	4.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	04:41z 05Sep2018	2.17m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	04:42z 05Sep2018	2.28m
BENGKULU BENGKULU-SELATAN	04:46z 05Sep2018	4.83m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	04:48z 05Sep2018	8.00m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	04:50z 05Sep2018	5.85m
BANTEN PANDEGLANG PULAU PANAITAN	04:51z 05Sep2018	1.54m
BANTEN LEBAK	05:04z 05Sep2018	1.74m
LAMPUNG TANGGAMUS BAGIAN TIMUR	05:06z 05Sep2018	2.32m
LAMPUNG LAMPUNG-SELATAN KEP. LEGUNDI	05:07z 05Sep2018	2.26m
JABAR SUKABUMI PELABUHAN-RATU	05:08z 05Sep2018	2.30m
LAMPUNG TANGGAMUS BAGIAN BARAT	05:11z 05Sep2018	4.60m
LAMPUNG TANGGAMUS PULAU TABUAN	05:12z 05Sep2018	2.71m
LAMPUNG LAMPUNG-SELATAN KEP. KRAKATAU	05:13z 05Sep2018	2.36m
JABAR SUKABUMI UJUNG-GENTENG	05:15z 05Sep2018	1.39m
LAMPUNG LAMPUNG-SELATAN KEP. SEBUKU	05:20z 05Sep2018	3.00m
JABAR CIANJUR SINDANGBARANG	05:26z 05Sep2018	1.18m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	05:52z 05Sep2018	1.25m
NAD ACEH-TIMUR	05:56z 05Sep2018	6.36m
NAD KOTA-LANGSA	05:59z 05Sep2018	6.98m
NAD ACEH-TAMIAN	06:00z 05Sep2018	6.63m
DIY BANTUL	06:00z 05Sep2018	1.84m
JATENG WONOGIRI	06:03z 05Sep2018	1.16m
DIY GUNUNG-KIDUL	06:03z 05Sep2018	1.48m
JABAR CIAMIS	06:04z 05Sep2018	1.58m
DIY KULON-PROGO	06:04z 05Sep2018	1.64m
BANTEN SERANG BAGIAN BARAT	06:05z 05Sep2018	1.78m
JATENG PURWOREJO	06:08z 05Sep2018	2.29m
JATENG KEBUMEN	06:09z 05Sep2018	2.38m
JATENG CILACAP	06:15z 05Sep2018	2.25m
LAMPUNG LAMPUNG-SELATAN KALIANDA	06:16z 05Sep2018	2.60m
JATIM TULUNGAGUNG	06:17z 05Sep2018	1.06m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI PANJANG	06:23z 05Sep2018	3.97m
JATIM BLITAR	06:24z 05Sep2018	1.43m
BANTEN KOTA-CILEGON	06:32z 05Sep2018	2.18m
JATIM JEMBER PULAU NUSABARUNG	06:38z 05Sep2018	1.57m
JABAR TASIKMALAYA	06:38z 05Sep2018	1.83m
SUMUT LANGKAT	06:59z 05Sep2018	5.27m
SUMUT KOTA-MEDAN	07:24z 05Sep2018	6.16m
SUMUT DELISERDANG	07:26z 05Sep2018	4.60m
BALI JEMBRANA	07:37z 05Sep2018	2.14m
SUMUT SERDANG-BEDAGAI	07:54z 05Sep2018	4.77m
SUMUT ASAHAN	08:24z 05Sep2018	3.34m
BANTEN KOTA-CILEGON PULAU SANGIA	08:56z 05Sep2018	1.25m
SUMUT LABUHANBATU	09:56z 05Sep2018	1.92m
JATIM PACITAN	10:00z 05Sep2018	1.62m
LAMPUNG LAMPUNG-SELATAN BAGIAN BARAT	10:01z 05Sep2018	2.34m
BANTEN PANDEGLANG BAGIAN SELATAN	11:08z 05Sep2018	1.96m
NTB SUMBAWA BAGIAN SELATAN	11:30z 05Sep2018	0.87m
NTB DOMPU BAGIAN SELATAN	11:42z 05Sep2018	1.97m
NTT KEPULAUAN MANGGARAI-BARAT	11:57z 05Sep2018	1.38m
BANTEN PANDEGLANG BAGIAN UTARA	12:04z 05Sep2018	1.60m
NTT NGADA BAGIAN SELATAN	12:27z 05Sep2018	0.74m
JATIM JEMBER	12:32z 05Sep2018	1.60m
RIAU ROKAN-HILIR	12:37z 05Sep2018	1.90m

NTT FLORES-TIMUR PULAU ADONARA	12:46z	05Sep2018	0.57m
BALI DENPASAR PANTAI-SANUR	12:50z	05Sep2018	1.41m
BALI TABANAN	12:53z	05Sep2018	1.43m
JATIM TRENGGALEK	13:09z	05Sep2018	1.59m
RIAU BENGKALIS	13:12z	05Sep2018	1.28m
JABAR GARUT	13:14z	05Sep2018	1.21m
NTT MANGGARAI-BARAT BAGIAN SELATAN	13:26z	05Sep2018	1.20m
NTT MANGGARAI BAGIAN SELATAN	13:33z	05Sep2018	0.69m
JATIM MALANG	13:39z	05Sep2018	1.12m
NTB LOMBOK-TIMUR BAGIAN SELATAN	13:42z	05Sep2018	1.22m
BALI BADUNG PANTAI-KUTA	13:43z	05Sep2018	1.49m
NTB SUMBAWA BAGIAN BARAT	13:47z	05Sep2018	0.88m
JATIM LUMAJANG	13:48z	05Sep2018	1.35m
NTB LOMBOK-TENGAH	13:51z	05Sep2018	1.22m
JATIM BANYUWANGI BAGIAN SELATAN	13:58z	05Sep2018	1.21m
BALI KARANG-ASEM BAGIAN SELATAN	13:59z	05Sep2018	0.93m
NTB KOTA-MATARAM	14:02z	05Sep2018	1.00m
NTB LOMBOK-TIMUR BAGIAN TIMUR	14:09z	05Sep2018	1.28m
NTB LOMBOK-BARAT BAGIAN SELATAN	14:10z	05Sep2018	0.90m
JATIM BANYUWANGI BAGIAN TIMUR	14:19z	05Sep2018	1.00m
BALI KLUNGKUNG	14:40z	05Sep2018	0.99m
BALI GIANYAR	15:26z	05Sep2018	1.33m
NTT SUMBA BAGIAN TIMUR	15:28z	05Sep2018	0.99m
NTT LEMBATA BAGIAN SELATAN	15:37z	05Sep2018	0.64m
NTT SUMBA BAGIAN BARAT	15:41z	05Sep2018	1.17m
NTB BIMA PULAU GILI	15:57z	05Sep2018	0.77m
NTT FLORES-TIMUR PULAU SOLOR	16:08z	05Sep2018	0.57m
NTT ALOR BAGIAN SELATAN	16:08z	05Sep2018	0.60m
BALI KLUNGKUNG PULAU NUSAPENIDA	16:21z	05Sep2018	0.98m
NTT KUPANG	16:27z	05Sep2018	0.58m
NTT ENDE BAGIAN SELATAN	16:35z	05Sep2018	0.83m
NTT SIKKA BAGIAN SELATAN	16:36z	05Sep2018	0.55m
NTB KOTA-BIMA BAGIAN SELATAN	17:21z	05Sep2018	1.00m

IRAN

PUSHT	10:53z	05Sep2018	1.11m
BIR	11:05z	05Sep2018	0.81m
MISKI	12:55z	05Sep2018	0.71m

KENYA

KIWAYU	11:32z	05Sep2018	2.63m
KIPINI	11:47z	05Sep2018	1.94m
TAKAUNGU	11:50z	05Sep2018	1.79m
MALINDI	11:54z	05Sep2018	2.19m
MVULENI	11:57z	05Sep2018	1.99m
KISIMACHANDE	11:59z	05Sep2018	1.67m

MADAGASCAR

VOHEMAR	10:41z	05Sep2018	2.13m
ANOROTSANGANA	10:42z	05Sep2018	1.84m
TOAMASINA AIRPORT	10:55z	05Sep2018	1.74m
TAMPOLO	10:55z	05Sep2018	3.85m
FARAFAGANA	11:12z	05Sep2018	4.48m
AMBAHY	11:13z	05Sep2018	3.38m
MANANTENINA	11:45z	05Sep2018	3.07m
SAMPONA	12:24z	05Sep2018	2.82m
EUROPA ISLAND	12:52z	05Sep2018	0.90m
AMBANJA	13:30z	05Sep2018	0.86m
MANJA	13:35z	05Sep2018	0.74m
GLORIOSO ISLANDS	14:59z	05Sep2018	0.96m
BALY	16:56z	05Sep2018	0.79m
ANDROKA	17:08z	05Sep2018	0.68m

TAMOTAMO	17:25z 05Sep2018	0.52m
----------	------------------	-------

MALAYSIA

SATUN	06:12z 05Sep2018	3.72m
YAN	06:13z 05Sep2018	3.57m
WEST OF ALOR SETAR	06:40z 05Sep2018	3.49m
SEBERANG PERAI UTARA AND BARAT DAYA	06:44z 05Sep2018	4.99m
SEBERANG PERAI SELATAN	06:45z 05Sep2018	4.21m
KUALA MUDA	06:49z 05Sep2018	2.81m
KERIAN	07:06z 05Sep2018	4.34m
LARUT AND MATANG	07:15z 05Sep2018	3.95m
MANJUNG	07:23z 05Sep2018	3.57m
HILIR PERAK	08:01z 05Sep2018	2.44m
SABAK BERNAM	08:48z 05Sep2018	2.43m
KUALA SELANGOR	10:38z 05Sep2018	1.56m
KUALA LANGAT	11:27z 05Sep2018	1.08m
SEPANG	13:20z 05Sep2018	0.96m
PORT DICKSON	14:07z 05Sep2018	0.77m
ALOR GAJAH	16:21z 05Sep2018	0.54m
JASIN	17:06z 05Sep2018	0.54m

MALDIVES

KULHUDUFFUSHI	06:15z 05Sep2018	4.38m
MALE	06:16z 05Sep2018	3.55m
KOLHUFUSHI	06:16z 05Sep2018	3.60m
THINADHOO	06:17z 05Sep2018	4.61m
DHIYAMIGILI	06:20z 05Sep2018	4.84m
HITHADHOO	06:21z 05Sep2018	5.24m
GOIDHOO	06:28z 05Sep2018	2.79m
NILANDHOO	06:40z 05Sep2018	3.40m
FERIDHOO	06:54z 05Sep2018	2.43m

MAURITIUS

LA FERME	08:49z 05Sep2018	3.96m
CARGADOS CARAJOS	09:22z 05Sep2018	5.32m
AGALEGA ISLAND	09:33z 05Sep2018	1.70m
GRANDE REVIERE SUD EST-EAST	09:37z 05Sep2018	3.00m
GRANDE REVIERE SUD EST-WEST	09:49z 05Sep2018	2.04m

MOZAMBIQUE

MAGANJA	12:08z 05Sep2018	1.64m
QUITERAJO	12:08z 05Sep2018	1.18m
TAVARI	12:10z 05Sep2018	0.91m
PEMBA	12:11z 05Sep2018	1.17m
MERONVI	12:14z 05Sep2018	1.32m
MECUFI	12:16z 05Sep2018	1.32m
MURREBUE	12:17z 05Sep2018	0.70m
NANGATA	12:17z 05Sep2018	1.93m
LURIO	12:18z 05Sep2018	1.28m
LUMBO	12:19z 05Sep2018	0.94m
MINHAUINE	12:22z 05Sep2018	4.12m
MOGINCUAL	12:30z 05Sep2018	0.86m
INHARRIME	13:21z 05Sep2018	1.02m
POMENE	13:35z 05Sep2018	1.12m
VILANKULO	13:39z 05Sep2018	0.94m
MAGUEMBA	13:44z 05Sep2018	1.03m
ZAVALA	13:54z 05Sep2018	1.61m
INHASSORO	13:56z 05Sep2018	0.60m
MAPUTO	14:00z 05Sep2018	1.49m
NAMORRE	14:01z 05Sep2018	0.85m

XAI-XAI	14:02z	05Sep2018	1.36m
OCONE	14:04z	05Sep2018	0.77m
AMADE	14:10z	05Sep2018	0.61m
MALUANA	14:10z	05Sep2018	1.05m
VILA DO CHINDE	14:34z	05Sep2018	0.95m
NHANGAU	14:41z	05Sep2018	0.54m
MAIONGUE	14:54z	05Sep2018	1.20m
NOVA LUSITANIA	16:12z	05Sep2018	0.54m
MOEBASE	17:16z	05Sep2018	0.56m

MYANMAR

LORD LOUGHBOROUGH ISLAND	04:45z	05Sep2018	3.73m
THAN KYUN	04:55z	05Sep2018	5.18m
LITTLE COCO ISLAND	05:01z	05Sep2018	1.92m
PREPARIS ISLAND	05:13z	05Sep2018	2.65m
PHARPON	06:07z	05Sep2018	1.52m
KYAUKPYU	06:08z	05Sep2018	2.56m
THAWINCHAUNG	06:12z	05Sep2018	1.68m
SITTWE	06:17z	05Sep2018	2.11m
MAGYIGYAING	06:26z	05Sep2018	3.39m
MAWYEN	06:27z	05Sep2018	2.40m
GREAT WESTERN TORRES ISLAND	06:35z	05Sep2018	2.57m
YE	06:36z	05Sep2018	1.63m
YANGON-S	06:36z	05Sep2018	1.17m
CHEDUBA ISLAND	06:38z	05Sep2018	2.32m
MALI KYUN	06:59z	05Sep2018	1.98m
KYWEGYAUNG	07:42z	05Sep2018	2.16m

OMAN

MASIRAH	10:07z	05Sep2018	0.95m
HASIK	10:10z	05Sep2018	1.55m
MIRBAT	10:17z	05Sep2018	2.10m
TAQAH	10:21z	05Sep2018	2.25m
AL JAZER	10:22z	05Sep2018	1.64m
RAS AR RUWAYS	10:25z	05Sep2018	1.51m
AD DUQM	10:28z	05Sep2018	1.58m
SALALAH	10:31z	05Sep2018	2.24m
SOHAR	11:33z	05Sep2018	0.72m
AL ASHKHARAH	11:42z	05Sep2018	1.44m
AL KHABURAH	11:49z	05Sep2018	0.57m
EAST MUSANDAM	12:03z	05Sep2018	0.94m
SUR	12:35z	05Sep2018	0.87m
MUSCAT	15:41z	05Sep2018	0.56m
QURAYYAT	16:08z	05Sep2018	0.82m
BARKA	16:11z	05Sep2018	0.52m

PAKISTAN

ORMARA	14:08z	05Sep2018	1.14m
WINDER	15:00z	05Sep2018	1.00m
SINDH	15:01z	05Sep2018	1.09m
KARACHI	15:07z	05Sep2018	1.49m

SEYCHELLES

COETIVY ISLAND	09:27z	05Sep2018	3.30m
ILE DESROCHES	09:51z	05Sep2018	2.03m
FREGATE ISLAND	09:56z	05Sep2018	4.14m
ALPHONSE ISLAND	10:02z	05Sep2018	1.26m
FARQUHAR GROUP	10:17z	05Sep2018	1.66m
TAKAMAKA	10:24z	05Sep2018	4.52m
ASTOVE ISLAND	10:50z	05Sep2018	0.87m

ALDABRA	11:00z	05Sep2018	1.76m

SOMALIA			

BANDER-BEYLA	10:18z	05Sep2018	3.54m
EYL	10:19z	05Sep2018	4.02m
JARIIBAN	10:25z	05Sep2018	4.01m
GALDOGOB	10:32z	05Sep2018	3.66m
CEEL DHEER	10:32z	05Sep2018	3.09m
MAREEG	10:34z	05Sep2018	2.42m
ITALA	10:34z	05Sep2018	2.39m
TOOXIN	10:39z	05Sep2018	3.15m
XARARDHEERE	10:39z	05Sep2018	3.46m
UARSCIECH	10:43z	05Sep2018	2.67m
MUQDISHO	10:44z	05Sep2018	2.81m
BEYNAX BARRE	10:57z	05Sep2018	2.26m
BARAAWE	10:58z	05Sep2018	2.13m
ABO	11:00z	05Sep2018	3.08m
JILIB	11:05z	05Sep2018	2.19m
TURDHO	11:07z	05Sep2018	2.24m
NE BEERNAASI	11:15z	05Sep2018	2.33m
KAAMBOONI	11:19z	05Sep2018	2.17m
BAKI	12:43z	05Sep2018	0.58m
SAYLAC	12:50z	05Sep2018	0.92m
LOYADO	12:56z	05Sep2018	1.00m
QANDALA	14:35z	05Sep2018	1.15m
HADAAFTIMO	14:37z	05Sep2018	0.68m
KABURA	17:05z	05Sep2018	0.83m
MAYDH	17:13z	05Sep2018	0.55m

SOUTH AFRICA			

GWABALANDA HITAWI	13:41z	05Sep2018	1.43m
LAKE SIBAYI	13:43z	05Sep2018	1.39m
PORT DURNFORD	13:43z	05Sep2018	1.18m
KOSIMEER	13:45z	05Sep2018	1.33m
FUNK SEAMOUNT	13:51z	05Sep2018	2.04m
MARGATE	13:57z	05Sep2018	1.54m
BIZANA	13:57z	05Sep2018	1.73m
MANDI	13:58z	05Sep2018	1.27m
KELSO	13:59z	05Sep2018	1.63m
LUSIKISIKI	13:59z	05Sep2018	1.68m
ABORETUM	13:59z	05Sep2018	2.16m
PORT ST JOHNS	14:05z	05Sep2018	1.82m
NGQUELENI	14:09z	05Sep2018	1.97m
ELLIOTDALE	14:12z	05Sep2018	1.83m
WILLOWVALE	14:16z	05Sep2018	2.35m
KENTANI	14:19z	05Sep2018	1.85m
MARSHSTRAND	14:26z	05Sep2018	4.02m
KAYSERS BEACH	14:27z	05Sep2018	3.58m
ZIKHOVA	14:29z	05Sep2018	2.05m
PEDDIE	14:34z	05Sep2018	2.26m
BATHURST	14:45z	05Sep2018	3.16m
ALEXANDRIA	14:47z	05Sep2018	1.93m
PORT ELIZABETH	15:01z	05Sep2018	1.79m
GAMTOOS	15:07z	05Sep2018	1.62m
HANKEY	15:40z	05Sep2018	1.37m
HUMANSDORP	15:52z	05Sep2018	1.35m
GEORGE	15:59z	05Sep2018	1.50m
MOSSEL	16:11z	05Sep2018	1.61m
HEIDELBERG	16:29z	05Sep2018	1.05m
WITAAND	16:33z	05Sep2018	1.53m
BREDASDORP	16:41z	05Sep2018	1.07m

SRI LANKA			

AKKARAIPATTU	04:52z	05Sep2018	4.79m
KIRINDA	04:53z	05Sep2018	6.03m
BATTICALOA	04:54z	05Sep2018	5.97m
OKANDA	04:58z	05Sep2018	9.12m
POTTUVIL	05:00z	05Sep2018	10.06m
KATTANKUDI	05:00z	05Sep2018	4.44m
ANAITIVU	05:01z	05Sep2018	1.56m
PANKULAM	05:01z	05Sep2018	3.60m
TANGALLE	05:04z	05Sep2018	4.25m
MATARA	05:06z	05Sep2018	4.68m
MULLAITTIVU	05:08z	05Sep2018	5.27m
HAMBANTOTA	05:09z	05Sep2018	8.14m
GALLE	05:17z	05Sep2018	6.63m
CHUNDIKKULAM	05:24z	05Sep2018	4.27m
AMBALANGODA	05:26z	05Sep2018	4.09m
BERUWALA	05:29z	05Sep2018	3.71m
COLOMBO	05:29z	05Sep2018	2.74m
CHAVAKACHCHERI	05:32z	05Sep2018	5.05m
MORATUWA	05:33z	05Sep2018	4.59m
POINT PEDRO	05:37z	05Sep2018	3.92m
NEGOMBO	05:45z	05Sep2018	2.72m
MUNDAL LAKE	05:47z	05Sep2018	2.58m
MANNAR ISLAND	05:55z	05Sep2018	2.24m
MUSALI	06:07z	05Sep2018	2.07m

TANZANIA

VUMBA	11:43z	05Sep2018	1.27m
VUMBI	11:44z	05Sep2018	1.76m
ZANZIBAR	11:49z	05Sep2018	1.19m
JIMBO	11:51z	05Sep2018	1.33m
GAZIJA	11:53z	05Sep2018	1.81m
KUTANI	11:55z	05Sep2018	1.56m
SONGO SONGO ISLAND	11:58z	05Sep2018	1.32m
MADANGWA	12:00z	05Sep2018	2.25m
RUUVU	12:02z	05Sep2018	1.79m
MSASANI	12:02z	05Sep2018	2.00m
BOMALANDNI	12:06z	05Sep2018	0.98m
WEST TO KONDE	12:10z	05Sep2018	1.14m
BAGAMOYO	12:43z	05Sep2018	1.31m

THAILAND

KO RACHA NOI	04:25z	05Sep2018	9.04m
KOH SURIN TAI	04:47z	05Sep2018	6.22m
THAI MUEANG	04:55z	05Sep2018	7.03m
THAI MUEANG_TAKUA PA	05:06z	05Sep2018	8.50m
KOH ROK	05:06z	05Sep2018	4.22m
KOH LANTA YAI	05:07z	05Sep2018	4.92m
MUEANG SATUN	05:53z	05Sep2018	5.39m
KOH TARUTAO	06:20z	05Sep2018	7.29m

UNITED ARAB EMIRATES

KALBA	11:46z	05Sep2018	0.65m
-------	--------	-----------	-------

UNITED KINGDOM

DIEGO GARCIA	06:48z	05Sep2018	9.40m
MORESBY ISLAND	06:55z	05Sep2018	5.94m
NW EGMONT ISLAND	07:05z	05Sep2018	5.36m

YEMEN

SOCOTRA ISLAND SOUTH	10:02z	05Sep2018	3.91m
DAMQAWT	10:33z	05Sep2018	2.96m
SOCOTRA ISLAND WEST	10:43z	05Sep2018	1.62m
AL GHAYDAH AIRPORT	10:45z	05Sep2018	2.67m
HUSWAYN	10:50z	05Sep2018	3.64m
ALQUMRAH	10:56z	05Sep2018	2.95m
MASILAH WADI	11:00z	05Sep2018	2.05m
EAST TO HAMI	11:09z	05Sep2018	1.26m
SOCOTRA ISLAND NORTH	11:09z	05Sep2018	2.33m
HARRAH	11:10z	05Sep2018	1.51m
HAMI	11:28z	05Sep2018	1.48m
AL MUKALLA	11:30z	05Sep2018	2.06m
AHWAR	11:58z	05Sep2018	0.70m
KHANFAR	12:26z	05Sep2018	0.92m
ADEN	12:28z	05Sep2018	1.52m
MAALLAH	12:31z	05Sep2018	1.09m
QAWAH	13:04z	05Sep2018	0.85m
AL MUALLA	13:06z	05Sep2018	1.02m
RUDUM	14:00z	05Sep2018	0.89m
BROM MAYFA	14:25z	05Sep2018	0.82m

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 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-20180905-1300-012

TSUNAMI BULLETIN NUMBER 12 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 1300 UTC, Wednesday, 05 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 : 9.3 Mw
Depth : 10km
Date : 05 Sep 2018
Origin Time: 03:00:00 UTC
Latitude : 3.30N
Longitude : 96.00E
Location : Northern Sumatra, Indonesia

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
Sabang	INDONESIA	5.83N	95.33E	8.00	3:25	Sep 05, 2018
Meulaboh	INDONESIA	4.12N	96.13E	8.00	3:40	Sep 05, 2018
Telukdalam	INDONESIA	5.83N	95.33E	6.00	3:45	Sep 05, 2018
Tanah Bala	INDONESIA	0.53S	98.50E	3.50	4:10	Sep 05, 2018
Sibolga	INDONESIA	1.73N	98.80E	4.00	4:40	Sep 05, 2018
Cocos_Island	AUSTRALIA	12.11S	96.89E	2.11	4:45	Sep 05, 2018
Ko_Taphao_Noi	THAILAND	7.81N	98.41E	2.48	4:48	Sep 05, 2018
Port_Blair	INDIA	11.68N	92.76E	1.10	4:59	Sep 05, 2018
Christmas_Island_AU	AUSTRALIA	10.42S	105.66E	0.75	5:01	Sep 05, 2018
Nancowry	INDIA	8.05N	93.55E	5.35	5:17	Sep 05, 2018
Padang	INDONESIA	0.95S	100.36E	2.00	5:35	Sep 05, 2018
Trincomalee	SRI LANKA	8.56N	81.19E	1.36	5:37	Sep 05, 2018
Langkawi	MALAYSIA	6.41N	99.76E	2.58	6:07	Sep 05, 2018
Pangandaran	INDONESIA	7.74S	108.50E	0.60	6:35	Sep 05, 2018
Cilacap	INDONESIA	7.75S	109.00E	0.50	6:38	Sep 05, 2018
Sadeng	INDONESIA	8.19S	110.79E	0.50	6:40	Sep 05, 2018
Haing Gyi Kyun	MYANMAR	16.00N	94.31E	1.50	6:45	Sep 05, 2018
Gan	MALDIVES	0.68S	73.15E	2.00	6:45	Sep 05, 2018
Male	MALDIVES	4.19N	73.52E	1.45	6:54	Sep 05, 2018
Diego_Garcia	UK	7.23S	72.43E	1.53	6:56	Sep 05, 2018
Minicoy	INDIA	8.28N	73.05E	0.32	7:11	Sep 05, 2018
Penang	MALAYSIA	5.45N	100.18E	3.00	7:15	Sep 05, 2018
Muncar	INDONESIA	8.44S	114.35E	0.30	7:40	Sep 05, 2018
Cape_Cuvier_Wharf	AUSTRALIA	24.22S	113.39E	3.00	8:05	Sep 05, 2018
Waikelu	INDONESIA	9.38S	119.21E	0.20	8:10	Sep 05, 2018
Rodrigues	MAURITIUS	19.68S	63.42E	1.60	9:10	Sep 05, 2018
Pt_Louis	MAURITIUS	20.15S	57.50E	3.35	9:55	Sep 05, 2018
Chennai	INDIA	13.10N	80.30E	3.14	10:03	Sep 05, 2018
Sainte_Marie	REUNION ISLA	20.89S	55.53E	3.85	10:07	Sep 05, 2018
Ormara	PAKISTAN	25.20N	64.67E	0.38	10:48	Sep 05, 2018
Chabahar	IRAN	25.29N	60.60E	0.40	11:11	Sep 05, 2018
Cochin	INDIA	9.96N	76.26E	1.17	11:12	Sep 05, 2018
Toamasina	MADAGASCAR	18.15S	49.42E	0.76	11:13	Sep 05, 2018
Muscat	OMAN	23.63N	58.56E	0.29	11:20	Sep 05, 2018

Hillarys_Harbor	AUSTRALIA	31.82S 115.73E	4.70	11:23	Sep 05, 2018
Salalah	OMAN	16.93N 54.00E	0.74	12:19	Sep 05, 2018
Broome	AUSTRALIA	18.00S 122.21E	4.21	12:58	Sep 05, 2018
Esperance	AUSTRALIA	33.87S 121.89E	0.86	12:59	Sep 05, 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

COCOS ISLAND	04:43z 05Sep2018	1.67m
CHRISTMAS ISLAND	05:08z 05Sep2018	1.29m
NINGALOO COAST	07:19z 05Sep2018	1.51m
PILBARA COAST WEST	08:10z 05Sep2018	1.82m
GASCOYNE COAST	08:32z 05Sep2018	2.62m
LANCELIN COAST	08:43z 05Sep2018	1.17m
PERTH COAST	09:02z 05Sep2018	1.55m
BUNBURY GEOGRAPHE COAST	09:17z 05Sep2018	2.53m
GERALDTON COAST	09:52z 05Sep2018	1.43m
HEARD ISLAND AND MCDONALD ISLANDS	12:43z 05Sep2018	2.71m
AURORA BANK	12:48z 05Sep2018	1.56m
LEEWIN COAST	13:24z 05Sep2018	1.24m
ALBANY COAST	14:36z 05Sep2018	0.70m
PILBARA COAST EAST	14:52z 05Sep2018	1.26m
WEST KIMBERLY COAST	16:17z 05Sep2018	0.55m

BANGLADESH

COXS BAZAR	06:44z 05Sep2018	1.68m
KUTUBDIA ISLAND	06:51z 05Sep2018	1.72m
CHALNA	07:17z 05Sep2018	1.35m
BARGUNA	07:23z 05Sep2018	1.55m

COMOROS

BAMBAO	11:26z 05Sep2018	1.11m
CHEZANI	11:33z 05Sep2018	1.53m
FOMBONI	11:39z 05Sep2018	1.33m
DZAOUDZI	16:34z 05Sep2018	0.99m

DJIBOUTI

NW ARTA	12:58z 05Sep2018	1.72m
---------	------------------	-------

MUHAMMAD ALI BIN FATHA SUMANA 13:08z 05Sep2018 0.95m

FRANCE

ILE SAINT-PAUL-NORTH	09:33z 05Sep2018	1.74m
ILE SAINT-PAUL-SOUTH	09:43z 05Sep2018	1.77m
SAINT - JOSEPH	10:02z 05Sep2018	1.23m
SAINT-DENIS	10:07z 05Sep2018	1.09m
NES CROZET	12:07z 05Sep2018	2.32m
ILE DE LA POSSESSION	12:08z 05Sep2018	2.42m
CROZET PLATEAU	12:30z 05Sep2018	2.87m
ILE KERGUELEN	12:32z 05Sep2018	4.22m

INDIA

INDIRA POINT	03:00z 05Sep2018	8.78m
KOMATRA AND KATCHAL ISLAND	03:23z 05Sep2018	7.79m
CAR NICOBAR	03:37z 05Sep2018	5.67m
LITTLE ANDAMAN	04:08z 05Sep2018	5.52m
NORTH SENTINEL ISLAND	04:13z 05Sep2018	3.87m
PORT BLAIR	04:25z 05Sep2018	3.75m
BARREN ISLAND	04:25z 05Sep2018	1.77m
HAVELOCK	04:39z 05Sep2018	3.82m
WEST AND LANDFALL ISLAND	04:39z 05Sep2018	2.35m
RANGATH BAY	04:39z 05Sep2018	3.45m
NARCONDAM ISLAND	04:47z 05Sep2018	2.29m
FLAT ISLAND	04:47z 05Sep2018	5.24m
DIGLIPUR	04:50z 05Sep2018	1.99m
MARAKKANAM	05:27z 05Sep2018	2.70m
PUDUCHERRY	05:30z 05Sep2018	4.02m
CUDDALORE	05:31z 05Sep2018	3.48m
POOMBUHAR	05:33z 05Sep2018	3.55m
NAGAPATTINAM	05:35z 05Sep2018	3.50m
ENNORE	05:35z 05Sep2018	4.08m
MAHABALIPURAM	05:37z 05Sep2018	5.75m
KARAIKAL	05:37z 05Sep2018	3.77m
MALLIPATTINAM	05:38z 05Sep2018	3.88m
MUTHUPET	05:38z 05Sep2018	4.73m
CHENNAI	05:40z 05Sep2018	4.67m
MACHILIPATNAM	05:40z 05Sep2018	3.47m
SRIHARIKOTA	05:42z 05Sep2018	3.76m
NIJAMPATTANAM	05:42z 05Sep2018	3.50m
KAKINADA	05:43z 05Sep2018	3.72m
PERUPALEM	05:44z 05Sep2018	4.11m
KOTTAPATNAM	05:52z 05Sep2018	4.67m
KONADA	05:54z 05Sep2018	2.90m
VISAKHAPATNAM	05:54z 05Sep2018	3.68m
PURI	05:58z 05Sep2018	2.27m
KALINGAPATNAM	05:59z 05Sep2018	3.28m
RAMESWARAM	06:06z 05Sep2018	2.44m
KOTTTAIPPATTANAM	06:06z 05Sep2018	3.24m
GOPALPUR	06:07z 05Sep2018	3.95m
PARADIP	06:10z 05Sep2018	2.44m
TUTICORIN	06:10z 05Sep2018	3.16m
KOODANKULAM	06:17z 05Sep2018	3.73m
JAMBOO	06:19z 05Sep2018	2.10m
DHAMRA	06:35z 05Sep2018	1.89m
TRIVANDRUM	06:38z 05Sep2018	3.31m
ALLEPPEY ALAPPUZHA	06:42z 05Sep2018	2.51m
MINICOY	06:42z 05Sep2018	1.41m
KANYAKUMARI	06:43z 05Sep2018	4.07m
HEMNAGAR	06:44z 05Sep2018	1.64m
CHANDIPUR	06:52z 05Sep2018	2.03m
DIGHA	06:54z 05Sep2018	2.04m
NAMKHANA	06:57z 05Sep2018	1.89m
QUILON	06:58z 05Sep2018	2.58m

ANDROTH	07:21z	05Sep2018	1.29m
COCHIN	07:22z	05Sep2018	2.53m
VAKKAD	07:26z	05Sep2018	1.99m
KAVARATTI	07:27z	05Sep2018	1.34m
BEYPORE	07:39z	05Sep2018	2.26m
VADANAPPALLY	07:41z	05Sep2018	2.10m
AGATTI	07:46z	05Sep2018	1.29m
AMINI	07:55z	05Sep2018	1.28m
KANNUR	08:08z	05Sep2018	2.10m
MAHE	08:08z	05Sep2018	2.31m
KASARAGOD	08:20z	05Sep2018	2.14m
MANGALORE	08:32z	05Sep2018	1.99m
UDUPI	08:45z	05Sep2018	1.93m
VASCO	09:14z	05Sep2018	2.09m
PANAJI	09:15z	05Sep2018	1.93m
KARWAR	09:17z	05Sep2018	2.32m
MALVAN BAY	09:34z	05Sep2018	1.52m
JAIGARH	10:10z	05Sep2018	1.34m
ALIBAG PORT	10:55z	05Sep2018	1.37m
PORBANDAR	13:44z	05Sep2018	1.01m
MANGROL	14:12z	05Sep2018	1.24m
MANDVI	14:35z	05Sep2018	0.87m
HAZIRA, DIU	14:36z	05Sep2018	1.05m
DWARKA	14:45z	05Sep2018	1.35m
JAMNAGAR	14:45z	05Sep2018	1.06m
MUMBAI	15:22z	05Sep2018	0.99m
MAHUVA	15:53z	05Sep2018	0.67m
KHAMBAT	15:55z	05Sep2018	0.59m
TARAPUR	16:05z	05Sep2018	0.92m
PIPAVAV	16:17z	05Sep2018	0.85m
HAZIRA	16:38z	05Sep2018	0.55m
BORSI	16:40z	05Sep2018	0.59m
DAMAN	16:52z	05Sep2018	0.77m
BHARUCH	17:48z	05Sep2018	0.57m

INDONESIA

NAD SIMEULUE PULAU SIMEULUE	03:00z	05Sep2018	17.54m
SUMUT NIAS-SELATAN PULAU TANAHMASA	03:00z	05Sep2018	13.11m
SUMUT NIAS BAGIAN BARAT	03:00z	05Sep2018	18.40m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	03:00z	05Sep2018	17.48m
SUMUT NIAS-SELATAN PULAU NIAS	03:00z	05Sep2018	17.63m
SUMUT NIAS-SELATAN PULAU PINI	03:00z	05Sep2018	16.06m
SUMUT NIAS BAGIAN TIMUR	03:00z	05Sep2018	14.08m
SUMUT NIAS-SELATAN PULAU TANABALA	03:03z	05Sep2018	9.96m
NAD KOTA-SABANG PULAU RONDO	03:11z	05Sep2018	7.55m
NAD KOTA-SABANG PULAU WEH	03:13z	05Sep2018	18.07m
NAD ACEH-SELATAN BAGIAN UTARA	03:14z	05Sep2018	19.40m
NAD ACEH-BESAR PULAU PENAS	03:17z	05Sep2018	33.35m
NAD ACEH-JAYA	03:18z	05Sep2018	30.14m
NAD ACEH-BESAR BAGIAN BARAT	03:18z	05Sep2018	45.23m
NAD NAGAN-RAYA	03:18z	05Sep2018	17.42m
NAD ACEH-BESAR PULAU BREUEH	03:19z	05Sep2018	17.44m
SUMBAR KEPULAUAN-MENTAWAI P. SIBERUT	03:20z	05Sep2018	2.71m
NAD KOTA-BANDA-ACEH	03:22z	05Sep2018	25.31m
NAD ACEH-BARAT	03:24z	05Sep2018	26.66m
NAD ACEH-BESAR BAGIAN UTARA	03:25z	05Sep2018	13.00m
NAD ACEH-BARAT-DAYA	03:27z	05Sep2018	28.68m
NAD PIDIE	03:32z	05Sep2018	15.65m
SUMUT TAPANULI-TENGAH KEP. MURSALA	03:34z	05Sep2018	12.39m
NAD ACEH-SELATAN BAGIAN SELATAN	03:34z	05Sep2018	39.20m
NAD ACEH-SINGKIL	03:35z	05Sep2018	24.13m
SUMUT TAPANULI-TENGAH BAGIAN UTARA	03:35z	05Sep2018	17.96m
SUMBAR KEPULAUAN-MENTAWAI PULAU SIPORA	03:37z	05Sep2018	2.59m
SUMUT TAPANULI-TENGAH BAGIAN SELATAN	03:47z	05Sep2018	17.82m
NAD BIREUEN	03:48z	05Sep2018	7.16m
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	03:48z	05Sep2018	1.88m

SUMUT TAPANULI-SELATAN	03:48z 05Sep2018	16.67m
SUMUT MANDAILING-NATAL BAGIAN UTARA	03:51z 05Sep2018	19.71m
NAD ACEH-UTARA BAGIAN BARAT	03:53z 05Sep2018	9.18m
NAD KOTA-LHOKSEUMAWA	03:58z 05Sep2018	9.13m
SUMBAR KOTA-PADANG BAGIAN SELATAN	04:00z 05Sep2018	8.69m
SUMBAR PASAMAN-BARAT	04:02z 05Sep2018	14.77m
SUMBAR PADANG-PARIAMAN BAGIAN SELATAN	04:07z 05Sep2018	4.23m
SUMBAR AGAM	04:07z 05Sep2018	9.84m
SUMBAR KOTA-PADANG BAGIAN UTARA	04:07z 05Sep2018	5.88m
SUMBAR KOTA-PARIAMAN	04:09z 05Sep2018	5.12m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	04:09z 05Sep2018	20.40m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	04:12z 05Sep2018	5.19m
NAD ACEH-UTARA BAGIAN TIMUR	04:15z 05Sep2018	12.26m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	04:16z 05Sep2018	2.25m
SUMUT KOTA-SIBOLGA	04:20z 05Sep2018	20.76m
SUMBAR PESISIR-SELATAN BAGIAN UTARA	04:31z 05Sep2018	3.69m
SUMBAR PESISIR-SELATAN BAGIAN SELATAN	04:36z 05Sep2018	3.75m
BENGKULU KAUR	04:37z 05Sep2018	2.16m
BENGKULU MUKOMUKO	04:39z 05Sep2018	4.49m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	04:40z 05Sep2018	2.20m
BENGKULU SELUMA	04:40z 05Sep2018	5.19m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	04:41z 05Sep2018	4.50m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	04:41z 05Sep2018	2.17m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	04:42z 05Sep2018	2.28m
BENGKULU BENGKULU-SELATAN	04:46z 05Sep2018	4.83m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	04:48z 05Sep2018	8.00m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	04:50z 05Sep2018	5.85m
BANTEN PANDEGLANG PULAU PANAITAN	04:51z 05Sep2018	1.54m
BANTEN LEBAK	05:04z 05Sep2018	1.74m
LAMPUNG TANGGAMUS BAGIAN TIMUR	05:06z 05Sep2018	2.32m
LAMPUNG LAMPUNG-SELATAN KEP. LEGUNDI	05:07z 05Sep2018	2.26m
JABAR SUKABUMI PELABUHAN-RATU	05:08z 05Sep2018	2.30m
LAMPUNG TANGGAMUS BAGIAN BARAT	05:11z 05Sep2018	4.60m
LAMPUNG TANGGAMUS PULAU TABUAN	05:12z 05Sep2018	2.71m
LAMPUNG LAMPUNG-SELATAN KEP. KRAKATAU	05:13z 05Sep2018	2.36m
JABAR SUKABUMI UJUNG-GENTENG	05:15z 05Sep2018	1.39m
LAMPUNG LAMPUNG-SELATAN KEP. SEBUKU	05:20z 05Sep2018	3.00m
JABAR CIANJUR SINDANGBARANG	05:26z 05Sep2018	1.18m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	05:52z 05Sep2018	1.25m
NAD ACEH-TIMUR	05:56z 05Sep2018	6.36m
NAD KOTA-LANGSA	05:59z 05Sep2018	6.98m
NAD ACEH-TAMIAN	06:00z 05Sep2018	6.63m
DIY BANTUL	06:00z 05Sep2018	1.84m
JATENG WONOGIRI	06:03z 05Sep2018	1.16m
DIY GUNUNG-KIDUL	06:03z 05Sep2018	1.48m
JABAR CIAMIS	06:04z 05Sep2018	1.58m
DIY KULON-PROGO	06:04z 05Sep2018	1.64m
BANTEN SERANG BAGIAN BARAT	06:05z 05Sep2018	1.78m
JATENG PURWOREJO	06:08z 05Sep2018	2.29m
JATENG KEBUMEN	06:09z 05Sep2018	2.38m
JATENG CILACAP	06:15z 05Sep2018	2.25m
LAMPUNG LAMPUNG-SELATAN KALIANDA	06:16z 05Sep2018	2.60m
JATIM TULUNGAGUNG	06:17z 05Sep2018	1.06m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI PANJANG	06:23z 05Sep2018	3.97m
JATIM BLITAR	06:24z 05Sep2018	1.43m
BANTEN KOTA-CILEGON	06:32z 05Sep2018	2.18m
JATIM JEMBER PULAU NUSABARUNG	06:38z 05Sep2018	1.57m
JABAR TASIKMALAYA	06:38z 05Sep2018	1.83m
SUMUT LANGKAT	06:59z 05Sep2018	5.27m
SUMUT KOTA-MEDAN	07:24z 05Sep2018	6.16m
SUMUT DELISERDANG	07:26z 05Sep2018	4.60m
BALI JEMBRANA	07:37z 05Sep2018	2.14m
SUMUT SERDANG-BEDAGAI	07:54z 05Sep2018	4.77m
SUMUT ASAHAN	08:24z 05Sep2018	3.34m
BANTEN KOTA-CILEGON PULAU SANGIA	08:56z 05Sep2018	1.25m
SUMUT LABUHANBATU	09:56z 05Sep2018	1.92m
JATIM PACITAN	10:00z 05Sep2018	1.62m
LAMPUNG LAMPUNG-SELATAN BAGIAN BARAT	10:01z 05Sep2018	2.34m

BANTEN PANDEGLANG BAGIAN SELATAN	11:08z	05Sep2018	1.96m
NTB SUMBAWA BAGIAN SELATAN	11:30z	05Sep2018	0.87m
NTB DOMPU BAGIAN SELATAN	11:42z	05Sep2018	1.97m
NTT KEPULAUAN MANGGARAI-BARAT	11:57z	05Sep2018	1.38m
BANTEN PANDEGLANG BAGIAN UTARA	12:04z	05Sep2018	1.60m
NTT NGADA BAGIAN SELATAN	12:27z	05Sep2018	0.74m
JATIM JEMBER	12:32z	05Sep2018	1.60m
RIAU ROKAN-HILIR	12:37z	05Sep2018	1.90m
NTT FLORES-TIMUR PULAU ADONARA	12:46z	05Sep2018	0.57m
BALI DENPASAR PANTAI-SANUR	12:50z	05Sep2018	1.41m
BALI TABANAN	12:53z	05Sep2018	1.43m
JATIM TRENGGALEK	13:09z	05Sep2018	1.59m
RIAU BENGKALIS	13:12z	05Sep2018	1.28m
JABAR GARUT	13:14z	05Sep2018	1.21m
NTT MANGGARAI-BARAT BAGIAN SELATAN	13:26z	05Sep2018	1.20m
NTT MANGGARAI BAGIAN SELATAN	13:33z	05Sep2018	0.69m
JATIM MALANG	13:39z	05Sep2018	1.12m
NTB LOMBOK-TIMUR BAGIAN SELATAN	13:42z	05Sep2018	1.22m
BALI BADUNG PANTAI-KUTA	13:43z	05Sep2018	1.49m
NTB SUMBAWA BAGIAN BARAT	13:47z	05Sep2018	0.88m
JATIM LUMAJANG	13:48z	05Sep2018	1.35m
NTB LOMBOK-TENGAH	13:51z	05Sep2018	1.22m
JATIM BANYUWANGI BAGIAN SELATAN	13:58z	05Sep2018	1.21m
BALI KARANG-ASEM BAGIAN SELATAN	13:59z	05Sep2018	0.93m
NTB KOTA-MATARAM	14:02z	05Sep2018	1.00m
NTB LOMBOK-TIMUR BAGIAN TIMUR	14:09z	05Sep2018	1.28m
NTB LOMBOK-BARAT BAGIAN SELATAN	14:10z	05Sep2018	0.90m
JATIM BANYUWANGI BAGIAN TIMUR	14:19z	05Sep2018	1.00m
BALI KLUNGKUNG	14:40z	05Sep2018	0.99m
BALI GIANYAR	15:26z	05Sep2018	1.33m
NTT SUMBA BAGIAN TIMUR	15:28z	05Sep2018	0.99m
NTT LEMBATA BAGIAN SELATAN	15:37z	05Sep2018	0.64m
NTT SUMBA BAGIAN BARAT	15:41z	05Sep2018	1.17m
NTB BIMA PULAU GILI	15:57z	05Sep2018	0.77m
NTT FLORES-TIMUR PULAU SOLOR	16:08z	05Sep2018	0.57m
NTT ALOR BAGIAN SELATAN	16:08z	05Sep2018	0.60m
BALI KLUNGKUNG PULAU NUSAPENIDA	16:21z	05Sep2018	0.98m
NTT KUPANG	16:27z	05Sep2018	0.58m
NTT ENDE BAGIAN SELATAN	16:35z	05Sep2018	0.83m
NTT SIKKA BAGIAN SELATAN	16:36z	05Sep2018	0.55m
NTB KOTA-BIMA BAGIAN SELATAN	17:21z	05Sep2018	1.00m

IRAN

PUSHT	10:53z	05Sep2018	1.11m
BIR	11:05z	05Sep2018	0.81m
MISKI	12:55z	05Sep2018	0.71m

KENYA

KIWAYU	11:32z	05Sep2018	2.63m
KIPINI	11:47z	05Sep2018	1.94m
TAKAUNGU	11:50z	05Sep2018	1.79m
MALINDI	11:54z	05Sep2018	2.19m
MVULENI	11:57z	05Sep2018	1.99m
KISIMACHANDE	11:59z	05Sep2018	1.67m

MADAGASCAR

VOHEMAR	10:41z	05Sep2018	2.13m
ANOROTSANGANA	10:42z	05Sep2018	1.84m
TOAMASINA AIRPORT	10:55z	05Sep2018	1.74m
TAMPOLO	10:55z	05Sep2018	3.85m
FARAFAGANA	11:12z	05Sep2018	4.48m
AMBAHY	11:13z	05Sep2018	3.38m

MANANTENINA	11:45z	05Sep2018	3.07m
SAMPONA	12:24z	05Sep2018	2.82m
EUROPA ISLAND	12:52z	05Sep2018	0.90m
AMBANJA	13:30z	05Sep2018	0.86m
MANJA	13:35z	05Sep2018	0.74m
GLORIOSO ISLANDS	14:59z	05Sep2018	0.96m
BALY	16:56z	05Sep2018	0.79m
ANDROKA	17:08z	05Sep2018	0.68m
TAMOTAMO	17:25z	05Sep2018	0.52m

MALAYSIA

SATUN	06:12z	05Sep2018	3.72m
YAN	06:13z	05Sep2018	3.57m
WEST OF ALOR SETAR	06:40z	05Sep2018	3.49m
SEBERANG PERAI UTARA AND BARAT DAYA	06:44z	05Sep2018	4.99m
SEBERANG PERAI SELATAN	06:45z	05Sep2018	4.21m
KUALA MUDA	06:49z	05Sep2018	2.81m
KERIAN	07:06z	05Sep2018	4.34m
LARUT AND MATANG	07:15z	05Sep2018	3.95m
MANJUNG	07:23z	05Sep2018	3.57m
HILIR PERAK	08:01z	05Sep2018	2.44m
SABAK BERNAM	08:48z	05Sep2018	2.43m
KUALA SELANGOR	10:38z	05Sep2018	1.56m
KUALA LANGAT	11:27z	05Sep2018	1.08m
SEPANG	13:20z	05Sep2018	0.96m
PORT DICKSON	14:07z	05Sep2018	0.77m
ALOR GAJAH	16:21z	05Sep2018	0.54m
JASIN	17:06z	05Sep2018	0.54m

MALDIVES

KULHUDUFFUSHI	06:15z	05Sep2018	4.38m
MALE	06:16z	05Sep2018	3.55m
KOLHUFUSHI	06:16z	05Sep2018	3.60m
THINADHOO	06:17z	05Sep2018	4.61m
DHIYAMIGILI	06:20z	05Sep2018	4.84m
HITHADHOO	06:21z	05Sep2018	5.24m
GOIDHOO	06:28z	05Sep2018	2.79m
NILANDHOO	06:40z	05Sep2018	3.40m
FERIDHOO	06:54z	05Sep2018	2.43m

MAURITIUS

LA FERME	08:49z	05Sep2018	3.96m
CARGADOS CARAJOS	09:22z	05Sep2018	5.32m
AGALEGA ISLAND	09:33z	05Sep2018	1.70m
GRANDE REVIERE SUD EST-EAST	09:37z	05Sep2018	3.00m
GRANDE REVIERE SUD EST-WEST	09:49z	05Sep2018	2.04m

MOZAMBIQUE

MAGANJA	12:08z	05Sep2018	1.64m
QUITERAJO	12:08z	05Sep2018	1.18m
TAVARI	12:10z	05Sep2018	0.91m
PEMBA	12:11z	05Sep2018	1.17m
MERONVI	12:14z	05Sep2018	1.32m
MECUFI	12:16z	05Sep2018	1.32m
MURREBUE	12:17z	05Sep2018	0.70m
NANGATA	12:17z	05Sep2018	1.93m
LURIO	12:18z	05Sep2018	1.28m
LUMBO	12:19z	05Sep2018	0.94m
MINHAUINE	12:22z	05Sep2018	4.12m
MOGINCUAL	12:30z	05Sep2018	0.86m

INHARRIME	13:21z	05Sep2018	1.02m
POMENE	13:35z	05Sep2018	1.12m
VILANKULO	13:39z	05Sep2018	0.94m
MAGUEMBA	13:44z	05Sep2018	1.03m
ZAVALA	13:54z	05Sep2018	1.61m
INHASSORO	13:56z	05Sep2018	0.60m
MAPUTO	14:00z	05Sep2018	1.49m
NAMORRE	14:01z	05Sep2018	0.85m
XAI-XAI	14:02z	05Sep2018	1.36m
OCONE	14:04z	05Sep2018	0.77m
AMADE	14:10z	05Sep2018	0.61m
MALUANA	14:10z	05Sep2018	1.05m
VILA DO CHINDE	14:34z	05Sep2018	0.95m
NHANGAU	14:41z	05Sep2018	0.54m
MAIONGUE	14:54z	05Sep2018	1.20m
NOVA LUSITANIA	16:12z	05Sep2018	0.54m
MOEBASE	17:16z	05Sep2018	0.56m

MYANMAR

LORD LOUGHBOROUGH ISLAND	04:45z	05Sep2018	3.73m
THAN KYUN	04:55z	05Sep2018	5.18m
LITTLE COCO ISLAND	05:01z	05Sep2018	1.92m
PREPARIS ISLAND	05:13z	05Sep2018	2.65m
PHARPON	06:07z	05Sep2018	1.52m
KYAUKPYU	06:08z	05Sep2018	2.56m
THAWINCHAUNG	06:12z	05Sep2018	1.68m
SITTWE	06:17z	05Sep2018	2.11m
MAGYIGYAING	06:26z	05Sep2018	3.39m
MAWYEN	06:27z	05Sep2018	2.40m
GREAT WESTERN TORRES ISLAND	06:35z	05Sep2018	2.57m
YE	06:36z	05Sep2018	1.63m
YANGON-S	06:36z	05Sep2018	1.17m
CHEDUBA ISLAND	06:38z	05Sep2018	2.32m
MALI KYUN	06:59z	05Sep2018	1.98m
KYWEGYAUNG	07:42z	05Sep2018	2.16m

OMAN

MASIRAH	10:07z	05Sep2018	0.95m
HASIK	10:10z	05Sep2018	1.55m
MIRBAT	10:17z	05Sep2018	2.10m
TAQAH	10:21z	05Sep2018	2.25m
AL JAZER	10:22z	05Sep2018	1.64m
RAS AR RUWAYS	10:25z	05Sep2018	1.51m
AD DUQM	10:28z	05Sep2018	1.58m
SALALAH	10:31z	05Sep2018	2.24m
SOHAR	11:33z	05Sep2018	0.72m
AL ASHKHARAH	11:42z	05Sep2018	1.44m
AL KHABURAH	11:49z	05Sep2018	0.57m
EAST MUSANDAM	12:03z	05Sep2018	0.94m
SUR	12:35z	05Sep2018	0.87m
MUSCAT	15:41z	05Sep2018	0.56m
QURAYYAT	16:08z	05Sep2018	0.82m
BARKA	16:11z	05Sep2018	0.52m

PAKISTAN

ORMARA	14:08z	05Sep2018	1.14m
WINDER	15:00z	05Sep2018	1.00m
SINDH	15:01z	05Sep2018	1.09m
KARACHI	15:07z	05Sep2018	1.49m

SEYCHELLES

COETIVY ISLAND	09:27z	05Sep2018	3.30m
ILE DESROCHES	09:51z	05Sep2018	2.03m
FREGATE ISLAND	09:56z	05Sep2018	4.14m
ALPHONSE ISLAND	10:02z	05Sep2018	1.26m
FARQUHAR GROUP	10:17z	05Sep2018	1.66m
TAKAMAKA	10:24z	05Sep2018	4.52m
ASTOVE ISLAND	10:50z	05Sep2018	0.87m
ALDABRA	11:00z	05Sep2018	1.76m

SOMALIA

BANDER-BEYLA	10:18z	05Sep2018	3.54m
EYL	10:19z	05Sep2018	4.02m
JARIIBAN	10:25z	05Sep2018	4.01m
GALDOGOB	10:32z	05Sep2018	3.66m
CEEL DHEER	10:32z	05Sep2018	3.09m
MAREEG	10:34z	05Sep2018	2.42m
ITALA	10:34z	05Sep2018	2.39m
TOOXIN	10:39z	05Sep2018	3.15m
XARARDHEERE	10:39z	05Sep2018	3.46m
UARSICIECH	10:43z	05Sep2018	2.67m
MUQDISHO	10:44z	05Sep2018	2.81m
BEYNAX BARRE	10:57z	05Sep2018	2.26m
BARAAWE	10:58z	05Sep2018	2.13m
ABO	11:00z	05Sep2018	3.08m
JILIB	11:05z	05Sep2018	2.19m
TURDHO	11:07z	05Sep2018	2.24m
NE BEERNAASI	11:15z	05Sep2018	2.33m
KAAMBOONI	11:19z	05Sep2018	2.17m
BAKI	12:43z	05Sep2018	0.58m
SAYLAC	12:50z	05Sep2018	0.92m
LOYADO	12:56z	05Sep2018	1.00m
QANDALA	14:35z	05Sep2018	1.15m
HADAAFTIMO	14:37z	05Sep2018	0.68m
KABURA	17:05z	05Sep2018	0.83m
MAYDH	17:13z	05Sep2018	0.55m

SOUTH AFRICA

GWABALANDA HITAWI	13:41z	05Sep2018	1.43m
LAKE SIBAYI	13:43z	05Sep2018	1.39m
PORT DURNFORD	13:43z	05Sep2018	1.18m
KOSIMEER	13:45z	05Sep2018	1.33m
FUNK SEAMOUNT	13:51z	05Sep2018	2.04m
MARGATE	13:57z	05Sep2018	1.54m
BIZANA	13:57z	05Sep2018	1.73m
MANDI	13:58z	05Sep2018	1.27m
KELSO	13:59z	05Sep2018	1.63m
LUSIKISIKI	13:59z	05Sep2018	1.68m
ABORETUM	13:59z	05Sep2018	2.16m
PORT ST JOHNS	14:05z	05Sep2018	1.82m
NGQUELENI	14:09z	05Sep2018	1.97m
ELLIOTDALE	14:12z	05Sep2018	1.83m
WILLOWVALE	14:16z	05Sep2018	2.35m
KENTANI	14:19z	05Sep2018	1.85m
MARSHSTRAND	14:26z	05Sep2018	4.02m
KAYSERS BEACH	14:27z	05Sep2018	3.58m
ZIKHOVA	14:29z	05Sep2018	2.05m
PEDDIE	14:34z	05Sep2018	2.26m
BATHURST	14:45z	05Sep2018	3.16m
ALEXANDRIA	14:47z	05Sep2018	1.93m
PORT ELIZABETH	15:01z	05Sep2018	1.79m
GAMTOOS	15:07z	05Sep2018	1.62m
HANKEY	15:40z	05Sep2018	1.37m
HUMANSDORP	15:52z	05Sep2018	1.35m

IOC Technical Series, 138 (I) Supplement 2
page 414

GEORGE	15:59z	05Sep2018	1.50m
MOSSEL	16:11z	05Sep2018	1.61m
HEIDELBERG	16:29z	05Sep2018	1.05m
WITAAND	16:33z	05Sep2018	1.53m
BREDASDORP	16:41z	05Sep2018	1.07m

SRI LANKA

AKKARAI PATTU	04:52z	05Sep2018	4.79m
KIRINDA	04:53z	05Sep2018	6.03m
BATTICALOA	04:54z	05Sep2018	5.97m
OKANDA	04:58z	05Sep2018	9.12m
POTTUVIL	05:00z	05Sep2018	10.06m
KATTANKUDI	05:00z	05Sep2018	4.44m
ANAITIVU	05:01z	05Sep2018	1.56m
PANKULAM	05:01z	05Sep2018	3.60m
TANGALLE	05:04z	05Sep2018	4.25m
MATARA	05:06z	05Sep2018	4.68m
MULLAITTIVU	05:08z	05Sep2018	5.27m
HAMBANTOTA	05:09z	05Sep2018	8.14m
GALLE	05:17z	05Sep2018	6.63m
CHUNDI KULAM	05:24z	05Sep2018	4.27m
AMBALANGODA	05:26z	05Sep2018	4.09m
BERUWALA	05:29z	05Sep2018	3.71m
COLOMBO	05:29z	05Sep2018	2.74m
CHAVAKACHCHERI	05:32z	05Sep2018	5.05m
MORATUWA	05:33z	05Sep2018	4.59m
POINT PEDRO	05:37z	05Sep2018	3.92m
NEGOMBO	05:45z	05Sep2018	2.72m
MUNDAL LAKE	05:47z	05Sep2018	2.58m
MANNAR ISLAND	05:55z	05Sep2018	2.24m
MUSALI	06:07z	05Sep2018	2.07m

TANZANIA

VUMBA	11:43z	05Sep2018	1.27m
VUMBI	11:44z	05Sep2018	1.76m
ZANZIBAR	11:49z	05Sep2018	1.19m
JIMBO	11:51z	05Sep2018	1.33m
GAZIJA	11:53z	05Sep2018	1.81m
KUTANI	11:55z	05Sep2018	1.56m
SONGO SONGO ISLAND	11:58z	05Sep2018	1.32m
MADANGWA	12:00z	05Sep2018	2.25m
RUUVU	12:02z	05Sep2018	1.79m
MSASANI	12:02z	05Sep2018	2.00m
BOMALANDNI	12:06z	05Sep2018	0.98m
WEST TO KONDE	12:10z	05Sep2018	1.14m
BAGAMOYO	12:43z	05Sep2018	1.31m

THAILAND

KO RACHA NOI	04:25z	05Sep2018	9.04m
KOH SURIN TAI	04:47z	05Sep2018	6.22m
THAI MUEANG	04:55z	05Sep2018	7.03m
THAI MUEANG TAKUA PA	05:06z	05Sep2018	8.50m
KOH ROK	05:06z	05Sep2018	4.22m
KOH LANTA YAI	05:07z	05Sep2018	4.92m
MUEANG SATUN	05:53z	05Sep2018	5.39m
KOH TARUTAO	06:20z	05Sep2018	7.29m

UNITED ARAB EMIRATES

KALBA	11:46z	05Sep2018	0.65m
-------	--------	-----------	-------

UNITED KINGDOM

DIEGO GARCIA	06:48z 05Sep2018	9.40m
MORESBY ISLAND	06:55z 05Sep2018	5.94m
NW EGMONT ISLAND	07:05z 05Sep2018	5.36m

YEMEN

SOCOTRA ISLAND SOUTH	10:02z 05Sep2018	3.91m
DAMQAWT	10:33z 05Sep2018	2.96m
SOCOTRA ISLAND WEST	10:43z 05Sep2018	1.62m
AL GHAYDAH AIRPORT	10:45z 05Sep2018	2.67m
HUSWAYN	10:50z 05Sep2018	3.64m
ALQUMRAH	10:56z 05Sep2018	2.95m
MASILAH WADI	11:00z 05Sep2018	2.05m
EAST TO HAMI	11:09z 05Sep2018	1.26m
SOCOTRA ISLAND NORTH	11:09z 05Sep2018	2.33m
HARRAH	11:10z 05Sep2018	1.51m
HAMI	11:28z 05Sep2018	1.48m
AL MUKALLA	11:30z 05Sep2018	2.06m
AHWAR	11:58z 05Sep2018	0.70m
KHANFAR	12:26z 05Sep2018	0.92m
ADEN	12:28z 05Sep2018	1.52m
MAALLAH	12:31z 05Sep2018	1.09m
QAWAH	13:04z 05Sep2018	0.85m
AL MUALLA	13:06z 05Sep2018	1.02m
RUDUM	14:00z 05Sep2018	0.89m
BROM MAYFA	14:25z 05Sep2018	0.82m

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 13

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-20180905-1500-013

TSUNAMI BULLETIN NUMBER 13 (TYPE-IV FINAL BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 1500 UTC, Wednesday, 05 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 : 9.3 Mw
Depth : 10km
Date : 05 Sep 2018
Origin Time: 03:00:00 UTC
Latitude : 3.30N
Longitude : 96.00E
Location : Northern Sumatra, Indonesia

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
Sabang	INDONESIA	5.83N	95.33E	8.00	3:25	Sep 05, 2018
Meulaboh	INDONESIA	4.12N	96.13E	8.00	3:40	Sep 05, 2018
Telukdalam	INDONESIA	5.83N	95.33E	6.00	3:45	Sep 05, 2018
Tanah Bala	INDONESIA	0.53S	98.50E	3.50	4:10	Sep 05, 2018
Sibolga	INDONESIA	1.73N	98.80E	4.00	4:40	Sep 05, 2018
Cocos_Island	AUSTRALIA	12.11S	96.89E	2.11	4:45	Sep 05, 2018
Ko_Taphao_Noi	THAILAND	7.81N	98.41E	2.48	4:48	Sep 05, 2018
Port_Blair	INDIA	11.68N	92.76E	1.10	4:59	Sep 05, 2018
Christmas_Island_AU	AUSTRALIA	10.42S	105.66E	0.75	5:01	Sep 05, 2018
Nancowry	INDIA	8.05N	93.55E	5.35	5:17	Sep 05, 2018
Padang	INDONESIA	0.95S	100.36E	2.00	5:35	Sep 05, 2018
Trincomalee	SRI LANKA	8.56N	81.19E	1.36	5:37	Sep 05, 2018
Langkawi	MALAYSIA	6.41N	99.76E	2.58	6:07	Sep 05, 2018
Pangandaran	INDONESIA	7.74S	108.50E	0.60	6:35	Sep 05, 2018
Cilacap	INDONESIA	7.75S	109.00E	0.50	6:38	Sep 05, 2018
Sadeng	INDONESIA	8.19S	110.79E	0.50	6:40	Sep 05, 2018
Haing Gyi Kyun	MYANMAR	16.00N	94.31E	1.50	6:45	Sep 05, 2018
Gan	MALDIVES	0.68S	73.15E	2.00	6:45	Sep 05, 2018
Male	MALDIVES	4.19N	73.52E	1.45	6:54	Sep 05, 2018
Diego_Garcia	UK	7.23S	72.43E	1.53	6:56	Sep 05, 2018
Minicoy	INDIA	8.28N	73.05E	0.32	7:11	Sep 05, 2018
Penang	MALAYSIA	5.45N	100.18E	3.00	7:15	Sep 05, 2018

Muncar	INDONESIA	8.44S	114.35E	0.30	7:40	Sep 05, 2018
Cape_Cuvier_Wharf	AUSTRALIA	24.22S	113.39E	3.00	8:05	Sep 05, 2018
Waikelo	INDONESIA	9.38S	119.21E	0.20	8:10	Sep 05, 2018
Rodrigues	MAURITIUS	19.68S	63.42E	1.60	9:10	Sep 05, 2018
Pt_Louis	MAURITIUS	20.15S	57.50E	3.35	9:55	Sep 05, 2018
Chennai	INDIA	13.10N	80.30E	3.14	10:03	Sep 05, 2018
Sainte_Marie	REUNION ISLA	20.89S	55.53E	3.85	10:07	Sep 05, 2018
Ormara	PAKISTAN	25.20N	64.67E	0.38	10:48	Sep 05, 2018
Chabahar	IRAN	25.29N	60.60E	0.40	11:11	Sep 05, 2018
Cochin	INDIA	9.96N	76.26E	1.17	11:12	Sep 05, 2018
Toamasina	MADAGASCAR	18.15S	49.42E	0.76	11:13	Sep 05, 2018
Muscat	OMAN	23.63N	58.56E	0.29	11:20	Sep 05, 2018
Hillarys_Harbor	AUSTRALIA	31.82S	115.73E	4.70	11:23	Sep 05, 2018
Salalah	OMAN	16.93N	54.00E	0.74	12:19	Sep 05, 2018
Broome	AUSTRALIA	18.00S	122.21E	4.21	12:58	Sep 05, 2018
Esperance	AUSTRALIA	33.87S	121.89E	0.86	12:59	Sep 05, 2018
Mombasa	KENYA	4.06S	39.65E	0.45	13:08	Sep 05, 2018
Visakhapatnam	INDIA	17.68N	83.28E	1.80	13:32	Sep 05, 2018
Sittwe	MYANMAR	20.15N	92.90E	1.37	13:56	Sep 05, 2018
Colombo	SRI LANKA	6.95N	79.85E	1.04	14:13	Sep 05, 2018
Pt_LaRue	SEYCHELLES	4.50S	55.50E	4.25	14:36	Sep 05, 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/>

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

6. CONTACT INFORMATION

IOTWS-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