



Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS)

Working Group 2 on Tsunami Detection, Warning and Dissemination

Report on the IOTWMS Communications Test 09 June 2021

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1 PURPOSE

To report on the IOTWMS Communications Test conducted on 09 June 2021.

2 BACKGROUND

Working Group 2 (WG2) of the Intergovernmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS), at its meeting in Hyderabad, India on 10-11 February 2011, decided that regular communications tests should be conducted between the Tsunami Service Providers (TSPs) and the National Tsunami Warning Centres (NTWCs) of the IOTWMS.

The objectives of the communications tests are to:

- a. Validate the TSP processes for disseminating tsunami bulletin notification messages to NTWCs.
- b. Validate the reception of the notification messages by NTWCs.
- c. Validate the access by NTWCs to TSP password-protected web sites containing bulletins, threat maps and tables of predicted arrival times and maximum wave amplitudes in real time.
- d. Validate the reporting by NTWCs of national warning status information back to TSPs, via a web-based warning status report form.

Four tests were conducted in 2011, and two tests have been conducted each year between 2012 and 2019. In 2020 only one test was conducted as the second test would have occurred in close proximity to Exercise IOWave20. This is the report of the twenty second test held on 9 June 2021. The next test is scheduled for 8December2021. Below is the test schedule:

Test Number	Date	Status
1	16 March 2011	Conducted
2	15 June 2011	Conducted
3	14 September 2011	Conducted
4	14 December 2011	Conducted
5	13 June 2012	Conducted
6	12 December 2012	Conducted
7	12 June 2013	Conducted
8	11 December 2013	Conducted
9	11 June 2014	Conducted
10	10 December 2014	Conducted
11	10 June 2015	Conducted
12	9 December 2015	Conducted
13	8 June 2016	Conducted
14	14 December 2016	Conducted
15	14 June 2017	Conducted
16	13 December 2017	Conducted
17	13 June 2018	Conducted
18	12 December 2018	Conducted
19	12 June 2019	Conducted
20	11 December 2019	Conducted
21	10 June 2020	Conducted
22	9 June 2021	Conducted
23	8 December 2021	Planned

Notes:

- a. All test reports are available on the IOC website at <http://www.ioc-tsunami.org/>.
- b. In the 2011 tests TSPs issued 12 messages each within a 3-hour period. Since 2012 the TSPs have issued 4 messages each within a 45-minute period.
- c. In addition to the communication tests, five IOTWMS exercises have been conducted since 2011:
 - IOWave11 (12 October 2011)
 - IOWave14 (9-10 September 2014)
 - IOWave16 (7-8 September 2016)
 - IOWave18 (4-5 September 2018)
 - IOWave20 (6-20 October 2020)

3 TEST DETAILS

The details of the procedures used in the 9 June 2021 test are described in the document “IOTWMS Communications Test 9 June 2021 Technical Manual” distributed to NTWCs and TSPs by the ICG/IOTWMS Secretariat on 24 May 2021.

Test Earthquake Event Scenario:

Magnitude: 9.0Mwp
Depth: 10 km
Date: 9 June 2021
Origin Time: 06:00 UTC
Latitude: 6.94S
Longitude: 104.70E
Location: Sunda Strait, Indonesia

As in previous tests, each participating country was requested to complete a Communications Test Log during the test, recording the time and method of reception of test messages at the NTWC, the NTWC’s ability to access the TSP websites and TSP-Indonesia Warning Receiver System, and the time of the NTWC’s reporting of national warning status information. For the second time, the Test Log was available for completion online. The Test Logs are the primary source of information for this report and are now archived on the Alchemer online survey platform (previously named SurveyGismo).

4 TEST PARTICIPATION

Twenty-one (21) IOTWMS Member States participated in the test. This is slightly lower than the average participation rate of 22 Member States across the 22 tests conducted so far. The highest participation rate has been 26 participants and the lowest participation rate has been 17 participants.

The participants in this test were:

- TSPs - Australia, India, Indonesia
- NTWCs – Australia, Bangladesh, Comoros, France (Indian Ocean Territories), India, Indonesia, Kenya, Madagascar, Malaysia, Mauritius, Mozambique, Myanmar, Oman, Pakistan, Seychelles, Singapore, South Africa, Sri Lanka, Thailand, United Arab Emirates and Yemen.

Four active IOTWMS Member States did not participate in the communications test.

Table 1, Chart 1 and Chart 2 show the participation by Member States in all tests conducted so far.

Table 1: Log of Member State Participation in all Tests

Test	AUS	BAN	COM	FR	IN	IND	IR	KEN	MAD	MAL	MD	MAU	MZ	MM	OM	PK	SY	SIN	SA	SLK	TAN	THA	TL	UAE	UK	YEM	Total	
1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1			1	21	
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1			1	23	
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1			1	23	
4	1	1	0	1	1	1	0	1	1	1	0	1	1	1	1	0	1	1	0	1	1	1	1			1	19	
5	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1			1	21	
6	1	1	0	1	1	1	0	1	1	1	1	0	1	1	0	1	1	1	0	1	0	0	1			1	17	
7	1	1	0	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1			1	20	
8	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0			1	21	
9	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			1	23	
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			1	24	
11	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1			0	21	
12	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	0	1	1			0	20	
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0			1	23	
14	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0			1	21	
15	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0			1	22	
16	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	0			0	20	
17	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0			0	21	
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1			1	22	
19	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1		1	22	
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	26
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	26
22	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	0	1	0	1	1	21
Total	22	22	15	22	22	22	15	21	21	22	20	21	15	21	19	21	22	22	16	20	17	21	14	4	2	18	Av: 22	

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, IRA=Iran, KN=Kenya, MAD=Madagascar, MAL=Malaysia, MD=Maldives, MAU=Mauritius, MZ=Mozambique, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, TAN=Tanzania, THA=Thailand, TL=Timor-Leste, UAE=United Arab Emirates, UK=United Kingdom (Indian Ocean Territories), YEM=Yemen

1=Participated in test, 0=did not participate

Chart 1: Number of Tests Participated in by Member State

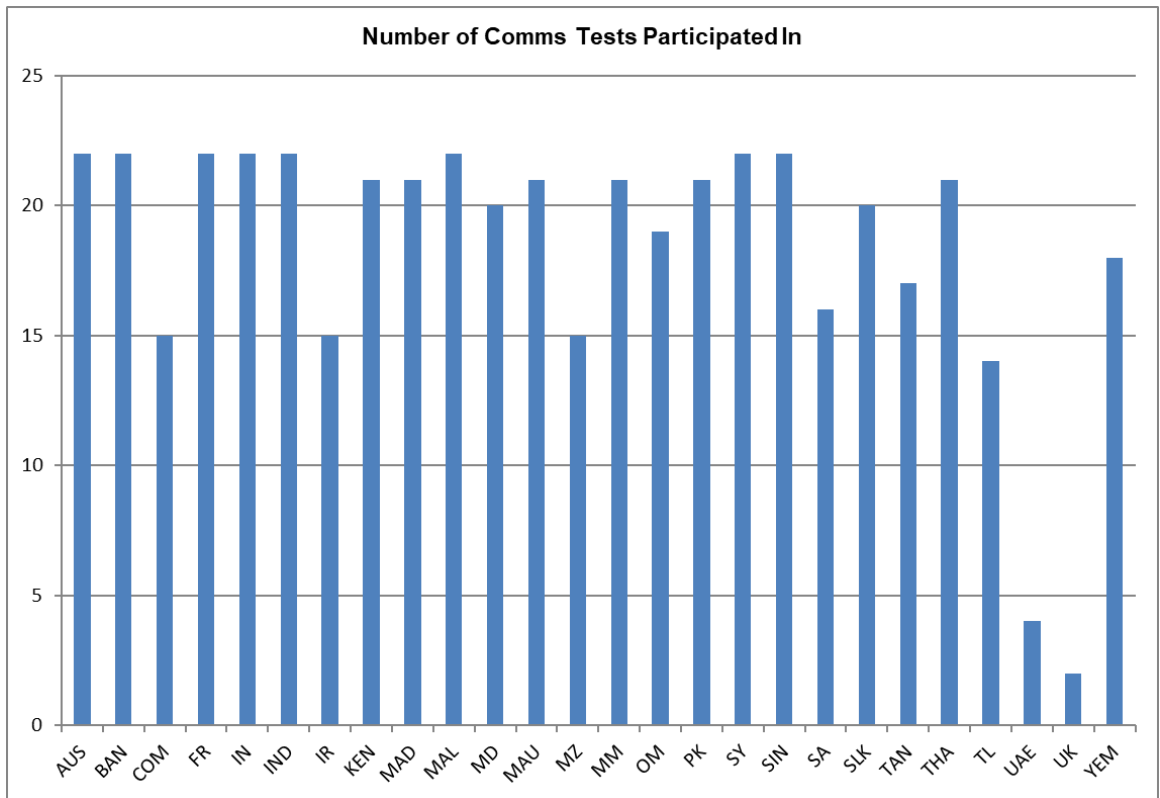
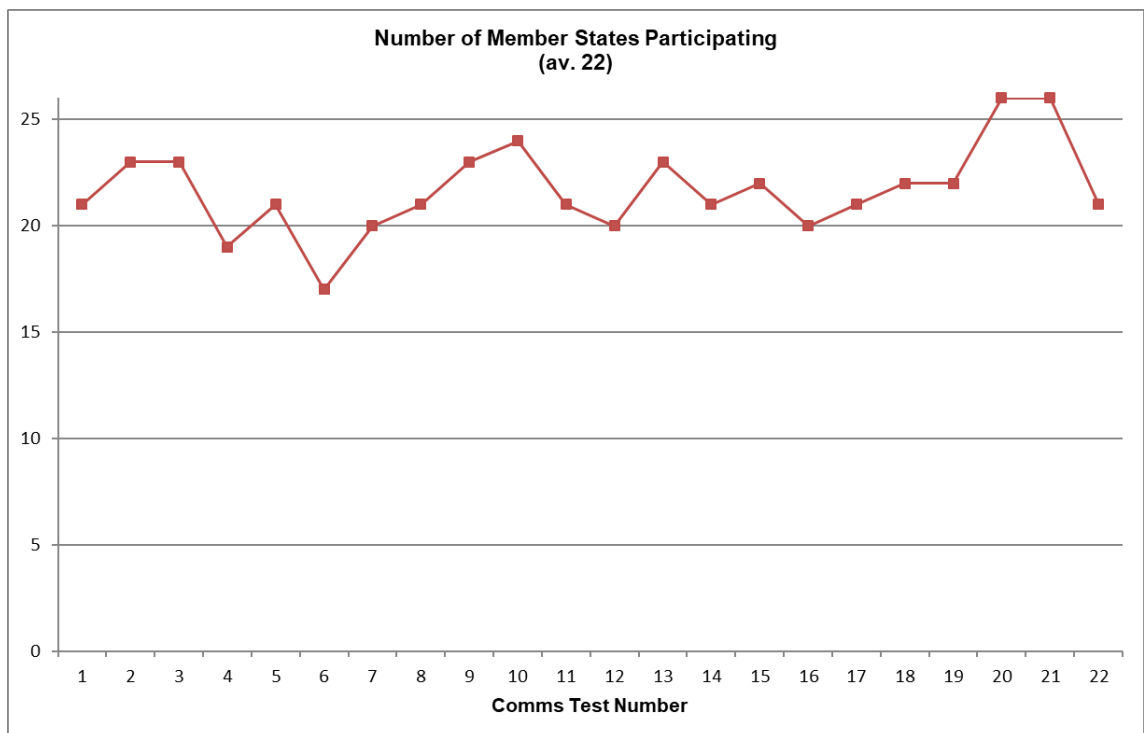


Chart 2: Number of Member States in Each Test



5 MESSAGE DISSEMINATION AND RECEPTION RESULTS

5.1 Message Dissemination

Dissemination Media: All TSPs issued their test messages via GTS, email, fax and SMS.

Issue Times: See Table 2 for the actual issue times of each TSP message compared to the scheduled issue times.

Table 2: TSP Test Message Issue Times (UTC)

TSP	Test Start 0600	Message 1 0605	Message 2 0615	Message 3 0630	Message 4 0645
Australia	06:00	06:05	06:15	06:30	06:45
India	06:00	06:06	06:17	06:30	06:44
Indonesia	06:00	06:05	06:15	06:30	06:45

Addresses: The NTWC fax, email and SMS addresses used by the TSPs were those contained in updates to the IOTWMS NTWC Contact Databases supplied to the TSPs by the ICG/IOTWMS Secretariat on 02 June2021.

All messages sent by the TSPs are given in Appendix H.

5.2 Message Reception

Refer to Appendices A, B, C and D for tables listing the arrival times of the GTS, fax, email and SMS messages received by each NTWC, as reported in their Test Logs. Also refer to Table 3 and Chart 3 for summary figures across all NTWCs.

5.2.1 GTS

The overall GTS reception rate was 77%, which was slightly higher than the past two tests.

Seventeen (17) of the 21 NTWCs received GTS messages. Bangladesh, Comoros, Madagascar and Yemen did not receive GTS messages from any TSP (noting that Madagascar have no GTS connection), while South Africa didn't receive any GTS messages from TSP Indonesia. Maldives not received first three messages from Indonesia. Maldives and Pakistan not received start-up message from TSP India. Maldives not received last message from TSP Australia. All other NTWCs, received GTS messages from all 3 TSPs.

GTS message delay times continued to be low in this test, with most messages received within 1-3 minutes of issuing. The longest delay was 55 minutes for most NTWCs to receive TSP Indonesia bulletin-1 notification message.

5.2.2 Fax

The overall fax reception rate was 21%, lowest ever from all communication tests.

Only Eleven (11) of the 21 NTWCs reported receiving fax messages, with TSP Australia's messages being received by 8 NTWCs, India's by 6 NTWCs and Indonesia's by 2 NTWCs.

Fax message delay times mostly varied between a few minutes and 15 minutes, with the longest delay being 178 minutes for a TSP Indonesia message received by Oman.

5.2.3 Email

The overall email reception rate in this test was 83%, which was higher than the past two tests. All 21 NTWCs received email notifications from at least one TSP. Emails from TSP Australia were received by 20 NTWCs, emails from TSP India were received by 19 NTWCs and TSP Indonesia were received by 16 NTWCs.

Email message delay times continue to be very low, with almost all email messages received within 1 to 3 minutes of the issue time. The longest delay was 55 minutes to Australia from TSP Indonesia.

5.2.4 SMS

The overall SMS message reception rate in this test was 60%, lower than the last 4 tests but close to the average rate.

In this test eighteen (18) of the 21 NTWCs received SMS messages, France, Pakistan and Sri Lanka did not receive SMS messages from any TSP. France (Indian Ocean Territories) does not wish to receive SMS messages.

TSP Australia's SMS messages were received by 16 of the 21 NTWCs, and TSP India's were received by 13 NTWCs and TSP Indonesia's were received by 12 NTWCs.

As with email, most SMS messages were received very quickly, typically within 1 to 3 minutes. The longest delay was 217 minutes for a message received by Comoros.

6 WEB ACCESS AND REPORTING RESULTS

Refer to Table 3 and Chart 4 for summary figures of web access and reporting across all NTWCs.

6.1 Web Access

Refer to Appendix E for a table of web accesses reported by each NTWC. In this test the web access overall success rate was 86%, up 7% from the 79% in the previous test and slightly higher than the average of around 83%. This is still under the highest-ever rate of 94%.

Twenty (20) of the 21 NTWCs were able to access at least one TSP website during the test, compared with 24 of 26 in the previous test. Yemen did not access any of the TSP websites.

6.2 Web Reporting

Refer to Appendix F for a table of NTWC web status reports lodged, as reported by the NTWCs. Also refer to Figures 1, 2a, 2b, 3a, 3b, 4a and 4b of Appendix F for snapshots of the TSP India and TSP Australia public NTWC Status Display webpages following transmission of each of the four test messages.

In this test, 13 of the 21 NTWCs reported that they lodged web status reports. This is a rate of 62%, up 6% from the 54% in the previous test and slightly higher than the average of around 59%, but well under the highest-ever rate of 77%.

6.3 TSP-Indonesia WRS Access

Refer to Appendix G for a table of TSP-Indonesia WRS accesses reported by each NTWC. In this test the TSP-Indonesia WRS access overall success rate was 71%.

Four (4) NTWCs did not report TSP-Indonesia WRS access. This is the first time that the TSP-Indonesia WRS was used in a Communications Test.

In general, NTWCs gave the positive feedback and could access the TSP-Indonesia WRS very well. Comoros reported of not having attempted access yet. Yemen reported difficulty accessing due to poor internet service quality.

7 RESULTS ASSESSED AGAINST OBJECTIVES

7.1 Validate TSP dissemination processes for tsunami bulletin notification messages

All three TSPs successfully issued their test messages according to the Test Timeline and via all four specified communications media: GTS, fax, email and SMS.

7.2 Validate reception of notification messages by NTWCs

- Email continues to be the most successful communications medium, with 83% of the TSP email messages being received by NTWCs in this test, and all NTWCs received email messages from at least one TSP.
- The GTS message reception at 77% was up on the previous test and remains the second-most successful delivery medium.
- The SMS message reception is steady at 60%, around the average for the previous few years but well below its highest-ever 80% figure for the IOWave18 exercise.
- The Fax message reception was lowest at 21% in this test, compared with all communication tests.

7.3 Validate access by NTWCs to TSP password-protected web sites

Web site access increased slightly to 86% in this test compared with 79% of the previous test, slightly higher than the long-term average of around 83% since 2011. Twenty (20) of the 21 NTWCs were able to access at least one TSP website.

7.4 Validate reporting by NTWCs of national warning status information

NTWC status report lodgement as reported by NTWCs is 62%, higher than the previous 4 communications tests and in line with the longer-term average

8 COMPARISON WITH PREVIOUS TESTS

The results of this test in comparison with previous tests are summarised in Table 3 and Charts 3 and 4 below. Twenty-one (21) IOTWMS Member States participated in this 22nd IOTWMS Communications Test, which is slightly lower than the participation average of 22 Member States. This test demonstrated the continuing strength of email as the primary TSP delivery mechanism for notifying NTWCs of bulletin updates, followed by GTS and SMS as the next most reliable mechanisms. The historically low fax reception rate of only 21% calls for a review of the validity of fax numbers and necessity of providing such delivery channel.

This is the first time that the TSP Indonesia's WRS system was tested. The feedback was mostly positive from all those 15 NTWCs who accessed the system, suggestion this could be a viable alternative or addition to the current four delivery channels of GTS, Email, SMS and fax.

On the TSP webpage access and national warning status reporting, this test showed improvement from the recent communications tests and above the respective longer-term averages.

Table 3: Test Results Comparison

Test Date:	16-Mar-11 (21 NTWCs)		15-Jun-11 (23 NTWCs)		14-Sep-11 (23 NTWCs)		14-Dec-11 (19 NTWCs)		13-Jun-12 (21 NTWCs)		12-Dec-12 (17 NTWCs)		12-Jun-13 (20 NTWCs)		11-Dec-13 (21 NTWCs)		11-Jun-14 (23 NTWCs)	
Originating TSP	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)
Received GTS Messages																		
Australia	43%	16	61%	47	70%	14	80%	28	66%	3	72%	7	59%	30	87%	15	74%	15
India	57%	5	70%	17	70%	26	80%	25	71%	7	70%	14	65%	40	81%	4	79%	10
Indonesia	5%	-	70%	12	52%	104	59%	37	39%	26	73%	15	63%	35	86%	24	76%	17
TSP Average	35%	11	67%	25	64%	48	73%	30	59%	12	72%	12	62%	35	84%	14	76%	14
Received Fax Messages																		
Australia	38%	165	26%	178	11%	2	85%	43	70%	49	66%	26	55%	47	66%	38	50%	99
India	29%	61	37%	91	52%	93	65%	35	54%	35	32%	32	37%	184	49%	32	43%	20
Indonesia	5%	107	24%	35	30%	43	25%	27	20%	20	18%	12	26%	19	19%	23	8%	7
TSP Average	24%	111	29%	101	31%	46	58%	35	48%	35	39%	23	39%	83	44%	31	34%	42
Received Email Messages																		
Australia	86%	12	85%	39	83%	11	94%	7	83%	3	87%	6	75%	28	94%	16	98%	8
India	90%	48	83%	48	80%	15	87%	9	81%	2	87%	4	85%	5	93%	16	90%	28
Indonesia	86%	18	72%	15	78%	61	89%	21	71%	10	94%	17	88%	39	90%	8	90%	10
TSP Average	87%	26	80%	34	80%	29	90%	12	78%	5	89%	9	83%	24	93%	13	93%	15
Received SMS Messages																		
Australia	-	-	-	-	15%	3	47%	4	57%	2	82%	3	54%	13	61%	1	68%	52
India	-	-	-	-	46%	13	76%	23	69%	1	82%	3	59%	9	61%	2	60%	37
Indonesia	-	-	-	-	41%	15	21%	5	64%	3	59%	14	39%	3	43%	3	56%	19
TSP Average					34%	10	48%	11	63%	2	74%	7	51%	8	55%	2	61%	36
Accessed Web Pages																		
Australia	95%	n/a	65%	n/a	87%	n/a	93%	n/a	57%	n/a	94%	n/a	79%	n/a	90%	n/a	77%	n/a
India	90%	n/a	91%	n/a	87%	n/a	87%	n/a	73%	n/a	94%	n/a	85%	n/a	90%	n/a	77%	n/a
Indonesia	90%	n/a	78%	n/a	78%	n/a	82%	n/a	44%	n/a	94%	n/a	90%	n/a	76%	n/a	77%	n/a
TSP Average	92%		78%		84%		87%		58%		94%		85%		86%		77%	
Lodged Web Status Reports																		
	48%		70%		52%		47%		43%		53%		60%		52%		48%	

Table 3: Test Results Comparison Continued

Test Date:	10-Dec-14 (24 NTWCs)		10-Jun-15 (21 NTWCs)		9-Dec-15 (20 NTWCs)		8-Jun-16 (23 NTWCs)		14-Dec-16 (21 NTWCs)		14-Jun-17 (22 NTWCs)		13-Dec-17 (20 NTWCs)		13-Jun-18 (21 NTWCs)		12-Dec-18 (22 NTWCs)	
Originating TSP	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)
Received GTS Messages																		
Australia	81%	16	81%	8	79%	40	76%	7	76%	5	69%	3	74%	8	71%	22	76%	5
India	81%	15	80%	5	69%	40	78%	10	9%	0	75%	94	75%	8	75%	16	73%	5
Indonesia	80%	12	40%	10	77%	40	75%	31	75%	7	59%	5	72%	300	70%	12	76%	6
TSP Average	81%	14	67%	8	75%	40	76%	16	53%	4	68%	34	74%	105	72%	17	75%	5
Received Fax Messages																		
Australia	60%	355	50%	54	63%	32	57%	99	60%	57	70%	99	51%	60	63%	57	53%	67
India	41%	335	47%	11	45%	65	39%	10	32%	333	41%	35	40%	10	58%	21	32%	31
Indonesia	10%	337	20%	12	18%	27	22%	26	15%	88	15%	34	32%	103	18%	13	25%	35
TSP Average	37%	342	39%	26	42%	41	39%	45	36%	159	42%	56	41%	58	46%	30	37%	44
Received Email Messages																		
Australia	93%	32	94%	3	89%	5	74%	5	90%	30	95%	4	90%	60	90%	2	95%	6
India	86%	95	93%	17	94%	10	80%	14	90%	388	84%	9	79%	65	86%	8	96%	5
Indonesia	87%	5	88%	3	85%	27	82%	3	93%	11	96%	7	83%	61	78%	8	95%	2
TSP Average	89%	44	92%	8	89%	14	79%	7	91%	143	92%	7	84%	62	85%	6	95%	4
Received SMS Messages																		
Australia	67%	4	76%	6	70%	5	63%	7	61%	7	70%	280	69%	7	66%	3	75%	7
India	62%	397	76%	9	61%	148	41%	56	66%	31	44%	12	42%	4	30%	3	85%	16
Indonesia	67%	553	75%	13	70%	20	26%	4	65%	14	64%	67	75%	22	71%	16	67%	11
TSP Average	65%	318	76%	9	67%	58	43%	22	64%	17	59%	120	62%	11	56%	7	76%	11
Accessed Web Pages																		
Australia	70%	n/a	86%	n/a	95%	n/a	86%	n/a	90%	n/a	89%	n/a	95%	n/a	95%	n/a	82%	n/a
India	69%	n/a	95%	n/a	89%	n/a	80%	n/a	86%	n/a	84%	n/a	88%	n/a	92%	n/a	78%	n/a
Indonesia	68%	n/a	95%	n/a	89%	n/a	75%	n/a	88%	n/a	94%	n/a	95%	n/a	89%	n/a	86%	n/a
TSP Average	69%		92%		91%		80%		88%		89%		93%		92%		82%	
Lodged Web Status Reports																		
	46%		62%		65%		65%		76%		77%		65%		76%		59%	

Table 3: Test Results Comparison Continued

Test Date:	12-Jun-19 (22 NTWCs)		11-Dec-19 (26 NTWCs)		10-Jun-20 (26 NTWCs)		09-Jun-21 (21 NTWCs)	
Originating TSP	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)
Received GTS Messages								
Australia	76%	64	79%	6	76%	38	79%	5
India	80%	58	73%	6	76%	6	78%	5
Indonesia	76%	65	68%	19	75%	4	72%	55
TSP Average	78%	62	74%	10	76%	16	77%	22
Received Fax Messages								
Australia	50%	57	45%	39	43%	80	27%	80
India	30%	15	44%	38	36%	95	27%	51
Indonesia	15%	79	18%	8	12%	15	10%	178
TSP Average	32%	50	36%	28	31%	63	21%	103
Received Email Messages								
Australia	92%	37	84%	6	85%	15	93%	4
India	97%	26	82%	12	76%	14	90%	5
Indonesia	86%	58	79%	15	74%	4	66%	55
TSP Average	92%	40	82%	11	78%	11	83%	21
Received SMS Messages								
Australia	55%	11	61%	5	66%	15	74%	5
India	69%	96	58%	17	63%	34	60%	4
Indonesia	63%	15	68%	62	62%	15	45%	217
TSP Average	62%	41	62%	28	64%	21	60%	75
Accessed Web Pages								
Australia	69%	n/a	73%	n/a	75%	n/a	86%	n/a
India	67%	n/a	72%	n/a	78%	n/a	94%	n/a
Indonesia	76%	n/a	77%	n/a	84%	n/a	77%	n/a
TSP Average	71%		74%		79%		86%	
Lodged Web Status Reports								
	50%		58%		54%		62%	

Notes on Table 3:

1. Percentages are based on the number of NTWCs that:
 - a. Received each TSP's notification messages
 - b. Were able to access TSP web pages
 - c. Were able to lodge NTWC Warning Status Reports via a TSP web page.
2. "Max Delay" is the highest message delay reported across all NTWCs for each TSP's messages.
3. "-" = not issued in test
4. "n/a" = not applicable

Chart 3: Message Delivery Success Rates

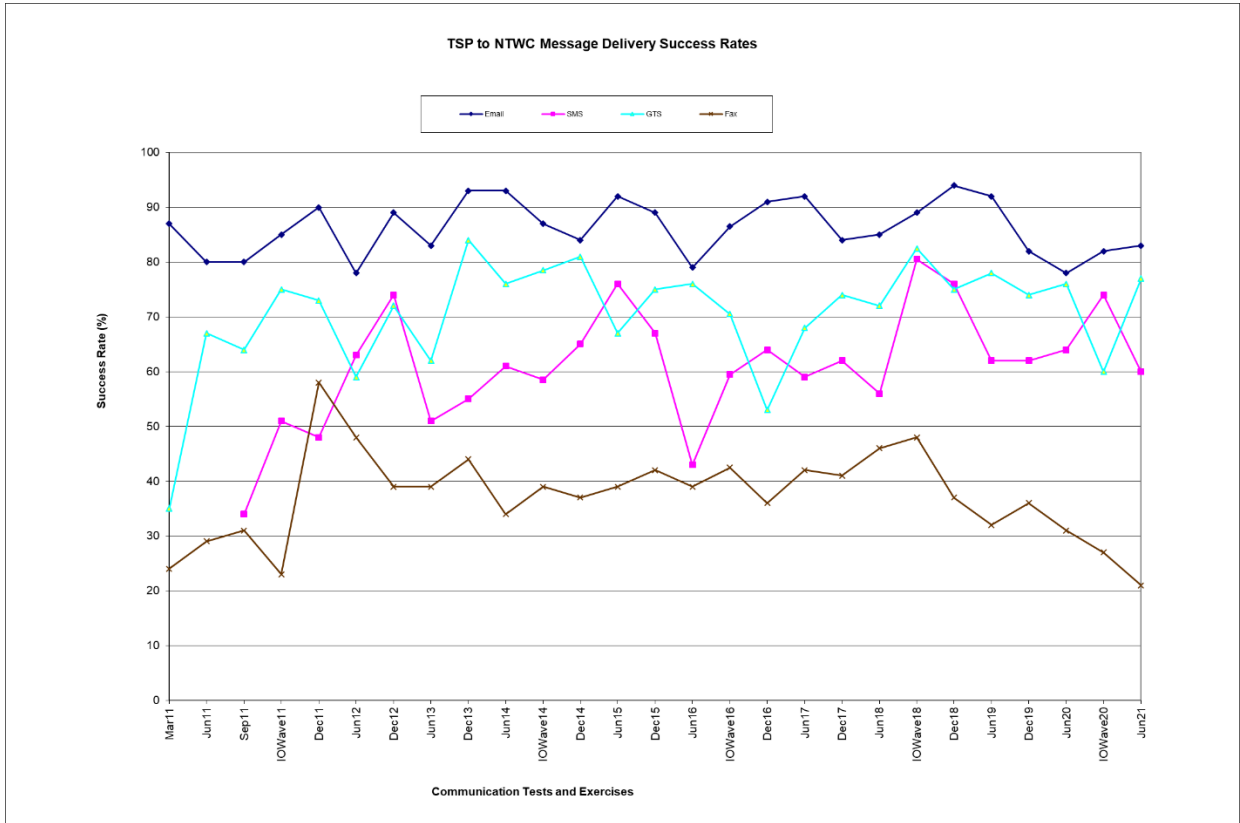
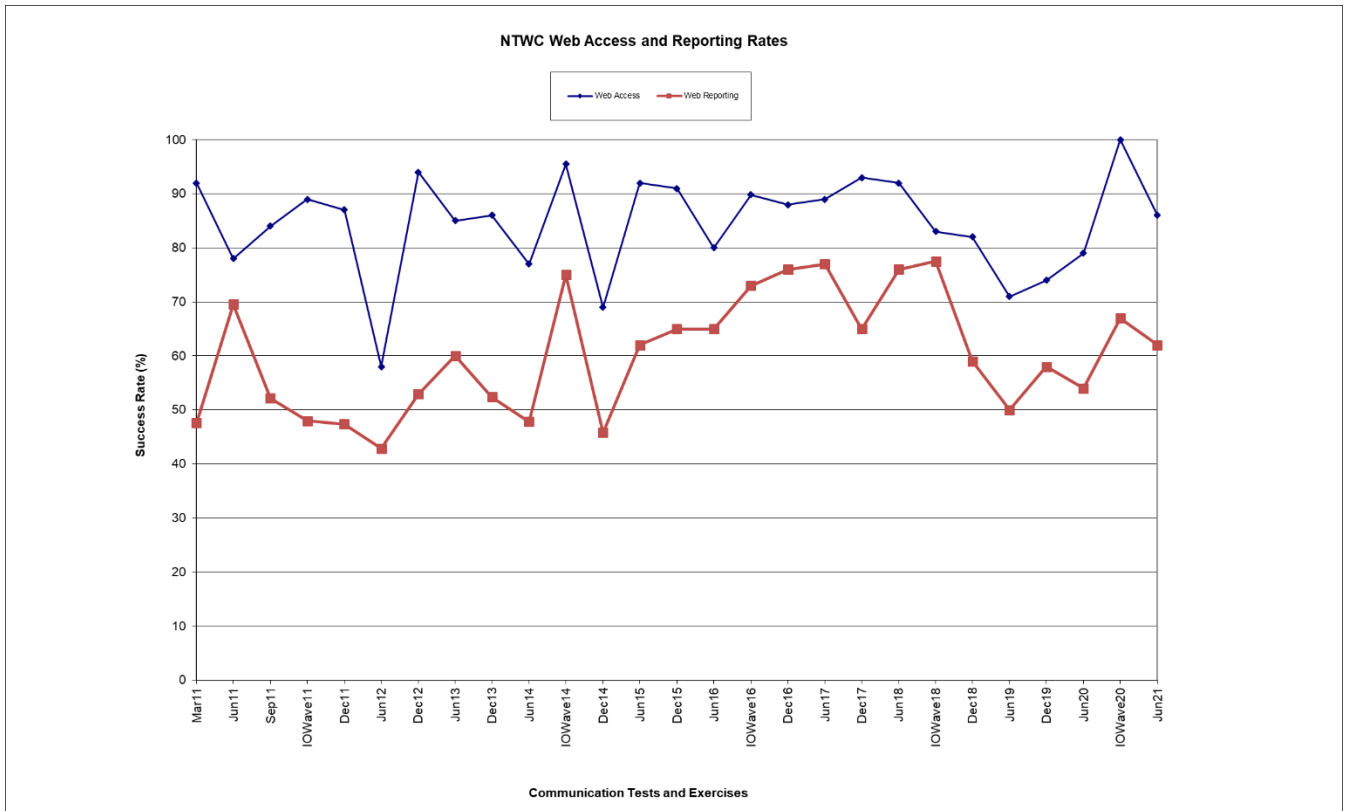


Chart 4: Web Access and Status Reporting Success Rates



9 SUMMARY OF ISSUES ARISING

The NTWC receipt of TSP messages by NTWCs, access to TSP websites, and status reporting is summarized in Table 4 below. Follow-up is required to ensure all NTWCs receive TSP messages where ever practical and be able to access the TSP websites. Furthermore, all NTWCs should be encouraged to report their national status during tsunami events and exercises.

Table 4: Summary of Message Receipt and Website Access and Reporting

			AUS	BAN	COM	FR	IN	IND	KEN	MAD	MAL	MAU	MZ	MM	OM	PK	SY	SIN	SA	SLK	THA	UAE	YEM		
Message Receipt	GTS	AUSTRALIA	●	○	○	●	●	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	○	
		INDIA	●	○	○	●	●	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○
		INDONESIA	●	○	○	●	●	●	●	○	●	●	●	●	●	●	●	●	●	○	●	●	●	●	○
	Fax	AUSTRALIA	○	○	○	○	●	○	○	○	○	○	●	○	○	●	●	●	●	○	●	●	○	○	○
		INDIA	○	○	○	○	●	○	○	○	○	○	○	○	○	●	○	○	○	○	○	○	○	○	○
		INDONESIA	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Email	AUSTRALIA	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		INDIA	●	●	●	●	●	●	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	○
		INDONESIA	●	○	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	●	●	○	○	○
SMS	AUSTRALIA	●	●	●	○	●	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	●	
	INDIA	●	●	●	○	●	○	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	
	INDONESIA	●	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
Website	Access	AUSTRALIA	●	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	
		INDIA	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	
		INDONESIA	●	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	-	●	●	●	●	-	
	Report	Any TSP	●	-	○	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	-	○	○	

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MZ=Mozambique, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, THA=Thailand, UAE=United Arab Emirates, YEM=Yemen

Notes:

1. ● = received, accessed or reported
2. ○ = Not received, accessed or reported
3. - = message not received or not reported
4. GTS: Iran and Madagascar are not connected to the GTS.
5. Fax: Kenya is not currently using the fax.
6. SMS: France (Indian Ocean Territories) has opted out of receiving SMS messages.

APPENDICES

Appendix A: GTS Messages Received by each NTWC

	Bulletin No \ Country	AUS	BAN	COM	FR	IN	IND	KEN	MAD	MAL	MAU	MZ	MM	OM	PK	SY	SIN	SA	SLK	THA	UAE	YEM	Tot	%	Ave
AUSTRALIA	06:00 Test Start	06:00	-	-	06:00	06:01	06:00	06:00	-	06:00	06:00	06:02	06:00	06:00	-	06:00	06:00	06:01	06:00	06:05	06:01	-	16	76	
	06:05 Bulletin 1	06:05	-	-	06:05	06:06	06:05	06:05	-	06:05	06:05	06:06	06:05	06:05	06:05	06:05	06:05	06:05	06:05	06:07	06:06	-	17	81	
	06:15 Bulletin 2	06:15	-	-	06:15	06:16	06:16	06:15	-	06:15	06:15	06:17	06:30	06:15	06:15	06:15	06:16	06:16	06:15	06:16	06:16	-	17	81	
	06:30 Bulletin 3	06:30	-	-	06:30	06:30	06:31	06:31	-	06:30	06:30	06:32	06:35	06:30	06:30	06:30	06:31	06:31	06:30	06:32	06:31	-	17	81	
	06:45 Bulletin 4	06:45	-	-	06:45	06:45	06:46	06:46	-	-	06:46	06:47	06:46	06:45	06:45	06:45	06:45	06:46	06:45	06:46	06:46	-	16	76	79
INDIA	06:00 Test Start	06:00	-	-	06:00	06:00	06:01	06:00	-	-	06:00	06:02	06:00	06:00	-	06:00	06:00	05:58	06:00	06:05	06:01	-	15	71	
	06:05 Bulletin 1	06:07	-	-	06:06	06:07	06:08	06:07	-	06:07	06:01	06:06	06:29	06:07	-	06:06	06:07	06:05	06:06	06:08	06:08	-	16	76	
	06:15 Bulletin 2	06:17	-	-	06:17	06:17	06:17	06:17	-	06:17	06:17	06:17	06:33	06:17	06:17	06:17	06:17	06:15	06:17	06:18	06:18	-	17	81	
	06:30 Bulletin 3	06:30	-	-	06:29	06:30	06:30	06:32	-	06:30	06:30	06:32	06:35	06:30	06:30	06:29	06:30	06:28	06:30	06:30	06:30	-	17	81	
	06:45 Bulletin 4	06:44	-	-	06:44	06:44	06:45	06:45	-	06:44	06:45	06:47	06:46	06:44	06:45	06:44	06:44	06:43	06:46	06:46	06:45	-	17	81	78
INDONESIA	06:00 Test Start	06:01	-	-	06:00	06:01	06:01	06:01	-	06:00	06:00	06:02	06:01	06:01	-	06:00	06:01	-	06:01	06:05	06:01	-	15	71	
	06:05 Bulletin 1	07:00	-	-	06:56	06:59	06:05	07:00	-	-	07:00	06:06	06:58	07:00	06:05	06:59	07:00	-	07:00	07:00	07:00	-	15	71	
	06:15 Bulletin 2	07:00	-	-	07:00	07:00	06:16	07:01	-	-	07:01	06:16	07:00	07:00	06:15	07:00	07:00	-	07:00	07:01	07:01	-	15	71	
	06:30 Bulletin 3	07:01	-	-	07:01	07:01	06:31	07:07	-	-	07:01	06:33	07:00	07:01	06:30	07:01	07:01	-	07:01	07:01	07:02	-	15	71	
	06:45 Bulletin 4	06:56	-	-	06:56	06:57	06:46	06:58	-	06:56	06:57	06:46	07:01	06:56	06:45	06:56	06:56	-	06:56	06:58	06:57	-	16	76	72

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MZ=Mozambique, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, THA=Thailand, UAE=United Arab Emirates, YEM=Yemen

- Notes:
- = message not received or not reported
 - "Tot" = number of NTWCs who received message, out of 21
 - "%" = percentage of NTWCs who received message
 - Message(s) with maximum time delay for each TSP are highlighted in yellow. Highest overall delay =55 minutes
 - The NTWCs in Iran and Madagascar are not connected to the GTS.

Appendix B: Fax Messages Received by each NTWC

	Bulletin No \ Country	AUS	BAN	COM	FR	IN	IND	KEN	MAD	MAL	MAU	MZ	MM	OM	PK	SY	SIN	SA	SLK	THA	UAE	YEM	Tot	%	Ave
AUSTRALIA	06:00 Test Start	-	-	-	-	06:05	-	-	-	-	6:04	-	-	06:03	-	-	06:06	-	-	-	-	-	4	19	
	06:05 Bulletin 1	-	-	-	-	06:31	-	-	-	-	6:13	-	-	06:06	07:28	-	06:07	-	06:31	06:10	-	-	7	33	
	06:15 Bulletin 2	-	-	-	-	06:33	-	-	-	-	-	-	-	06:34	07:29	-	07:04	-	06:32	-	-	-	5	24	
	06:30 Bulletin 3	-	-	-	-	07:11	-	-	-	-	-	-	-	07:23	07:25	06:30	07:05	-	07:36	-	-	-	6	29	
	06:45 Bulletin 4	-	-	-	-	07:14	-	-	-	-	-	-	-	08:05	07:27	06:42	07:05	-	07:37	-	-	-	6	29	27
INDIA	06:00 Test Start	-	-	-	-	06:01	-	-	-	6:00	-	-	-	06:00	-	-	06:01	-	-	-	-	-	4	19	
	06:05 Bulletin 1	-	-	-	-	06:08	-	-	-	6:07	-	-	06:56	06:07	-	-	06:07	-	-	06:08	-	-	6	29	
	06:15 Bulletin 2	-	-	-	-	06:18	-	-	-	6:17	-	-	06:54	06:17	-	-	06:17	-	-	06:18	-	-	6	29	
	06:30 Bulletin 3	-	-	-	-	06:32	-	-	-	6:47	-	-	06:55	06:32	-	-	06:30	-	-	06:31	-	-	6	29	
	06:45 Bulletin 4	-	-	-	-	06:46	-	-	-	6:48	-	-	06:56	06:45	-	-	06:45	-	-	06:46	-	-	6	29	27
INDONESIA	06:00 Test Start	-	-	-	-	-	06:00	-	-	-	-	-	-	06:16	-	-	-	-	-	-	-	-	2	10	
	06:05 Bulletin 1	-	-	-	-	-	06:06	-	-	-	-	-	-	09:03	-	-	-	-	-	-	-	-	2	10	
	06:15 Bulletin 2	-	-	-	-	-	06:16	-	-	-	-	-	-	09:14	-	-	-	-	-	-	-	-	2	10	
	06:30 Bulletin 3	-	-	-	-	-	06:33	-	-	-	-	-	-	09:17	-	-	-	-	-	-	-	-	2	10	
	06:45 Bulletin 4	-	-	-	-	-	06:46	-	-	-	-	-	-	08:47	-	-	-	-	-	-	-	-	2	10	10

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MZ=Mozambique, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, THA=Thailand, UAE=United Arab Emirates, YEM=Yemen

Notes:

1. - = message not received or not reported
2. "Tot" = number of NTWCs who received message, out of 21
3. "%" = percentage of NTWCs who received message
4. Message(s) with maximum time delay for each TSP are highlighted in yellow. Highest overall delay = 2 hours 58 minutes
5. Kenya advised that their fax reception was "not in use" for this test.

Appendix C: Email Messages Received by each NTWC

	Bulletin No \ Country	AUS	BAN	COM	FR	IN	IND	KEN	MAD	MAL	MAU	MZ	MM	OM	PK	SY	SIN	SA	SLK	THA	UAE	YEM	Tot	%	Ave	
AUSTRALIA	06:00 Test Start	06:01	-	06:00	06:00	06:01	06:00	06:00	06:00	06:00	06:00	06:00	06:00	06:00	06:00	06:01	06:04	06:01	06:00	06:00	06:01	06:03	20	95		
	06:05 Bulletin 1	06:05	-	06:05	06:05	06:05	06:05	06:05	06:05	06:05	06:05	06:05	06:05	06:05	06:05	06:06	06:05	06:05	06:05	06:05	06:05	06:06	20	95		
	06:15 Bulletin 2	06:16	-	06:15	06:15	06:15	06:16	06:15	06:15	06:15	06:15	06:15	06:15	06:15	06:15	06:15	06:16	06:16	06:15	06:15	06:16	06:17	20	95		
	06:30 Bulletin 3	06:31	-	06:30	06:30	06:31	06:30	06:30	06:27	06:30	06:30	06:31	06:30	06:30	06:30	06:30	06:31	06:31	06:30	06:30	06:31	06:32	20	95		
	06:45 Bulletin 4	06:46	-	06:45	06:45	06:45	06:45	06:45	06:45	06:45	06:45	-	06:45	06:45	06:45	-	06:45	06:46	06:46	06:45	06:45	06:46	06:47	18	86	93
INDIA	06:00 Test Start	06:01	6:00	06:00	05:58	06:00	05:58	06:01	05:58	-	06:00	06:00	06:01	06:00	06:01	06:01	05:58	05:58	06:01	06:01	05:58	-	19	90		
	06:05 Bulletin 1	06:08	6:07	06:07	06:07	06:07	06:07	06:04	06:10	06:04	-	06:07	06:05	06:10	06:07	06:10	06:05	06:05	06:05	06:05	06:10	06:10	06:05	-	19	90
	06:15 Bulletin 2	06:17	6:17	06:17	06:16	06:17	06:15	06:17	06:15	-	06:17	06:15	06:17	06:17	06:17	06:15	06:15	06:15	06:15	06:17	06:17	06:15	-	19	90	
	06:30 Bulletin 3	06:30	6:30	06:30	06:30	06:30	06:27	06:30	06:30	-	06:30	06:30	06:30	06:30	06:30	06:31	06:28	06:28	06:30	06:30	06:28	-	19	90		
	06:45 Bulletin 4	06:45	6:46	06:45	06:45	06:45	06:42	06:45	06:42	-	06:45	06:45	06:45	06:44	06:45	06:43	06:43	06:43	06:45	06:45	06:43	-	19	90	90	
INDONESIA	06:00 Test Start	06:01	-	-	06:00	06:04	06:01	06:05	06:01	06:10	06:05	06:00	06:03	06:01	06:03	06:01	06:01	-	06:05	06:06	-	-	15	71		
	06:05 Bulletin 1	07:00	-	-	06:07	06:15	06:05	06:07	06:05	06:11	06:07	06:05	06:07	06:06	06:10	06:05	06:05	-	06:08	06:15	-	-	15	71		
	06:15 Bulletin 2	07:01	-	-	06:17	06:18	06:15	06:16	06:15	06:18	06:17	06:15	06:16	06:15	-	06:15	06:15	-	06:17	-	-	-	13	62		
	06:30 Bulletin 3	07:01	-	-	06:30	06:41	06:30	-	06:30	06:40	06:32	06:30	06:32	06:30	06:32	06:30	06:30	-	06:32	-	-	-	13	62		
	06:45 Bulletin 4	06:57	-	-	06:47	06:51	06:45	06:47	06:45	06:50	06:49	06:45	06:47	06:45	-	06:45	06:45	-	06:47	-	-	-	13	62	66	

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MZ=Mozambique, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, THA=Thailand, UAE=United Arab Emirates, YEM=Yemen

Notes:

1. - = message not received or not reported.
2. "Tot" = number of NTWCs who received message, out of 21
3. "%" = percentage of NTWCs who received message
4. Message(s) with maximum time delay for each TSP highlighted in yellow. Highest overall delay = 55 minutes

Appendix D: SMS Messages Received by each NTWC

	Bulletin No \ Country	AUS	BAN	COM	FR	IN	IND	KEN	MAD	MAL	MAU	MZ	MM	OM	PK	SY	SIN	SA	SLK	THA	UAE	YEM	Tot	%	Ave
AUSTRALIA	06:00 Test Start	06:00	-	06:00	-	06:00	06:00	06:00	06:00	06:01	06:00	06:01	06:00	06:05	-	06:00	06:02	-	-	06:00	-	06:00	15	71	
	06:05 Bulletin 1	06:05	6:00	06:05	-	06:07	06:05	06:05	06:05	06:06	06:05	06:07	06:05	06:05	-	06:05	06:07	-	-	06:05	-	06:05	16	76	
	06:15 Bulletin 2	06:15	6:16	06:15	-	06:15	06:16	06:15	06:17	06:16	06:15	06:16	06:15	06:16	-	06:15	06:16	-	-	06:15	-	06:16	16	76	
	06:30 Bulletin 3	06:30	6:31	06:30	-	06:30	06:30	06:30	06:31	06:31	06:30	06:31	06:30	06:30	-	06:31	06:32	-	-	06:30	-	06:31	16	76	
	06:45 Bulletin 4	06:45	6:46	06:45	-	06:45	06:45	06:45	06:45	06:45	06:47	-	06:46	06:45	06:46	-	06:46	06:46	-	-	06:45	-	06:46	15	71
INDIA	06:00 Test Start	06:00	6:00	06:00	-	06:00	-	06:00	06:01	06:00	06:00	06:03	-	-	-	06:00	06:03	06:00	-	-	-	-	12	57	
	06:05 Bulletin 1	06:07	6:06	06:07	-	06:07	-	06:07	06:08	06:07	06:07	06:07	06:07	06:07	-	06:07	06:08	06:07	-	-	-	-	13	62	
	06:15 Bulletin 2	06:17	6:15	06:17	-	06:17	-	06:17	06:17	06:18	06:17	06:16	06:19	-	-	06:17	06:17	06:17	-	-	-	-	13	62	
	06:30 Bulletin 3	06:30	6:31	06:30	-	06:31	-	06:30	06:31	06:30	06:30	06:31	-	-	-	06:30	06:31	06:30	-	-	-	-	12	57	
	06:45 Bulletin 4	06:45	6:45	06:45	-	06:45	-	06:45	06:45	06:45	06:45	06:45	06:46	06:45	-	06:45	06:45	06:45	-	-	-	-	13	62	60
INDONESIA	06:00 Test Start	-	-	-	-	-	-	-	-	-	06:02	06:05	-	-	-	06:04	-	-	-	-	04:32	-	4	19	
	06:05 Bulletin 1	06:49	-	06:43	-	-	06:05	07:09	-	06:52	06:48	06:07	06:54	06:51	-	07:16	-	-	-	06:55	06:42	-	12	57	
	06:15 Bulletin 2	06:46	-	06:55	-	-	06:15	06:46	-	06:49	07:02	06:16	06:50	06:49	-	06:50	-	-	-	06:43	07:08	-	12	57	
	06:30 Bulletin 3	06:39	-	07:15	-	-	06:30	06:38	-	06:37	06:38	06:31	06:46	06:40	-	-	-	-	-	06:47	04:32	-	11	52	
	06:45 Bulletin 4	07:23	-	10:22	-	-	06:45	07:19	-	07:30	-	06:46	-	07:27	-	07:28	-	-	-	-	-	-	8	38	45

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MZ=Mozambique, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, THA=Thailand, UAE=United Arab Emirates, YEM=Yemen

Notes:

- = message not received or not reported
- "Tot" = number of NTWCs who received message, out of 21
- "%" = percentage of NTWCs who received message
- Message(s) with maximum time delay for each TSP highlighted in yellow. Highest overall delay = 3 hours 37 minutes
- France (Indian Ocean Territories) has opted out of receiving SMS messages.

Appendix E: Web Accesses by each NTWC

	Bulletin No \ Country	AUS	BAN	COM	FR	IN	IND	KEN	MAD	MAL	MAU	MZ	MM	OM	PK	SY	SIN	SA	SLK	THA	UAE	YEM	Tot	%	Ave		
AUSTRALIA	06:05 Bulletin 1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	18	86		
	06:15 Bulletin 2	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	18	86	
	06:30 Bulletin 3	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	18	86	
	06:45 Bulletin 4	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	18	86	86
INDIA	06:05 Bulletin 1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1	1	-	19	90		
	06:15 Bulletin 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	20	95		
	06:30 Bulletin 3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	20	95		
	06:45 Bulletin 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	20	95	94	
INDONESIA	06:05 Bulletin 1	1	-	-	1	1	1	1	1	1	1	1	1	1	-	1	-	1	1	1	1	1	-	16	76		
	06:15 Bulletin 2	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	-	17	81		
	06:30 Bulletin 3	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	-	-	1	1	1	1	-	16	76		
	06:45 Bulletin 4	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	-	-	1	1	1	1	-	16	76	77	

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MZ=Mozambique, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, THA=Thailand, UAE=United Arab Emirates, YEM=Yemen

Notes:

- 1 = TSP web page accessed OK
- 0 = TSP web page not accessed
- = TSP web page access not reported
- "Tot" = number of NTWCs who accessed TSP web page, out of 21
- "%" = percentage of NTWCs who accessed web page

Appendix F: Web Status Reports lodged by each NTWC

TSP	% NTWCs reporting (out of 21)	Number of NTWCs	AUS	BAN	COM	FR	IN	IND	KEN	MAD	MAL	MAU	MZ	MM	OM	PK	SY	SIN	SA	SLK	THA	UAE	YEM
Australia	14%	3	0	-	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	-	0	0
India	48%	10	1	-	0	0	1	1	0	1	0	1	0	1	1	0	1	0	0	1	-	1	0
Indonesia	0%	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0
Any TSP	62%	13	1	-	0	1	1	1	1	1	0	1	0	1	1	0	1	0	1	1	-	1	0

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MZ=Mozambique, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, THA=Thailand, UAE=United Arab Emirates, YEM=Yemen


Notes:

1. 1= yes
2. 0= no
3. -= not reported

Figure 1: TSP India NTWC Status Display Webpage after 1st Test Message


This is the webpage snapshot as at 0612 UTC

Wed Jun 09 2021 11:42:23 IST
Wed, 09 Jun 2021 06:12:23 UTC
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Summary of the Current Threat Status as reported by the NTWCs

This page displays the summary of feedback received from individual NTWC's regarding the Threat Status in their area of responsibility. Within 24 hrs of the current event ending (issue of FINAL bulletin by RTSPs), if no further NTWC feedback is received, this page will be cleared to indicate no warnings.

Legend

- Threat Level 0: No impact expected, no flooding, no currents.
- Threat Level 1: There is a potential for tsunami impact, but given the travel time, no response of the public is necessary at the moment.
- Threat Level 2: Threat to coastal marine areas due to strong currents and oscillations in sea level.
- Threat Level 3: Threat of tsunami inundation to land areas.
- Cancellation/All Clear

Show 50 rows entries
Search:

Country	Threat Status	Comments	Sender	Sender Time
Australia	-	-	-	-
Bangladesh	-	-	-	-
Comoros	-	-	-	-
Djibouti	-	-	-	-
France (Indian Ocean Territories)	-	-	-	-
India	-	-	-	-
Indonesia	-	-	-	-
Iran	-	-	-	-
Kenya	-	-	-	-
Madagascar	-	-	-	-
Malaysia	-	-	-	-
Maldives	-	-	-	-
Mauritius	-	-	-	-
Mozambique	-	-	-	-
Myanmar	-	-	-	-
Oman	-	-	-	-
Pakistan	-	-	-	-
Seychelles	-	-	-	-
Singapore	-	-	-	-
Somalia	-	-	-	-
South Africa	-	-	-	-
Sri Lanka	-	-	-	-
Tanzania	-	-	-	-
Thailand	-	-	-	-
Timor-Leste	-	-	-	-
UAE	-	-	-	-
UK (Indian Ocean Territories)	-	-	-	-
Yemen	-	-	-	-

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Figure 2a: TSP India NTWC Status Display Webpage after 2nd Test Message

This is the webpage snapshot as at 0632 UTC



Summary of the Current Threat Status as reported by the NTWCs

This page displays the summary of feedback received from individual NTWC's regarding the Threat Status in their area of responsibility. Within 24 hrs of the current event ending (issue of FINAL bulletin by RTSPs), if no further NTWC feedback is received, this page will be cleared to indicate no warnings.

Legend

- Threat Level 0: No impact expected, no flooding, no currents.
- Threat Level 1: There is a potential for tsunami impact, but given the travel time, no response of the public is necessary at the moment.
- Threat Level 2: Threat to coastal marine areas due to strong currents and oscillations in sea level.
- Threat Level 3: Threat of tsunami inundation to land areas.
- Cancellation/All Clear

Show 50 rows entries

Search:

Country	Threat Status	Comments	Sender	Sender Time
Australia	Threat Level 1	Tsunami National Watch issued for Australia.	Simon Allen	Wed Jun 09 2021 16:18:25 GMT+1000 (Australian Eastern Standard Time)
Bangladesh	-	-	-	-
Comoros	-	-	-	-
Djibouti	-	-	-	-
France (Indian Ocean Territories)	-	-	-	-
India	Threat Level 1	Major earthquake reported at Sunda Strait, Indonesia. East and West coasts of India are under watch.	ITEWC, INCOIS	Wed Jun 09 2021 11:54:21 GMT+0530 (India Standard Time)
Indonesia	Threat Level 2	People in southern Sumatra and West Java are and are currently reporting strong earthquakes. The BMKG issued tsunami early warnings in several affected areas, so that people could carry out independent evacuations to safe places.	Alfath	Wed Jun 09 2021 13:28:12 GMT+0700 (Western Indonesia Time)
Iran	-	-	-	-
Kenya	-	-	-	-
Madagascar	Threat Level 1	NTWC Madagsacr T1 1419 Ambahy, Max ampl 1.26m	Bernardo	Wed Jun 09 2021 09:23:28 GMT+0300 (East Africa Time)
Malaysia	-	-	-	-
Maldives	-	-	-	-
Mauritius	-	-	-	-
Mozambique	-	-	-	-
Myanmar	Threat Level 3		NTWC, Myanmar	Wed Jun 09 2021 13:01:25 GMT+0630 (Myanmar Time)
Oman	Threat Level 1	Advisory is issued to the coastal areas of Dhofar. (TEST, TEST).	Nasser Al Ismaili	Wed Jun 09 2021 10:20:39 GMT+0400
Pakistan	-	-	-	-
Seychelles	-	-	-	-
Singapore	-	-	-	-
Somalia	-	-	-	-
South Africa	Threat Level 1	South Africa have received message #2 and are busy processing and assessing the level of risk to our coastline	Kevin Rae	Wed Jun 09 2021 08:32:03 GMT+0200 (South Africa Standard Time)
Sri Lanka	Threat Level 1	Bulletin no 1 received	NTWC	Wed Jun 09 2021 11:53:53 GMT+0530 (India Standard Time)
Tanzania	-	-	-	-
Thailand	-	-	-	-
Timor-Leste	-	-	-	-
UAE	-	-	-	-
UK (Indian Ocean Territories)	-	-	-	-
Yemen	-	-	-	-

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Figure 2b: TSP Australia Public Webpage after 2nd Test Message

This is the webpage snapshot as at 0629 UTC.

TEST TEST - Earthquake Current - Not a Real Event - TEST TEST
 Check bulletin and map for tsunami information in the Indian Ocean

Australian Government
 Bureau of Meteorology

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Bureau Home > Joint Australian Tsunami Warning Centre > Status of Tsunami Warnings in the Indian Ocean
TSP Australia Public Webpage Status of Tsunami Warnings in the Indian Ocean

This website is maintained by the Joint Australian Tsunami Warning Centre for the Indian Ocean Tsunami Warning & Mitigation System (IOTWMS) as a Tsunami Service Provider (TSP).

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Warning Status

Australia	Bangladesh	Comoros	Djibouti
France (Indian Ocean Territories)	India	Indonesia	Iran
Kenya	Madagascar	Malaysia	Maldives
Mauritius	Mozambique	Myanmar	Oman
Pakistan	Seychelles	Singapore	Somalia
South Africa	Sri Lanka	Tanzania	Thailand
Timor-Leste	UAE	UK (Indian Ocean Territories)	Yemen

Legend: Unknown Level 0 Level 1 Level 2 Level 3 Cancel

Earthquakes

Event	Date	Mag.	Location
1	06:00 UTC 09 June 2021	9.0	SUNDA STRAIT, INDONESIA *** TEST EVENT ***

Tsunami Wave Observations


#	Location	MAX	Date	Ev.

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Figure 3a: TSP India NTWC Status Display Webpage after 3rd Test Message

The webpage snapshot as at 0646 UTC

Wed Jun 09 2021 12:16:47 IST
Wed, 09 Jun 2021 06:46:47 UTC
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Summary of the Current Threat Status as reported by the NTWCs

This page displays the summary of feedback received from individual NTWC's regarding the Threat Status in their area of responsibility. Within 24 hrs of the current event ending (issue of FINAL bulletin by RTSPs), if no further NTWC feedback is received, this page will be cleared to indicate no warnings.

Legend

- Threat Level 0: No impact expected, no flooding, no currents.
- Threat Level 1: There is a potential for tsunami impact, but given the travel time, no response of the public is necessary at the moment.
- Threat Level 2: Threat to coastal marine areas due to strong currents and oscillations in sea level.
- Threat Level 3: Threat of tsunami inundation to land areas.
- Cancellation/All Clear

Show **50 rows** entries

Search:

Country	Threat Status	Comments	Sender	Sender Time
Australia	Threat Level 3	TEST Land warnings for WA, Christmas Island, Cocos Islands & Australia's Antarctic bases. Marine warnings for SA, VIC & Tasmania.	Simon Allen	Wed Jun 09 2021 16:34:25 GMT+1000 (Australian Eastern Standard Time)
Bangladesh	-	-	-	-
Comoros	-	-	-	-
Djibouti	-	-	-	-
France (Indian Ocean Territories)	-	-	-	-
India	Threat Level 2	Alert issued to low lying coastal areas. Beaches being evacuated in East Coast and a few provinces in West Coast of India.	ITEWC, INCOIS	Wed Jun 09 2021 12:10:15 GMT+0530 (India Standard Time)
Indonesia	Threat Level 3	Tsunami waves are expected to hit most areas of Java and Sumatra. The community evacuated to a safe place and was still waiting for information updates.	Alfath	Wed Jun 09 2021 13:35:39 GMT+0700 (Western Indonesia Time)
Iran	-	-	-	-
Kenya	-	-	-	-
Madagascar	Threat Level 2	Threat, T1 14:19 AMBAHY , Ampl max 1.77m SAMPONA	Bernardo	Wed Jun 09 2021 09:37:01 GMT+0300 (East Africa Time)
Malaysia	-	-	-	-
Maldives	-	-	-	-
Mauritius	Threat Level 3	NEOC fully monitoring the situation. NCG and Police Force ensuring that public is not having access to beaches and coastal areas	D. SEETOHUL	Wed Jun 09 2021 10:43:00 GMT+0400 (Gulf Standard Time)
Mozambique	-	-	-	-
Myanmar	CANCELLATION/ALL CLEAR		NTWC, Myanmar	Wed Jun 09 2021 13:16:37 GMT+0630 (Myanmar Time)
Oman	Threat Level 1	Advisory is issued to the coastal areas of Dhofar. (TEST, TEST)	Nasser Al Ismaili	Wed Jun 09 2021 10:20:39 GMT+0400
Pakistan	-	-	-	-
Seychelles	-	-	-	-
Singapore	-	-	-	-
Somalia	-	-	-	-
South Africa	Threat Level 1	SA Council for Geoscience suggest 2m inundation on east coast at near Port St Johns, therefore possible threat. Wave travel time to SA about 10 hours. No evacuations or additional response at the current time. Awaiting final bulletin	Kevin Rae	Wed Jun 09 2021 08:45:20 GMT+0200 (South Africa Standard Time)
Sri Lanka	Threat Level 3	This is a test mail.	NTWC	Wed Jun 09 2021 12:07:08 GMT+0530 (India Standard Time)
Tanzania	-	-	-	-
Thailand	-	-	-	-
Timor-Leste	-	-	-	-
UAE	Threat Level 0		Khalifa Al Ebril	Wed Jun 09 2021 10:42:32 GMT+0400 (Gulf Standard Time)
UK (Indian Ocean Territories)	-	-	-	-
Yemen	-	-	-	-

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Figure 3b: TSP Australia Public Webpage after 3rdTest Message

The webpage snapshot as at 0645 UTC.

TEST TEST - Earthquake Current - Not a Real Event - TEST TEST
Check bulletin and map for tsunami information in the Indian Ocean

Warning Status

Australia	Bangladesh	Comoros	Djibouti
France (Indian Ocean Territories)	India	Indonesia	Iran
Kenya	Madagascar	Malaysia	Maldives
Mauritius	Mozambique	Myanmar	Oman
Pakistan	Seychelles	Singapore	Somalia
South Africa	Sri Lanka	Tanzania	Thailand
Timor-Leste	UAE	UK (Indian Ocean Territories)	Yemen

Legend: Unknown Level 0 Level 1 Level 2 Level 3 Cancel

Earthquakes

Event	Date	Mag.	Location
1	06:00 UTC 09 June 2021	9.0	SUNDA STRAIT, INDONESIA *** TEST EVENT ***

Tsunami Wave Observations

#	Location	MAX	Date	Ev.
1	Bengkunat	1.30m	06:15 UTC 09 Jun	1

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Figure 4a: TSP India NTWC Status Display Webpage after 4th Test Message (final)

The webpage snapshot as at 0930 UTC

Summary of the Current Threat Status as reported by the NTWCs

This page displays the summary of feedback received from individual NTWC's regarding the Threat Status in their area of responsibility. Within 24 hrs of the current event ending (issue of FINAL bulletin by RTSPs), if no further NTWC feedback is received, this page will be cleared to indicate no warnings.

Legend

- Threat Level 0: No impact expected, no flooding, no currents.
- Threat Level 1: There is a potential for tsunami impact, but given the travel time, no response of the public is necessary at the moment.
- Threat Level 2: Threat to coastal marine areas due to strong currents and oscillations in sea level.
- Threat Level 3: Threat of tsunami inundation to land areas.
- Cancellation/All Clear

Show **50** rows entries

Search:

Country	Threat Status	Comments	Sender	Sender Time
Australia	CANCELLATION/ALL CLEAR.	TEST All warnings cancelled.	Simon Allen	Wed Jun 09 2021 16:48:39 GMT+1000 (Australian Eastern Standard Time)
Bangladesh	-	-	-	-
Comoros	-	-	-	-
Djibouti	-	-	-	-
France (Indian Ocean Territories)	-	-	-	-
India	CANCELLATION/ALL CLEAR.	No major waves were reported at Indian coast.	ITEWC, INCOIS	Wed Jun 09 2021 12:21:07 GMT+0530 (India Standard Time)
Indonesia	CANCELLATION/ALL CLEAR.	Tsunami warning is cancelled, confirmed tsunami occurred in Cilacap with a height of 4.6 meters	Alfath	Wed Jun 09 2021 13:49:25 GMT+0700 (Western Indonesia Time)
Iran	-	-	-	-
Kenya	Threat Level 0		Philip Sagero	Wed Jun 09 2021 10:01:41 GMT+0300 (East Africa Time)
Madagascar	CANCELLATION/ALL CLEAR.	Final bulletin	Bernardo	Wed Jun 09 2021 09:48:40 GMT+0300 (East Africa Time)
Malaysia	-	-	-	-
Maldives	-	-	-	-
Mauritius	CANCELLATION/ALL CLEAR.	Wave rider and tide gauge observations showing that no significant wave height has been recorded. All clear from on sites observations reported from NCG and Police via NEOC. Tsunami Warning TERMINATED	D. SEETOHUL	Wed Jun 09 2021 10:49:47 GMT+0400 (Gulf Standard Time)
Mozambique	-	-	-	-
Myanmar	CANCELLATION/ALL CLEAR.		NTWC, Myanmar	Wed Jun 09 2021 13:16:37 GMT+0630 (Myanmar Time)
Oman	Threat Level 0	The stakeholders have been updated about the end of threat. (Bulletin 4)	Nasser Al Ismaili	Wed Jun 09 2021 10:52:28 GMT+0400
Pakistan	-	-	-	-
Seychelles	Threat Level 1	An investigation is under way to determine if a tsunami has been triggered.	FORECASTER	Wed Jun 09 2021 11:00:29 GMT+0400 (Gulf Standard Time)
Singapore	-	-	-	-
Somalia	-	-	-	-
South Africa	CANCELLATION/ALL CLEAR.	Test is concluded. All clear. Thank you.	Kevin Rae	Wed Jun 09 2021 08:58:15 GMT+0200 (South Africa Standard Time)
Sri Lanka	Threat Level 3	This is a test mail.	NTWC	Wed Jun 09 2021 12:07:08 GMT+0530 (India Standard Time)
Tanzania	-	-	-	-
Thailand	-	-	-	-
Timor-Leste	-	-	-	-
UAE	Threat Level 0		Khalifa Al Ebrri	Wed Jun 09 2021 10:47:50 GMT+0400 (Gulf Standard Time)
UK (Indian Ocean Territories)	-	-	-	-
Yemen	-	-	-	-

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Figure 4b: TSP Australia Public Webpage after 4th Test Message (final)

The webpage snapshot as at 0703 UTC.

TEST TEST - Earthquake Current - Not a Real Event - TEST TEST
 Check bulletin and map for tsunami information in the Indian Ocean

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Warning Status

Australia	Bangladesh	Comoros	Djibouti
France (Indian Ocean Territories)	India	Indonesia	Iran
Kenya	Madagascar	Malaysia	Maldives
Mauritius	Mozambique	Myanmar	Oman
Pakistan	Seychelles	Singapore	Somalia
South Africa	Sri Lanka	Tanzania	Thailand
Timor-Leste	UAE	UK (Indian Ocean Territories)	Yemen

Legend: Unknown | Level 0 | Level 1 | Level 2 | Level 3 | Cancel

Earthquakes

Event	Date	Mag.	Location
1	06:00 UTC 09 June 2021	9.0	SUNDA STRAIT, INDONESIA *** TEST EVENT ***

Tsunami Wave Observations

#	Location	MAX	Date	Ev.
1	Bengkunat	4.50m	06:15 UTC 09 Jun	1
2	Tanjung Lesung	2.10m	06:30 UTC 09 Jun	1

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Appendix G: Accessibility of TSP-Indonesia Warning Receiver System

AUS	BAN	COM	FR	IN	IND	KEN	MAD	MAL	MAU	MZ	MM	OM	PK	SY	SIN	SA	SLK	THA	UAE	YEM	Tot	%
1	-	0	-	1	1	1	1	1	1	-	1	1	1	1	1	1	1	-	1	0	15	71

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MZ=Mozambique, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, THA=Thailand, UAE=United Arab Emirates, YEM=Yemen

Notes:

1. 1= yes
2. 0= no
3. -= not reported
4. "Tot" = number of NTWCs who accessed TSP web page, out of 21
5. "%" = percentage of NTWCs who accessed web page

Comments:

Australia	It looked good and functioned well. As a personal preference I would have liked the alarm tone to have more of a tsunami theme (e.g. tsunami siren etc.), but my colleague didn't mind it.
Comoros	We have not experienced it
Indonesia	All system on the TSP-Indonesia Warning Receiver System running well, the web is user friendly and attractive.
Kenya	The Receiver system is good and can be used for display.
Malaysia	Nice interface
Mauritius	Scenario for Tsunami Travel Time could be visualised on TSP-Indonesia Warning Receiver System
Myanmar	NTWC of Myanmar can receive all messages in time from website.
Oman	The System was accessible and working well, but the audio was not tested (because the audio was not enabled in the internet browser).
Seychelles	A very good website with audio message when bulletins are issued.
South Africa	WRS was accessible online from at least 05:58UTC onwards, throughout the test
Sri Lanka	Thanks for the TSP-Indonesia. The notification alarm is delivering only one time. It is suggested that repeat at least 3 or 4 times.
UAE	Congratulation on the New Warning system, it's really great. The dynamic and interactive warnings maps is more efficient. There was no sound for the warnings, however when we open it first time the sound was works.
Yemen	We have difficulty to access the web site by PC or mobile.! May be due to internet service quality

Appendix H: Test Messages Transmitted by each TSP

TSP AUSTRALIA Test Start Message

WEIO24 AMMC 090600

TEST TESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTEST

INDIAN OCEAN TSUNAMI WARNING AND MITIGATION SYSTEM [IOTWMS] COMMUNICATIONS TEST
0600 UTC 9 JUNE 2021
TSP AUSTRALIA [JATWC]

TO: NATIONAL TSUNAMI WARNING CENTRES IN THE INDIAN OCEAN

A COMMUNICATIONS TEST OF THE IOTWMS IS ABOUT TO COMMENCE.
PARTICIPATING NATIONAL TSUNAMI WARNING CENTRES SHOULD REFER TO THE
- IOTWMS COMMUNICATIONS TEST 9 JUNE 2021 TECHNICAL MANUAL - DOCUMENT FOR DETAILS OF THE
TEST TSP NOTIFICATION MESSAGES THEY ARE ABOUT TO RECEIVE, AND THE TEST LOG THEY ARE REQUIRED TO
COMPLETE.

THIS IS A TEST ONLY.

TEST TESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTEST

Appendix H: Test Messages Transmitted by each TSP (continued)

TSP AUSTRALIA Message 1

```
IDY68503
#####
#
#   TEST TESTTEST IOTWMS COMMS TEST 9 JUNE 2021 - NOT A REAL TSUNAMI EVENT
#
#####
```

```
-----
TEST TSUNAMI BULLETIN NUMBER 1 (TYPE-I EARTHQUAKE BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)
ISSUED AT 0605 UTC Wednesday 09 June 2021
-----
```

... 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: 9.0 Mwp
Depth: 10km
Date: 09 Jun 2021
Origin Time: 0600 UTC
Latitude: 6.94S
Longitude: 104.70E
Location: SUNDA STRAIT, 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

IOC Reference: ICG/IOTWMS/COMMS/ER/Jun21

TEST TESTTEST IOTWMS COMMS TEST 9 JUNE 2021 - NOT A REAL TSUNAMI EVENT

#####

Appendix H: Test Messages Transmitted by each TSP (continued)

TSP AUSTRALIA Message 2

```
IDY68501
#####
#
#   TEST TESTTEST IOTWMS COMMS TEST 9 JUNE 2021 - NOT A REAL TSUNAMI EVENT
#
#####
```

```
-----
TEST TSUNAMI BULLETIN NUMBER 2 (TYPE-II THREAT ASSESSMENT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)
ISSUED AT 0615 UTC Wednesday 09 June 2021
-----
```

... 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: 9.0 Mwp
Depth: 10km
Date: 09 Jun 2021
Origin Time: 0600 UTC
Latitude: 6.94S
Longitude: 104.70E
Location: SUNDA STRAIT, 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			
CHRISTMAS ISLAND	0610Z	09Jun2021	14.73m
COCOS ISLAND	0704Z	09Jun2021	5.97m
NINGALOO COAST	0816Z	09Jun2021	2.38m
PILBARA COAST WEST	0844Z	09Jun2021	1.44m
GASCOYNE COAST	0906Z	09Jun2021	1.57m
PILBARA COAST EAST	0956Z	09Jun2021	1.48m
WEST KIMBERLY COAST	1016Z	09Jun2021	0.59m
GERALDTON COAST	1036Z	09Jun2021	0.84m
NORTH KIMBERLY COAST	1122Z	09Jun2021	0.60m
LEEUVIN COAST	1146Z	09Jun2021	0.74m
LANCELIN COAST	1152Z	09Jun2021	0.67m
BUNBURY GEOGRAPHE COAST	1326Z	09Jun2021	0.77m
PERTH COAST	1430Z	09Jun2021	0.61m
HEARD ISLAND AND MCDONALD ISLANDS	1436Z	09Jun2021	7.80m
AURORA BANK	1450Z	09Jun2021	5.22m
ALBANY COAST	2326Z	09Jun2021	1.00m

FRANCE			
ILE SAINT-PAUL-NORTH	1148Z	09Jun2021	3.40m
ILE SAINT-PAUL-SOUTH	1156Z	09Jun2021	6.67m
SAINT-JOSEPH	1306Z	09Jun2021	1.52m
SAINT-DENIS	1310Z	09Jun2021	0.61m
ILE KERGUELEN	1404Z	09Jun2021	3.12m
NES CROZET	1446Z	09Jun2021	4.27m
ILE DE LA POSSESSION	1446Z	09Jun2021	4.77m
CROZET PLATEAU	1458Z	09Jun2021	7.01m

INDIA			
INDIRA POINT	0836Z	09Jun2021	0.81m
MARAKKANAM	1020Z	09Jun2021	0.95m
CUDDALORE	1024Z	09Jun2021	0.86m
CHENNAI	1026Z	09Jun2021	1.29m
PUDUCHERRY	1026Z	09Jun2021	0.74m
MAHABALI PURAM	1026Z	09Jun2021	1.29m
POOMBUHAR	1030Z	09Jun2021	1.14m
SRIHARIKOTA	1034Z	09Jun2021	1.17m
MACHILIPATNAM	1046Z	09Jun2021	0.74m
PORT BLAIR	1056Z	09Jun2021	0.68m
HAVELOCK	1104Z	09Jun2021	0.80m
KANYAKUMARI	1106Z	09Jun2021	1.39m
NIJAMPATTANAM	1114Z	09Jun2021	0.73m
KOTTAPATNAM	1114Z	09Jun2021	0.89m
NAGAPATTINAM	1132Z	09Jun2021	0.78m
ENNORE	1144Z	09Jun2021	1.93m
KARAIKAL	1152Z	09Jun2021	0.86m
PURI	1224Z	09Jun2021	0.51m
PARADIP	1238Z	09Jun2021	0.61m
NORTH SENTINEL ISLAND	1254Z	09Jun2021	0.84m
TRIVANDRUM	1306Z	09Jun2021	0.71m
FLAT ISLAND	1308Z	09Jun2021	0.54m
KOODANKULAM	1320Z	09Jun2021	1.39m
TUTICORIN	1336Z	09Jun2021	0.55m
JAMBOO	1406Z	09Jun2021	0.56m
VISAKHAPATNAM	1410Z	09Jun2021	0.53m
KASARAGOD	1426Z	09Jun2021	0.55m
KANNUR	1432Z	09Jun2021	0.54m
GOPALPUR	1436Z	09Jun2021	0.58m
ALLEPPEY ALAPPUZHA	1518Z	09Jun2021	0.69m
DHAMRA	1618Z	09Jun2021	0.58m
LITTLE ANDAMAN	1728Z	09Jun2021	0.69m
QUILON	2150Z	09Jun2021	0.56m
KAKINADA	0428Z	10Jun2021	0.52m

INDONESIA			
BENGKULU BENGKULU-UTARA P.ENGGANO	0600Z	09Jun2021	11.78m
BANTEN PANDEGLANG S	0610Z	09Jun2021	15.05m
JABAR SUKABUMI UJUNG-GENTENG	0612Z	09Jun2021	17.02m
BANTEN PANDEGLANG P.PANAITAN	0612Z	09Jun2021	14.84m
BANTEN LEBAK	0614Z	09Jun2021	13.85m
JABAR CIANJUR SINDANGBARANG	0614Z	09Jun2021	21.92m
LAMPUNG TANGGAMUS B	0614Z	09Jun2021	16.89m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0616Z	09Jun2021	2.70m
JABAR SUKABUMI PELABUHAN-RATU	0616Z	09Jun2021	19.68m
JABAR TASIKMALAYA	0618Z	09Jun2021	13.55m
JABAR GARUT	0618Z	09Jun2021	13.44m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0618Z	09Jun2021	20.44m
BENGKULU KAUR	0624Z	09Jun2021	12.57m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0624Z	09Jun2021	17.43m
BENGKULU BENGKULU-SELATAN	0624Z	09Jun2021	8.55m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0626Z	09Jun2021	14.04m
BENGKULU SELUMA	0626Z	09Jun2021	7.49m
BANTEN SERANG B	0628Z	09Jun2021	6.74m
LAMPUNG TANGGAMUS T	0628Z	09Jun2021	7.88m
BANTEN KOTA-CILEGON P.SANGIANG	0628Z	09Jun2021	6.74m
JABAR CIAMIS	0628Z	09Jun2021	3.57m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0628Z	09Jun2021	6.74m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0628Z	09Jun2021	4.31m
BENGKULU BENGKULU-UTARA U	0630Z	09Jun2021	2.60m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0630Z	09Jun2021	10.63m
LAMPUNG TANGGAMUS P.TABUAN	0630Z	09Jun2021	5.11m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0632Z	09Jun2021	1.77m
JATENG PURWOREJO	0634Z	09Jun2021	2.06m
JATENG KEBUMEN	0634Z	09Jun2021	2.35m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0636Z	09Jun2021	10.63m
BENGKULU BENGKULU-UTARA S	0638Z	09Jun2021	4.51m
LAMPUNG LAMPUNG-SELATAN B	0640Z	09Jun2021	7.34m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0640Z	09Jun2021	7.34m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0640Z	09Jun2021	2.12m
DIY BANTUL	0642Z	09Jun2021	2.58m
JATENG CILACAP	0642Z	09Jun2021	3.27m
DIY KULON-PROGO	0642Z	09Jun2021	1.93m
MUARASIBERUT	0642Z	09Jun2021	1.33m
DIY GUNUNG-KIDUL	0644Z	09Jun2021	2.17m
BANTEN PANDEGLANG U	0644Z	09Jun2021	3.00m
BENGKULU MUKOMUKO	0646Z	09Jun2021	3.06m
JATIM PACITAN	0650Z	09Jun2021	2.25m
JATENG WONOGIRI	0650Z	09Jun2021	2.06m
JATIM TRENGGALEK	0652Z	09Jun2021	1.68m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0658Z	09Jun2021	3.88m
SUMBAR PESISIR-SELATAN S	0658Z	09Jun2021	2.16m
SUMUT NIAS-SELATAN P.TANABALA	0700Z	09Jun2021	1.18m
JATIM MALANG	0700Z	09Jun2021	0.97m
JATIM BLITAR	0702Z	09Jun2021	0.97m
SUMUT NIAS-SELATAN P.TANAHMASA	0704Z	09Jun2021	0.81m
JATIM JEMBER P.NUSABARUNG	0706Z	09Jun2021	1.12m
JATIM TULUNGAGUNG	0708Z	09Jun2021	0.74m
JATIM BANYUWANGI S	0710Z	09Jun2021	0.99m
SUMUT NIAS B	0712Z	09Jun2021	1.21m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0714Z	09Jun2021	2.56m
SUMUT NIAS-SELATAN P.NIAS	0714Z	09Jun2021	1.21m
JATIM JEMBER	0716Z	09Jun2021	1.01m
JATIM LUMAJANG	0726Z	09Jun2021	1.07m
NIAS-EAST	0726Z	09Jun2021	1.74m
NAD SIMEULUE P.SIMEULUE	0728Z	09Jun2021	1.34m
NIAS	0732Z	09Jun2021	0.62m
NAD ACEH-SINGKIL KEP.BANYAK	0734Z	09Jun2021	0.82m
BALI BADUNG PANTAI-KUTA	0740Z	09Jun2021	0.84m
BALI TABANAN	0742Z	09Jun2021	0.85m
BALI DENPASAR PANTAI-SANUR	0744Z	09Jun2021	0.84m

BALI KLUNGKUNG P.NUSAPENIDA	0746Z	09Jun2021	0.72m
NTB SUMBAWA B	0802Z	09Jun2021	0.68m
NTB LOMBOK-BARAT S	0806Z	09Jun2021	0.68m
SUMBAR PESISIR-SELATAN U	0806Z	09Jun2021	1.29m
MUARASIGEP	0816Z	09Jun2021	1.08m
MURASAIBI	0822Z	09Jun2021	1.06m
NAD ACEH-JAYA	0822Z	09Jun2021	1.08m
SAKUBO	0826Z	09Jun2021	1.22m
SUMBAR KOTA-PADANG S	0828Z	09Jun2021	0.99m
SUMBAR KOTA-PARIAMAN	0828Z	09Jun2021	1.01m
NTT SUMBA T	0830Z	09Jun2021	0.74m
SUMBAR PADANG-PARIAMAN U	0830Z	09Jun2021	0.96m
SUMBAR KOTA-PADANG U	0832Z	09Jun2021	1.15m
SUMBAR KOTA-PADANG U	0832Z	09Jun2021	2.27m
SUMBAR PADANG-PARIAMAN S	0832Z	09Jun2021	0.95m
NAD ACEH-BARAT	0832Z	09Jun2021	0.75m
NTT SUMBA B	0834Z	09Jun2021	0.84m
NTB DOMPU S	0834Z	09Jun2021	0.55m
NIAS-NORTH	0836Z	09Jun2021	0.85m
NTB KOTA-BIMA S	0838Z	09Jun2021	0.69m
SUMBAR AGAM	0840Z	09Jun2021	1.43m
NTT KUPANG	0848Z	09Jun2021	0.60m
NTB LOMBOK-TIMUR S	0920Z	09Jun2021	0.66m
NAD ACEH-BARAT-DAYA	0922Z	09Jun2021	0.66m
SUMUT MANDAILING-NATAL S	0922Z	09Jun2021	1.94m
NAD NAGAN-RAYA	0922Z	09Jun2021	0.85m
NAD ACEH-BESAR B	0924Z	09Jun2021	0.79m
NTB LOMBOK-TENGAH	0926Z	09Jun2021	0.62m
SUMUT TAPANULI-TENGAH U	0936Z	09Jun2021	1.08m
NTB SUMBAWA S	0952Z	09Jun2021	0.85m
NTT MANGGARAI-BARAT P.	1008Z	09Jun2021	0.67m
NTT MANGGARAI-BARAT S	1014Z	09Jun2021	0.75m
NTT MANGGARAI S	1032Z	09Jun2021	0.55m
PANTE MACASSAR	1130Z	09Jun2021	0.51m
NTT BELU U	1130Z	09Jun2021	0.50m
SUMUT MANDAILING-NATAL U	1136Z	09Jun2021	1.81m
SOUTH OF BODAHAYIONE	1204Z	09Jun2021	0.81m
SUMUT TAPANULI-SELATAN	1226Z	09Jun2021	1.61m
SUMUT TAPANULI-TENGAH S	1242Z	09Jun2021	1.37m
SUMUT TAPANULI-TENGAH KEP.MURSALA	1248Z	09Jun2021	1.02m
NAD ACEH-SINGKIL	1310Z	09Jun2021	0.83m
GUNUNGSITOLI	1316Z	09Jun2021	0.69m
NAD ACEH-SELATAN S	1418Z	09Jun2021	0.52m

KENYA

KIWAYU 2344Z 09Jun2021 0.58m

MADAGASCAR

TOAMASINA AIRPORT	1404Z	09Jun2021	1.93m
AMBAHY	1408Z	09Jun2021	1.80m
FARAFAGANA	1414Z	09Jun2021	2.03m
MANANTENINA	1416Z	09Jun2021	1.36m
VOHEMAR	1418Z	09Jun2021	0.81m
TAMPOLO	1516Z	09Jun2021	1.34m
ANOROTSANGANA	1532Z	09Jun2021	0.64m
ANDROKA	1622Z	09Jun2021	0.77m
SAMPONA	1622Z	09Jun2021	1.93m
EUROPA ISLAND	1756Z	09Jun2021	0.55m

MALDIVES

HITHADHOO	1010Z	09Jun2021	0.96m
THINADHOO	1010Z	09Jun2021	1.04m
DHIYAMIGILI	1016Z	09Jun2021	1.10m
KOLHUFUSHI	1020Z	09Jun2021	0.93m
MALE	1026Z	09Jun2021	1.06m
KULHUDUFFUSHI	1034Z	09Jun2021	0.99m

IOC Reference: ICG/IOTWMS/COMMS/ER/Jun21

NILANDHOO	1040Z	09Jun2021	1.14m
GOIDHOO	1048Z	09Jun2021	0.85m
FERIDHOO	1100Z	09Jun2021	0.82m

MAURITIUS

LA FERME	1152Z	09Jun2021	2.04m
CARGADOS CARAJOS	1230Z	09Jun2021	1.38m
GRANDE REVIERE SUD EST-EAST	1242Z	09Jun2021	1.69m
GRANDE REVIERE SUD EST-WEST	1300Z	09Jun2021	1.17m

MOZAMBIQUE

INHARRIME	1726Z	09Jun2021	1.03m
MAPUTO	1744Z	09Jun2021	0.85m
POMENE	1744Z	09Jun2021	0.63m
XAI-XAI	1750Z	09Jun2021	1.10m
ZAVALA	1756Z	09Jun2021	0.61m
MALUANA	1822Z	09Jun2021	0.95m
VILANKULO	1826Z	09Jun2021	0.67m
MOEBASE	1844Z	09Jun2021	0.99m
VILA DO CHINDE	1848Z	09Jun2021	0.95m
OCONE	1848Z	09Jun2021	0.95m
AMADE	1852Z	09Jun2021	0.62m
NAMORRE	1908Z	09Jun2021	0.72m
MOGINCUAL	2206Z	09Jun2021	0.53m

OMAN

TAQAH	1522Z	09Jun2021	0.76m
SALALAH	1528Z	09Jun2021	0.78m
MIRBAT	1530Z	09Jun2021	0.61m
HASIK	1542Z	09Jun2021	0.67m
MUSCAT	0330Z	10Jun2021	0.50m

SEYCHELLES

FREGATE ISLAND	1324Z	09Jun2021	0.76m
TAKAMAKA	1522Z	09Jun2021	0.99m

SOMALIA

TOOXIN	1446Z	09Jun2021	0.90m
BANDER-BEYLA	1448Z	09Jun2021	0.86m
EYL	1516Z	09Jun2021	0.73m
CEEL DHEER	1526Z	09Jun2021	0.58m
MAREEG	1538Z	09Jun2021	0.77m
ABO	1554Z	09Jun2021	0.54m
GALDOGOB	1610Z	09Jun2021	0.56m

SOUTH AFRICA

FUNK SEAMOUNT	1626Z	09Jun2021	4.38m
MARGATE	1710Z	09Jun2021	3.82m
PORT ELIZABETH	1712Z	09Jun2021	1.57m
GEORGE	1712Z	09Jun2021	1.57m
ELLIOTDALE	1712Z	09Jun2021	1.57m
PORT ST JOHNS	1712Z	09Jun2021	1.57m
LUSIKISIKI	1712Z	09Jun2021	1.57m
BATHURST	1712Z	09Jun2021	1.57m
HANKEY	1712Z	09Jun2021	1.57m
ZIKHOVA	1712Z	09Jun2021	1.57m
GAMTOOS	1712Z	09Jun2021	1.57m
BREDASDORP	1712Z	09Jun2021	1.57m
WITAAND	1712Z	09Jun2021	1.57m
NGQUELENI	1712Z	09Jun2021	1.57m
HEIDELBERG	1712Z	09Jun2021	1.57m
KAYSER'S BEACH	1712Z	09Jun2021	1.57m
MOSSEL	1712Z	09Jun2021	1.57m
BIZANA	1712Z	09Jun2021	2.80m
WILLOWVALE	1712Z	09Jun2021	1.57m
KENTANI	1712Z	09Jun2021	1.57m

MARSHSTRAND	1712Z	09Jun2021	1.57m
PEDDIE	1712Z	09Jun2021	1.57m
ALEXANDRIA	1712Z	09Jun2021	1.57m
HUMANSDORP	1712Z	09Jun2021	1.57m
KOSIMEER	1732Z	09Jun2021	1.15m
PORT DURNFORD	1742Z	09Jun2021	2.48m
GWABALANDA HITAWI	1744Z	09Jun2021	1.69m
LAKE SIBAYI	1748Z	09Jun2021	2.01m
KELSO	1750Z	09Jun2021	2.93m
MANDI	1758Z	09Jun2021	2.04m
ABORETUM	1806Z	09Jun2021	2.38m

SRI LANKA

KIRINDA	0926Z	09Jun2021	0.91m
POTTUVIL	0928Z	09Jun2021	1.02m
OKANDA	0928Z	09Jun2021	1.04m
HAMBANTOTA	0930Z	09Jun2021	1.12m
AKKARAI PATTU	0930Z	09Jun2021	1.01m
BATTICALOA	0932Z	09Jun2021	1.01m
TANGALLE	0932Z	09Jun2021	0.87m
MATARA	0934Z	09Jun2021	0.89m
GALLE	0936Z	09Jun2021	0.88m
KATTANKUDI	0940Z	09Jun2021	0.94m
AMBALANGODA	0942Z	09Jun2021	0.56m
ANAITIVU	0946Z	09Jun2021	0.96m
PANKULAM	0948Z	09Jun2021	0.77m
MULLAITTIVU	0954Z	09Jun2021	0.69m
BERUWALA	0954Z	09Jun2021	0.61m
CHUNDIKKULAM	1002Z	09Jun2021	0.72m
MORATUWA	1008Z	09Jun2021	0.84m
NEGOMBO	1242Z	09Jun2021	0.54m

TANZANIA

MADANGWA	1654Z	09Jun2021	0.57m
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UNITED KINGDOM

DIEGO GARCIA	1004Z	09Jun2021	1.29m
MORESBY ISLAND	1012Z	09Jun2021	1.08m
NW EGMONT ISLAND	1028Z	09Jun2021	0.87m

YEMEN

SOCOTRA ISLAND SOUTH	1442Z	09Jun2021	1.07m
SOCOTRA ISLAND WEST	1530Z	09Jun2021	0.56m
DAMQAWT	1542Z	09Jun2021	0.68m
AL GHAYDAH AIRPORT	1546Z	09Jun2021	0.76m
KHANFAR	1934Z	09Jun2021	0.65m
ADEN	2040Z	09Jun2021	0.55m

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)

IOC Reference: ICG/IOTWMS/COMMS/ER/June21

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

END OF BULLETIN

TEST TESTTEST IOTWMS COMMS TEST 9 JUNE 2021 - NOT A REAL TSUNAMI EVENT

#####

Appendix H: Test Messages Transmitted by each TSP (continued)

TSP AUSTRALIA Message 3

```
IDY68501
#####
#
#   TEST TESTTEST IOTWMS COMMS TEST 9 JUNE 2021 - NOT A REAL TSUNAMI EVENT
#
#####
```

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TEST TSUNAMI BULLETIN NUMBER 3 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)
ISSUED AT 0630 UTC Wednesday 09 June 2021
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... CONFIRMED TSUNAMI THREAT IN THE INDIAN OCEAN...

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

1. EARTHQUAKE INFORMATION

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

Magnitude: 9.0 Mwp
Depth: 10km
Date: 09 Jun 2021
Origin Time: 0600 UTC
Latitude: 6.94S
Longitude: 104.70E
Location: SUNDA STRAIT, INDONESIA

2. EVALUATION

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

Bengkunat	INDONESIA	5.52S 104.21E	1.30m	09 Jun 06:15 UTC
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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			
CHRISTMAS ISLAND	0610Z	09Jun2021	14.73m
COCOS ISLAND	0704Z	09Jun2021	5.97m
NINGALOO COAST	0816Z	09Jun2021	2.38m
PILBARA COAST WEST	0844Z	09Jun2021	1.44m
GASCOYNE COAST	0906Z	09Jun2021	1.57m
PILBARA COAST EAST	0956Z	09Jun2021	1.48m
WEST KIMBERLY COAST	1016Z	09Jun2021	0.59m
GERALDTON COAST	1036Z	09Jun2021	0.84m
NORTH KIMBERLY COAST	1122Z	09Jun2021	0.60m
LEEUEWIN COAST	1146Z	09Jun2021	0.74m
LANCELIN COAST	1152Z	09Jun2021	0.67m
BUNBURY GEOGRAPHE COAST	1326Z	09Jun2021	0.77m
PERTH COAST	1430Z	09Jun2021	0.61m
HEARD ISLAND AND MCDONALD ISLANDS	1436Z	09Jun2021	7.80m
AURORA BANK	1450Z	09Jun2021	5.22m
ALBANY COAST	2326Z	09Jun2021	1.00m
FRANCE			
ILE SAINT-PAUL-NORTH	1148Z	09Jun2021	3.40m
ILE SAINT-PAUL-SOUTH	1156Z	09Jun2021	6.67m
SAINT-JOSEPH	1306Z	09Jun2021	1.52m
SAINT-DENIS	1310Z	09Jun2021	0.61m
ILE KERGUELEN	1404Z	09Jun2021	3.12m
NES CROZET	1446Z	09Jun2021	4.27m
ILE DE LA POSSESSION	1446Z	09Jun2021	4.77m
CROZET PLATEAU	1458Z	09Jun2021	7.01m
INDIA			
INDIRA POINT	0836Z	09Jun2021	0.81m
MARAKKANAM	1020Z	09Jun2021	0.95m
CUDDALORE	1024Z	09Jun2021	0.86m
CHENNAI	1026Z	09Jun2021	1.29m
PUDUCHERRY	1026Z	09Jun2021	0.74m
MAHABALIPURAM	1026Z	09Jun2021	1.29m
POOMBUHAR	1030Z	09Jun2021	1.14m
SRIHARIKOTA	1034Z	09Jun2021	1.17m
MACHILIPATNAM	1046Z	09Jun2021	0.74m
PORT BLAIR	1056Z	09Jun2021	0.68m
HAVELOCK	1104Z	09Jun2021	0.80m
KANYAKUMARI	1106Z	09Jun2021	1.39m
NIJAMPATTANAM	1114Z	09Jun2021	0.73m
KOTTAPATNAM	1114Z	09Jun2021	0.89m
NAGAPATTINAM	1132Z	09Jun2021	0.78m
ENNORE	1144Z	09Jun2021	1.93m
KARAIKAL	1152Z	09Jun2021	0.86m
PURI	1224Z	09Jun2021	0.51m
PARADIP	1238Z	09Jun2021	0.61m
NORTH SENTINEL ISLAND	1254Z	09Jun2021	0.84m
TRIVANDRUM	1306Z	09Jun2021	0.71m
FLAT ISLAND	1308Z	09Jun2021	0.54m
KOODANKULAM	1320Z	09Jun2021	1.39m
TUTICORIN	1336Z	09Jun2021	0.55m
JAMBOO	1406Z	09Jun2021	0.56m
VISAKHAPATNAM	1410Z	09Jun2021	0.53m
KASARAGOD	1426Z	09Jun2021	0.55m
KANNUR	1432Z	09Jun2021	0.54m
GOPALPUR	1436Z	09Jun2021	0.58m
ALLEPPEY ALAPPUZHA	1518Z	09Jun2021	0.69m
DHAMRA	1618Z	09Jun2021	0.58m
LITTLE ANDAMAN	1728Z	09Jun2021	0.69m
QUILON	2150Z	09Jun2021	0.56m
KAKINADA	0428Z	10Jun2021	0.52m
INDONESIA			
BENGKULU BENGKULU-UTARA P.ENGGANO	0600Z	09Jun2021	11.78m

BANTEN PANDEGLANG S	0610Z	09Jun2021	15.05m
JABAR SUKABUMI UJUNG-GENTENG	0612Z	09Jun2021	17.02m
BANTEN PANDEGLANG P.PANAITAN	0612Z	09Jun2021	14.84m
BANTEN LEBAK	0614Z	09Jun2021	13.85m
JABAR CIANJUR SINDANGBARANG	0614Z	09Jun2021	21.92m
LAMPUNG TANGGAMUS B	0614Z	09Jun2021	16.89m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0616Z	09Jun2021	2.70m
JABAR SUKABUMI PELABUHAN-RATU	0616Z	09Jun2021	19.68m
JABAR TASIKMALAYA	0618Z	09Jun2021	13.55m
JABAR GARUT	0618Z	09Jun2021	13.44m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0618Z	09Jun2021	20.44m
BENGKULU KAUR	0624Z	09Jun2021	12.57m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0624Z	09Jun2021	17.43m
BENGKULU BENGKULU-SELATAN	0624Z	09Jun2021	8.55m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0626Z	09Jun2021	14.04m
BENGKULU SELUMA	0626Z	09Jun2021	7.49m
BANTEN SERANG B	0628Z	09Jun2021	6.74m
LAMPUNG TANGGAMUS T	0628Z	09Jun2021	7.88m
BANTEN KOTA-CILEGON P.SANGIANG	0628Z	09Jun2021	6.74m
JABAR CIAMIS	0628Z	09Jun2021	3.57m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0628Z	09Jun2021	6.74m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0628Z	09Jun2021	4.31m
BENGKULU BENGKULU-UTARA U	0630Z	09Jun2021	2.60m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0630Z	09Jun2021	10.63m
LAMPUNG TANGGAMUS P.TABUAN	0630Z	09Jun2021	5.11m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0632Z	09Jun2021	1.77m
JATENG PURWOREJO	0634Z	09Jun2021	2.06m
JATENG KEBUMEN	0634Z	09Jun2021	2.35m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0636Z	09Jun2021	10.63m
BENGKULU BENGKULU-UTARA S	0638Z	09Jun2021	4.51m
LAMPUNG LAMPUNG-SELATAN B	0640Z	09Jun2021	7.34m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0640Z	09Jun2021	7.34m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0640Z	09Jun2021	2.12m
DIY BANTUL	0642Z	09Jun2021	2.58m
JATENG CILACAP	0642Z	09Jun2021	3.27m
DIY KULON-PROGO	0642Z	09Jun2021	1.93m
MUARASIBERUT	0642Z	09Jun2021	1.33m
DIY GUNUNG-KIDUL	0644Z	09Jun2021	2.17m
BANTEN PANDEGLANG U	0644Z	09Jun2021	3.00m
BENGKULU MUKOMUKO	0646Z	09Jun2021	3.06m
JATIM PACITAN	0650Z	09Jun2021	2.25m
JATENG WONOGIRI	0650Z	09Jun2021	2.06m
JATIM TRENGGALEK	0652Z	09Jun2021	1.68m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0658Z	09Jun2021	3.88m
SUMBAR PESISIR-SELATAN S	0658Z	09Jun2021	2.16m
SUMUT NIAS-SELATAN P.TANABALA	0700Z	09Jun2021	1.18m
JATIM MALANG	0700Z	09Jun2021	0.97m
JATIM BLITAR	0702Z	09Jun2021	0.97m
SUMUT NIAS-SELATAN P.TANAHMASA	0704Z	09Jun2021	0.81m
JATIM JEMBER P.NUSABARUNG	0706Z	09Jun2021	1.12m
JATIM TULUNGAGUNG	0708Z	09Jun2021	0.74m
JATIM BANYUWANGI S	0710Z	09Jun2021	0.99m
SUMUT NIAS B	0712Z	09Jun2021	1.21m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0714Z	09Jun2021	2.56m
SUMUT NIAS-SELATAN P.NIAS	0714Z	09Jun2021	1.21m
JATIM JEMBER	0716Z	09Jun2021	1.01m
JATIM LUMAJANG	0726Z	09Jun2021	1.07m
NIAS-EAST	0726Z	09Jun2021	1.74m
NAD SIMEULUE P.SIMEULUE	0728Z	09Jun2021	1.34m
NIAS	0732Z	09Jun2021	0.62m
NAD ACEH-SINGKIL KEP.BANYAK	0734Z	09Jun2021	0.82m
BALI BADUNG PANTAI-KUTA	0740Z	09Jun2021	0.84m
BALI TABANAN	0742Z	09Jun2021	0.85m
BALI DENPASAR PANTAI-SANUR	0744Z	09Jun2021	0.84m
BALI KLUNGKUNG P.NUSAPENIDA	0746Z	09Jun2021	0.72m
NTB SUMBAWA B	0802Z	09Jun2021	0.68m

NTB LOMBOK-BARAT S	0806Z	09Jun2021	0.68m
SUMBAR PESISIR-SELATAN U	0806Z	09Jun2021	1.29m
MUARASIGEP	0816Z	09Jun2021	1.08m
MURASAIBI	0822Z	09Jun2021	1.06m
NAD ACEH-JAYA	0822Z	09Jun2021	1.08m
SAKUBO	0826Z	09Jun2021	1.22m
SUMBAR KOTA-PADANG S	0828Z	09Jun2021	0.99m
SUMBAR KOTA-PARIAMAN	0828Z	09Jun2021	1.01m
NTT SUMBA T	0830Z	09Jun2021	0.74m
SUMBAR PADANG-PARIAMAN U	0830Z	09Jun2021	0.96m
SUMBAR KOTA-PADANG U	0832Z	09Jun2021	1.15m
SUMBAR KOTA-PADANG U	0832Z	09Jun2021	2.27m
SUMBAR PADANG-PARIAMAN S	0832Z	09Jun2021	0.95m
NAD ACEH-BARAT	0832Z	09Jun2021	0.75m
NTT SUMBA B	0834Z	09Jun2021	0.84m
NTB DOMPU S	0834Z	09Jun2021	0.55m
NIAS-NORTH	0836Z	09Jun2021	0.85m
NTB KOTA-BIMA S	0838Z	09Jun2021	0.69m
SUMBAR AGAM	0840Z	09Jun2021	1.43m
NTT KUPANG	0848Z	09Jun2021	0.60m
NTB LOMBOK-TIMUR S	0920Z	09Jun2021	0.66m
NAD ACEH-BARAT-DAYA	0922Z	09Jun2021	0.66m
SUMUT MANDAILING-NATAL S	0922Z	09Jun2021	1.94m
NAD NAGAN-RAYA	0922Z	09Jun2021	0.85m
NAD ACEH-BESAR B	0924Z	09Jun2021	0.79m
NTB LOMBOK-TENGAH	0926Z	09Jun2021	0.62m
SUMUT TAPANULI-TENGAH U	0936Z	09Jun2021	1.08m
NTB SUMBAWA S	0952Z	09Jun2021	0.85m
NTT MANGGARAI-BARAT P.	1008Z	09Jun2021	0.67m
NTT MANGGARAI-BARAT S	1014Z	09Jun2021	0.75m
NTT MANGGARAI S	1032Z	09Jun2021	0.55m
PANTE MACASSAR	1130Z	09Jun2021	0.51m
NTT BELU U	1130Z	09Jun2021	0.50m
SUMUT MANDAILING-NATAL U	1136Z	09Jun2021	1.81m
SOUTH OF BODAHAYIONE	1204Z	09Jun2021	0.81m
SUMUT TAPANULI-SELATAN	1226Z	09Jun2021	1.61m
SUMUT TAPANULI-TENGAH S	1242Z	09Jun2021	1.37m
SUMUT TAPANULI-TENGAH KEP.MURSALA	1248Z	09Jun2021	1.02m
NAD ACEH-SINGKIL	1310Z	09Jun2021	0.83m
GUNUNGSITOLI	1316Z	09Jun2021	0.69m
NAD ACEH-SELATAN S	1418Z	09Jun2021	0.52m

KENYA

KIWAYU 2344Z 09Jun2021 0.58m

MADAGASCAR

TOAMASINA AIRPORT	1404Z	09Jun2021	1.93m
AMBAHY	1408Z	09Jun2021	1.80m
FARAFAGANA	1414Z	09Jun2021	2.03m
MANANTENINA	1416Z	09Jun2021	1.36m
VOHEMAR	1418Z	09Jun2021	0.81m
TAMPOLO	1516Z	09Jun2021	1.34m
ANOROTSANGANA	1532Z	09Jun2021	0.64m
ANDROKA	1622Z	09Jun2021	0.77m
SAMPONA	1622Z	09Jun2021	1.93m
EUROPA ISLAND	1756Z	09Jun2021	0.55m

MALDIVES

HITHADHOO	1010Z	09Jun2021	0.96m
THINADHOO	1010Z	09Jun2021	1.04m
DHIYAMIGILI	1016Z	09Jun2021	1.10m
KOLHUFUSHI	1020Z	09Jun2021	0.93m
MALE	1026Z	09Jun2021	1.06m
KULHUDUFFUSHI	1034Z	09Jun2021	0.99m
NILANDHOO	1040Z	09Jun2021	1.14m
GOIDHOO	1048Z	09Jun2021	0.85m

FERIDHOO 1100Z 09Jun2021 0.82m

MAURITIUS
 LA FERME 1152Z 09Jun2021 2.04m
 CARGADOS CARAJOS 1230Z 09Jun2021 1.38m
 GRANDE REVIERE SUD EST-EAST 1242Z 09Jun2021 1.69m
 GRANDE REVIERE SUD EST-WEST 1300Z 09Jun2021 1.17m

MOZAMBIQUE
 INHARRIME 1726Z 09Jun2021 1.03m
 MAPUTO 1744Z 09Jun2021 0.85m
 POMENE 1744Z 09Jun2021 0.63m
 XAI-XAI 1750Z 09Jun2021 1.10m
 ZAVALA 1756Z 09Jun2021 0.61m
 MALUANA 1822Z 09Jun2021 0.95m
 VILANKULO 1826Z 09Jun2021 0.67m
 MOEBASE 1844Z 09Jun2021 0.99m
 VILA DO CHINDE 1848Z 09Jun2021 0.95m
 OCOE 1848Z 09Jun2021 0.95m
 AMADE 1852Z 09Jun2021 0.62m
 NAMORRE 1908Z 09Jun2021 0.72m
 MOGINCUAL 2206Z 09Jun2021 0.53m

OMAN
 TAQAH 1522Z 09Jun2021 0.76m
 SALALAH 1528Z 09Jun2021 0.78m
 MIRBAT 1530Z 09Jun2021 0.61m
 HASIK 1542Z 09Jun2021 0.67m
 MUSCAT 0330Z 10Jun2021 0.50m

SEYCHELLES
 FREGATE ISLAND 1324Z 09Jun2021 0.76m
 TAKAMAKA 1522Z 09Jun2021 0.99m

SOMALIA
 TOOXIN 1446Z 09Jun2021 0.90m
 BANDER-BEYLA 1448Z 09Jun2021 0.86m
 EYL 1516Z 09Jun2021 0.73m
 CEEL DHEER 1526Z 09Jun2021 0.58m
 MAREEG 1538Z 09Jun2021 0.77m
 ABO 1554Z 09Jun2021 0.54m
 GALDOGOB 1610Z 09Jun2021 0.56m

SOUTH AFRICA
 FUNK SEAMOUNT 1626Z 09Jun2021 4.38m
 MARGATE 1710Z 09Jun2021 3.82m
 PORT ELIZABETH 1712Z 09Jun2021 1.57m
 GEORGE 1712Z 09Jun2021 1.57m
 ELLIOTDALE 1712Z 09Jun2021 1.57m
 PORT ST JOHNS 1712Z 09Jun2021 1.57m
 LUSIKISIKI 1712Z 09Jun2021 1.57m
 BATHURST 1712Z 09Jun2021 1.57m
 HANKEY 1712Z 09Jun2021 1.57m
 ZIKHOVA 1712Z 09Jun2021 1.57m
 GAMTOOS 1712Z 09Jun2021 1.57m
 BREDASDORP 1712Z 09Jun2021 1.57m
 WITAAND 1712Z 09Jun2021 1.57m
 NGQUELENI 1712Z 09Jun2021 1.57m
 HEIDELBERG 1712Z 09Jun2021 1.57m
 KAYSER'S BEACH 1712Z 09Jun2021 1.57m
 MOSSEL 1712Z 09Jun2021 1.57m
 BIZANA 1712Z 09Jun2021 2.80m
 WILLOWVALE 1712Z 09Jun2021 1.57m
 KENTANI 1712Z 09Jun2021 1.57m
 MARSHSTRAND 1712Z 09Jun2021 1.57m
 PEDDIE 1712Z 09Jun2021 1.57m

ALEXANDRIA	1712Z	09Jun2021	1.57m
HUMANSDORP	1712Z	09Jun2021	1.57m
KOSIMEER	1732Z	09Jun2021	1.15m
PORT DURNFORD	1742Z	09Jun2021	2.48m
GWABALANDA HITAWI	1744Z	09Jun2021	1.69m
LAKE SIBAYI	1748Z	09Jun2021	2.01m
KELSO	1750Z	09Jun2021	2.93m
MANDI	1758Z	09Jun2021	2.04m
ABORETUM	1806Z	09Jun2021	2.38m

SRI LANKA

KIRINDA	0926Z	09Jun2021	0.91m
POTTUVIL	0928Z	09Jun2021	1.02m
OKANDA	0928Z	09Jun2021	1.04m
HAMBANTOTA	0930Z	09Jun2021	1.12m
AKKARAI PATTU	0930Z	09Jun2021	1.01m
BATTICALOA	0932Z	09Jun2021	1.01m
TANGALLE	0932Z	09Jun2021	0.87m
MATARA	0934Z	09Jun2021	0.89m
GALLE	0936Z	09Jun2021	0.88m
KATTANKUDI	0940Z	09Jun2021	0.94m
AMBALANGODA	0942Z	09Jun2021	0.56m
ANAITIVU	0946Z	09Jun2021	0.96m
PANKULAM	0948Z	09Jun2021	0.77m
MULLAITTIVU	0954Z	09Jun2021	0.69m
BERUWALA	0954Z	09Jun2021	0.61m
CHUNDIKKULAM	1002Z	09Jun2021	0.72m
MORATUWA	1008Z	09Jun2021	0.84m
NEGOMBO	1242Z	09Jun2021	0.54m

TANZANIA

MADANGWA	1654Z	09Jun2021	0.57m
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UNITED KINGDOM

DIEGO GARCIA	1004Z	09Jun2021	1.29m
MORESBY ISLAND	1012Z	09Jun2021	1.08m
NW EGMONT ISLAND	1028Z	09Jun2021	0.87m

YEMEN

SOCOTRA ISLAND SOUTH	1442Z	09Jun2021	1.07m
SOCOTRA ISLAND WEST	1530Z	09Jun2021	0.56m
DAMQAWT	1542Z	09Jun2021	0.68m
AL GHAYDAH AIRPORT	1546Z	09Jun2021	0.76m
KHANFAR	1934Z	09Jun2021	0.65m
ADEN	2040Z	09Jun2021	0.55m

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

IOC Reference: ICG/IOTWMS/COMMS/ER/Jun21

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

END OF BULLETIN

TEST TESTTEST IOTWMS COMMS TEST 9 JUNE 2021 - NOT A REAL TSUNAMI EVENT

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Appendix H: Test Messages Transmitted by each TSP (continued)

TSP AUSTRALIA Message 4

IDY68504

TEST TESTTEST IOTWMS COMMS TEST 9 JUNE 2021 - NOT A REAL TSUNAMI EVENT

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TEST TSUNAMI BULLETIN NUMBER 4 (TYPE-IV FINAL BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)
ISSUED AT 0645 UTC Wednesday 09 June 2021

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

1. EARTHQUAKE INFORMATION

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

Magnitude: 9.0 Mwp
Depth: 10km
Date: 09 Jun 2021
Origin Time: 0600 UTC
Latitude: 6.94S
Longitude: 104.70E
Location: SUNDA STRAIT, 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.

Bengkunat	INDONESIA	5.52S 104.21E	4.50m	09 Jun 06:15 UTC
TanjungLesung	INDONESIA	6.50S 105.50E	2.10m	09 Jun 06:30 UTC

4. ADVICE

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

5. UPDATES

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

Other IOTWMS-TSPs may issue additional information at:

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

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

6. CONTACT INFORMATION

IOTWMS-TSP AUSTRALIA

IOC Reference: ICG/IOTWMS/COMMS/ER/Jun21

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 TESTTEST IOTWMS COMMS TEST 9 JUNE 2021 - NOT A REAL TSUNAMI EVENT

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Appendix H: Test Messages Transmitted by each TSP (continued)

TSP INDIA Test Start Message

WEIO20 DEMS 090600

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IOTWMS COMMS TEST 09 JUNE 2021 - NOT A REAL TSUNAMI EVENT

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TEST TSUNAMI STARTUP MESSAGE NOTIFICATION IOTWMS TSUNAMI SERVICE PROVIDER INDIA
(ITEWC) ISSUED AT 0600 UTC WEDNESDAY 09 JUNE 2021

TO: INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES (NTWC)

FROM: IOTWMS-TSP INDIA

A COMMUNICATIONS TEST OF THE IOTWMS IS ABOUT TO COMMENCE.

PARTICIPATING NATIONAL TSUNAMI WARNING CENTRES SHOULD REFER TO THE TECHNICAL
MANUAL DOCUMENT FOR DETAILS OF THE TEST NOTIFICATION MESSAGES THEY ARE ABOUT TO
RECEIVE, AND THE TEST LOG THEY ARE REQUIRED TO COMPLETE.

THIS IS A TEST ONLY.

END OF TEST NOTIFICATION MESSAGE.

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IOTWMS COMMS TEST 09 JUNE 2021 - NOT A REAL TSUNAMI EVENT

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Appendix H: Test Messages Transmitted by each TSP (continued)

TSP INDIA Message 1

WEIO20 DEMS 090606

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IOTWMS COMMS TEST - NOT A REAL TSUNAMI EVENT

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TSUNAMI BULLETIN NUMBER 1 (TYPE-I EARTHQUAKE BULLETIN)

IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWC)

ISSUED AT 0605 UTC WEDNESDAY 09 JUNE 2021

... 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: 9.0 M

Depth: 10 km

Date: 09 JUN 2021

Origin Time: 0600UTC

Latitude: 6.94 S

Longitude: 104.7 E

Location: SUNDA STRAIT, 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. Further information on this event will be available at:

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

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

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

IOC Reference: ICG/IOTWMS/COMMS/ER/Jun21

IOTWMS COMMS TEST - NOT A REAL TSUNAMI EVENT

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Appendix H: Test Messages Transmitted by each TSP (continued)

TSP INDIA Message2

WEIO20 DEMS 090617

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IOTWMS COMMS TEST - NOT A REAL TSUNAMI EVENT

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TSUNAMI BULLETIN NUMBER 2 (TYPE-II THREAT ASSESSMENT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 0616 UTC Wednesday 09 June 2021

... 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: 9 M
Depth: 10 km
Date: 09 JUN 2021
Origin Time: 0600 UTC
Latitude: 6.94 S
Longitude: 104.7 E
Location: SUNDA STRAIT, 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

CHRISTMAS ISLAND	0623z	09 Jun 2021	3.3m	Threat
COCOS ISLAND	0717z	09 Jun 2021	1.2m	Threat
NINGALOO COAST	0836z	09 Jun 2021	1.8m	Threat
PILBARA COAST WEST	0901z	09 Jun 2021	3.0m	Threat
GASCOYNE COAST	0921z	09 Jun 2021	1.7m	Threat
PILBARA COAST EAST	0936z	09 Jun 2021	2.0m	Threat
GERALDTON COAST	1001z	09 Jun 2021	1.8m	Threat
WEST KIMBERLY COAST	1002z	09 Jun 2021	1.4m	Threat
PERTH COAST	1038z	09 Jun 2021	1.2m	Threat
BUNBURY GEOGRAPHE COAST	1047z	09 Jun 2021	1.2m	Threat
LEEUEWIN COAST	1048z	09 Jun 2021	1.1m	Threat

NORTH KIMBERLY COAST	1106z	09	Jun	2021	0.8m	Threat
HEARD ISLAND AND MCDONALD ISLANDS	1531z	09	Jun	2021	1.5m	Threat
AURORA BANK	1610z	09	Jun	2021	0.8m	Threat
ALBANY COAST	1612z	09	Jun	2021	1.1m	Threat
LANCELIN COAST	1639z	09	Jun	2021	1.1m	Threat
BEAGLE BONAPARTE COAST	0024z	10	Jun	2021	0.6m	Threat
NORTH TIWI COAST	0625z	10	Jun	2021	0.6m	Threat

BANGLADESH

COXS BAZAR	0210z	10	Jun	2021	0.7m	Threat
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DJIBOUTI

NW ARTA	2153z	09	Jun	2021	0.6m	Threat
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FRANCE

LLE SAINT-PAUL-NORTH	1222z	09	Jun	2021	0.6m	Threat
LLE SAINT-PAUL-SOUTH	1231z	09	Jun	2021	1.4m	Threat
ILE KERGUELEN	1508z	09	Jun	2021	3.4m	Threat
ILE DE LA POSSESSION	1554z	09	Jun	2021	1.4m	Threat
CROZET PLATEAU	1615z	09	Jun	2021	1.5m	Threat
SAINT - JOSEPH	1949z	09	Jun	2021	0.5m	Threat

INDIA

POOMBUHAR	1108z	09	Jun	2021	1.0m	Threat
KARAIKAL	1113z	09	Jun	2021	1.2m	Threat
CUDDALORE	1114z	09	Jun	2021	1.3m	Threat
ENNORE	1118z	09	Jun	2021	1.0m	Threat
MARAKKANAM	1118z	09	Jun	2021	1.0m	Threat
MAHABALIPURAM	1121z	09	Jun	2021	1.5m	Threat
PUDUCHERRY	1124z	09	Jun	2021	1.3m	Threat
CHENNAI	1126z	09	Jun	2021	1.2m	Threat
NAGAPATTINAM	1129z	09	Jun	2021	1.0m	Threat
SRIHARIKOTA	1136z	09	Jun	2021	1.2m	Threat
MACHILIPATNAM	1139z	09	Jun	2021	1.0m	Threat
PORT BLAIR	1142z	09	Jun	2021	1.1m	Threat
PERUPALEM	1143z	09	Jun	2021	0.7m	Threat
KAKINADA	1145z	09	Jun	2021	0.9m	Threat
KANYAKUMARI	1151z	09	Jun	2021	1.2m	Threat
KOTTAPATNAM	1152z	09	Jun	2021	1.8m	Threat
VISAKHAPATNAM	1200z	09	Jun	2021	0.8m	Threat
FLAT ISLAND	1242z	09	Jun	2021	0.8m	Threat
INDIRA POINT	1331z	09	Jun	2021	1.0m	Threat
MALLIPATTINAM	1340z	09	Jun	2021	0.7m	Threat
MUTHUPET	1346z	09	Jun	2021	0.6m	Threat
NIJAMPATTANAM	1353z	09	Jun	2021	1.6m	Threat
RAMESWARAM	1355z	09	Jun	2021	0.7m	Threat
TUTICORIN	1359z	09	Jun	2021	1.3m	Threat
KONADA	1403z	09	Jun	2021	0.9m	Threat
GOPALPUR	1404z	09	Jun	2021	0.7m	Threat
KALINGAPATNAM	1406z	09	Jun	2021	1.1m	Threat
KOODANKULAM	1408z	09	Jun	2021	1.2m	Threat
KOTTTAIPPATTANAM	1438z	09	Jun	2021	0.6m	Threat
ALLEPPEY ALAPPUZHA	1455z	09	Jun	2021	0.7m	Threat
AGATTI	1456z	09	Jun	2021	0.5m	Threat
PURI	1516z	09	Jun	2021	0.7m	Threat
HAVELOCK	1545z	09	Jun	2021	0.9m	Threat
COCHIN	1546z	09	Jun	2021	0.7m	Threat
RANGATH BAY	1549z	09	Jun	2021	0.6m	Threat
CAR NICOBAR	1606z	09	Jun	2021	0.6m	Threat
NORTH SENTINEL ISLAND	1733z	09	Jun	2021	0.6m	Threat
KARWAR	1807z	09	Jun	2021	0.8m	Threat
KOMATRA & KATCHAL ISLAND	1826z	09	Jun	2021	0.8m	Threat

JAMBOO	1835z	09	Jun	2021	0.6m	Threat
LITTLE ANDAMAN	1845z	09	Jun	2021	0.9m	Threat
QUILON	1903z	09	Jun	2021	0.7m	Threat
TRIVANDRUM	1904z	09	Jun	2021	0.8m	Threat
BEYPORE	1929z	09	Jun	2021	0.6m	Threat
VADANAPPALLY	2026z	09	Jun	2021	0.7m	Threat
DIGHA	2136z	09	Jun	2021	0.7m	Threat
WEST & LANDFALL ISLAND	0030z	10	Jun	2021	0.5m	Threat
UDUPI	0310z	10	Jun	2021	0.6m	Threat
KASARAGOD	0328z	10	Jun	2021	0.6m	Threat
KANNUR	0329z	10	Jun	2021	0.7m	Threat
VAKKAD	0435z	10	Jun	2021	0.5m	Threat

INDONESIA

BANTEN PANDEGLANG P.PANAITAN	0602z	09	Jun	2021	12.5m	Threat
LAMPUNG TANGGAMUS B	0602z	09	Jun	2021	10.8m	Threat
BANTEN LEBAK	0603z	09	Jun	2021	5.3m	Threat
JABAR SUKABUMI PELABUHAN-RATU	0603z	09	Jun	2021	6.8m	Threat
JABAR SUKABUMI UJUNG-GENTENG	0604z	09	Jun	2021	7.7m	Threat
JABAR CIANJUR SINDANGBARANG	0604z	09	Jun	2021	6.2m	Threat
BANTEN PANDEGLANG U	0604z	09	Jun	2021	6.6m	Threat
BANTEN PANDEGLANG S	0605z	09	Jun	2021	7.1m	Threat
JABAR GARUT	0607z	09	Jun	2021	9.6m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0609z	09	Jun	2021	11.7m	Threat
JABAR TASIKMALAYA	0609z	09	Jun	2021	4.5m	Threat
LAMPUNG TANGGAMUS P.TABUAN	0611z	09	Jun	2021	5.8m	Threat
LAMPUNG TANGGAMUS T	0612z	09	Jun	2021	9.1m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0613z	09	Jun	2021	8.1m	Threat
LAMPUNG LAMPUNG-SELATAN KALIANDA	0616z	09	Jun	2021	7.2m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0616z	09	Jun	2021	6.4m	Threat
JABAR CIAMIS	0617z	09	Jun	2021	4.6m	Threat
LAMPUNG LAMPUNG-SELATAN B	0618z	09	Jun	2021	4.2m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0620z	09	Jun	2021	7.3m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0621z	09	Jun	2021	6.3m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0621z	09	Jun	2021	5.1m	Threat
BENGKULU BENGKULU-UTARA P.ENGGANO	0624z	09	Jun	2021	6.2m	Threat
BENGKULU KAUR	0624z	09	Jun	2021	5.2m	Threat
BENGKULU BENGKULU-SELATAN	0629z	09	Jun	2021	3.3m	Threat
JATENG CILACAP	0632z	09	Jun	2021	3.0m	Threat
JATENG PURWOREJO	0634z	09	Jun	2021	2.1m	Threat
JATENG KEBUMEN	0636z	09	Jun	2021	2.4m	Threat
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0636z	09	Jun	2021	9.6m	Threat
BANTEN KOTA-CILEGON P.SANGIANG	0637z	09	Jun	2021	4.9m	Threat
BANTEN SERANG B	0638z	09	Jun	2021	5.7m	Threat
DIY KULON-PROGO	0639z	09	Jun	2021	2.2m	Threat
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0642z	09	Jun	2021	5.8m	Threat
DIY BANTUL	0642z	09	Jun	2021	2.0m	Threat
DIY GUNUNG-KIDUL	0644z	09	Jun	2021	2.9m	Threat
BENGKULU SELUMA	0647z	09	Jun	2021	3.7m	Threat
JATENG WONOGIRI	0651z	09	Jun	2021	2.7m	Threat
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0652z	09	Jun	2021	3.7m	Threat
JATIM PACITAN	0652z	09	Jun	2021	2.8m	Threat
BANTEN KOTA-CILEGON	0653z	09	Jun	2021	7.3m	Threat
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0659z	09	Jun	2021	3.4m	Threat
JATIM TRENGGALEK	0659z	09	Jun	2021	3.0m	Threat
BENGKULU BENGKULU-UTARA U	0702z	09	Jun	2021	2.2m	Threat
JATIM TULUNGAGUNG	0705z	09	Jun	2021	2.9m	Threat
BENGKULU BENGKULU-UTARA S	0706z	09	Jun	2021	4.0m	Threat
JATIM BLITAR	0708z	09	Jun	2021	2.5m	Threat
JATIM MALANG	0710z	09	Jun	2021	2.2m	Threat
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0713z	09	Jun	2021	1.7m	Threat
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0713z	09	Jun	2021	1.3m	Threat
JATIM JEMBER P.NUSABARUNG	0715z	09	Jun	2021	2.2m	Threat
MUARASIBERUT	0717z	09	Jun	2021	7.1m	Threat
JATIM BANYUWANGI S	0719z	09	Jun	2021	1.3m	Threat

BENGKULU MUKOMUKO	0719z	09 Jun 2021	2.4m	Threat
JATIM LUMAJANG	0720z	09 Jun 2021	3.5m	Threat
JATIM JEMBER	0721z	09 Jun 2021	2.7m	Threat
BALI DENPASAR PANTAI-SANUR	0728z	09 Jun 2021	1.4m	Threat
SUMBAR PESISIR-SELATAN S	0732z	09 Jun 2021	2.3m	Threat
BALI BADUNG PANTAI-KUTA	0733z	09 Jun 2021	1.5m	Threat
BALI TABANAN	0735z	09 Jun 2021	1.5m	Threat
BALI KLUNGKUNG P.NUSAPENIDA	0736z	09 Jun 2021	1.5m	Threat
SUMUT NIAS-SELATAN P.TANABALA	0737z	09 Jun 2021	1.3m	Threat
NTB LOMBOK-TENGAH	0739z	09 Jun 2021	2.0m	Threat
NTB LOMBOK-BARAT S	0743z	09 Jun 2021	1.2m	Threat
NTB LOMBOK-TIMUR S	0745z	09 Jun 2021	1.4m	Threat
NTB SUMBAWA B	0746z	09 Jun 2021	1.3m	Threat
SUMBAR PESISIR-SELATAN U	0752z	09 Jun 2021	1.4m	Threat
SAKUBO	0758z	09 Jun 2021	1.0m	Threat
NTB SUMBAWA S	0801z	09 Jun 2021	1.4m	Threat
SUMBAR KOTA-PADANG S	0802z	09 Jun 2021	1.4m	Threat
SUMUT NIAS B	0803z	09 Jun 2021	1.2m	Threat
MURASAIBI	0803z	09 Jun 2021	1.1m	Threat
NTB KOTA-BIMA S	0807z	09 Jun 2021	2.1m	Threat
NTT SUMBA B	0808z	09 Jun 2021	1.2m	Threat
MUARASIGEP	0808z	09 Jun 2021	1.1m	Threat
SUMBAR KOTA-PADANG U	0808z	09 Jun 2021	1.4m	Threat
SUMBAR KOTA-PADANG U	0808z	09 Jun 2021	2.5m	Threat
NTB DOMPU S	0809z	09 Jun 2021	0.8m	Threat
SUMBAR PADANG-PARIAMAN U	0813z	09 Jun 2021	1.7m	Threat
NTT SUMBA T	0814z	09 Jun 2021	1.2m	Threat
SUMBAR PADANG-PARIAMAN S	0814z	09 Jun 2021	1.4m	Threat
SUMBAR AGAM	0821z	09 Jun 2021	1.7m	Threat
NTT MANGGARAI-BARAT P.	0822z	09 Jun 2021	1.0m	Threat
NTT MANGGARAI-BARAT S	0836z	09 Jun 2021	1.0m	Threat
NIAS-EAST	0840z	09 Jun 2021	1.8m	Threat
SUMBAR KOTA-PARIAMAN	0841z	09 Jun 2021	1.6m	Threat
SUMUT MANDAILING-NATAL S	0906z	09 Jun 2021	1.6m	Threat
NTT KUPANG	0908z	09 Jun 2021	1.0m	Threat
NTT ROTENDAO	0924z	09 Jun 2021	0.9m	Threat
NTT KOTA-KUPANG	0931z	09 Jun 2021	1.1m	Threat
PANTE MACASSAR	0935z	09 Jun 2021	0.5m	Threat
NAD ACEH-SINGKIL KEP.BANYAK	0936z	09 Jun 2021	1.2m	Threat
NTT ALOR S	0939z	09 Jun 2021	0.5m	Threat
NTT BELU U	0947z	09 Jun 2021	0.5m	Threat
SUMUT TAPANULI-TENGAH KEP.MURSALA	1000z	09 Jun 2021	1.9m	Threat
NTT MANGGARAI S	1012z	09 Jun 2021	1.0m	Threat
SUMUT NIAS-SELATAN P.NIAS	1033z	09 Jun 2021	1.7m	Threat
NIAS	1101z	09 Jun 2021	1.6m	Threat
NAD ACEH-BARAT	1105z	09 Jun 2021	1.0m	Threat
NAD ACEH-BARAT-DAYA	1200z	09 Jun 2021	0.9m	Threat
NTT FLORES-TIMUR S	1210z	09 Jun 2021	0.8m	Threat
SUMUT MANDAILING-NATAL U	1212z	09 Jun 2021	1.7m	Threat
NAD ACEH-SELATAN S	1214z	09 Jun 2021	1.2m	Threat
NTT LEMBATA S	1229z	09 Jun 2021	0.6m	Threat
NAD NAGAN-RAYA	1252z	09 Jun 2021	0.9m	Threat
NIAS-NORTH	1310z	09 Jun 2021	1.1m	Threat
SUMUT TAPANULI-SELATAN	1329z	09 Jun 2021	1.8m	Threat
SUMUT TAPANULI-TENGAH S	1341z	09 Jun 2021	2.0m	Threat
SUMUT TAPANULI-TENGAH U	1433z	09 Jun 2021	1.2m	Threat
NTB BIMA P.GILI	1434z	09 Jun 2021	0.6m	Threat
NAD SIMEULUE P.SIMEULUE	1508z	09 Jun 2021	1.0m	Threat
GUNUNGSITOLI	1601z	09 Jun 2021	1.0m	Threat
SOUTH OF BODAHAYIONE	1620z	09 Jun 2021	0.9m	Threat
NAD ACEH-BESAR P.BREUEH	1721z	09 Jun 2021	0.5m	Threat
NAD ACEH-JAYA	1813z	09 Jun 2021	0.7m	Threat
SUMUT NIAS-SELATAN P.TANAHMASA	1845z	09 Jun 2021	0.8m	Threat
NAD ACEH-BESAR B	1856z	09 Jun 2021	0.7m	Threat
NTT FLORES-TIMUR P.SOLOR	1900z	09 Jun 2021	0.6m	Threat
NAD ACEH-SINGKIL	1925z	09 Jun 2021	0.9m	Threat

NAD ACEH-SELATAN U	2125z	09 Jun 2021	0.6m	Threat
NAD ACEH-UTARA T	0149z	10 Jun 2021	0.5m	Threat
NAD KOTA-BANDA-ACEH	0527z	10 Jun 2021	0.6m	Threat
NTT SIKKA S	0550z	10 Jun 2021	0.6m	Threat
KENYA				

MALINDI	2232z	09 Jun 2021	0.9m	Threat
KISIMACHANDE	0212z	10 Jun 2021	0.5m	Threat
MADAGASCAR				

TOAMASINA AIRPORT	1454z	09 Jun 2021	1.2m	Threat
AMBAHY	1458z	09 Jun 2021	1.7m	Threat
FARAFAGANA	1505z	09 Jun 2021	1.5m	Threat
MANANTENINA	1515z	09 Jun 2021	1.2m	Threat
TAMPOLO	1734z	09 Jun 2021	1.1m	Threat
SAMPONA	1759z	09 Jun 2021	1.1m	Threat
VOHEMAR	2205z	09 Jun 2021	0.8m	Threat
ANDROKA	0357z	10 Jun 2021	0.5m	Threat
GLORIOSO ISLANDS	0649z	10 Jun 2021	0.5m	Threat
MALDIVES				

HITHADHOO	1101z	09 Jun 2021	0.6m	Threat
DHIYAMIGILI	1108z	09 Jun 2021	1.8m	Threat
KULHUDUFFUSHI	1110z	09 Jun 2021	1.9m	Threat
MALE	1112z	09 Jun 2021	1.1m	Threat
KOLHUFUSHI	1114z	09 Jun 2021	0.9m	Threat
FERIDHOO	1308z	09 Jun 2021	0.7m	Threat
NILANDHOO	1320z	09 Jun 2021	1.0m	Threat
THINADHOO	1342z	09 Jun 2021	0.9m	Threat
GOIDHOO	1545z	09 Jun 2021	0.6m	Threat
MAURITIUS				

LA FERME	1243z	09 Jun 2021	0.9m	Threat
GRANDE REVIERE SUD EST-EAST	1414z	09 Jun 2021	0.7m	Threat
CARGADOS CARAJOS	1602z	09 Jun 2021	1.1m	Threat
MOZAMBIQUE				

MAGUEMBA	1940z	09 Jun 2021	0.7m	Threat
MALUANA	0037z	10 Jun 2021	1.0m	Threat
MAGANJA	0046z	10 Jun 2021	0.7m	Threat
INHARRIME	0121z	10 Jun 2021	0.7m	Threat
TAVARI	0134z	10 Jun 2021	0.8m	Threat
MAPUTO	0237z	10 Jun 2021	0.9m	Threat
XAI-XAI	0257z	10 Jun 2021	0.8m	Threat
ZAVALA	0509z	10 Jun 2021	0.7m	Threat
VILANKULO	0647z	10 Jun 2021	0.5m	Threat
MYANMAR				

MAWYEN	1658z	09 Jun 2021	0.7m	Threat
KYWEGYAUNG	2315z	09 Jun 2021	0.6m	Threat
CHEDUBA ISLAND	0325z	10 Jun 2021	0.6m	Threat
OMAN				

SALALAH	1715z	09 Jun 2021	0.7m	Threat
HASIK	2142z	09 Jun 2021	0.6m	Threat
AD DUQM	2337z	09 Jun 2021	0.6m	Threat
AL ASHKHARAH	0517z	10 Jun 2021	0.5m	Threat
SEYCHELLES				

 FREGATE ISLAND 1707z 09 Jun 2021 0.8m Threat
 TAKAMAKA 0232z 10 Jun 2021 0.5m Threat

SOMALIA

TOOXIN 1541z 09 Jun 2021 1.2m Threat
 BANDER-BEYLA 1726z 09 Jun 2021 1.0m Threat
 XARARDHEERE 1752z 09 Jun 2021 1.0m Threat
 CEEL DHEER 1801z 09 Jun 2021 0.8m Threat
 GALDOGOB 1849z 09 Jun 2021 0.8m Threat
 JARIIBAN 1919z 09 Jun 2021 0.7m Threat
 MUQDISHO 1931z 09 Jun 2021 0.6m Threat
 ABO 2045z 09 Jun 2021 0.9m Threat
 MAREEG 2146z 09 Jun 2021 0.6m Threat
 EYL 2207z 09 Jun 2021 0.6m Threat
 NE BEERNAASI 0448z 10 Jun 2021 0.6m Threat
 UARSCIECH 0639z 10 Jun 2021 0.5m Threat

SOUTH AFRICA

FUNK SEAMOUNT 1824z 09 Jun 2021 1.1m Threat
 MARSHSTRAND 2004z 09 Jun 2021 1.1m Threat
 BATHURST 2043z 09 Jun 2021 1.0m Threat
 LAKE SIBAYI 2105z 09 Jun 2021 0.6m Threat
 KAYSERS BEACH 2111z 09 Jun 2021 0.9m Threat
 PORT ELIZABETH 2133z 09 Jun 2021 0.9m Threat
 PORT ST JOHNS 2148z 09 Jun 2021 0.9m Threat
 MANDI 2202z 09 Jun 2021 1.2m Threat
 PORT DURNFORD 2225z 09 Jun 2021 0.7m Threat
 BREDASDORP 2315z 09 Jun 2021 1.0m Threat
 GEORGE 2330z 09 Jun 2021 0.7m Threat
 MOSSEL 2332z 09 Jun 2021 1.3m Threat
 GWABALANDA HITAWI 2341z 09 Jun 2021 0.7m Threat
 ALEXANDRIA 2354z 09 Jun 2021 0.7m Threat
 WITAAND 0008z 10 Jun 2021 1.4m Threat
 KOSIMEER 0029z 10 Jun 2021 0.6m Threat
 LUSIKISIKI 0039z 10 Jun 2021 1.0m Threat
 GAMTOOS 0101z 10 Jun 2021 0.7m Threat
 ELLIOTDALE 0109z 10 Jun 2021 0.6m Threat
 HEIDELBERG 0115z 10 Jun 2021 0.8m Threat
 ZIKHOVA 0123z 10 Jun 2021 0.8m Threat
 PEDDIE 0153z 10 Jun 2021 0.7m Threat
 WILLOWVALE 0155z 10 Jun 2021 0.7m Threat
 MARGATE 0210z 10 Jun 2021 0.7m Threat
 ABORETUM 0210z 10 Jun 2021 0.9m Threat
 KENTANI 0219z 10 Jun 2021 0.8m Threat
 BIZANA 0417z 10 Jun 2021 0.6m Threat

SRI LANKA

BATTICALOA 1008z 09 Jun 2021 0.9m Threat
 KIRINDA 1024z 09 Jun 2021 1.3m Threat
 HAMBANTOTA 1026z 09 Jun 2021 1.5m Threat
 MULLAITTIVU 1043z 09 Jun 2021 0.9m Threat
 AKKARAIPATTU 1108z 09 Jun 2021 0.8m Threat
 OKANDA 1131z 09 Jun 2021 0.8m Threat
 TANGALLE 1139z 09 Jun 2021 0.5m Threat
 KATTANKUDI 1144z 09 Jun 2021 1.4m Threat
 CHUNDIKKULAM 1217z 09 Jun 2021 1.2m Threat
 CHAVAKACHCHERI 1319z 09 Jun 2021 0.9m Threat
 POINT PEDRO 1337z 09 Jun 2021 0.9m Threat
 MATARA 1342z 09 Jun 2021 0.8m Threat
 MANNAR ISLAND 1428z 09 Jun 2021 0.6m Threat
 COLOMBO 1431z 09 Jun 2021 0.9m Threat
 GALLE 1442z 09 Jun 2021 0.9m Threat

ANAITIVU	1443z	09	Jun	2021	0.6m	Threat
AMBALANGODA	1447z	09	Jun	2021	0.6m	Threat
PANKULAM	1533z	09	Jun	2021	0.8m	Threat
MUNDAL LAKE	1626z	09	Jun	2021	0.6m	Threat
BERUWALA	1924z	09	Jun	2021	0.7m	Threat
MORATUWA	1935z	09	Jun	2021	0.7m	Threat
POTTUVIL	2320z	09	Jun	2021	0.8m	Threat
NEGOMBO	0226z	10	Jun	2021	0.5m	Threat
TANZANIA						

WEST TO KONDE	0008z	10	Jun	2021	0.5m	Threat
VUMBI	0444z	10	Jun	2021	0.5m	Threat
MSASANI	0549z	10	Jun	2021	0.7m	Threat
BAGAMOYO	0628z	10	Jun	2021	0.5m	Threat
THAILAND						

THAI MUEANG_TAKUA PA	0322z	10	Jun	2021	0.7m	Threat
KO RACHA NOI	0622z	10	Jun	2021	0.6m	Threat
TIMOR-LESTE						

PANTE MACASSAR	0931z	09	Jun	2021	0.5m	Threat
UNITED KINGDOM						

DIEGO GARCIA	1210z	09	Jun	2021	1.0m	Threat
MORESBY ISLAND	1441z	09	Jun	2021	0.6m	Threat
YEMEN						

SOCOTRA ISLAND SOUTH	1538z	09	Jun	2021	0.9m	Threat
AL GHAYDAH AIRPORT	1538z	09	Jun	2021	0.8m	Threat
SOCOTRA ISLAND NORTH	1837z	09	Jun	2021	0.8m	Threat
HUSWAYN	2106z	09	Jun	2021	0.6m	Threat
HAMI	2158z	09	Jun	2021	0.5m	Threat
DAMQAWT	2348z	09	Jun	2021	0.6m	Threat
MAALLAH	0111z	10	Jun	2021	0.5m	Threat
ALQUMRAH	0421z	10	Jun	2021	0.5m	Threat

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/rtsp/>

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

6. CONTACT INFORMATION

IOTWMS-TSP INDIA:

INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)

IOC Reference: ICG/IOTWMS/COMMS/ER/June21

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

IOTWMS COMMS TEST- NOT A REAL TSUNAMI EVENT

#####

Appendix H: Test Messages Transmitted by each TSP (continued)

TSP INDIA Message 3

WEIO20 DEMS 090629

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#####  
#  
# IOTWMS COMMS TEST - NOT A REAL TSUNAMI EVENT  
#  
#####  
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-
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TSUNAMI BULLETIN NUMBER 3 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 0629 UTC Wednesday 09 June 2021

... 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 M
Depth: 10 km
Date: 09 JUN 2021
Origin Time: 0600UTC
Latitude: 6.94 S
Longitude: 104.7 E
Location: SUNDA STRAIT, INDONESIA

2. EVALUATION

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

Christmas Island(AUSTRALIA) 10.4 S 105.67 E 0616z 09 Jun 2021 5.2m

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

CHRISTMAS ISLAND	0623z	09 Jun 2021	3.3m	Threat
COCOS ISLAND	0717z	09 Jun 2021	1.2m	Threat
NINGALOO COAST	0836z	09 Jun 2021	1.8m	Threat
PILBARA COAST WEST	0901z	09 Jun 2021	3.0m	Threat
GASCOYNE COAST	0921z	09 Jun 2021	1.7m	Threat
PILBARA COAST EAST	0936z	09 Jun 2021	2.0m	Threat
GERALDTON COAST	1001z	09 Jun 2021	1.8m	Threat
WEST KIMBERLY COAST	1002z	09 Jun 2021	1.4m	Threat
PERTH COAST	1038z	09 Jun 2021	1.2m	Threat
BUNBURY GEOGRAPHE COAST	1047z	09 Jun 2021	1.2m	Threat
LEEUVIN COAST	1048z	09 Jun 2021	1.1m	Threat
NORTH KIMBERLY COAST	1106z	09 Jun 2021	0.8m	Threat

HEARD ISLAND AND MCDONALD ISLANDS	1531z	09	Jun	2021	1.5m	Threat
AURORA BANK	1610z	09	Jun	2021	0.8m	Threat
ALBANY COAST	1612z	09	Jun	2021	1.1m	Threat
LANCELIN COAST	1639z	09	Jun	2021	1.1m	Threat
BEAGLE BONAPARTE COAST	0024z	10	Jun	2021	0.6m	Threat
NORTH TIWI COAST	0625z	10	Jun	2021	0.6m	Threat
BANGLADESH						

COXS BAZAR	0210z	10	Jun	2021	0.7m	Threat
DJIBOUTI						

NW ARTA	2153z	09	Jun	2021	0.6m	Threat
FRANCE						

LLE SAINT-PAUL-NORTH	1222z	09	Jun	2021	0.6m	Threat
LLE SAINT-PAUL-SOUTH	1231z	09	Jun	2021	1.4m	Threat
ILE KERGUELEN	1508z	09	Jun	2021	3.4m	Threat
ILE DE LA POSSESSION	1554z	09	Jun	2021	1.4m	Threat
CROZET PLATEAU	1615z	09	Jun	2021	1.5m	Threat
SAINT - JOSEPH	1949z	09	Jun	2021	0.5m	Threat
INDIA						

POOMBUHAR	1108z	09	Jun	2021	1.0m	Threat
KARAIKAL	1113z	09	Jun	2021	1.2m	Threat
CUDDALORE	1114z	09	Jun	2021	1.3m	Threat
ENNORE	1118z	09	Jun	2021	1.0m	Threat
MARAKKANAM	1118z	09	Jun	2021	1.0m	Threat
MAHABALIPURAM	1121z	09	Jun	2021	1.5m	Threat
PUDUCHERRY	1124z	09	Jun	2021	1.3m	Threat
CHENNAI	1126z	09	Jun	2021	1.2m	Threat
NAGAPATTINAM	1129z	09	Jun	2021	1.0m	Threat
SRIHARIKOTA	1136z	09	Jun	2021	1.2m	Threat
MACHILIPATNAM	1139z	09	Jun	2021	1.0m	Threat
PORT BLAIR	1142z	09	Jun	2021	1.1m	Threat
PERUPALEM	1143z	09	Jun	2021	0.7m	Threat
KAKINADA	1145z	09	Jun	2021	0.9m	Threat
KANYAKUMARI	1151z	09	Jun	2021	1.2m	Threat
KOTTAPATNAM	1152z	09	Jun	2021	1.8m	Threat
VISAKHAPATNAM	1200z	09	Jun	2021	0.8m	Threat
FLAT ISLAND	1242z	09	Jun	2021	0.8m	Threat
INDIRA POINT	1331z	09	Jun	2021	1.0m	Threat
MALLIPATTINAM	1340z	09	Jun	2021	0.7m	Threat
MUTHUPET	1346z	09	Jun	2021	0.6m	Threat
NIJAMPATTANAM	1353z	09	Jun	2021	1.6m	Threat
RAMESWARAM	1355z	09	Jun	2021	0.7m	Threat
TUTICORIN	1359z	09	Jun	2021	1.3m	Threat
KONADA	1403z	09	Jun	2021	0.9m	Threat
GOPALPUR	1404z	09	Jun	2021	0.7m	Threat
KALINGAPATNAM	1406z	09	Jun	2021	1.1m	Threat
KOODANKULAM	1408z	09	Jun	2021	1.2m	Threat
KOTTTAIPPATTANAM	1438z	09	Jun	2021	0.6m	Threat
ALLEPPEY ALAPPUZHA	1455z	09	Jun	2021	0.7m	Threat
AGATTI	1456z	09	Jun	2021	0.5m	Threat
PURI	1516z	09	Jun	2021	0.7m	Threat
HAVELOCK	1545z	09	Jun	2021	0.9m	Threat
COCHIN	1546z	09	Jun	2021	0.7m	Threat
RANGATH BAY	1549z	09	Jun	2021	0.6m	Threat
CAR NICOBAR	1606z	09	Jun	2021	0.6m	Threat
NORTH SENTINEL ISLAND	1733z	09	Jun	2021	0.6m	Threat
KARWAR	1807z	09	Jun	2021	0.8m	Threat
KOMATRA & KATCHAL ISLAND	1826z	09	Jun	2021	0.8m	Threat
JAMBOO	1835z	09	Jun	2021	0.6m	Threat

LITTLE ANDAMAN	1845z	09 Jun 2021	0.9m	Threat
QUILON	1903z	09 Jun 2021	0.7m	Threat
TRIVANDRUM	1904z	09 Jun 2021	0.8m	Threat
BEYPORE	1929z	09 Jun 2021	0.6m	Threat
VADANAPPALLY	2026z	09 Jun 2021	0.7m	Threat
DIGHA	2136z	09 Jun 2021	0.7m	Threat
WEST & LANDFALL ISLAND	0030z	10 Jun 2021	0.5m	Threat
UDUPI	0310z	10 Jun 2021	0.6m	Threat
KASARAGOD	0328z	10 Jun 2021	0.6m	Threat
KANNUR	0329z	10 Jun 2021	0.7m	Threat
VAKKAD	0435z	10 Jun 2021	0.5m	Threat

INDONESIA

BANTEN PANDEGLANG P.PANAITAN	0602z	09 Jun 2021	12.5m	Threat
LAMPUNG TANGGAMUS B	0602z	09 Jun 2021	10.8m	Threat
BANTEN LEBAK	0603z	09 Jun 2021	5.3m	Threat
JABAR SUKABUMI PELABUHAN-RATU	0603z	09 Jun 2021	6.8m	Threat
JABAR SUKABUMI UJUNG-GENTENG	0604z	09 Jun 2021	7.7m	Threat
JABAR CIANJUR SINDANGBARANG	0604z	09 Jun 2021	6.2m	Threat
BANTEN PANDEGLANG U	0604z	09 Jun 2021	6.6m	Threat
BANTEN PANDEGLANG S	0605z	09 Jun 2021	7.1m	Threat
JABAR GARUT	0607z	09 Jun 2021	9.6m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0609z	09 Jun 2021	11.7m	Threat
JABAR TASIKMALAYA	0609z	09 Jun 2021	4.5m	Threat
LAMPUNG TANGGAMUS P.TABUAN	0611z	09 Jun 2021	5.8m	Threat
LAMPUNG TANGGAMUS T	0612z	09 Jun 2021	9.1m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0613z	09 Jun 2021	8.1m	Threat
LAMPUNG LAMPUNG-SELATAN KALIANDA	0616z	09 Jun 2021	7.2m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0616z	09 Jun 2021	6.4m	Threat
JABAR CIAMIS	0617z	09 Jun 2021	4.6m	Threat
LAMPUNG LAMPUNG-SELATAN B	0618z	09 Jun 2021	4.2m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0620z	09 Jun 2021	7.3m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0621z	09 Jun 2021	6.3m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0621z	09 Jun 2021	5.1m	Threat
BENGKULU BENGKULU-UTARA P.ENGGANO	0624z	09 Jun 2021	6.2m	Threat
BENGKULU KAUR	0624z	09 Jun 2021	5.2m	Threat
BENGKULU BENGKULU-SELATAN	0629z	09 Jun 2021	3.3m	Threat
JATENG CILACAP	0632z	09 Jun 2021	3.0m	Threat
JATENG PURWOREJO	0634z	09 Jun 2021	2.1m	Threat
JATENG KEBUMEN	0636z	09 Jun 2021	2.4m	Threat
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0636z	09 Jun 2021	9.6m	Threat
BANTEN KOTA-CILEGON P.SANGIANG	0637z	09 Jun 2021	4.9m	Threat
BANTEN SERANG B	0638z	09 Jun 2021	5.7m	Threat
DIY KULON-PROGO	0639z	09 Jun 2021	2.2m	Threat
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0642z	09 Jun 2021	5.8m	Threat
DIY BANTUL	0642z	09 Jun 2021	2.0m	Threat
DIY GUNUNG-KIDUL	0644z	09 Jun 2021	2.9m	Threat
BENGKULU SELUMA	0647z	09 Jun 2021	3.7m	Threat
JATENG WONOGIRI	0651z	09 Jun 2021	2.7m	Threat
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0652z	09 Jun 2021	3.7m	Threat
JATIM PACITAN	0652z	09 Jun 2021	2.8m	Threat
BANTEN KOTA-CILEGON	0653z	09 Jun 2021	7.3m	Threat
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0659z	09 Jun 2021	3.4m	Threat
JATIM TRENGGALEK	0659z	09 Jun 2021	3.0m	Threat
BENGKULU BENGKULU-UTARA U	0702z	09 Jun 2021	2.2m	Threat
JATIM TULUNGAGUNG	0705z	09 Jun 2021	2.9m	Threat
BENGKULU BENGKULU-UTARA S	0706z	09 Jun 2021	4.0m	Threat
JATIM BLITAR	0708z	09 Jun 2021	2.5m	Threat
JATIM MALANG	0710z	09 Jun 2021	2.2m	Threat
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0713z	09 Jun 2021	1.7m	Threat
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0713z	09 Jun 2021	1.3m	Threat
JATIM JEMBER P.NUSABARUNG	0715z	09 Jun 2021	2.2m	Threat
MUARASIBERUT	0717z	09 Jun 2021	7.1m	Threat
JATIM BANYUWANGI S	0719z	09 Jun 2021	1.3m	Threat
BENGKULU MUKOMUKO	0719z	09 Jun 2021	2.4m	Threat

JATIM LUMAJANG	0720z	09 Jun 2021	3.5m	Threat
JATIM JEMBER	0721z	09 Jun 2021	2.7m	Threat
BALI DENPASAR PANTAI-SANUR	0728z	09 Jun 2021	1.4m	Threat
SUMBAR PESISIR-SELATAN S	0732z	09 Jun 2021	2.3m	Threat
BALI BADUNG PANTAI-KUTA	0733z	09 Jun 2021	1.5m	Threat
BALI TABANAN	0735z	09 Jun 2021	1.5m	Threat
BALI KLUNGKUNG P.NUSAPENIDA	0736z	09 Jun 2021	1.5m	Threat
SUMUT NIAS-SELATAN P.TANABALA	0737z	09 Jun 2021	1.3m	Threat
NTB LOMBOK-TENGAH	0739z	09 Jun 2021	2.0m	Threat
NTB LOMBOK-BARAT S	0743z	09 Jun 2021	1.2m	Threat
NTB LOMBOK-TIMUR S	0745z	09 Jun 2021	1.4m	Threat
NTB SUMBAWA B	0746z	09 Jun 2021	1.3m	Threat
SUMBAR PESISIR-SELATAN U	0752z	09 Jun 2021	1.4m	Threat
SAKUBO	0758z	09 Jun 2021	1.0m	Threat
NTB SUMBAWA S	0801z	09 Jun 2021	1.4m	Threat
SUMBAR KOTA-PADANG S	0802z	09 Jun 2021	1.4m	Threat
SUMUT NIAS B	0803z	09 Jun 2021	1.2m	Threat
MURASAIBI	0803z	09 Jun 2021	1.1m	Threat
NTB KOTA-BIMA S	0807z	09 Jun 2021	2.1m	Threat
NTT SUMBA B	0808z	09 Jun 2021	1.2m	Threat
MUARASIGEP	0808z	09 Jun 2021	1.1m	Threat
SUMBAR KOTA-PADANG U	0808z	09 Jun 2021	1.4m	Threat
SUMBAR KOTA-PADANG U	0808z	09 Jun 2021	2.5m	Threat
NTB DOMPU S	0809z	09 Jun 2021	0.8m	Threat
SUMBAR PADANG-PARIAMAN U	0813z	09 Jun 2021	1.7m	Threat
NTT SUMBA T	0814z	09 Jun 2021	1.2m	Threat
SUMBAR PADANG-PARIAMAN S	0814z	09 Jun 2021	1.4m	Threat
SUMBAR AGAM	0821z	09 Jun 2021	1.7m	Threat
NTT MANGGARAI-BARAT P.	0822z	09 Jun 2021	1.0m	Threat
NTT MANGGARAI-BARAT S	0836z	09 Jun 2021	1.0m	Threat
NIAS-EAST	0840z	09 Jun 2021	1.8m	Threat
SUMBAR KOTA-PARIAMAN	0841z	09 Jun 2021	1.6m	Threat
SUMUT MANDAILING-NATAL S	0906z	09 Jun 2021	1.6m	Threat
NTT KUPANG	0908z	09 Jun 2021	1.0m	Threat
NTT ROTENDAO	0924z	09 Jun 2021	0.9m	Threat
NTT KOTA-KUPANG	0931z	09 Jun 2021	1.1m	Threat
PANTE MACASSAR	0935z	09 Jun 2021	0.5m	Threat
NAD ACEH-SINGKIL KEP.BANYAK	0936z	09 Jun 2021	1.2m	Threat
NTT ALOR S	0939z	09 Jun 2021	0.5m	Threat
NTT BELU U	0947z	09 Jun 2021	0.5m	Threat
SUMUT TAPANULI-TENGAH KEP.MURSALA	1000z	09 Jun 2021	1.9m	Threat
NTT MANGGARAI S	1012z	09 Jun 2021	1.0m	Threat
SUMUT NIAS-SELATAN P.NIAS	1033z	09 Jun 2021	1.7m	Threat
NIAS	1101z	09 Jun 2021	1.6m	Threat
NAD ACEH-BARAT	1105z	09 Jun 2021	1.0m	Threat
NAD ACEH-BARAT-DAYA	1200z	09 Jun 2021	0.9m	Threat
NTT FLORES-TIMUR S	1210z	09 Jun 2021	0.8m	Threat
SUMUT MANDAILING-NATAL U	1212z	09 Jun 2021	1.7m	Threat
NAD ACEH-SELATAN S	1214z	09 Jun 2021	1.2m	Threat
NTT LEMBATA S	1229z	09 Jun 2021	0.6m	Threat
NAD NAGAN-RAYA	1252z	09 Jun 2021	0.9m	Threat
NIAS-NORTH	1310z	09 Jun 2021	1.1m	Threat
SUMUT TAPANULI-SELATAN	1329z	09 Jun 2021	1.8m	Threat
SUMUT TAPANULI-TENGAH S	1341z	09 Jun 2021	2.0m	Threat
SUMUT TAPANULI-TENGAH U	1433z	09 Jun 2021	1.2m	Threat
NTB BIMA P.GILI	1434z	09 Jun 2021	0.6m	Threat
NAD SIMEULUE P.SIMEULUE	1508z	09 Jun 2021	1.0m	Threat
GUNUNGSITOLI	1601z	09 Jun 2021	1.0m	Threat
SOUTH OF BODAHAYIONE	1620z	09 Jun 2021	0.9m	Threat
NAD ACEH-BESAR P.BREUEH	1721z	09 Jun 2021	0.5m	Threat
NAD ACEH-JAYA	1813z	09 Jun 2021	0.7m	Threat
SUMUT NIAS-SELATAN P.TANAHMASA	1845z	09 Jun 2021	0.8m	Threat
NAD ACEH-BESAR B	1856z	09 Jun 2021	0.7m	Threat
NTT FLORES-TIMUR P.SOLOR	1900z	09 Jun 2021	0.6m	Threat
NAD ACEH-SINGKIL	1925z	09 Jun 2021	0.9m	Threat
NAD ACEH-SELATAN U	2125z	09 Jun 2021	0.6m	Threat

NAD ACEH-UTARA T	0149z	10	Jun	2021	0.5m	Threat
NAD KOTA-BANDA-ACEH	0527z	10	Jun	2021	0.6m	Threat
NTT SIKKA S	0550z	10	Jun	2021	0.6m	Threat

KENYA

MALINDI	2232z	09	Jun	2021	0.9m	Threat
KISIMACHANDE	0212z	10	Jun	2021	0.5m	Threat

MADAGASCAR

TOAMASINA AIRPORT	1454z	09	Jun	2021	1.2m	Threat
AMBAHY	1458z	09	Jun	2021	1.7m	Threat
FARAFAGANA	1505z	09	Jun	2021	1.5m	Threat
MANANTENINA	1515z	09	Jun	2021	1.2m	Threat
TAMPOLO	1734z	09	Jun	2021	1.1m	Threat
SAMPONA	1759z	09	Jun	2021	1.1m	Threat
VOHEMAR	2205z	09	Jun	2021	0.8m	Threat
ANDROKA	0357z	10	Jun	2021	0.5m	Threat
GLORIOSO ISLANDS	0649z	10	Jun	2021	0.5m	Threat

MALDIVES

HITHADHOO	1101z	09	Jun	2021	0.6m	Threat
DHIYAMIGILI	1108z	09	Jun	2021	1.8m	Threat
KULHUDUFFUSHI	1110z	09	Jun	2021	1.9m	Threat
MALE	1112z	09	Jun	2021	1.1m	Threat
KOLHUFUSHI	1114z	09	Jun	2021	0.9m	Threat
FERIDHOO	1308z	09	Jun	2021	0.7m	Threat
NILANDHOO	1320z	09	Jun	2021	1.0m	Threat
THINADHOO	1342z	09	Jun	2021	0.9m	Threat
GOIDHOO	1545z	09	Jun	2021	0.6m	Threat

MAURITIUS

LA FERME	1243z	09	Jun	2021	0.9m	Threat
GRANDE REVIERE SUD EST-EAST	1414z	09	Jun	2021	0.7m	Threat
CARGADOS CARAJOS	1602z	09	Jun	2021	1.1m	Threat

MOZAMBIQUE

MAGUEMBA	1940z	09	Jun	2021	0.7m	Threat
MALUANA	0037z	10	Jun	2021	1.0m	Threat
MAGANJA	0046z	10	Jun	2021	0.7m	Threat
INHARRIME	0121z	10	Jun	2021	0.7m	Threat
TAVARI	0134z	10	Jun	2021	0.8m	Threat
MAPUTO	0237z	10	Jun	2021	0.9m	Threat
XAI-XAI	0257z	10	Jun	2021	0.8m	Threat
ZAVALA	0509z	10	Jun	2021	0.7m	Threat
VILANKULO	0647z	10	Jun	2021	0.5m	Threat

MYANMAR

MAWYEN	1658z	09	Jun	2021	0.7m	Threat
KYWEGYAUNG	2315z	09	Jun	2021	0.6m	Threat
CHEDUBA ISLAND	0325z	10	Jun	2021	0.6m	Threat

OMAN

SALALAH	1715z	09	Jun	2021	0.7m	Threat
HASIK	2142z	09	Jun	2021	0.6m	Threat
AD DUQM	2337z	09	Jun	2021	0.6m	Threat
AL ASHKHARAH	0517z	10	Jun	2021	0.5m	Threat

SEYCHELLES

FREGATE ISLAND	1707z	09 Jun 2021	0.8m	Threat
TAKAMAKA	0232z	10 Jun 2021	0.5m	Threat

SOMALIA

TOOXIN	1541z	09 Jun 2021	1.2m	Threat
BANDER-BEYLA	1726z	09 Jun 2021	1.0m	Threat
XARARDHEERE	1752z	09 Jun 2021	1.0m	Threat
CEEL DHEER	1801z	09 Jun 2021	0.8m	Threat
GALDOGOB	1849z	09 Jun 2021	0.8m	Threat
JARIIBAN	1919z	09 Jun 2021	0.7m	Threat
MUQDISHO	1931z	09 Jun 2021	0.6m	Threat
ABO	2045z	09 Jun 2021	0.9m	Threat
MAREEG	2146z	09 Jun 2021	0.6m	Threat
EYL	2207z	09 Jun 2021	0.6m	Threat
NE BEERNAASI	0448z	10 Jun 2021	0.6m	Threat
UARSCIECH	0639z	10 Jun 2021	0.5m	Threat

SOUTH AFRICA

FUNK SEAMOUNT	1824z	09 Jun 2021	1.1m	Threat
MARSHSTRAND	2004z	09 Jun 2021	1.1m	Threat
BATHURST	2043z	09 Jun 2021	1.0m	Threat
LAKE SIBAYI	2105z	09 Jun 2021	0.6m	Threat
KAYSERS BEACH	2111z	09 Jun 2021	0.9m	Threat
PORT ELIZABETH	2133z	09 Jun 2021	0.9m	Threat
PORT ST JOHNS	2148z	09 Jun 2021	0.9m	Threat
MANDI	2202z	09 Jun 2021	1.2m	Threat
PORT DURNFORD	2225z	09 Jun 2021	0.7m	Threat
BREDASDORP	2315z	09 Jun 2021	1.0m	Threat
GEORGE	2330z	09 Jun 2021	0.7m	Threat
MOSSEL	2332z	09 Jun 2021	1.3m	Threat
GWABALANDA HITAWI	2341z	09 Jun 2021	0.7m	Threat
ALEXANDRIA	2354z	09 Jun 2021	0.7m	Threat
WITAAND	0008z	10 Jun 2021	1.4m	Threat
KOSIMEER	0029z	10 Jun 2021	0.6m	Threat
LUSIKISIKI	0039z	10 Jun 2021	1.0m	Threat
GAMTOOS	0101z	10 Jun 2021	0.7m	Threat
ELLIOTDALE	0109z	10 Jun 2021	0.6m	Threat
HEIDELBERG	0115z	10 Jun 2021	0.8m	Threat
ZIKHOVA	0123z	10 Jun 2021	0.8m	Threat
PEDDIE	0153z	10 Jun 2021	0.7m	Threat
WILLOWVALE	0155z	10 Jun 2021	0.7m	Threat
MARGATE	0210z	10 Jun 2021	0.7m	Threat
ABORETUM	0210z	10 Jun 2021	0.9m	Threat
KENTANI	0219z	10 Jun 2021	0.8m	Threat
BIZANA	0417z	10 Jun 2021	0.6m	Threat

SRI LANKA

BATTICALOA	1008z	09 Jun 2021	0.9m	Threat
KIRINDA	1024z	09 Jun 2021	1.3m	Threat
HAMBANTOTA	1026z	09 Jun 2021	1.5m	Threat
MULLAITTIVU	1043z	09 Jun 2021	0.9m	Threat
AKKARAI PATTU	1108z	09 Jun 2021	0.8m	Threat
OKANDA	1131z	09 Jun 2021	0.8m	Threat
TANGALLE	1139z	09 Jun 2021	0.5m	Threat
KATTANKUDI	1144z	09 Jun 2021	1.4m	Threat
CHUNDIKKULAM	1217z	09 Jun 2021	1.2m	Threat
CHAVAKACHCHERI	1319z	09 Jun 2021	0.9m	Threat
POINT PEDRO	1337z	09 Jun 2021	0.9m	Threat
MATARA	1342z	09 Jun 2021	0.8m	Threat
MANNAR ISLAND	1428z	09 Jun 2021	0.6m	Threat
COLOMBO	1431z	09 Jun 2021	0.9m	Threat
GALLE	1442z	09 Jun 2021	0.9m	Threat
ANAITIVU	1443z	09 Jun 2021	0.6m	Threat

AMBALANGODA	1447z	09	Jun	2021	0.6m	Threat
PANKULAM	1533z	09	Jun	2021	0.8m	Threat
MUNDAL LAKE	1626z	09	Jun	2021	0.6m	Threat
BERUWALA	1924z	09	Jun	2021	0.7m	Threat
MORATUWA	1935z	09	Jun	2021	0.7m	Threat
POTTUVIL	2320z	09	Jun	2021	0.8m	Threat
NEGOMBO	0226z	10	Jun	2021	0.5m	Threat
TANZANIA						

WEST TO KONDE	0008z	10	Jun	2021	0.5m	Threat
VUMBI	0444z	10	Jun	2021	0.5m	Threat
MSASANI	0549z	10	Jun	2021	0.7m	Threat
BAGAMOYO	0628z	10	Jun	2021	0.5m	Threat
THAILAND						

THAI MUEANG TAKUA PA	0322z	10	Jun	2021	0.7m	Threat
KO RACHA NOI	0622z	10	Jun	2021	0.6m	Threat
TIMOR-LESTE						

PANTE MACASSAR	0931z	09	Jun	2021	0.5m	Threat
UNITED KINGDOM						

DIEGO GARCIA	1210z	09	Jun	2021	1.0m	Threat
MORESBY ISLAND	1441z	09	Jun	2021	0.6m	Threat
YEMEN						

SOCOTRA ISLAND SOUTH	1538z	09	Jun	2021	0.9m	Threat
AL GHAYDAH AIRPORT	1538z	09	Jun	2021	0.8m	Threat
SOCOTRA ISLAND NORTH	1837z	09	Jun	2021	0.8m	Threat
HUSWAYN	2106z	09	Jun	2021	0.6m	Threat
HAMI	2158z	09	Jun	2021	0.5m	Threat
DAMQAWT	2348z	09	Jun	2021	0.6m	Threat
MAALLAH	0111z	10	Jun	2021	0.5m	Threat
ALQUMRAH	0421z	10	Jun	2021	0.5m	Threat

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.inEND OF BULLETIN

IOTWMS COMMS TEST - NOT A REAL TSUNAMI EVENT

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Appendix H: Test Messages Transmitted by each TSP (continued)

TSP INDIA Message 4

WEIO20 DEMS 090644

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IOTWMS COMMS TEST 09 JUNE 2021 - NOT A REAL TSUNAMI EVENT

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TEST TSUNAMI BULLETIN NOTIFICATION MESSAGE NUMBER 4 IOTWMS TSUNAMI SERVICE PROVIDER
INDIA (ITEWC) ISSUED AT 0644 UTC WEDNESDAY 09 JUNE 2021

TO: INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES (NTWC)
FROM: IOTWMS-TSP INDIA

NOTIFICATION:

IOTWMS-TSP INDIA HAS JUST ISSUED TSUNAMI BULLETIN NUMBER 4 FOR THE INDIAN OCEAN,
BASED ON THE FOLLOWING EARTHQUAKE EVENT:

Magnitude : 9.0 M
Depth : 10.0 km
Date : 09 Jun 2021
Origin Time : 0600 UTC
Latitude : 6.94 S
Longitude : 104.70 E
Location : Sunda Strait, Indonesia

TO VIEW THE BULLETIN GO TO THE IOTWMS-TSP INDIA WEBSITE AT:
http://www.incois.gov.in/Incois/tsunami/COMM_login.jsp

NOTE: THIS IS A RESTRICTED-ACCESS WEBSITE CONTAINING TECHNICAL DATA FOR INDIAN OCEAN
NATIONAL TSUNAMI WARNING CENTRES ONLY. IT IS NOT FOR GENERAL PUBLIC ACCESS.

GENERAL PUBLIC INFORMATION FOR THIS EVENT IS AVAILABLE FROM:

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: <https://tsunami.incois.gov.in/TEWS/COMMSRegional>

END OF NOTIFICATION MESSAGE

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IOTWMS COMMS TEST 09 JUNE 2021 - NOT A REAL TSUNAMI EVENT

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Appendix H: Test Messages Transmitted by each TSP (continued)

TSP INDONESIA Start Test Message

TEST TESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTEST INDIAN OCEAN
TSUNAMI WARNING AND MITIGATION SYSTEM (IOTWS) COMMUNICATION TEST
0600 UTC 09 JUNE 2021
TSP INDONESIA (InaTEWS)

TO: NATIONAL TSUNAMI WARNING CENTRES in the INDIAN OCEAN

A COMMUNICATIONS TEST OF THE IOTWS IS ABOUT TO COMMENCE.
PARTICIPATING NATIONAL TSUNAMI WARNING CENTRES SHOULD REFER TO THE "IOTWS
COMMUNICATIONS TEST 09 JUNE 2021 TECHNICAL MANUAL"
DOCUMENT FOR DETAILS OF THE TEST RTSP NOTIFICATION MESSAGES THEY ARE ABOUT TO
RECEIVE, AND THE TEST LOG THEY ARE REQUIRED TO COMPLETE.

Messages will be sent as following:

Time	Notification Message
0600 UTC	Announcement Message issued
0605 UTC	Notification Message Number 1 issued (for Tsunami Bulletin 1 - Earthquake Information)
0615 UTC	Notification Message Number 2 issued (for Tsunami Bulletin 2 - Potential Threat)
0630 UTC	Notification Message Number 3 issued (for Tsunami Bulletin 3 - Confirmed Threat)
0645 UTC	Notification Message Number 4 issued (for Tsunami Bulletin 4 - Final)

TEST TESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTESTTEST

Appendix H: Test Messages Transmitted by each TSP (continued)

TSP INDONESIA Message1

TEST TESTTESTTESTTEST CommTEST-Jun-2021 TEST TESTTESTTESTTESTTESTTEST
TEST TESTTESTTESTTESTTEST CommTEST-Jun-2021 TEST TESTTESTTESTTESTTESTTEST
TSP-InaTEWS-20210609-0605-001

TSUNAMI BULLETIN NUMBER 1 (TYPE-I EARTHQUAKE BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0605 UTC, Jun 09, 2021

... 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 : 9.0 Mwp
Depth : 10km
Date : 09 Jun 2021
Origin Time: 06:00:00 UTC
Latitude : 6.94S
Longitude : 104.70E
Location : Sunda Strait, 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: <https://tsunami.incois.gov.in/TEWS/COMMSRegional>

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

IOC Reference: ICG/IOTWMS/COMMS/ER/Jun21

END OF BULLETIN

TEST TESTTESTTESTTEST CommTEST-Jun-2021 TEST TESTTESTTESTTESTTESTTESTTEST
TEST TESTTESTTESTTESTTEST CommTEST-Jun-2021 TEST TESTTESTTESTTESTTESTTESTTEST

Appendix H: Test Messages Transmitted by each TSP (continued)

TSP INDONESIA Message2

TEST TESTTESTTESTTEST CommTEST-Jun-2021 TEST TESTTESTTESTTESTTESTTESTTEST
TEST TESTTESTTESTTESTTEST CommTEST-Jun-2021 TEST TESTTESTTESTTESTTESTTESTTEST
TSP-InaTEWS-20210609-0615-002

TSUNAMI BULLETIN NUMBER 2 (TYPE-II THREAT ASSESSMENT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0615 UTC, Jun 09, 2021

... 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 : 9.0 Mwp (REVISED)
Depth : 10km
Date : 09 Jun 2021
Origin Time: 06:00:00 UTC
Latitude : 6.94S
Longitude : 104.70E
Location : Sunda Strait, 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

CHRISTMAS ISLAND 06:17z 09Jun2021 10.88m

COCOS ISLAND	07:10z	09Jun2021	4.75m
NINGALOO COAST	08:28z	09Jun2021	2.70m
GASCOYNE COAST	09:24z	09Jun2021	1.96m
PILBARA COAST EAST	09:35z	09Jun2021	2.17m
PILBARA COAST WEST	09:53z	09Jun2021	2.44m
LANCELIN COAST	10:04z	09Jun2021	1.51m
PERTH COAST	10:07z	09Jun2021	1.25m
GERALDTON COAST	10:12z	09Jun2021	1.55m
BUNBURY GEOGRAPHE COAST	10:38z	09Jun2021	1.48m
WEST KIMBERLY COAST	10:42z	09Jun2021	1.17m
LEEUEWIN COAST	14:15z	09Jun2021	1.44m
HEARD ISLAND AND MCDONALD ISLANDS	14:37z	09Jun2021	5.80m
AURORA BANK	14:52z	09Jun2021	2.49m
ASHMORE REEF	15:31z	09Jun2021	0.65m
ALBANY COAST	15:58z	09Jun2021	0.62m
NORTH KIMBERLY COAST	16:57z	09Jun2021	0.59m

FRANCE

ILE SAINT-PAUL-NORTH	11:54z	09Jun2021	2.87m
ILE SAINT-PAUL-SOUTH	12:05z	09Jun2021	5.19m
SAINT-DENIS	14:27z	09Jun2021	0.78m
NES CROZET	14:49z	09Jun2021	3.85m
ILE DE LA POSSESSION	14:51z	09Jun2021	4.64m
ILE KERGUELEN	14:57z	09Jun2021	3.90m
SAINT - JOSEPH	15:10z	09Jun2021	0.85m
CROZET PLATEAU	15:19z	09Jun2021	6.72m

INDIA

CUDDALORE	10:40z	09Jun2021	0.76m
MARAKKANAM	10:42z	09Jun2021	0.82m
PUDUCHERRY	10:42z	09Jun2021	1.04m
KARAIKAL	10:46z	09Jun2021	0.76m
MAHABALIPURAM	10:53z	09Jun2021	1.00m
POOMBUHAR	12:49z	09Jun2021	0.76m
CHENNAI	12:59z	09Jun2021	0.80m
KAKINADA	13:11z	09Jun2021	0.86m
PERUPALEM	13:12z	09Jun2021	1.04m
SRIHARIKOTA	13:19z	09Jun2021	0.71m
ENNORE	13:20z	09Jun2021	0.86m
KAVARATTI	13:21z	09Jun2021	0.53m
KOODANKULAM	13:28z	09Jun2021	0.95m
MACHILIPATNAM	13:32z	09Jun2021	0.93m
TRIVANDRUM	13:35z	09Jun2021	0.71m
MUTHUPET	13:41z	09Jun2021	0.72m
MALLIPATTINAM	13:42z	09Jun2021	0.63m
KANYAKUMARI	13:50z	09Jun2021	1.18m
QUILON	13:53z	09Jun2021	0.60m
KONADA	14:01z	09Jun2021	0.59m
NIJAMPATTANAM	14:01z	09Jun2021	0.91m
VISAKHAPATNAM	14:08z	09Jun2021	0.60m
KOMATRA AND KATCHAL ISLAND	14:09z	09Jun2021	0.64m
RAMESWARAM	14:10z	09Jun2021	0.58m
KOTTTAIPPATTANAM	14:10z	09Jun2021	0.88m
KALINGAPATNAM	14:11z	09Jun2021	0.56m
KOTTAPATNAM	14:15z	09Jun2021	0.72m
NAGAPATTINAM	14:48z	09Jun2021	0.67m
MINICOY	14:49z	09Jun2021	0.56m
COCHIN	14:58z	09Jun2021	0.94m
INDIRA POINT	15:36z	09Jun2021	0.61m
ALLEPPEY ALAPPUZHA	15:36z	09Jun2021	0.66m
KANNUR	15:42z	09Jun2021	0.61m
ANDROTH	15:53z	09Jun2021	0.52m

CAR NICOBAR	16:53z	09Jun2021	0.55m
GOPALPUR	16:54z	09Jun2021	0.54m
VAKKAD	16:59z	09Jun2021	0.51m
TUTICORIN	17:06z	09Jun2021	0.62m
AMINI	17:56z	09Jun2021	0.50m

INDONESIA

BENGKULU BENGKULU-UTARA PULAU ENGGANO	06:00z	09Jun2021	15.07m
BANTEN PANDEGLANG BAGIAN SELATAN	06:00z	09Jun2021	11.48m
BANTEN PANDEGLANG PULAU PANAITAN	06:03z	09Jun2021	8.78m
JABAR SUKABUMI PELABUHAN-RATU	06:06z	09Jun2021	23.81m
JABAR SUKABUMI UJUNG-GENTENG	06:09z	09Jun2021	22.28m
BANTEN LEBAK	06:10z	09Jun2021	19.09m
JABAR CIANJUR SINDANGBARANG	06:10z	09Jun2021	15.95m
JABAR GARUT	06:13z	09Jun2021	10.66m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	06:14z	09Jun2021	21.89m
BENGKULU KAUR	06:16z	09Jun2021	16.13m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	06:17z	09Jun2021	19.36m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	06:17z	09Jun2021	21.35m
LAMPUNG TANGGAMUS PULAU TABUAN	06:17z	09Jun2021	10.44m
LAMPUNG LAMPUNG-SELATAN KEP. LEGUNDI	06:22z	09Jun2021	10.66m
LAMPUNG LAMPUNG-SELATAN KEP. KRAKATAU	06:23z	09Jun2021	9.89m
BENGKULU BENGKULU-SELATAN	06:26z	09Jun2021	9.86m
JABAR TASIKMALAYA	06:27z	09Jun2021	12.61m
JABAR CIAMIS	06:29z	09Jun2021	8.70m
LAMPUNG LAMPUNG-SELATAN KEP. SEBUKU	06:37z	09Jun2021	14.44m
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	06:39z	09Jun2021	3.48m
LAMPUNG TANGGAMUS BAGIAN TIMUR	06:41z	09Jun2021	13.53m
LAMPUNG LAMPUNG-SELATAN BAGIAN BARAT	06:42z	09Jun2021	7.72m
BENGKULU SELUMA	06:48z	09Jun2021	13.99m
DIY GUNUNG-KIDUL	06:49z	09Jun2021	6.51m
SUMBAR KEPULAUAN-MENTAWAI PULAU SIPORA	06:49z	09Jun2021	2.11m
JATENG CILACAP	06:50z	09Jun2021	6.26m
JATENG KEBUMEN	06:50z	09Jun2021	9.17m
LAMPUNG TANGGAMUS BAGIAN BARAT	06:50z	09Jun2021	22.42m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	06:51z	09Jun2021	10.76m
DIY BANTUL	06:51z	09Jun2021	6.82m
DIY KULON-PROGO	06:52z	09Jun2021	6.90m
SUMBAR KEPULAUAN-MENTAWAI P. SIBERUT	06:53z	09Jun2021	1.29m
BANTEN PANDEGLANG BAGIAN UTARA	06:54z	09Jun2021	10.60m
BANTEN SERANG BAGIAN BARAT	06:54z	09Jun2021	8.65m
JATENG WONOGIRI	06:55z	09Jun2021	5.76m
LAMPUNG LAMPUNG-SELATAN KALIANDA	07:02z	09Jun2021	12.21m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	07:03z	09Jun2021	6.28m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	07:03z	09Jun2021	6.64m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	07:05z	09Jun2021	14.65m
JATIM PACITAN	07:07z	09Jun2021	8.53m
JATENG PURWOREJO	07:07z	09Jun2021	10.25m
JATIM TULUNGAGUNG	07:11z	09Jun2021	7.10m
JATIM TRENGGALEK	07:11z	09Jun2021	8.76m
BANTEN KOTA-CILEGON PULAU SANGIA	07:12z	09Jun2021	7.59m
JATIM BLITAR	07:13z	09Jun2021	6.34m
SUMUT NIAS-SELATAN PULAU TANABALA	07:13z	09Jun2021	1.31m
JATIM MALANG	07:14z	09Jun2021	4.90m
JATIM JEMBER PULAU NUSABARUNG	07:18z	09Jun2021	4.89m
BENGKULU MUKOMUKO	07:18z	09Jun2021	7.46m
SUMBAR PESISIR-SELATAN BAGIAN SELATAN	07:21z	09Jun2021	3.31m
JATIM BANYUWANGI BAGIAN SELATAN	07:28z	09Jun2021	4.11m
JATIM LUMAJANG	07:28z	09Jun2021	8.16m
JATIM JEMBER	07:34z	09Jun2021	5.52m
JATIM BANYUWANGI BAGIAN TIMUR	07:36z	09Jun2021	3.03m
BALI KLUNGKUNG PULAU NUSAPENIDA	07:37z	09Jun2021	2.08m
BANTEN KOTA-CILEGON	07:40z	09Jun2021	8.59m
NTB LOMBOK-TENGAH	07:41z	09Jun2021	2.24m

BALI JEMBRANA	07:43z	09Jun2021	2.91m
NTB SUMBAWA BAGIAN BARAT	07:45z	09Jun2021	2.15m
NTB LOMBOK-TIMUR BAGIAN SELATAN	07:47z	09Jun2021	2.72m
BALI DENPASAR PANTAI-SANUR	07:48z	09Jun2021	2.46m
BALI KLUNGKUNG	07:49z	09Jun2021	1.60m
BALI GIANYAR	07:49z	09Jun2021	3.75m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI PANJANG	07:50z	09Jun2021	12.86m
BALI KARANG-ASEM BAGIAN SELATAN	07:50z	09Jun2021	1.65m
BALI TABANAN	07:52z	09Jun2021	2.85m
SUMBAR PESISIR-SELATAN BAGIAN UTARA	07:53z	09Jun2021	1.97m
BALI BADUNG PANTAI-KUTA	07:56z	09Jun2021	2.40m
BANTEN SERANG BAGIAN UTARA	07:57z	09Jun2021	2.75m
NTB SUMBAWA BAGIAN SELATAN	08:01z	09Jun2021	1.91m
SUMBAR PADANG-PARIAMAN BAGIAN SELATAN	08:03z	09Jun2021	3.62m
SUMBAR KOTA-PADANG BAGIAN SELATAN	08:04z	09Jun2021	7.56m
SUMBAR KOTA-PADANG BAGIAN UTARA	08:04z	09Jun2021	3.31m
SUMBAR KOTA-PARIAMAN	08:05z	09Jun2021	1.66m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	08:08z	09Jun2021	3.25m
SUMUT NIAS-SELATAN PULAU NIAS	08:11z	09Jun2021	2.12m
NTB KOTA-MATARAM	08:14z	09Jun2021	1.93m
NTB LOMBOK-TIMUR BAGIAN TIMUR	08:16z	09Jun2021	2.38m
NTB DOMPU BAGIAN SELATAN	08:17z	09Jun2021	3.56m
SUMBAR AGAM	08:17z	09Jun2021	2.43m
SUMUT NIAS-SELATAN PULAU TANAHMASA	08:20z	09Jun2021	1.71m
NTB KOTA-BIMA BAGIAN SELATAN	08:21z	09Jun2021	2.00m
NTT SUMBA BAGIAN BARAT	08:23z	09Jun2021	2.19m
NTT KEPULAUAN MANGGARAI-BARAT	08:28z	09Jun2021	1.74m
LAMPUNG LAMPUNG-TIMUR	08:33z	09Jun2021	3.01m
NTT MANGGARAI-BARAT BAGIAN SELATAN	08:40z	09Jun2021	1.78m
NTT MANGGARAI BAGIAN SELATAN	08:49z	09Jun2021	1.56m
NTT NGADA BAGIAN SELATAN	08:54z	09Jun2021	1.53m
NAD ACEH-BESAR BAGIAN BARAT	08:55z	09Jun2021	1.16m
NTB LOMBOK-BARAT BAGIAN SELATAN	09:11z	09Jun2021	1.61m
NTT SUMBA BAGIAN TIMUR	09:12z	09Jun2021	1.67m
BALI KARANG-ASEM BAGIAN UTARA	09:14z	09Jun2021	0.64m
BANTEN TANGERANG	09:15z	09Jun2021	2.16m
NAD ACEH-SELATAN BAGIAN SELATAN	09:22z	09Jun2021	1.11m
NTT FLORES-TIMUR PULAU SOLOR	09:25z	09Jun2021	0.64m
NTT KUPANG	09:28z	09Jun2021	0.86m
SUMBAR PASAMAN-BARAT	09:29z	09Jun2021	2.57m
NTT FLORES-TIMUR PULAU ADONARA	09:32z	09Jun2021	0.66m
NTB LOMBOK-TIMUR BAGIAN UTARA	09:34z	09Jun2021	0.55m
NTT TIMOR-TENGAH-UTARA	09:39z	09Jun2021	0.70m
SUMUT MANDAILING-NATAL BAGIAN UTARA	09:41z	09Jun2021	2.15m
NTT FLORES-TIMUR BAGIAN SELATAN	09:43z	09Jun2021	0.66m
NTT LEMBATA BAGIAN SELATAN	09:45z	09Jun2021	1.07m
DKI-JAKARTA KEPULAUAN SERIBU	09:49z	09Jun2021	1.48m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	09:51z	09Jun2021	1.34m
KEPRI NATUNA	09:56z	09Jun2021	0.60m
NTB BIMA PULAU GILI	10:06z	09Jun2021	1.52m
NTB LOMBOK-BARAT BAGIAN UTARA	10:23z	09Jun2021	0.60m
DKI-JAKARTA KOTA-JAKARTA-UTARA	10:35z	09Jun2021	1.91m
NTT ENDE BAGIAN SELATAN	10:35z	09Jun2021	0.96m
NAD ACEH-JAYA	10:51z	09Jun2021	1.62m
JABAR BEKASI	10:51z	09Jun2021	1.73m
NTT KOTA-KUPANG	11:10z	09Jun2021	0.85m
NAD ACEH-BARAT	11:12z	09Jun2021	0.78m
NAD KOTA-BANDA-ACEH	11:12z	09Jun2021	0.75m
NAD ACEH-BESAR PULAU PENAS	11:26z	09Jun2021	0.77m
NAD NAGAN-RAYA	11:39z	09Jun2021	0.67m
JABAR KARAWANG	11:48z	09Jun2021	0.98m
NAD ACEH-BARAT-DAYA	12:08z	09Jun2021	0.96m
NTT SIKKA BAGIAN SELATAN	12:17z	09Jun2021	0.68m
SUMUT NIAS-SELATAN PULAU PINI	12:21z	09Jun2021	2.75m
SUMUT KOTA-SIBOLGA	12:22z	09Jun2021	1.65m
LAMPUNG TULANGBAWANG	12:36z	09Jun2021	1.38m

NTT ROTENDAO	12:44z	09Jun2021	0.73m
NTT ALOR BAGIAN SELATAN	12:45z	09Jun2021	0.79m
SUMUT NIAS BAGIAN TIMUR	12:46z	09Jun2021	1.05m
SUMSEL OGAN-KOMERING-ILIR	13:01z	09Jun2021	1.44m
NAD ACEH-SINGKIL	13:05z	09Jun2021	0.83m
JABAR SUBANG	13:58z	09Jun2021	1.46m
SUMUT NIAS BAGIAN BARAT	14:00z	09Jun2021	0.71m
SUMUT TAPANULI-SELATAN	14:05z	09Jun2021	1.51m
SUMUT TAPANULI-TENGAH BAGIAN SELATAN	14:27z	09Jun2021	1.72m
SULSEL BANTAENG	14:27z	09Jun2021	0.73m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	14:38z	09Jun2021	0.63m
SUMUT TAPANULI-TENGAH KEP. MURSALA	15:10z	09Jun2021	1.08m
SUMUT TAPANULI-TENGAH BAGIAN UTARA	15:14z	09Jun2021	0.89m
JABAR INDRAMAYU	16:08z	09Jun2021	0.90m
NAD SIMEULUE PULAU SIMEULUE	16:16z	09Jun2021	0.55m
NAD ACEH-BESAR PULAU BREUEH	16:30z	09Jun2021	0.56m
JABAR KOTA-CIREBON	16:42z	09Jun2021	0.62m
JABAR CIREBON	16:55z	09Jun2021	0.78m
JATENG BREBES	17:00z	09Jun2021	0.52m
NAD ACEH-SELATAN BAGIAN UTARA	17:20z	09Jun2021	0.54m

MADAGASCAR

AMBAHY	14:19z	09Jun2021	1.26m
FARAFAGANA	14:20z	09Jun2021	2.05m
MANANTENINA	14:52z	09Jun2021	1.31m
TAMPOLO	15:16z	09Jun2021	0.83m
SAMPONA	15:31z	09Jun2021	1.77m
TOAMASINA AIRPORT	16:31z	09Jun2021	0.88m
VOHEMAR	17:18z	09Jun2021	0.81m
EUROPA ISLAND	17:23z	09Jun2021	0.54m

MALDIVES

THINADHOO	10:21z	09Jun2021	1.59m
HITHADHOO	10:25z	09Jun2021	1.53m
KOLHUFUSHI	10:31z	09Jun2021	1.26m
MALE	10:38z	09Jun2021	0.89m
KULHUDUFFUSHI	10:59z	09Jun2021	1.26m
GOIDHOO	11:52z	09Jun2021	0.89m
NILANDHOO	11:58z	09Jun2021	0.89m
FERIDHOO	12:58z	09Jun2021	0.84m
DHIYAMIGILI	13:15z	09Jun2021	1.68m

MAURITIUS

LA FERME	11:58z	09Jun2021	1.75m
CARGADOS CARAJOS	12:36z	09Jun2021	1.00m
GRANDE REVIERE SUD EST-EAST	12:52z	09Jun2021	3.48m
GRANDE REVIERE SUD EST-WEST	14:07z	09Jun2021	0.91m
AGALEGA ISLAND	15:12z	09Jun2021	0.59m

MOZAMBIQUE

ZAVALA	17:20z	09Jun2021	0.54m
INHARRIME	17:29z	09Jun2021	0.75m
MAPUTO	17:47z	09Jun2021	0.98m
XAI-XAI	17:55z	09Jun2021	0.55m

OMAN

SALALAH	15:51z	09Jun2021	0.71m
MIRBAT	16:24z	09Jun2021	0.83m
TAQAH	16:28z	09Jun2021	0.69m

SEYCHELLES

COETIVY ISLAND	14:27z	09Jun2021	1.28m
ILE DESROCHES	16:26z	09Jun2021	0.58m
TAKAMAKA	16:41z	09Jun2021	0.73m
FREGATE ISLAND	16:49z	09Jun2021	0.59m
FARQUHAR GROUP	16:59z	09Jun2021	0.51m

SOMALIA

ABO	14:52z	09Jun2021	0.56m
JARIIBAN	14:55z	09Jun2021	1.03m
TOOXIN	15:06z	09Jun2021	1.08m
GALDOGOB	15:09z	09Jun2021	0.82m
ITALA	15:18z	09Jun2021	0.82m
CEEL DHEER	15:22z	09Jun2021	0.82m
MUQDISHO	15:26z	09Jun2021	0.69m
BEYNAX BARRE	15:31z	09Jun2021	0.65m
MAREEG	15:34z	09Jun2021	0.71m
BARAAWE	15:39z	09Jun2021	0.57m
UARSCIECH	16:14z	09Jun2021	0.68m
BANDER-BEYLA	16:28z	09Jun2021	1.01m
XARARDHEERE	16:35z	09Jun2021	1.24m
EYL	16:41z	09Jun2021	0.88m
JILIB	17:35z	09Jun2021	0.71m

SOUTH AFRICA

FUNK SEAMOUNT	16:31z	09Jun2021	3.58m
KELSO	17:19z	09Jun2021	0.64m
MANDI	17:23z	09Jun2021	0.57m
BIZANA	17:23z	09Jun2021	1.45m
ELLIOTDALE	17:23z	09Jun2021	1.39m
PORT ST JOHNS	17:24z	09Jun2021	1.36m
NGQUELENI	17:25z	09Jun2021	1.20m
WILLOWVALE	17:25z	09Jun2021	1.49m
GWABALANDA HITAWI	17:27z	09Jun2021	1.97m
LUSIKISIKI	17:27z	09Jun2021	2.15m
PORT DURNFORD	17:27z	09Jun2021	0.93m
KENTANI	17:27z	09Jun2021	1.27m
LAKE SIBAYI	17:31z	09Jun2021	1.07m
MARSHSTRAND	17:32z	09Jun2021	1.42m
KAYSERS BEACH	17:33z	09Jun2021	1.15m
ABORETUM	17:33z	09Jun2021	0.69m
ZIKHOVA	17:34z	09Jun2021	1.22m
KOSIMEER	17:35z	09Jun2021	0.80m
PEDDIE	17:39z	09Jun2021	1.15m
BATHURST	17:49z	09Jun2021	1.14m
ALEXANDRIA	17:51z	09Jun2021	0.53m
MARGATE	17:59z	09Jun2021	1.02m

SRI LANKA

KIRINDA	09:38z	09Jun2021	1.25m
AKKARAI Pattu	09:41z	09Jun2021	0.98m
TANGALLE	09:45z	09Jun2021	1.16m
OKANDA	09:46z	09Jun2021	2.47m
POTTUVIL	09:50z	09Jun2021	1.22m

HAMBANTOTA	09:55z	09Jun2021	1.52m
GALLE	09:55z	09Jun2021	1.18m
KATTANKUDI	09:55z	09Jun2021	1.76m
BATTICALOA	09:58z	09Jun2021	1.44m
MATARA	11:15z	09Jun2021	1.08m
PANKULAM	11:47z	09Jun2021	1.01m
AMBALANGODA	12:04z	09Jun2021	0.99m
MULLAITTIVU	12:13z	09Jun2021	1.05m
CHUNDIKKULAM	12:29z	09Jun2021	0.93m
POINT PEDRO	12:49z	09Jun2021	0.76m
BERUWALA	12:59z	09Jun2021	1.04m
MORATUWA	13:38z	09Jun2021	1.00m
MANNAR ISLAND	14:19z	09Jun2021	0.60m
COLOMBO	14:57z	09Jun2021	0.74m
MUNDAL LAKE	15:13z	09Jun2021	0.78m
NEGOMBO	15:30z	09Jun2021	0.57m
ANAITIVU	16:00z	09Jun2021	0.52m
CHAVAKACHCHERI	17:43z	09Jun2021	0.69m

TIMOR-LESTE

PANTE MACASSAR	09:37z	09Jun2021	0.64m
BOBONARO	11:08z	09Jun2021	0.74m
LIQUICA	11:11z	09Jun2021	0.61m

UNITED KINGDOM

DIEGO GARCIA	10:17z	09Jun2021	1.49m
NW EGMONT ISLAND	10:51z	09Jun2021	1.13m
MORESBY ISLAND	13:01z	09Jun2021	1.13m

YEMEN

SOCOTRA ISLAND SOUTH	14:50z	09Jun2021	1.27m
SOCOTRA ISLAND NORTH	14:51z	09Jun2021	0.59m
DAMQAWT	15:30z	09Jun2021	1.12m
AL GHAYDAH AIRPORT	15:38z	09Jun2021	0.68m
SOCOTRA ISLAND WEST	16:29z	09Jun2021	0.55m
ALQUMRAH	17:03z	09Jun2021	0.57m
MASILAH WADI	17:22z	09Jun2021	0.57m

4. ADVICE

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

5. UPDATES

Additional bulletins will be issued by IOTWMS-TSP 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: <https://tsunami.incois.gov.in/TEWS/COMMSRegional>

6. CONTACT INFORMATION

IOTWMS-TSP INDONESIA:

THE AGENCY FOR METEOROLOGY CLIMATOLOGY AND GEOPHYSICS (BMKG)

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monitrtwp@bmkg.go.id

END OF BULLETIN

TEST TESTTESTTESTTEST CommTEST-Jun-2021 TEST TESTTESTTESTTESTTESTTEST
TEST TESTTESTTESTTEST CommTEST-Jun-2021 TEST TESTTESTTESTTESTTESTTEST

Appendix H: Test Messages Transmitted by each TSP (continued)

TSP INDONESIA Message3

TEST TESTTESTTESTTEST CommTEST-Jun-2021 TEST TESTTESTTESTTESTTESTTESTTEST
TEST TESTTESTTESTTESTTEST CommTEST-Jun-2021 TEST TESTTESTTESTTESTTESTTESTTEST
TSP-InaTEWS-20210609-0630-003

TSUNAMI BULLETIN NUMBER 3 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0630 UTC, Jun 09, 2021

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

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

1. EARTHQUAKE INFORMATION (updated)

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

Magnitude : 9.0 Mwp (REVISED)
Depth : 10km
Date : 09 Jun 2021
Origin Time: 06:00:00 UTC
Latitude : 6.94S
Longitude : 104.70E
Location : Sunda Strait, 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
Sebesi Island	INDONESIA	5.94S	105.51E	13.3	06:00	Jun 09, 2021
Marina Jambu	INDONESIA	6.19S	105.84E	9.3	06:00	Jun 09, 2021
Christmas Island	AUSTRALIA	10.43S	105.67E	11.8	06:15	Jun 09, 2021
Pangandaran	INDONESIA	7.75S	108.50E	10.7	06:19	Jun 09, 2021
Cilacap	INDONESIA	7.75S	109.00E	7.4	06:26	Jun 09, 2021

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

CHRISTMAS ISLAND	06:17z	09Jun2021	10.88m
COCOS ISLAND	07:10z	09Jun2021	4.75m
NINGALOO COAST	08:28z	09Jun2021	2.70m
GASCOYNE COAST	09:24z	09Jun2021	1.96m
PILBARA COAST EAST	09:35z	09Jun2021	2.17m
PILBARA COAST WEST	09:53z	09Jun2021	2.44m
LANCELIN COAST	10:04z	09Jun2021	1.51m
PERTH COAST	10:07z	09Jun2021	1.25m
GERALDTON COAST	10:12z	09Jun2021	1.55m
BUNBURY GEOGRAPHE COAST	10:38z	09Jun2021	1.48m
WEST KIMBERLY COAST	10:42z	09Jun2021	1.17m
LEEUVIN COAST	14:15z	09Jun2021	1.44m
HEARD ISLAND AND MCDONALD ISLANDS	14:37z	09Jun2021	5.80m
AURORA BANK	14:52z	09Jun2021	2.49m
ASHMORE REEF	15:31z	09Jun2021	0.65m
ALBANY COAST	15:58z	09Jun2021	0.62m
NORTH KIMBERLY COAST	16:57z	09Jun2021	0.59m

FRANCE

ILE SAINT-PAUL-NORTH	11:54z	09Jun2021	2.87m
ILE SAINT-PAUL-SOUTH	12:05z	09Jun2021	5.19m
SAINT-DENIS	14:27z	09Jun2021	0.78m
NES CROZET	14:49z	09Jun2021	3.85m
ILE DE LA POSSESSION	14:51z	09Jun2021	4.64m
ILE KERGUELEN	14:57z	09Jun2021	3.90m
SAINT - JOSEPH	15:10z	09Jun2021	0.85m
CROZET PLATEAU	15:19z	09Jun2021	6.72m

INDIA

CUDDALORE	10:40z	09Jun2021	0.76m
MARAKKANAM	10:42z	09Jun2021	0.82m
PUDUCHERRY	10:42z	09Jun2021	1.04m
KARAIKAL	10:46z	09Jun2021	0.76m
MAHABALIPURAM	10:53z	09Jun2021	1.00m
POOMBUHAR	12:49z	09Jun2021	0.76m
CHENNAI	12:59z	09Jun2021	0.80m
KAKINADA	13:11z	09Jun2021	0.86m
PERUPALEM	13:12z	09Jun2021	1.04m
SRIHARIKOTA	13:19z	09Jun2021	0.71m
ENNORE	13:20z	09Jun2021	0.86m
KAVARATTI	13:21z	09Jun2021	0.53m
KOODANKULAM	13:28z	09Jun2021	0.95m
MACHILIPATNAM	13:32z	09Jun2021	0.93m
TRIVANDRUM	13:35z	09Jun2021	0.71m
MUTHUPET	13:41z	09Jun2021	0.72m
MALLIPATTINAM	13:42z	09Jun2021	0.63m
KANYAKUMARI	13:50z	09Jun2021	1.18m
QUILON	13:53z	09Jun2021	0.60m
KONADA	14:01z	09Jun2021	0.59m
NIJAMPATTANAM	14:01z	09Jun2021	0.91m
VISAKHAPATNAM	14:08z	09Jun2021	0.60m
KOMATRA AND KATCHAL ISLAND	14:09z	09Jun2021	0.64m
RAMESWARAM	14:10z	09Jun2021	0.58m
KOTTAIPPATTANAM	14:10z	09Jun2021	0.88m
KALINGAPATNAM	14:11z	09Jun2021	0.56m
KOTTAPATNAM	14:15z	09Jun2021	0.72m
NAGAPATTINAM	14:48z	09Jun2021	0.67m
MINICOY	14:49z	09Jun2021	0.56m

COCHIN	14:58z	09Jun2021	0.94m
INDIRA POINT	15:36z	09Jun2021	0.61m
ALLEPPEY ALAPPUZHA	15:36z	09Jun2021	0.66m
KANNUR	15:42z	09Jun2021	0.61m
ANDROTH	15:53z	09Jun2021	0.52m
CAR NICOBAR	16:53z	09Jun2021	0.55m
GOPALPUR	16:54z	09Jun2021	0.54m
VAKKAD	16:59z	09Jun2021	0.51m
TUTICORIN	17:06z	09Jun2021	0.62m
AMINI	17:56z	09Jun2021	0.50m

INDONESIA

BENGKULU BENGKULU-UTARA PULAU ENGGANO	06:00z	09Jun2021	15.07m
BANTEN PANDEGLANG BAGIAN SELATAN	06:00z	09Jun2021	11.48m
BANTEN PANDEGLANG PULAU PANAITAN	06:03z	09Jun2021	8.78m
JABAR SUKABUMI PELABUHAN-RATU	06:06z	09Jun2021	23.81m
JABAR SUKABUMI UJUNG-GENTENG	06:09z	09Jun2021	22.28m
BANTEN LEBAK	06:10z	09Jun2021	19.09m
JABAR CIANJUR SINDANGBARANG	06:10z	09Jun2021	15.95m
JABAR GARUT	06:13z	09Jun2021	10.66m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	06:14z	09Jun2021	21.89m
BENGKULU KAUR	06:16z	09Jun2021	16.13m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	06:17z	09Jun2021	19.36m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	06:17z	09Jun2021	21.35m
LAMPUNG TANGGAMUS PULAU TABUAN	06:17z	09Jun2021	10.44m
LAMPUNG LAMPUNG-SELATAN KEP. LEGUNDI	06:22z	09Jun2021	10.66m
LAMPUNG LAMPUNG-SELATAN KEP. KRAKATAU	06:23z	09Jun2021	9.89m
BENGKULU BENGKULU-SELATAN	06:26z	09Jun2021	9.86m
JABAR TASIKMALAYA	06:27z	09Jun2021	12.61m
JABAR CIAMIS	06:29z	09Jun2021	8.70m
LAMPUNG LAMPUNG-SELATAN KEP. SEBUKU	06:37z	09Jun2021	14.44m
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	06:39z	09Jun2021	3.48m
LAMPUNG TANGGAMUS BAGIAN TIMUR	06:41z	09Jun2021	13.53m
LAMPUNG LAMPUNG-SELATAN BAGIAN BARAT	06:42z	09Jun2021	7.72m
BENGKULU SELUMA	06:48z	09Jun2021	13.99m
DIY GUNUNG-KIDUL	06:49z	09Jun2021	6.51m
SUMBAR KEPULAUAN-MENTAWAI PULAU SIPORA	06:49z	09Jun2021	2.11m
JATENG CILACAP	06:50z	09Jun2021	6.26m
JATENG KEBUMEN	06:50z	09Jun2021	9.17m
LAMPUNG TANGGAMUS BAGIAN BARAT	06:50z	09Jun2021	22.42m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	06:51z	09Jun2021	10.76m
DIY BANTUL	06:51z	09Jun2021	6.82m
DIY KULON-PROGO	06:52z	09Jun2021	6.90m
SUMBAR KEPULAUAN-MENTAWAI P. SIBERUT	06:53z	09Jun2021	1.29m
BANTEN PANDEGLANG BAGIAN UTARA	06:54z	09Jun2021	10.60m
BANTEN SERANG BAGIAN BARAT	06:54z	09Jun2021	8.65m
JATENG WONOGIRI	06:55z	09Jun2021	5.76m
LAMPUNG LAMPUNG-SELATAN KALIANDA	07:02z	09Jun2021	12.21m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	07:03z	09Jun2021	6.28m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	07:03z	09Jun2021	6.64m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	07:05z	09Jun2021	14.65m
JATIM PACITAN	07:07z	09Jun2021	8.53m
JATENG PURWOREJO	07:07z	09Jun2021	10.25m
JATIM TULUNGAGUNG	07:11z	09Jun2021	7.10m
JATIM TRENGGALEK	07:11z	09Jun2021	8.76m
BANTEN KOTA-CILEGON PULAU SANGIA	07:12z	09Jun2021	7.59m
JATIM BLITAR	07:13z	09Jun2021	6.34m
SUMUT NIAS-SELATAN PULAU TANABALA	07:13z	09Jun2021	1.31m
JATIM MALANG	07:14z	09Jun2021	4.90m
JATIM JEMBER PULAU NUSABARUNG	07:18z	09Jun2021	4.89m
BENGKULU MUKOMUKO	07:18z	09Jun2021	7.46m
SUMBAR PESISIR-SELATAN BAGIAN SELATAN	07:21z	09Jun2021	3.31m
JATIM BANYUWANGI BAGIAN SELATAN	07:28z	09Jun2021	4.11m
JATIM LUMAJANG	07:28z	09Jun2021	8.16m

JATIM JEMBER	07:34z	09Jun2021	5.52m
JATIM BANYUWANGI BAGIAN TIMUR	07:36z	09Jun2021	3.03m
BALI KLUNGKUNG PULAU NUSAPENIDA	07:37z	09Jun2021	2.08m
BANTEN KOTA-CILEGON	07:40z	09Jun2021	8.59m
NTB LOMBOK-TENGAH	07:41z	09Jun2021	2.24m
BALI JEMBRANA	07:43z	09Jun2021	2.91m
NTB SUMBAWA BAGIAN BARAT	07:45z	09Jun2021	2.15m
NTB LOMBOK-TIMUR BAGIAN SELATAN	07:47z	09Jun2021	2.72m
BALI DENPASAR PANTAI-SANUR	07:48z	09Jun2021	2.46m
BALI KLUNGKUNG	07:49z	09Jun2021	1.60m
BALI GIANYAR	07:49z	09Jun2021	3.75m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI PANJANG	07:50z	09Jun2021	12.86m
BALI KARANG-ASEM BAGIAN SELATAN	07:50z	09Jun2021	1.65m
BALI TABANAN	07:52z	09Jun2021	2.85m
SUMBAR PESISIR-SELATAN BAGIAN UTARA	07:53z	09Jun2021	1.97m
BALI BADUNG PANTAI-KUTA	07:56z	09Jun2021	2.40m
BANTEN SERANG BAGIAN UTARA	07:57z	09Jun2021	2.75m
NTB SUMBAWA BAGIAN SELATAN	08:01z	09Jun2021	1.91m
SUMBAR PADANG-PARIAMAN BAGIAN SELATAN	08:03z	09Jun2021	3.62m
SUMBAR KOTA-PADANG BAGIAN SELATAN	08:04z	09Jun2021	7.56m
SUMBAR KOTA-PADANG BAGIAN UTARA	08:04z	09Jun2021	3.31m
SUMBAR KOTA-PARIAMAN	08:05z	09Jun2021	1.66m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	08:08z	09Jun2021	3.25m
SUMUT NIAS-SELATAN PULAU NIAS	08:11z	09Jun2021	2.12m
NTB KOTA-MATARAM	08:14z	09Jun2021	1.93m
NTB LOMBOK-TIMUR BAGIAN TIMUR	08:16z	09Jun2021	2.38m
NTB DOMPU BAGIAN SELATAN	08:17z	09Jun2021	3.56m
SUMBAR AGAM	08:17z	09Jun2021	2.43m
SUMUT NIAS-SELATAN PULAU TANAHMASA	08:20z	09Jun2021	1.71m
NTB KOTA-BIMA BAGIAN SELATAN	08:21z	09Jun2021	2.00m
NTT SUMBA BAGIAN BARAT	08:23z	09Jun2021	2.19m
NTT KEPULAUAN MANGGARAI-BARAT	08:28z	09Jun2021	1.74m
LAMPUNG LAMPUNG-TIMUR	08:33z	09Jun2021	3.01m
NTT MANGGARAI-BARAT BAGIAN SELATAN	08:40z	09Jun2021	1.78m
NTT MANGGARAI BAGIAN SELATAN	08:49z	09Jun2021	1.56m
NTT NGADA BAGIAN SELATAN	08:54z	09Jun2021	1.53m
NAD ACEH-BESAR BAGIAN BARAT	08:55z	09Jun2021	1.16m
NTB LOMBOK-BARAT BAGIAN SELATAN	09:11z	09Jun2021	1.61m
NTT SUMBA BAGIAN TIMUR	09:12z	09Jun2021	1.67m
BALI KARANG-ASEM BAGIAN UTARA	09:14z	09Jun2021	0.64m
BANTEN TANGERANG	09:15z	09Jun2021	2.16m
NAD ACEH-SELATAN BAGIAN SELATAN	09:22z	09Jun2021	1.11m
NTT FLORES-TIMUR PULAU SOLOR	09:25z	09Jun2021	0.64m
NTT KUPANG	09:28z	09Jun2021	0.86m
SUMBAR PASAMAN-BARAT	09:29z	09Jun2021	2.57m
NTT FLORES-TIMUR PULAU ADONARA	09:32z	09Jun2021	0.66m
NTB LOMBOK-TIMUR BAGIAN UTARA	09:34z	09Jun2021	0.55m
NTT TIMOR-TENGAH-UTARA	09:39z	09Jun2021	0.70m
SUMUT MANDAILING-NATAL BAGIAN UTARA	09:41z	09Jun2021	2.15m
NTT FLORES-TIMUR BAGIAN SELATAN	09:43z	09Jun2021	0.66m
NTT LEMBATA BAGIAN SELATAN	09:45z	09Jun2021	1.07m
DKI-JAKARTA KEPULAUAN SERIBU	09:49z	09Jun2021	1.48m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	09:51z	09Jun2021	1.34m
KEPRI NATUNA	09:56z	09Jun2021	0.60m
NTB BIMA PULAU GILI	10:06z	09Jun2021	1.52m
NTB LOMBOK-BARAT BAGIAN UTARA	10:23z	09Jun2021	0.60m
DKI-JAKARTA KOTA-JAKARTA-UTARA	10:35z	09Jun2021	1.91m
NTT ENDE BAGIAN SELATAN	10:35z	09Jun2021	0.96m
NAD ACEH-JAYA	10:51z	09Jun2021	1.62m
JABAR BEKASI	10:51z	09Jun2021	1.73m
NTT KOTA-KUPANG	11:10z	09Jun2021	0.85m
NAD ACEH-BARAT	11:12z	09Jun2021	0.78m
NAD KOTA-BANDA-ACEH	11:12z	09Jun2021	0.75m
NAD ACEH-BESAR PULAU PENAS	11:26z	09Jun2021	0.77m
NAD NAGAN-RAYA	11:39z	09Jun2021	0.67m
JABAR KARAWANG	11:48z	09Jun2021	0.98m

NAD ACEH-BARAT-DAYA	12:08z	09Jun2021	0.96m
NTT SIKKA BAGIAN SELATAN	12:17z	09Jun2021	0.68m
SUMUT NIAS-SELATAN PULAU PINI	12:21z	09Jun2021	2.75m
SUMUT KOTA-SIBOLGA	12:22z	09Jun2021	1.65m
LAMPUNG TULANGBAWANG	12:36z	09Jun2021	1.38m
NTT ROTENDAO	12:44z	09Jun2021	0.73m
NTT ALOR BAGIAN SELATAN	12:45z	09Jun2021	0.79m
SUMUT NIAS BAGIAN TIMUR	12:46z	09Jun2021	1.05m
SUMSEL OGAN-KOMERING-ILIR	13:01z	09Jun2021	1.44m
NAD ACEH-SINGKIL	13:05z	09Jun2021	0.83m
JABAR SUBANG	13:58z	09Jun2021	1.46m
SUMUT NIAS BAGIAN BARAT	14:00z	09Jun2021	0.71m
SUMUT TAPANULI-SELATAN	14:05z	09Jun2021	1.51m
SUMUT TAPANULI-TENGAH BAGIAN SELATAN	14:27z	09Jun2021	1.72m
SULSEL BANTAENG	14:27z	09Jun2021	0.73m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	14:38z	09Jun2021	0.63m
SUMUT TAPANULI-TENGAH KEP. MURSALA	15:10z	09Jun2021	1.08m
SUMUT TAPANULI-TENGAH BAGIAN UTARA	15:14z	09Jun2021	0.89m
JABAR INDRAMAYU	16:08z	09Jun2021	0.90m
NAD SIMEULUE PULAU SIMEULUE	16:16z	09Jun2021	0.55m
NAD ACEH-BESAR PULAU BREUEH	16:30z	09Jun2021	0.56m
JABAR KOTA-CIREBON	16:42z	09Jun2021	0.62m
JABAR CIREBON	16:55z	09Jun2021	0.78m
JATENG BREBES	17:00z	09Jun2021	0.52m
NAD ACEH-SELATAN BAGIAN UTARA	17:20z	09Jun2021	0.54m

MADAGASCAR

AMBAHY	14:19z	09Jun2021	1.26m
FARAFAGANA	14:20z	09Jun2021	2.05m
MANANTENINA	14:52z	09Jun2021	1.31m
TAMPOLO	15:16z	09Jun2021	0.83m
SAMPONA	15:31z	09Jun2021	1.77m
TOAMASINA AIRPORT	16:31z	09Jun2021	0.88m
VOHEMAR	17:18z	09Jun2021	0.81m
EUROPA ISLAND	17:23z	09Jun2021	0.54m

MALDIVES

THINADHOO	10:21z	09Jun2021	1.59m
HITHADHOO	10:25z	09Jun2021	1.53m
KOLHUFUSHI	10:31z	09Jun2021	1.26m
MALE	10:38z	09Jun2021	0.89m
KULHUDUFFUSHI	10:59z	09Jun2021	1.26m
GOIDHOO	11:52z	09Jun2021	0.89m
NILANDHOO	11:58z	09Jun2021	0.89m
FERIDHOO	12:58z	09Jun2021	0.84m
DHIYAMIGILI	13:15z	09Jun2021	1.68m

MAURITIUS

LA FERME	11:58z	09Jun2021	1.75m
CARGADOS CARAJOS	12:36z	09Jun2021	1.00m
GRANDE REVIERE SUD EST-EAST	12:52z	09Jun2021	3.48m
GRANDE REVIERE SUD EST-WEST	14:07z	09Jun2021	0.91m
AGALEGA ISLAND	15:12z	09Jun2021	0.59m

MOZAMBIQUE

ZAVALA	17:20z	09Jun2021	0.54m
INHARRIME	17:29z	09Jun2021	0.75m
MAPUTO	17:47z	09Jun2021	0.98m

XAI-XAI	17:55z	09Jun2021	0.55m

OMAN			

SALALAH	15:51z	09Jun2021	0.71m
MIRBAT	16:24z	09Jun2021	0.83m
TAQAH	16:28z	09Jun2021	0.69m

SEYCHELLES			

COETIVY ISLAND	14:27z	09Jun2021	1.28m
ILE DESROCHES	16:26z	09Jun2021	0.58m
TAKAMAKA	16:41z	09Jun2021	0.73m
FREGATE ISLAND	16:49z	09Jun2021	0.59m
FARQUHAR GROUP	16:59z	09Jun2021	0.51m

SOMALIA			

ABO	14:52z	09Jun2021	0.56m
JARIIBAN	14:55z	09Jun2021	1.03m
TOOXIN	15:06z	09Jun2021	1.08m
GALDOGOB	15:09z	09Jun2021	0.82m
ITALA	15:18z	09Jun2021	0.82m
CEEL DHEER	15:22z	09Jun2021	0.82m
MUQDISHO	15:26z	09Jun2021	0.69m
BEYNAX BARRE	15:31z	09Jun2021	0.65m
MAREEG	15:34z	09Jun2021	0.71m
BARAAWE	15:39z	09Jun2021	0.57m
UARSCIECH	16:14z	09Jun2021	0.68m
BANDER-BEYLA	16:28z	09Jun2021	1.01m
XARARDHEERE	16:35z	09Jun2021	1.24m
EYL	16:41z	09Jun2021	0.88m
JILIB	17:35z	09Jun2021	0.71m

SOUTH AFRICA			

FUNK SEAMOUNT	16:31z	09Jun2021	3.58m
KELSO	17:19z	09Jun2021	0.64m
MANDI	17:23z	09Jun2021	0.57m
BIZANA	17:23z	09Jun2021	1.45m
ELLIOTDALE	17:23z	09Jun2021	1.39m
PORT ST JOHNS	17:24z	09Jun2021	1.36m
NGQUELENI	17:25z	09Jun2021	1.20m
WILLOWVALE	17:25z	09Jun2021	1.49m
GWABALANDA HITAWI	17:27z	09Jun2021	1.97m
LUSIKISIKI	17:27z	09Jun2021	2.15m
PORT DURNFORD	17:27z	09Jun2021	0.93m
KENTANI	17:27z	09Jun2021	1.27m
LAKE SIBAYI	17:31z	09Jun2021	1.07m
MARSHSTRAND	17:32z	09Jun2021	1.42m
KAYSERS BEACH	17:33z	09Jun2021	1.15m
ABORETUM	17:33z	09Jun2021	0.69m
ZIKHOVA	17:34z	09Jun2021	1.22m
KOSIMEER	17:35z	09Jun2021	0.80m
PEDDIE	17:39z	09Jun2021	1.15m
BATHURST	17:49z	09Jun2021	1.14m
ALEXANDRIA	17:51z	09Jun2021	0.53m
MARGATE	17:59z	09Jun2021	1.02m

SRI LANKA			

KIRINDA	09:38z	09Jun2021	1.25m
AKKARAI PATTU	09:41z	09Jun2021	0.98m
TANGALLE	09:45z	09Jun2021	1.16m
OKANDA	09:46z	09Jun2021	2.47m
POTTUVIL	09:50z	09Jun2021	1.22m
HAMBANTOTA	09:55z	09Jun2021	1.52m
GALLE	09:55z	09Jun2021	1.18m
KATTANKUDI	09:55z	09Jun2021	1.76m
BATTICALOA	09:58z	09Jun2021	1.44m
MATARA	11:15z	09Jun2021	1.08m
PANKULAM	11:47z	09Jun2021	1.01m
AMBALANGODA	12:04z	09Jun2021	0.99m
MULLAITTIVU	12:13z	09Jun2021	1.05m
CHUNDIKKULAM	12:29z	09Jun2021	0.93m
POINT PEDRO	12:49z	09Jun2021	0.76m
BERUWALA	12:59z	09Jun2021	1.04m
MORATUWA	13:38z	09Jun2021	1.00m
MANNAR ISLAND	14:19z	09Jun2021	0.60m
COLOMBO	14:57z	09Jun2021	0.74m
MUNDAL LAKE	15:13z	09Jun2021	0.78m
NEGOMBO	15:30z	09Jun2021	0.57m
ANAITIVU	16:00z	09Jun2021	0.52m
CHAVAKACHCHERI	17:43z	09Jun2021	0.69m

TIMOR-LESTE

PANTE MACASSAR	09:37z	09Jun2021	0.64m
BOBONARO	11:08z	09Jun2021	0.74m
LIQUICA	11:11z	09Jun2021	0.61m

UNITED KINGDOM

DIEGO GARCIA	10:17z	09Jun2021	1.49m
NW EGMONT ISLAND	10:51z	09Jun2021	1.13m
MORESBY ISLAND	13:01z	09Jun2021	1.13m

YEMEN

SOCOTRA ISLAND SOUTH	14:50z	09Jun2021	1.27m
SOCOTRA ISLAND NORTH	14:51z	09Jun2021	0.59m
DAMQAWT	15:30z	09Jun2021	1.12m
AL GHAYDAH AIRPORT	15:38z	09Jun2021	0.68m
SOCOTRA ISLAND WEST	16:29z	09Jun2021	0.55m
ALQUMRAH	17:03z	09Jun2021	0.57m
MASILAH WADI	17:22z	09Jun2021	0.57m

4. ADVICE

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

5. UPDATES

Additional bulletins will be issued by IOTWMS-TSP 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:

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END OF BULLETIN

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Appendix H: Test Messages Transmitted by each TSP (continued)

TSP INDONESIA Message 4

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TSP-InaTEWS-20210609-0645-04

TSUNAMI BULLETIN NUMBER 4 (TYPE-IV FINAL BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0645 UTC, Jun 09, 2021

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

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

1. EARTHQUAKE INFORMATION

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

Magnitude : 9.0 Mwp (REVISED)
Depth : 10km
Date : 09 Jun 2021
Origin Time: 06:00:00 UTC
Latitude : 6.94S
Longitude : 104.70E
Location : Sunda Strait, 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
Sebesi Island	INDONESIA	5.94S	105.51E	13.3	06:00	Jun 09, 2021
Marina Jambu	INDONESIA	6.19S	105.84E	9.3	06:00	Jun 09, 2021
Christmas Island	AUSTRALIA	10.43S	105.67E	11.8	06:15	Jun 09, 2021
Pangandaran	INDONESIA	7.75S	108.50E	10.7	06:19	Jun 09, 2021
Cilacap	INDONESIA	7.75S	109.00E	7.4	06:26	Jun 09, 2021

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:
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