

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

Working Group 2 on Tsunami Detection, Warning, and Dissemination

26th IOTWMS Communications Test Report 7 June 2023

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1 PURPOSE

To report on the IOTWMS Communications Test conducted on 7 June 2023.

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 and 2023 only one test was conducted as the second test would have occurred in close proximity to Exercise IOWave. This is the report of the twenty-sixth test held on 7 June 2023. The next test is scheduled for 12 June 2024. 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	Conducted
24	8 June 2022	Conducted
25	7 December 2022	Conducted

Test Number	Date	Status
26	7 June 2023	Conducted
27	12 June 2024	Planned

Notes:

- a. All communication test reports are available on the IOC Tsunami Resilience Section [webpage](#).
- 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, six 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)
 - IOWave23 (4-25 October 2023)

3 TEST DETAILS

The details of the procedures used in the 7 June 2023 test are described in the document “IOTWMS Communications Test 7 June 2023 Technical Manual” distributed to NTWCs and TSPs by the ICG/IOTWMS Secretariat on 16 May 2023.

Test Earthquake Event Scenario:

Magnitude: 9.0 Mwp
Depth: 10 km
Date: 7 June 2023
Origin Time: 06:00 UTC
Latitude: 7.20N
Longitude: 92.90E
Location: Nicobar Islands, India Region

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. The Test Log was available for completion online. The Test Logs are the primary source of information for this report and are archived on the Alchemer online survey platform.

4 TEST PARTICIPATION

Eighteen (18) IOTWMS Member States participated in the test. This represents a below average number of twenty-two (22) participating Member States across the 25 tests conducted to date. The highest participation rate has been twenty-five (25) countries and the lowest participation rate has been seventeen (17) countries.

The participants in this test were:

- TSPs - Australia, India, Indonesia

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

Bangladesh, Maldives, Mauritius, Mozambique, Pakistan, Tanzania, and Timor Leste did not participate in the 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	YEM	Total
1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1		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		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		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		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		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		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	0	0	1	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	25
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	25
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	1	21
23	1	1	0	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	0	1	1	20
24	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	25
25	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	0	1	1	22
26	1	0	1	1	1	1	1	1	1	1	0	0	0	1	1	0	1	1	1	1	0	1	0	1	1	18
Total	26	25	18	26	26	26	18	25	25	26	22	24	16	24	22	24	25	25	19	23	20	23	15	7	21	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, YEM=Yemen

1=Participated in test, 0=did not participate

Chart 1: Number of Tests Participated in by Member State

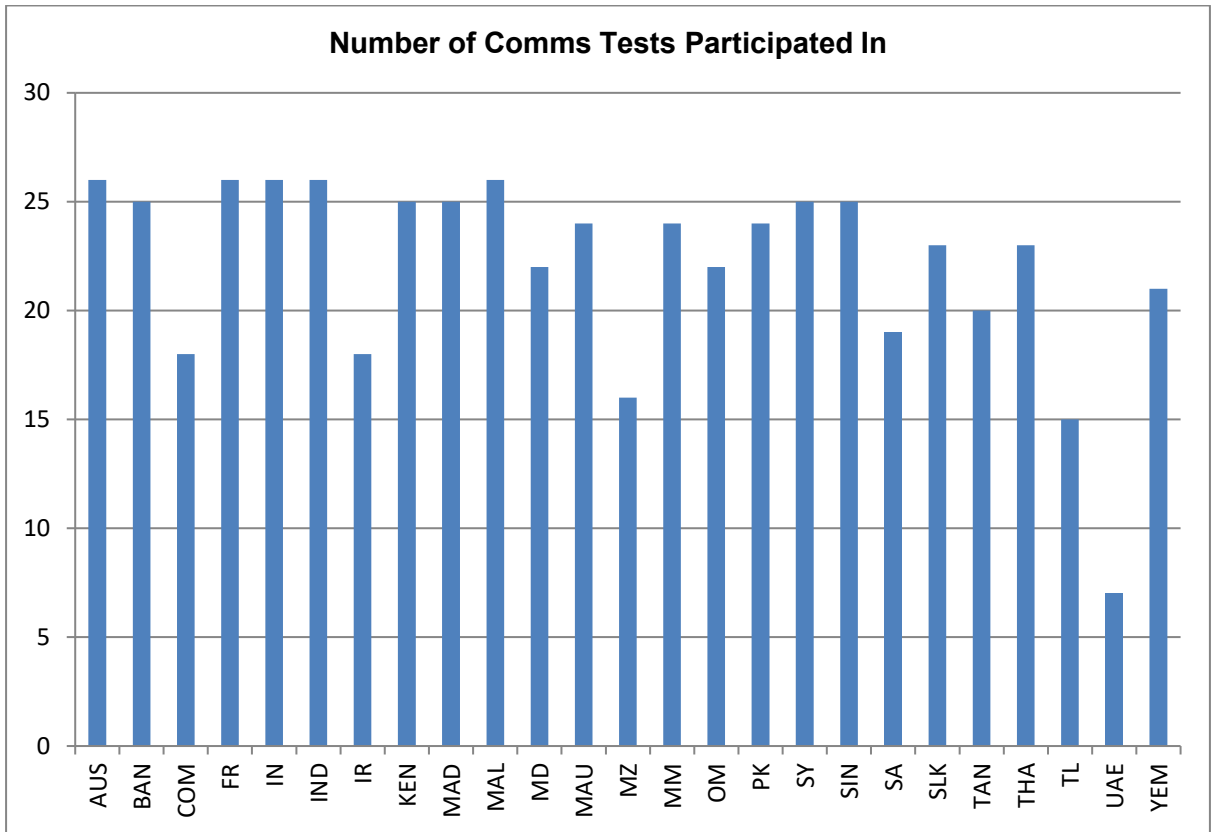
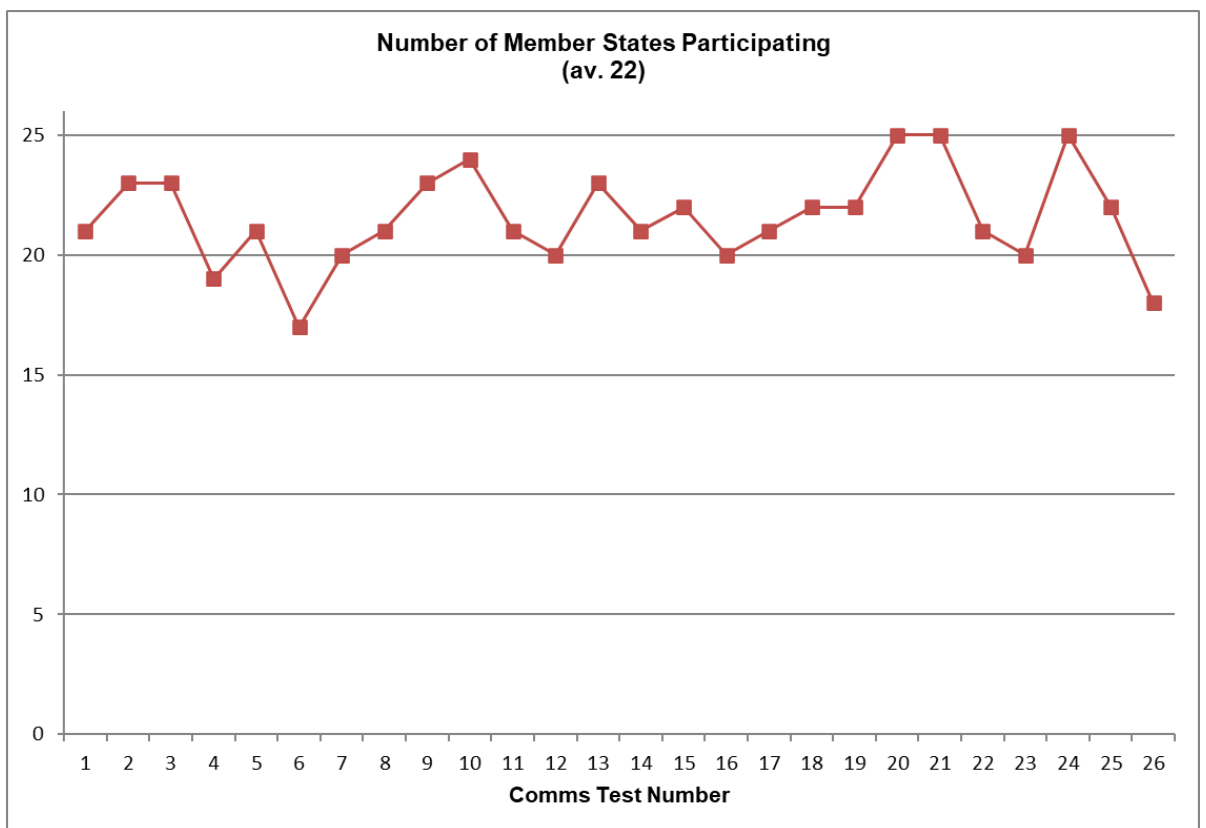


Chart 2: Number of Member States in Each Test



5 MESSAGE DISSEMINATION AND RECEPTION RESULTS

5.1 Message Dissemination

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

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

Table 2: TSP Test Bulletin Notification Message Issue Times (UTC)

IOTWMS TSP	Test Start 06:00	Message 1 06:05	Message 2 06:15	Message 3 06:30	Message 4 06:45
Australia	06:00	06:05	06:15	06:30	06:45
India	05:59	06:05	06:16	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 16 September 2022.

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 notification 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 75%, which was lower than the past test (90%). It was close to the average GTS reception rate of 71%.

Fourteen (14) of the 16 GTS connected NTWCs received GTS messages. Comoros, and Yemen did not receive GTS messages from any TSP while Iran and Madagascar have opted out of the service.

GTS messages continue to be received promptly, with most messages received within 1-3 minutes of issuing. The longest delay was 8 minutes for Myanmar to receive all TSPs' notification bulletin 4 and Malaysia to receive TSP Indonesia's notification bulletin 3.

5.2.2 Fax

The overall fax reception rate was 23%. This is lower than the previous test fax reception rate of 29% and average rate of 35%. It is only slightly higher than the lowest ever fax reception rate of 20%.

In this test only seven (7) of the 15 NTWCs who opted to receive bulletins via fax reported receiving fax messages, with TSP Australia's messages being received by 5 NTWCs, India's by 5 NTWCs, and Indonesia's by 4 NTWCs.

Fax message delay were mostly less than 5 minutes. However, the longest delay was 48 minutes for Sri Lanka to receive TSP Australia notification bulletin 3.

5.2.3 Email

The overall email reception rate in this test was 84%, which was slightly higher than the past test (82%). It is very close to the average rate of 86%.

All eighteen (18) NTWCs received email notifications. Emails from TSP Australia were received by 16 NTWCs, emails from TSP India were received by 16 NTWCs, and emails from TSP Indonesia were received by 15 NTWCs.

Email messages continued to be received promptly, with almost all email messages received within 2 minutes of the issue time. The maximum delay was 12 minutes for South Australia to receive TSP Australia notification bulletin.

5.2.4 SMS

The overall SMS message reception rate in this test was 41%. This is lower than all previous tests except for the September 2011 test (34%). The previous test had a SMS reception rate of 58% and the average rate is 59%.

In this test fifteen (15) of the 18 NTWCs received SMS messages. South Africa and United Arab Emirates did not receive SMS messages from any TSP while France (Indian Ocean Territories) has opted out of the service.

TSP Australia's SMS messages were received by 13 of the 17 NTWCs, TSP India's were received by 6 NTWCs, and TSP Indonesia's were received by 9 NTWCs.

The longest delay was 1 hours 16 minutes to for Iran to receive TSP Indonesia notification bulletin 4.

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 81%, up from 70% in the previous test and lower than the average of rate of 82%.

Sixteen (16) of the 18 NTWCs were able to access at least one TSP website during the test, compared with 19 out of 22 in the previous test. Thailand and Yemen did not report of access to 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.

In this test, 10 of the 18 NTWCs reported that they lodged web status reports. This is a rate of 56%, which is 11% greater than the 45% reported in the previous test. However, the web reporting rate is lower than the average rate since 2011 of 58%.

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 72%, i.e., 13 out of 18 NTWCs. Madagascar reported they did not attempt access and Comoros, Myanmar, Thailand, and Yemen did not report if they accessed the TSP-Indonesia WRS during the test.

This is the fifth time that the TSP-Indonesia WRS was used in communications tests. Indonesia and South Africa provided positive feedback on TSP-Indonesia WRS.

7 RESULTS ASSESSED AGAINST OBJECTIVES

7.1 Validate TSP dissemination processes for tsunami bulletin notification messages

All three IOTWMS TSPs successfully issued their test messages according to the test timeline through 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 84% of the TSP email messages being received by NTWCs in this test. This is very close to the average rate of 86%. All reporting NTWCs received email messages from at least one TSP.
- GTS message reception was 75%, which is slightly higher than its average rate of 71%.
- SMS message reception was 41%. It has fallen in the last three tests and is below its average rate of 59%.
- Fax message reception was 23% in this test, which is very low and less than its average rate of 35%.

7.3 Validate access by NTWCs to TSP password-protected websites

Website access increased to 81% in this test. It has increased in the last two tests and sits very close to its average rate of 82%.

7.4 Validate reporting by NTWCs of national warning status information

NTWC status report lodgements reported by NTWCs is 56%. This has increased over the last two tests and is very close to its average rate of 58%.

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.

Eighteen (18) IOTWMS Member States participated in this 26th IOTWMS Communications Test. 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 rates of below 30% since June 2021 and only 23% in this test calls for a review of the validity of fax numbers and necessity of providing such a delivery channel.

This is the fifth communications test in which the TSP Indonesia's WRS was tested. Thirteen NTWC's reported accessing the system and two NTWCs provided positive feedback. It is suggested that the WRS could be a viable alternative or addition to the current four delivery channels of GTS, Email, SMS, and Fax.

Both TSP webpage access and national warning status reporting have shown increases over the last two communications tests. In this test the webpage access was 81% and the national warning status reporting was 65%. It is suggested to include to lodge the online status reports in future training activities.

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%	

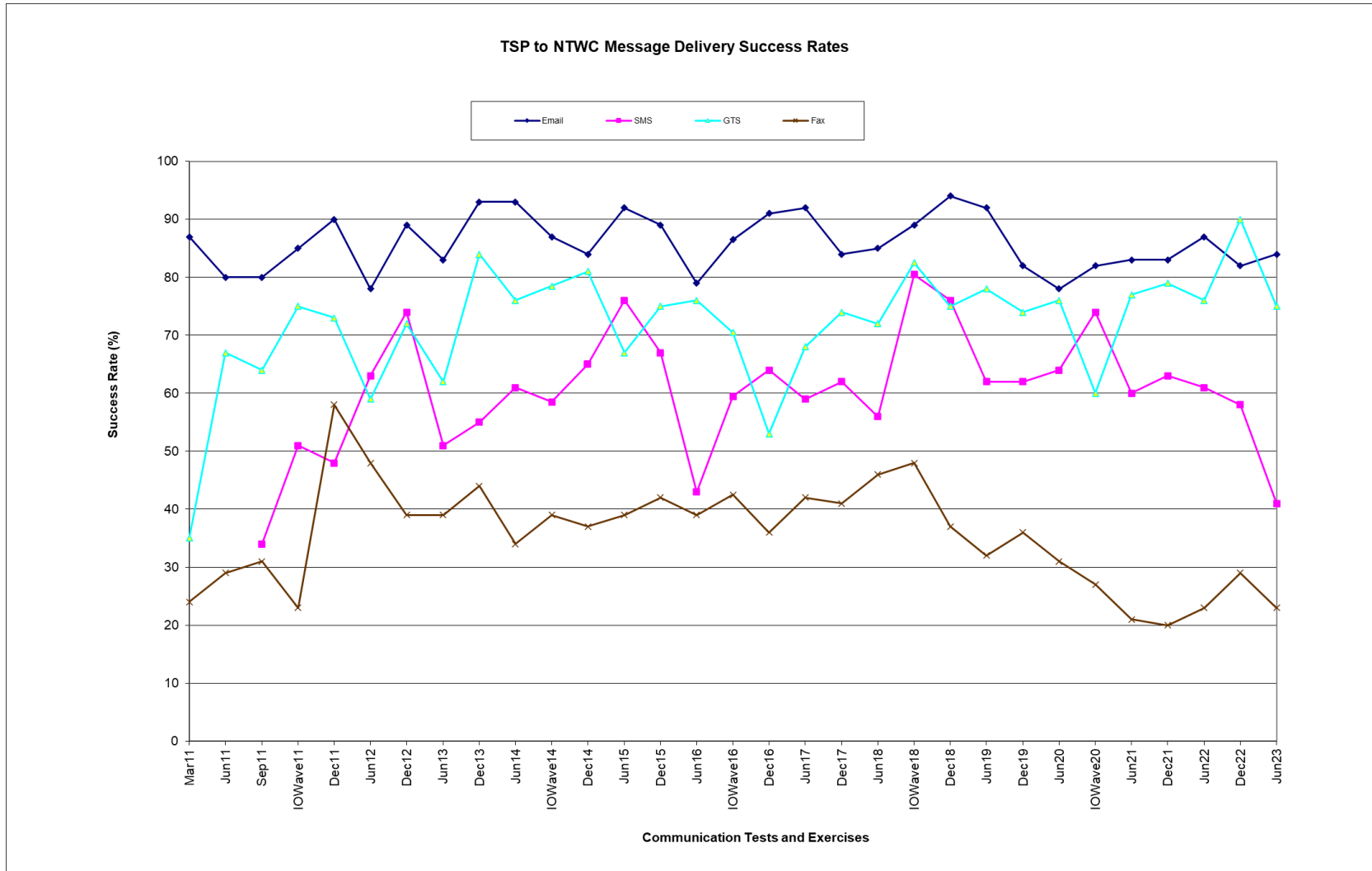
Table 3: Test Results Comparison Continued

Test Date:	12-Jun-19 (22 NTWCs)		11-Dec-19 (25 NTWCs)		10-Jun-20 (25 NTWCs)		08-Dec-21 (21 NTWCs)		08-Jun-22 (25 NTWCs)		07-Dec-22 (22 NTWCs)		07-Jun-23 (18 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)
Received GTS Messages														
Australia	76%	64	79%	6	76%	38	82%	16	78%	9	89%	28	83%	8
India	80%	58	73%	6	76%	6	80%	27	74%	12	93%	28	59%	8
Indonesia	76%	65	68%	19	75%	4	75%	35	76%	11	87%	27	83%	8
TSP Average	78%	62	74%	10	76%	16	79%	26	76%	11	90%	28	75%	8
Received Fax Messages														
Australia	50%	57	45%	39	43%	80	7%	27	19%	152	28%	44	25%	48
India	30%	15	44%	38	36%	95	38%	9	30%	145	33%	307	27%	23
Indonesia	15%	79	18%	8	12%	15	14%	32	21%	177	26%	46	17%	43
TSP Average	32%	50	36%	28	31%	63	20%	23	23%	158	29%	132	23%	38
Received Email Messages														
Australia	92%	37	84%	6	85%	15	93%	3	91%	6	85%	187	89%	12
India	97%	26	82%	12	76%	14	90%	5	87%	44	88%	187	81%	6
Indonesia	86%	58	79%	15	74%	4	70%	7	83%	10	73%	183	82%	7
TSP Average	92%	40	82%	11	78%	11	83%	5	87%	20	82%	186	84%	8
Received SMS Messages														
Australia	55%	11	61%	5	66%	15	69%	70	58%	6	55%	41	67%	10
India	69%	96	58%	17	63%	34	59%	10	50%	8	50%	32	22%	2
Indonesia	63%	15	68%	62	62%	15	61%	34	75%	16	68%	140	34%	76
TSP Average	62%	41	62%	28	64%	21	63%	38	61%	10	58%	71	41%	19
Accessed Web Pages														
Australia	69%	n/a	73%	n/a	75%	n/a	75%	n/a	70%	n/a	77%	n/a	83%	n/a
India	67%	n/a	72%	n/a	78%	n/a	81%	n/a	58%	n/a	57%	n/a	71%	n/a
Indonesia	76%	n/a	77%	n/a	84%	n/a	85%	n/a	76%	n/a	77%	n/a	89%	n/a
TSP Average	71%		74%		79%		80%		68%		70%		81%	
Lodged Web Status Reports														
	50%		58%		54%		75%		40%		45%		56%	

Notes on Table 3:

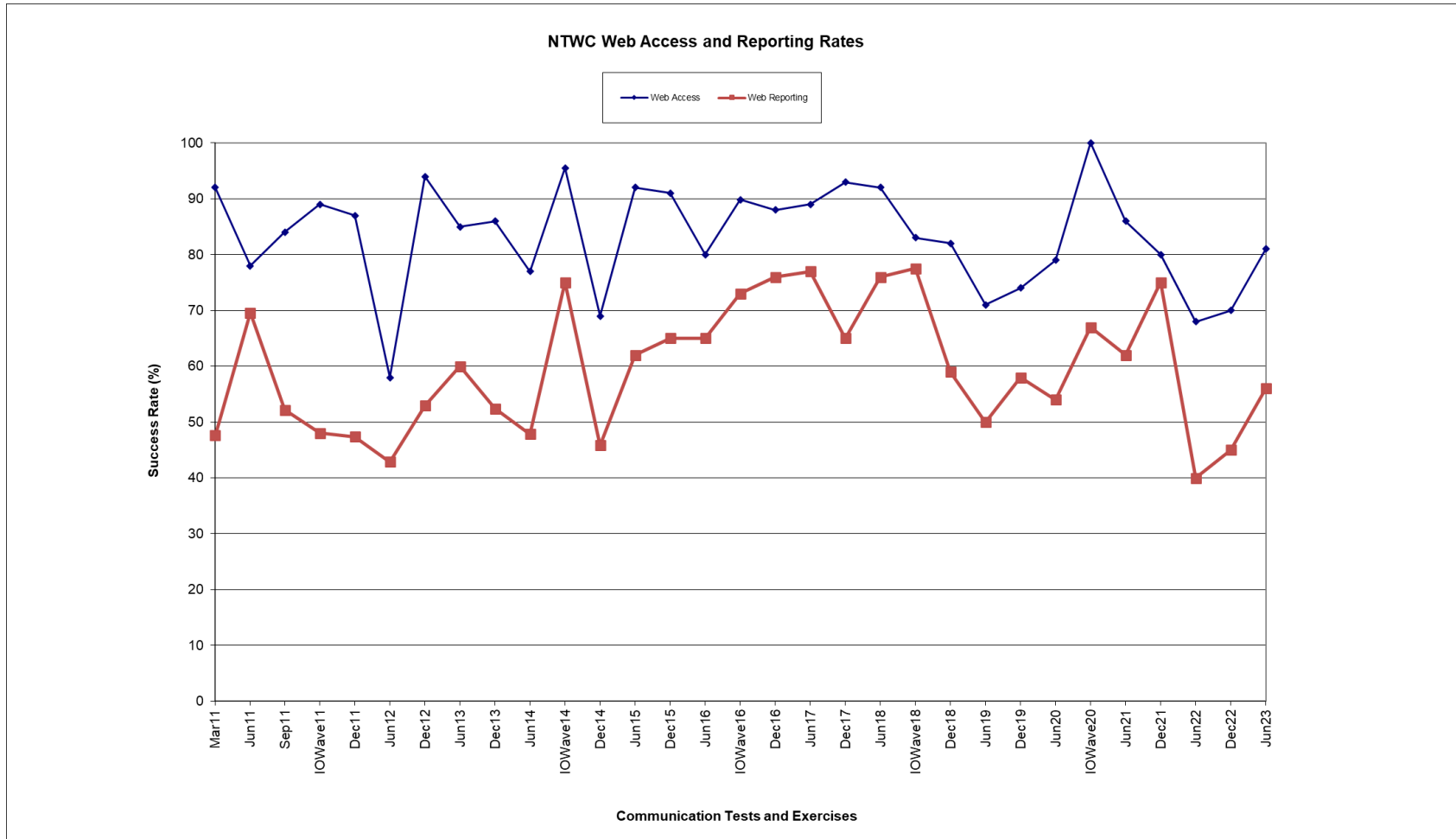
1. Percentages are based on the number of NTWCs that:
 - a. Received each TSP's notification messages
 - b. Were able to access TSP web pages
 - c. Were able to lodge NTWC Warning Status Reports via a TSP web page.
2. "Max Delay" is the highest message delay reported across all NTWCs for each TSP's messages

Chart 3: Message Delivery Success Rates



The methodology was updated in Dec-22 such that countries that have opted out of a service were excluded from the total when calculating the delivery success rate.

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 wherever 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	COM	FR	IN	IND	IR	KEN	MAD	MAL	MM	OM	SY	SIN	SA	SLK	THA	UAE	YEM		
Message Receipt	GTS	AUSTRALIA	●	○	●	●	●	n/a	●	n/a	●	●	●	●	●	●	●	●	●	●	○	
		INDIA	●	○	●	●	●	n/a	●	n/a	●	●	●	●	●	●	●	●	●	●	●	○
		INDONESIA	●	○	●	●	●	n/a	●	n/a	●	●	●	●	●	●	●	●	●	●	●	○
	Fax	AUSTRALIA	n/a	○	n/a	○	○	●	○	n/a	○	○	●	●	○	●	○	●	○	○	○	○
		INDIA	n/a	○	n/a	●	○	○	○	n/a	○	○	●	●	○	●	○	●	○	○	○	○
		INDONESIA	n/a	○	n/a	○	●	○	○	n/a	○	○	●	●	○	●	○	○	○	○	○	○
	Email	AUSTRALIA	●	●	○	●	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●
		INDIA	●	●	●	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	○
		INDONESIA	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○
	SMS	AUSTRALIA	●	●	n/a	●	○	●	●	●	●	●	○	●	●	●	○	●	●	○	●	●
		INDIA	○	○	n/a	●	○	○	○	●	●	●	○	○	●	○	○	●	●	○	○	○
		INDONESIA	●	○	n/a	●	●	●	○	●	●	●	●	●	○	○	○	○	○	●	○	○
Website	Access	AUSTRALIA	●	●	●	●	●	●	●	●	●	○	●	●	●	●	●	●	○	●	○	
		INDIA	●	●	●	●	●	●	●	●	●	●	○	●	●	○	●	○	○	●	○	
		INDONESIA	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	●	○	
	Report	Any TSP	●	●	○	●	●	●	○	○	●	●	○	●	●	○	○	○	○	●	○	

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

● = Received, accessed, or reported

○ = Not received, accessed, or reported

n/a = Not applicable. Opted out of service.

⊗

APPENDICES

Appendix A: GTS Messages Received by each NTWC

	Bulletin No \ Country	AUS	COM	FR	IN	IND	IR	KEN	MAD	MAL	MM	OM	SY	SIN	SA	SLK	THA	UAE	YEM	Tot	%	Ave
AUSTRALIA	06:00 Test Start	06:00	-	06:00	06:01	06:00	n/a	06:00	n/a	-	06:01	06:00	06:00	06:00	06:08	06:00	-	06:01	-	12	75	
	06:05 Bulletin 1	06:05	-	06:05	06:05	06:05	n/a	06:05	n/a	06:14	06:06	06:05	06:05	06:05	06:16	06:05	06:05	06:06	-	14	88	
	06:15 Bulletin 2	06:15	-	06:15	06:15	06:15	n/a	06:16	n/a	06:22	06:17	06:15	06:15	06:15	06:19	06:15	06:15	06:16	-	14	88	
	06:30 Bulletin 3	06:30	-	06:30	06:31	06:30	n/a	06:31	n/a	-	06:42	06:30	06:30	06:30	06:32	06:31	06:30	06:31	-	13	81	
	06:45 Bulletin 4	06:45	-	06:45	06:46	06:45	n/a	06:46	n/a	-	06:53	06:45	06:45	06:45	06:50	06:45	06:45	06:46	-	13	81	83
INDIA	06:00 Test Start	-	-	-	06:00	-	n/a	-	n/a	-	-	06:07	-	06:00	06:01	-	-	-	-	4	25	
	06:05 Bulletin 1	06:05	-	06:06	06:05	06:05	n/a	06:03	n/a	-	06:07	06:05	6:05	06:05	06:10	06:06	06:05	06:06	-	13	81	
	06:15 Bulletin 2	06:16	-	06:17	06:16	06:16	n/a	06:17	n/a	-	06:19	06:16	6:16	06:16	06:20	06:17	06:15	06:17	-	13	81	
	06:30 Bulletin 3	-	-	-	06:30	-	n/a	-	n/a	-	-	-	-	06:30	-	-	06:30	-	-	3	19	
	06:45 Bulletin 4	06:45	-	06:45	06:45	06:45	n/a	06:48	n/a	06:52	06:53	06:45	6:45	06:45	06:48	06:45	06:45	06:46	-	14	88	59
INDONESIA	06:00 Test Start	06:00	-	06:00	06:00	06:00	n/a	06:00	n/a	06:10	06:01	06:00	6:00	06:00	06:01	06:00	-	06:00	-	13	81	
	06:05 Bulletin 1	06:05	-	06:05	06:05	06:05	n/a	06:05	n/a	-	06:06	06:05	6:05	06:05	06:09	06:05	06:05	06:06	-	13	81	
	06:15 Bulletin 2	06:15	-	06:16	06:15	06:15	n/a	06:16	n/a	-	06:17	06:15	6:15	06:16	06:16	06:15	06:15	06:16	-	13	81	
	06:30 Bulletin 3	06:30	-	06:30	06:31	06:30	n/a	06:31	n/a	06:38	06:42	06:30	6:30	06:30	06:31	06:31	06:30	06:31	-	14	88	
	06:45 Bulletin 4	06:45	-	06:45	06:46	06:45	n/a	06:46	n/a	-	06:53	06:45	6:45	06:45	06:52	06:45	06:45	06:46	-	13	81	83

AUS=Australia, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MM=Myanmar, OM=Oman, 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
 - n/a = Not applicable. The NTWCs in Iran and Madagascar are not connected to the GTS.
 - "Tot" = number of NTWCs who received message, out of 16
 - "%" = percentage of NTWCs who received message
 - Message(s) with maximum time delay for each TSP are highlighted in yellow. Highest overall delay = 8 minutes

Appendix B: Fax Messages Received by each NTWC

	Bulletin No \ Country	AUS	COM	FR	IN	IND	IR	KEN	MAD	MAL	MM	OM	SY	SIN	SA	SLK	THA	UAE	YEM	Tot	%	Ave
AUSTRALIA	06:00 Test Start	n/a	-	n/a	-	-	-	-	n/a	-	06:03	06:06	-	06:02	-	06:11	-	-	-	4	27	
	06:05 Bulletin 1	n/a	-	n/a	-	-	06:34	-	n/a	-	06:19	06:29	-	06:05	-	06:30	-	-	-	5	33	
	06:15 Bulletin 2	n/a	-	n/a	-	-	06:48	-	n/a	-	06:40	06:43	-	06:17	-	06:57	-	-	-	5	33	
	06:30 Bulletin 3	n/a	-	n/a	-	-	-	-	n/a	-	07:05	-	-	06:32	-	07:18	-	-	-	3	20	
	06:45 Bulletin 4	na/	-	n/a	-	-	-	-	n/a	-	-	-	-	06:46	-	-	-	-	-	2	13	25
INDIA	06:00 Test Start	n/a	-	n/a	06:02	-	-	-	n/a	-	06:30	06:01	-	06:01	-	05:59	-	-	-	5	33	
	06:05 Bulletin 1	n/a	-	n/a	06:08	-	-	-	n/a	-	06:30	06:07	-	06:06	-	06:05	-	-	-	5	33	
	06:15 Bulletin 2	n/a	-	n/a	06:18	-	-	-	n/a	-	06:30	06:38	-	06:17	-	06:16	-	-	-	5	33	
	06:30 Bulletin 3	n/a	-	n/a	06:32	-	-	-	n/a	-	-	-	-	06:33	-	-	-	-	-	2	13	
	06:45 Bulletin 4	n/a	-	n/a	06:46	-	-	-	n/a	-	-	-	-	06:48	-	06:53	-	-	-	3	20	27
INDONESIA	06:00 Test Start	n/a	-	n/a	-	06:01	-	-	n/a	-	-	06:03	-	06:03	-	-	-	-	-	3	20	
	06:05 Bulletin 1	n/a	-	n/a	-	06:07	-	-	n/a	-	-	06:48	-	06:06	-	-	-	-	-	3	20	
	06:15 Bulletin 2	n/a	-	n/a	-	06:12	-	-	n/a	-	-	-	-	06:18	-	-	-	-	-	2	13	
	06:30 Bulletin 3	n/a	-	n/a	-	06:32	-	-	n/a	-	-	-	-	06:32	-	-	-	-	-	2	13	
	06:45 Bulletin 4	n/a	-	n/a	-	06:46	-	-	n/a	-	06:46	-	-	06:46	-	-	-	-	-	3	20	17

AUS=Australia, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MM=Myanmar, OM=Oman, 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. n/a = Not applicable. Australia, France (Indian Ocean Territories), Madagascar, and Timor Leste have opted out of the fax service.
3. "Tot" = number of NTWCs who received message, out of 15
4. "%" = percentage of NTWCs who received message
5. Message(s) with maximum time delay for each TSP are highlighted in yellow. Highest overall delay = 48 minutes
6. Kenya and Thailand advised that their fax reception was functional for this test.

Appendix C: Email Messages Received by each NTWC

	Bulletin No \ Country	AUS	COM	FR	IN	IND	IR	KEN	MAD	MAL	MM	OM	SY	SIN	SA	SLK	THA	UAE	YEM	Tot	%	Ave
AUSTRALIA	06:00 Test Start	06:01	06:00	-	06:00	06:00	06:00	-	06:00	06:00	06:00	06:05	06:00	06:01	06:08	06:00	06:00	06:01	06:00	16	89	
	06:05 Bulletin 1	06:06	06:05	-	06:05	06:05	06:05	-	06:05	06:05	06:05	06:07	06:05	06:07	06:17	06:05	06:05	06:13	06:05	16	89	
	06:15 Bulletin 2	06:16	06:15	-	06:15	06:15	06:16	-	06:15	06:15	06:15	06:16	06:16	06:17	06:20	06:15	06:15	06:16	06:16	16	89	
	06:30 Bulletin 3	06:31	06:30	-	06:30	06:30	06:31	-	06:30	06:30	06:30	06:30	06:31	06:32	06:32	06:30	06:30	06:31	06:31	16	89	
	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	06:46	06:50	06:45	06:45	06:46	06:46	16	89
INDIA	06:00 Test Start	-	06:00	-	06:00	-	-	06:00	06:00	06:00	06:00	06:05	06:01	06:01	06:01	06:00	06:00	06:00	-	13	72	
	06:05 Bulletin 1	06:06	06:05	06:06	06:05	06:05	-	06:05	06:05	06:05	06:05	06:06	06:06	06:06	yes	06:05	06:05	06:06	-	16	89	
	06:15 Bulletin 2	06:17	06:16	06:17	06:16	06:16	-	06:16	06:16	06:16	06:16	06:16	06:17	06:17	06:21	06:16	06:15	06:17	-	16	89	
	06:30 Bulletin 3	-	06:31	-	06:30	06:30	-	06:31	06:30	06:31	06:31	06:30	-	06:32	-	06:31	06:30	06:31	-	12	67	
	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	06:49	06:48	06:45	06:45	06:45	-	16	89	81
INDONESIA	06:00 Test Start	06:00	06:00	-	06:00	06:00	06:01	06:01	06:00	06:00	06:00	-	06:00	06:02	06:01	06:01	06:00	-	-	14	78	
	06:05 Bulletin 1	06:06	06:05	-	06:05	06:05	06:06	06:05	06:05	06:05	06:05	06:07	06:05	06:08	yes	06:05	06:05	-	-	15	83	
	06:15 Bulletin 2	06:16	06:15	-	06:15	06:15	06:16	06:15	06:15	06:15	06:15	06:15	06:16	06:18	06:17	06:15	06:15	-	-	15	83	
	06:30 Bulletin 3	06:31	06:30	-	06:30	06:30	06:31	06:30	06:30	06:30	06:30	06:30	06:30	06:31	06:31	06:31	06:30	-	-	15	83	
	06:45 Bulletin 4	06:46	06:46	-	06:46	06:45	06:46	06:45	06:45	06:46	06:45	06:46	06:45	06:46	06:52	06:46	06:45	-	-	15	83	82

AUS=Australia, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MM=Myanmar, OM=Oman, 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 18
3. "%" = percentage of NTWCs who received message
4. Message(s) with maximum time delay for each TSP highlighted in **yellow**. Highest overall delay = 12 minutes

Appendix D: SMS Messages Received by each NTWC

	Bulletin No \ Country	AUS	COM	FR	IN	IND	IR	KEN	MAD	MAL	MM	OM	SY	SIN	SA	SLK	THA	UAE	YEM	Tot	%	Ave
AUSTRALIA	06:00 Test Start	06:01	-	n/a	06:01	-	06:01	06:00	06:01	06:00	-	06:10	06:01	06:01	-	06:00	06:01	-	-	11	65	
	06:05 Bulletin 1	06:05	06:01	n/a	06:05	-	06:06	06:06	06:05	06:05	-	06:10	06:05	06:05	-	06:05	06:05	-	-	12	71	
	06:15 Bulletin 2	06:16	06:16	n/a	06:16	-	06:16	06:15	06:16	06:15	-	-	06:15	06:16	-	06:15	06:15	-	-	11	65	
	06:30 Bulletin 3	06:31	-	n/a	06:31	-	06:31	06:31	06:31	06:30	-	06:31	06:31	06:31	-	06:30	06:31	-	06:31	12	71	
	06:45 Bulletin 4	06:45	-	n/a	06:46	-	06:46	06:45	06:45	06:45	-	-	06:46	06:45	-	06:45	06:45	-	06:46	11	65	67
INDIA	06:00 Test Start	-	-	n/a	06:00	-	-	-	06:00	06:00	-	-	06:00	-	-	06:00	06:00	-	-	6	35	
	06:05 Bulletin 1	-	-	n/a	06:06	-	-	-	06:05	-	-	-	06:06	-	-	06:05	-	-	-	4	24	
	06:15 Bulletin 2	-	-	n/a	06:17	-	-	-	06:17	-	-	-	06:17	-	-	06:15	-	-	-	4	24	
	06:30 Bulletin 3	-	-	n/a	06:31	-	-	-	06:31	-	-	-	06:31	-	-	06:31	-	-	-	4	24	
	06:45 Bulletin 4	-	-	n/a	06:46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	6	22
INDONESIA	06:00 Test Start	06:05	-	n/a	-	06:00	-	-	-	06:04	06:00	06:10	-	-	-	-	06:07	-	-	6	35	
	06:05 Bulletin 1	06:17	-	n/a	06:13	06:07	06:16	-	06:17	06:14	06:12	06:12	-	-	-	-	06:16	-	-	9	53	
	06:15 Bulletin 2	06:28	-	n/a	-	06:18	-	-	-	06:28	-	-	-	-	-	-	06:23	-	-	4	24	
	06:30 Bulletin 3	06:43	-	n/a	-	06:32	-	-	-	06:37	-	-	-	-	-	-	06:44	-	-	4	24	
	06:45 Bulletin 4	06:55	-	n/a	-	06:45	08:01	-	-	06:54	06:54	-	-	-	-	-	06:50	-	-	6	35	34

AUS=Australia, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MM=Myanmar, OM=Oman, 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
- n/a = Not applicable. France (Indian Ocean Territories) has opted out of the SMS service.
- "Tot" = number of NTWCs who received message, out of 17
- "%" = percentage of NTWCs who received message
- Message(s) with maximum time delay for each TSP highlighted in yellow. Highest overall delay = 1 hour 16 minutes

Appendix E: Web Access by each NTWC

	Bulletin No \ Country	AUS	COM	FR	IN	IND	IR	KEN	MAD	MAL	MM	OM	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	0	15	83	
	06:15 Bulletin 2	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	-	1	0	15	83	
	06:30 Bulletin 3	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	-	1	0	15	83	
	06:45 Bulletin 4	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	-	1	0	15	83	83
INDIA	06:05 Bulletin 1	1	1	1	1	1	1	1	1	1	1	-	1	1	0	1	-	1	-	14	78	
	06:15 Bulletin 2	1	1	1	1	1	1	1	1	1	-	-	1	1	0	1	-	1	-	13	72	
	06:30 Bulletin 3	1	1	1	1	1	1	1	0	1	-	-	1	1	-	1	-	1	-	12	67	
	06:45 Bulletin 4	1	1	1	1	1	1	1	0	1	-	-	1	1	0	1	-	1	-	12	67	71
INDONESIA	06:05 Bulletin 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	-	16	89	
	06:15 Bulletin 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	-	16	89	
	06:30 Bulletin 3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	-	16	89	
	06:45 Bulletin 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	-	16	89	89

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

Notes:

1. 1 = TSP web page accessed OK
2. 0 = TSP web page not accessed
3. - = TSP web page access not reported
4. "Tot" = number of NTWCs who accessed TSP web page, out of 18
5. "%" = percentage of NTWCs who accessed web page

Appendix F: Web Status Reports lodged by each NTWC

TSP	% NTWCs reporting (out of 18)	Number of NTWCs	AUS	COM	FR	IN	IND	IR	KEN	MAD	MAL	MM	OM	SY	SIN	SA	SLK	THA	UAE	YEM
Australia	6%	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	-	0	-
India	50%	9	1	1	0	1	1	1	0	0	1	1	0	1	0	0	0	-	1	-
Indonesia	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	-
Any TSP	56%	10	1	1	0	1	1	1	0	0	1	1	0	1	1	0	0	-	1	-

AUS=Australia, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MM=Myanmar, OM=Oman, 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 0610 UTC


Wed Jun 07 2023 11:40:14 IST
Wed, 07 Jun 2023 06:10:14 UTC

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Indian Tsunami Early Warning System

Ministry of Earth Sciences - Government of India



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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	Threat Level 0	NTWC, Myanmar will issue Earthquake News.	NTWC	Wed Jun 07 2023 12:38:49 GMT+0630 (Myanmar Time)
Oman	-	-	-	-
Pakistan	Threat Level 0	No threat	NTWC, Karachi, Pakistan	Wed Jun 07 2023 11:06:45 GMT+0500 (Pakistan Standard Time)
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 at 06:28 UTC



Indian Tsunami Early Warning System

Ministry of Earth Sciences - Government of India



Summary of the Current Threat Status as reported by the NTWCs

This page displays the summary of feedback received from individual NTWCs 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	Potential threat bulletin issued at 06:15UTC for potential marine threat to the Cocos Islands, Western Australia, Casey, Mawson and Davis.	Glen Perrin	Wed Jun 07 2023 16:15:40 GMT+1000 (Australian Eastern Standard Time)
Bangladesh	-	-	-	-
Comoros	-	-	-	-
Djibouti	-	-	-	-
France (Indian Ocean Territories)	-	-	-	-
India	Threat Level 3	Tsunami threat issued to East Coast of India. Andaman and Nicobar Islands being inundated. Evacuations initiated.	ITEWC	Wed Jun 07 2023 11:52:02 GMT+0530 (India Standard Time)
Indonesia	Threat Level 2	People in Sumatra are currently reporting felt earthquake. The BMKG issued tsunami early warnings in several affected areas, so that people could carry out self evacuations to safe places.	Sigit	Wed Jun 07 2023 13:19:34 GMT+0700 (Western Indonesia Time)
Iran	-	-	-	-
Kenya	-	-	-	-
Madagascar	-	-	-	-
Malaysia	Threat Level 2	Malaysia NTWC issued a tsunami warning for west coast state of Peninsular Malaysia	NTWC, Malaysia - Mazni	Wed Jun 07 2023 14:24:59 GMT+0800 (Malaysia Time)
Maldives	-	-	-	-
Mauritius	-	-	-	-
Mozambique	-	-	-	-
Myanmar	Threat Level 1	NTWC, Myanmar will issue the Tsunami Warning for Myanmar coastal areas based on the RTSPs information.	NTWC	Wed Jun 07 2023 12:47:15 GMT+0630 (Myanmar Time)
Oman	-	-	-	-
Pakistan	Threat Level 0	No Threat	NTWC, Karachi, Pakistan	Wed Jun 07 2023 11:15:41 GMT+0500 (Pakistan Standard Time)
Seychelles	-	-	-	-
Singapore	-	-	-	-
Somalia	-	-	-	-
South Africa	-	-	-	-
Sri Lanka	-	-	-	-
Tanzania	-	-	-	-
Thailand	-	-	-	-
Timor-Leste	-	-	-	-
UAE	-	-	-	-
UK (Indian Ocean Territories)	-	-	-	-
Yemen	-	-	-	-

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 "Ocean Valley", Pragathi nagar(BO),
 Nizampet(SO) Hyderabad-500090,
 Telangana.

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

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

Earthquakes

Event	Date	Mag.	Location
1	06:00 UTC 07 June 2023	9.0	NICOBAR ISLANDS, INDIA REGION *** TEST EVENT ***

Tsunami Wave Observations

#	Location	MAX	Date	Ev.
---	----------	-----	------	-----

National Tsunami Warning Centres
Australia | Bangladesh | France (Indian Ocean Territories) | India | Indonesia | Kenya | Madagascar | Malaysia | Maldives | Mauritius | Mozambique | Myanmar | Oman | Pakistan | Seychelles | Singapore | Sri Lanka | Tanzania | Thailand | Timor-Leste | UAE

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Figure 3a: TSP India NTWC Status Display Webpage after 3rd Test Message
 The webpage snapshot at 06:43 UTC

Wed Jun 07 2023 12:13:02 IST
Wed, 07 Jun 2023 06:43:02 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 NTWCs 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 2	Confirmed threat bulletin issued at 06:30UTC, due to observation at Nancowry India, with marine threat continuing for the Cocos Islands, Western Australia, Casey, Mawson and Davis.	Glen Perrin	Wed Jun 07 2023 16:30:28 GMT+1000 (Australian Eastern Standard Time)
Bangladesh	-	-	-	-
Comoros	-	-	-	-
Djibouti	-	-	-	-
France (Indian Ocean Territories)	-	-	-	-
India	Threat Level 3	Major tsunami waves observed in Andaman and Nicobar Islands. Evacuations underway in east coast of India also.	ITEWC	Wed Jun 07 2023 12:04:30 GMT+0530 (India Standard Time)
Indonesia	Threat Level 3	Tsunami waves are expected to hit most areas of Northern Sumatra. The community has been evacuated to a safe place and is still waiting for information updates.	Sigit	Wed Jun 07 2023 13:34:18 GMT+0700 (Western Indonesia Time)
Iran	-	-	-	-
Kenya	-	-	-	-
Madagascar	-	-	-	-
Malaysia	Threat Level 3	Tsunami Warning for Penang, Kedah, Perlis, Selangor & Perak.	NTWC, Malaysia - Mazni	Wed Jun 07 2023 14:39:42 GMT+0800 (Malaysia Time)
Maldives	-	-	-	-
Mauritius	-	-	-	-
Mozambique	-	-	-	-
Myanmar	Threat Level 2	NTWC, Myanmar will issue the Tsunami information for Myanmar coastal areas based on the RTSPs information.	NTWC	Wed Jun 07 2023 13:01:21 GMT+0630 (Myanmar Time)
Oman	-	-	-	-
Pakistan	Threat Level 0	No threat	NTWC, Karachi, Pakistan	Wed Jun 07 2023 11:32:26 GMT+0500 (Pakistan Standard Time)
Seychelles	Threat Level 0		S. Adam	Wed Jun 07 2023 10:38:49 GMT+0400 (Gulf Standard Time)
Singapore	-	-	-	-
Somalia	-	-	-	-
South Africa	-	-	-	-
Sri Lanka	-	-	-	-
Tanzania	-	-	-	-
Thailand	-	-	-	-
Timor-Leste	-	-	-	-
UAE	-	-	-	-

Figure 3b: TSP Australia Public Webpage after 3rd Test Message

The screenshot shows the Australian Government Bureau of Meteorology website. The main heading is "TEST TEST - Earthquake Current - Not a Real Event - TEST TEST". Below this, there is a map of the Indian Ocean region with a red circle indicating the test event location. The page includes several data tables and navigation menus.

Warning Status Table:

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

Earthquakes Table:

Event	Date	Mag.	Location
1	06:00 UTC 07 June 2023	9.0	NICOBAR ISLANDS, INDIA REGION *** TEST EVENT ***

Tsunami Wave Observations Table:

#	Location	MAX	Date	Ev.
1	Nancowry	2.20m	06:25 UTC 07 Jun	1


National Tsunami Warning Centres: Australia, Bangladesh, France (Indian Ocean Territories), India, Indonesia, Kenya, Madagascar, Malaysia, Maldives, Mauritius, Mozambique, Myanmar, Oman, Pakistan, Seychelles, Singapore, Sri Lanka, Tanzania, Thailand, Timor-Leste, UAE.

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


The webpage snapshot at 09:16 UTC

Wed Jun 07 2023 14:46:35 IST
Wed, 07 Jun 2023 09:16:35 UTC
About Us Login English



Indian Tsunami Early Warning System

Ministry of Earth Sciences - Government of India



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Home / Tsunami Early Warnings / NTWCs Feedback Summary

Summary of the Current Threat Status as reported by the NTWCs

This page displays the summary of feedback received from individual NTWCs 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	Tsunami final bulletin issued at 06:45UTC for the end of the event.	Glen Perrin	Wed Jun 07 2023 16:45:27 GMT+1000 (Australian Eastern Standard Time)
Bangladesh	-	-	-	-
Comoros	Threat Level 2	the arrival times of Tsunami waves correspond to the 2nd high tide. current warning statut is now level 2 of 4	HANIYA Abdoukarim Said	Wed Jun 07 2023 11:00:17 GMT+0300 (heure normale de Moscou)
Djibouti	-	-	-	-
France (Indian Ocean Territories)	-	-	-	-
India	CANCELLATION/ALL CLEAR	Tsunami threat passed. However, DMOs were asked to issue ALL CLEAR based on location conditions.	ITEWC	Wed Jun 07 2023 12:19:04 GMT+0530 (India Standard Time)
Indonesia	CANCELLATION/ALL CLEAR	Tsunami warning has cancelled, sea level observed around 4.2 m tsunami in tide gauge of Sabang	Sigit	Wed Jun 07 2023 13:46:50 GMT+0700 (Western Indonesia Time)
Iran	Threat Level 0		Majid Nouranian	Wed Jun 07 2023 10:39:28 GMT+0330 (Iran Standard Time)
Kenya	-	-	-	-
Madagascar	-	-	-	-
Malaysia	CANCELLATION/ALL CLEAR		NTWC, Malaysia -Mazni	Wed Jun 07 2023 14:55:46 GMT+0800 (Malaysia Time)
Maldives	-	-	-	-
Mauritius	-	-	-	-
Mozambique	-	-	-	-
Myanmar	CANCELLATION/ALL CLEAR	NTWC, Myanmar will issue tsunami cancellation for Myanmar coastal areas based on the RTSPs information.	NTWC	Wed Jun 07 2023 13:16:19 GMT+0630 (Myanmar Time)
Oman	-	-	-	-
Pakistan	Threat Level 0	No threat	NTWC, Karachi, Pakistan	Wed Jun 07 2023 11:46:54 GMT+0500 (Pakistan Standard Time)
Seychelles	Threat Level 2	FREGATE ISLAND, ILE DESROCHES AND TAKAMAKA for ORANGE ALERT.	S. Adam	Wed Jun 07 2023 11:34:44 GMT+0400 (Gulf Standard Time)
Singapore	-	-	-	-
Somalia	-	-	-	-
South Africa	-	-	-	-
Sri Lanka	-	-	-	-
Tanzania	-	-	-	-
Thailand	-	-	-	-
Timor-Leste	-	-	-	-
UAE	Threat Level 1	Threat in KALBA 0.7m T1 arrive at 07 06 2023, 13:58. T2 at 08 06 2023, 05:26.	NTWC	Wed Jun 07 2023 11:17:23 GMT+0400 (Gulf Standard Time)
UK (Indian Ocean Territories)	-	-	-	-
Yemen	-	-	-	-

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Telangana.

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

The screenshot displays the TSP Australia Public Webpage. At the top, the Australian Government Bureau of Meteorology logo is visible, along with navigation links for HOME, ABOUT, MEDIA, CONTACTS, and a search bar. The main header indicates the page is for the Joint Australian Tsunami Warning Centre, specifically for the Status of Tsunami Warnings in the Indian Ocean. A sub-header states 'No Tsunami Currently Affecting Indian Ocean'. The central part of the page features a world map with the Indian Ocean highlighted. To the left of the map is a 'Warning Status' table with columns for country/region and status. Below the table are sections for Earthquakes, Tsunami Wave Observations, and National Tsunami Warning Centres. The footer contains various service links, social media icons, and copyright information.

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

Tsunami Wave Observations: #, Location, MAX, Date, Ev.

National Tsunami Warning Centres: Australia, Bangladesh, France (Indian Ocean Territories), India, Indonesia, Kenya, Madagascar, Malaysia, Maldives, Mauritius, Mozambique, Myanmar, Oman, Pakistan, Seychelles, Singapore, Sri Lanka, Tanzania, Thailand, Timor-Leste, UAE

Appendix G: Accessibility of TSP-Indonesia Warning Receiver System

AUS	COM	FR	IN	IND	IR	KEN	MAD	MAL	MM	OM	SY	SIN	SA	SLK	THA	UAE	YEM	Tot	%
1	-	1	1	1	1	1	0	1	-	1	1	1	1	1	-	1	-	13	72

AUS=Australia, COM=Comoros, FR=France (Indian Ocean Territories), IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MM=Myanmar, OM=Oman, 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 18
5. "%" = percentage of NTWCs who accessed web page

Comments:

Indonesia	TSP-Indonesia Warning Receiver System is working great all this time and very helpful to operator.
South Africa	The site provided spatial insights into location and threat for South Africa

Appendix H: Test Messages Transmitted by each TSP

TSP AUSTRALIA Test Start Message

WEIO24 AMMC 070600

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

INDIAN OCEAN TSUNAMI WARNING AND MITIGATION SYSTEM [IOTWMS] COMMUNICATIONS TEST
0600 UTC 7 JUNE 2023
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 7 JUNE 2023 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 TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST TEST

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

TSP AUSTRALIA Message 1

IDY68503

```
#####  
#  
# IOTWMS COMMS TEST 7 JUNE 2023 - 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 07 June 2023  
-----
```

... 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: 07 Jun 2023
Origin Time: 0600 UTC
Latitude: 7.20N
Longitude: 92.90E
Location: NICOBAR ISLANDS, INDIA REGION

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

IOTWMS COMMS TEST 7 JUNE 2023 - NOT A REAL TSUNAMI EVENT

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

TSP AUSTRALIA Message 2

IDY68501

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#####  
#  
# IOTWMS COMMS TEST 7 JUNE 2023 - NOT A REAL TSUNAMI EVENT  
#  
#####
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TEST TSUNAMI BULLETIN NUMBER 2 (TYPE-II THREAT ASSESSMENT BULLETIN)  
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)  
ISSUED AT 0615 UTC Wednesday 07 June 2023  
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... 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: 07 Jun 2023
Origin Time: 0600 UTC
Latitude: 7.20N
Longitude: 92.90E
Location: NICOBAR ISLANDS, INDIA REGION

2. EVALUATION

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

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

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

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

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

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

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

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. As local conditions can cause a wide variation in tsunami wave action, CANCELLATION of national warnings and ALL CLEAR determination must be made by national/state/local authorities.

AUSTRALIA

COCOS ISLAND	0818Z	07Jun2023	0.69m
GASCOYNE COAST	1236Z	07Jun2023	0.86m
PILBARA COAST WEST	1442Z	07Jun2023	0.73m
LEEUEWIN COAST	1510Z	07Jun2023	0.73m
AURORA BANK	1618Z	07Jun2023	1.33m
GERALDTON COAST	1702Z	07Jun2023	0.68m
HEARD ISLAND AND MCDONALD ISLANDS	1708Z	07Jun2023	2.01m
PERTH COAST	1944Z	07Jun2023	0.56m
BUNBURY GEOGRAPHE COAST	1954Z	07Jun2023	0.70m
PILBARA COAST EAST	2026Z	07Jun2023	0.60m

BANGLADESH

COXS BAZAR	0840Z	07Jun2023	2.81m
CHALNA	0846Z	07Jun2023	0.89m
KUTUBDIA ISLAND	0852Z	07Jun2023	2.80m
BARGUNA	0852Z	07Jun2023	2.80m

COMOROS

BAMBAO	1420Z	07Jun2023	0.58m
FOMBONI	1426Z	07Jun2023	0.70m
CHEZANI	1426Z	07Jun2023	1.16m

DJIBOUTI

NW ARTA	1556Z	07Jun2023	0.71m
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FRANCE

ILE SAINT-PAUL-NORTH	1248Z	07Jun2023	0.65m
ILE SAINT-PAUL-SOUTH	1300Z	07Jun2023	1.05m
SAINT-DENIS	1304Z	07Jun2023	0.50m
ILE DE LA POSSESSION	1520Z	07Jun2023	1.09m
ILE KERGUELEN	1522Z	07Jun2023	1.04m
CROZET PLATEAU	1530Z	07Jun2023	0.88m

INDIA

LITTLE ANDAMAN	0600Z	07Jun2023	13.72m
NORTH SENTINEL ISLAND	0600Z	07Jun2023	5.42m
KOMATRA & KATCHAL ISLAND	0608Z	07Jun2023	14.39m
CAR NICOBAR	0608Z	07Jun2023	10.60m
INDIRA POINT	0610Z	07Jun2023	12.40m
PORT BLAIR	0614Z	07Jun2023	3.40m
WEST & LANDFALL ISLAND	0632Z	07Jun2023	2.66m
FLAT ISLAND	0632Z	07Jun2023	3.15m
HAVELOCK	0636Z	07Jun2023	4.07m
BARREN ISLAND	0646Z	07Jun2023	1.67m
RANGATH BAY	0650Z	07Jun2023	2.94m
DIGLIPUR	0702Z	07Jun2023	3.87m
NARCONDAM ISLAND	0706Z	07Jun2023	1.52m
MAHABALIPURAM	0800Z	07Jun2023	5.11m
MARAKKANAM	0800Z	07Jun2023	7.70m
KAKINADA	0800Z	07Jun2023	2.49m
CHENNAI	0800Z	07Jun2023	5.11m
PUDUCHERRY	0802Z	07Jun2023	4.86m

SRIHARIKOTA	0802Z	07Jun2023	9.68m
CUDDALORE	0802Z	07Jun2023	5.45m
MACHILIPATNAM	0804Z	07Jun2023	4.55m
ENNORE	0804Z	07Jun2023	7.52m
PARADIP	0806Z	07Jun2023	2.31m
VISAKHAPATNAM	0806Z	07Jun2023	2.21m
POOMBUHAR	0806Z	07Jun2023	4.18m
KALINGAPATNAM	0808Z	07Jun2023	2.41m
NAGAPATTINAM	0808Z	07Jun2023	3.59m
MALLIPATTINAM	0808Z	07Jun2023	2.53m
PERUPALEM	0808Z	07Jun2023	3.26m
KARAIKAL	0808Z	07Jun2023	3.15m
PURI	0808Z	07Jun2023	2.82m
KONADA	0810Z	07Jun2023	2.38m
NIJAMPATTANAM	0810Z	07Jun2023	2.68m
KOTTAPATNAM	0814Z	07Jun2023	3.09m
MUTHUPET	0814Z	07Jun2023	2.26m
GOPALPUR	0818Z	07Jun2023	3.28m
JAMBOO	0824Z	07Jun2023	3.00m
TUTICORIN	0842Z	07Jun2023	1.77m
KOODANKULAM	0850Z	07Jun2023	2.26m
HEMNAGAR	0850Z	07Jun2023	1.01m
RAMESWARAM	0852Z	07Jun2023	1.56m
DHAMRA	0856Z	07Jun2023	4.73m
NAMKHANA	0856Z	07Jun2023	1.48m
KOTTTAIPPATTANAM	0856Z	07Jun2023	1.45m
KANYAKUMARI	0902Z	07Jun2023	2.48m
DIGHA	0904Z	07Jun2023	3.26m
CHANDIPUR	0910Z	07Jun2023	3.18m
TRIVANDRUM	0916Z	07Jun2023	1.53m
QUILON	0918Z	07Jun2023	1.45m
MINICOY	0928Z	07Jun2023	1.49m
ALLEPPEY ALAPPUZHA	0932Z	07Jun2023	1.86m
ANDROTH	0938Z	07Jun2023	0.97m
KAVARATTI	0950Z	07Jun2023	0.95m
AMINI	0958Z	07Jun2023	0.97m
COCHIN	1000Z	07Jun2023	1.33m
VADANAPPALLY	1000Z	07Jun2023	1.04m
AGATTI	1002Z	07Jun2023	1.10m
VAKKAD	1010Z	07Jun2023	0.87m
BEYPORE	1022Z	07Jun2023	0.84m
KANNUR	1032Z	07Jun2023	1.08m
MAHE	1038Z	07Jun2023	0.99m
KASARAGOD	1040Z	07Jun2023	1.17m
MALVAN BAY	1228Z	07Jun2023	0.77m
VASCO	1234Z	07Jun2023	0.85m
PANAJI	1248Z	07Jun2023	0.91m
KARWAR	1252Z	07Jun2023	1.14m
MANGALORE	1302Z	07Jun2023	1.01m
UDUPI	1318Z	07Jun2023	1.13m
JAIGARH	1338Z	07Jun2023	0.66m
DWARKA	1836Z	07Jun2023	0.55m
ALIBAG PORT	2226Z	07Jun2023	0.63m
MUMBAI	2226Z	07Jun2023	0.63m
JAMNAGAR	2232Z	07Jun2023	0.55m
HAZIRA, DIU	0534Z	08Jun2023	0.80m
INDONESIA			
NAD ACEH-JAYA	0620Z	07Jun2023	14.60m
NAD ACEH-BESAR B	0622Z	07Jun2023	16.46m
NAD SIMEULUE P.SIMEULUE	0622Z	07Jun2023	3.25m

NAD ACEH-BESAR P.PENASI	0624Z	07Jun2023	17.78m
NAD ACEH-BESAR P.BREUEH	0624Z	07Jun2023	19.18m
NAD KOTA-SABANG P.WEH	0626Z	07Jun2023	11.39m
NAD KOTA-BANDA-ACEH	0626Z	07Jun2023	10.84m
NAD ACEH-BARAT	0632Z	07Jun2023	8.93m
SUMUT NIAS B	0638Z	07Jun2023	1.57m
NAD ACEH-BESAR U	0642Z	07Jun2023	7.26m
NAD NAGAN-RAYA	0642Z	07Jun2023	3.92m
NAD ACEH-SINGKIL KEP.BANYAK	0642Z	07Jun2023	2.10m
NAD PIDIE	0646Z	07Jun2023	3.82m
GUNUNGSITOLI	0648Z	07Jun2023	1.08m
SUMUT NIAS-SELATAN P.NIAS	0648Z	07Jun2023	1.71m
NAD ACEH-BARAT-DAYA	0652Z	07Jun2023	2.65m
SUMUT NIAS-SELATAN P.TANAHMASA	0658Z	07Jun2023	1.03m
NAD ACEH-SELATAN U	0658Z	07Jun2023	1.83m
NAD BIREUEN	0700Z	07Jun2023	4.16m
SUMUT NIAS-SELATAN P.TANABALA	0702Z	07Jun2023	1.19m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0706Z	07Jun2023	1.24m
NAD KOTA-LHOKSEUMAWA	0708Z	07Jun2023	2.72m
NAD ACEH-UTARA B	0708Z	07Jun2023	4.16m
NAD ACEH-SELATAN S	0710Z	07Jun2023	1.91m
NIAS	0716Z	07Jun2023	0.71m
NAD ACEH-UTARA T	0718Z	07Jun2023	3.00m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0720Z	07Jun2023	0.70m
MUARASIBERUT	0722Z	07Jun2023	0.57m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0724Z	07Jun2023	0.86m
NAD ACEH-TIMUR	0742Z	07Jun2023	1.68m
NAD ACEH-SINGKIL	0750Z	07Jun2023	0.78m
SUMUT TAPANULI-SELATAN	0802Z	07Jun2023	1.16m
SUMUT TAPANULI-TENGAH U	0802Z	07Jun2023	1.15m
NIAS-EAST	0812Z	07Jun2023	0.97m
SUMUT MANDAILING-NATAL U	0828Z	07Jun2023	1.03m
BENGKULU BENGKULU-UTARA S	0830Z	07Jun2023	0.87m
SOUTH OF BODAHAYIONE	0830Z	07Jun2023	0.67m
SUMUT TAPANULI-TENGAH S	0840Z	07Jun2023	1.00m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0850Z	07Jun2023	0.89m
NAD KOTA-LANGSA	0902Z	07Jun2023	1.20m
NAD ACEH-TAMIANG	0926Z	07Jun2023	1.03m
JABAR SUKABUMI PELABUHAN-RATU	0958Z	07Jun2023	1.19m
SUMUT LANGKAT	1002Z	07Jun2023	1.06m
BELAWAN	1028Z	07Jun2023	1.03m
SUMUT DELISERDANG	1040Z	07Jun2023	0.84m
SUMUT SERDANG-BEDAGAI	1058Z	07Jun2023	0.84m
BENGKULU SELUMA	1108Z	07Jun2023	0.76m
NIAS-NORTH	1146Z	07Jun2023	0.69m
BENGKULU BENGKULU-UTARA P.ENGGANO	1222Z	07Jun2023	0.58m
SUMUT MANDAILING-NATAL S	1230Z	07Jun2023	0.87m
SUMBAR KOTA-PADANG U	1232Z	07Jun2023	0.65m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	1242Z	07Jun2023	0.67m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	1256Z	07Jun2023	0.56m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	1258Z	07Jun2023	0.53m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	1258Z	07Jun2023	0.86m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	1300Z	07Jun2023	0.60m
BENGKULU BENGKULU-UTARA U	1304Z	07Jun2023	0.52m
LABUHAN BATU	1328Z	07Jun2023	0.62m
BANTEN SERANG B	1342Z	07Jun2023	0.51m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	1342Z	07Jun2023	0.51m
BANTEN KOTA-CILEGON P.SANGIANG	1342Z	07Jun2023	0.51m
LAMPUNG TANGGAMUS T	1342Z	07Jun2023	0.81m
SUMUT ASAHAN	1430Z	07Jun2023	0.79m
BANTEN LEBAK	1558Z	07Jun2023	0.51m

LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	1606Z	07Jun2023	0.53m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	1606Z	07Jun2023	0.53m
LAMPUNG LAMPUNG-SELATAN B	1606Z	07Jun2023	0.53m
LAMPUNG LAMPUNG-SELATAN KALIANDA	1614Z	07Jun2023	0.57m
LAMPUNG TANGGAMUS B	1630Z	07Jun2023	0.50m
SUMBAR AGAM	1656Z	07Jun2023	0.52m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	1706Z	07Jun2023	0.52m
DUMAI	1828Z	07Jun2023	0.52m
BANTEN PANDEGLANG U	2008Z	07Jun2023	0.54m
JATENG CILACAP	2034Z	07Jun2023	0.52m

KENYA

KIWAYU	1412Z	07Jun2023	1.74m
KIPINI	1436Z	07Jun2023	1.31m
MVULENI	1436Z	07Jun2023	1.24m
MALINDI	1438Z	07Jun2023	1.84m
TAKAUNGU	1440Z	07Jun2023	1.87m
KISIMACHANDE	1444Z	07Jun2023	1.47m

MADAGASCAR

VOHEMAR	1330Z	07Jun2023	1.08m
ANOROTSANGANA	1332Z	07Jun2023	1.10m
AMBAHY	1402Z	07Jun2023	1.05m
TOAMASINA AIRPORT	1404Z	07Jun2023	0.55m
FARAFAGANA	1412Z	07Jun2023	1.64m
MANANTENINA	1414Z	07Jun2023	0.86m
TAMPOLO	1500Z	07Jun2023	1.07m
SAMPONA	1612Z	07Jun2023	1.11m
BALY	1626Z	07Jun2023	0.63m

MALAYSIA

SATUN	0944Z	07Jun2023	1.55m
YAN	0954Z	07Jun2023	0.76m
SEBERANG PERAI SELATAN	1018Z	07Jun2023	0.76m
WEST OF ALOR SETAR	1022Z	07Jun2023	1.13m
KUALA MUDA	1022Z	07Jun2023	1.13m
SEBERANG PERAI UTARA & BARAT DAYA	1028Z	07Jun2023	1.13m
KERIAN	1042Z	07Jun2023	1.02m
LARUT AND MATANG	1048Z	07Jun2023	1.05m
MANJUNG	1112Z	07Jun2023	1.02m
HILIR PERAK	1230Z	07Jun2023	0.81m
SABAK BERNAM	1310Z	07Jun2023	0.68m
KUALA SELANGOR	1336Z	07Jun2023	0.77m

MALDIVES

KOLHUFUSHI	0904Z	07Jun2023	5.82m
MALE	0904Z	07Jun2023	6.18m
DHIYAMIGILI	0906Z	07Jun2023	6.55m
THINADHOO	0906Z	07Jun2023	5.78m
KULHUDUFFUSHI	0906Z	07Jun2023	3.76m
HITHADHOO	0910Z	07Jun2023	4.46m
GOIDHOO	0920Z	07Jun2023	3.36m
NILANDHOO	0926Z	07Jun2023	9.71m
FERIDHOO	0934Z	07Jun2023	3.17m

MAURITIUS

LA FERME	1144Z	07Jun2023	1.17m
CARGADOS CARAJOS	1216Z	07Jun2023	1.60m
GRANDE REVIERE SUD EST-EAST	1232Z	07Jun2023	0.74m
AGALEGA ISLAND	1240Z	07Jun2023	0.74m
GRANDE REVIERE SUD EST-WEST	1252Z	07Jun2023	0.72m

MOZAMBIQUE

MAGANJA	1448Z	07Jun2023	1.35m
MERONVI	1456Z	07Jun2023	1.09m
QUITERAJO	1458Z	07Jun2023	0.70m
TAVARI	1502Z	07Jun2023	0.69m
PEMBA	1504Z	07Jun2023	0.71m
MURREBUE	1504Z	07Jun2023	0.84m
MECUFI	1506Z	07Jun2023	0.85m
LURIO	1508Z	07Jun2023	0.91m
NANGATA	1512Z	07Jun2023	0.73m
MINHAUINE	1514Z	07Jun2023	0.77m
LUMBO	1514Z	07Jun2023	0.52m
XAI-XAI	1752Z	07Jun2023	0.52m

MYANMAR

LITTLE COCO ISLAND	0656Z	07Jun2023	1.98m
PREPARIS ISLAND	0708Z	07Jun2023	2.00m
GREAT WESTERN TORRES ISLAND	0732Z	07Jun2023	3.25m
KYWEGYAUNG	0734Z	07Jun2023	1.45m
CHEDUBA ISLAND	0742Z	07Jun2023	2.34m
THAN KYUN	0742Z	07Jun2023	4.59m
LORD LOUGHBOROUGH ISLAND	0744Z	07Jun2023	4.55m
MAWYEN	0746Z	07Jun2023	2.56m
MAGYIGYAING	0752Z	07Jun2023	1.93m
SITTWE	0812Z	07Jun2023	1.86m
THAWINCHAUNG	0814Z	07Jun2023	1.53m
KYAUKPYU	0816Z	07Jun2023	2.11m
MALI KYUN	0844Z	07Jun2023	1.98m
PHARPON	0856Z	07Jun2023	2.85m
YE	0912Z	07Jun2023	2.23m
YANGON-S	0920Z	07Jun2023	1.23m

OMAN

HASIK	1256Z	07Jun2023	0.77m
AL JAZER	1300Z	07Jun2023	0.60m
AD DUQM	1302Z	07Jun2023	0.74m
TAQAH	1312Z	07Jun2023	1.35m
MIRBAT	1312Z	07Jun2023	0.94m
RAS AR RUWAYS	1312Z	07Jun2023	0.55m
AL ASHKHARAH	1314Z	07Jun2023	0.52m
SALALAH	1320Z	07Jun2023	1.02m
MASIRAH	1348Z	07Jun2023	0.65m

PAKISTAN

ORMARA	1340Z	07Jun2023	0.52m
SINDH	1742Z	07Jun2023	0.56m
KARACHI	2006Z	07Jun2023	0.52m

SEYCHELLES

FREGATE ISLAND	1208Z	07Jun2023	1.69m
COETIVY ISLAND	1214Z	07Jun2023	0.90m
TAKAMAKA	1228Z	07Jun2023	1.86m
ILE DESROCHES	1240Z	07Jun2023	1.14m
ALPHONSE ISLAND	1254Z	07Jun2023	0.54m
ASTOVE ISLAND	1342Z	07Jun2023	0.65m
ALDABRA	1350Z	07Jun2023	0.79m
FARQUHAR GROUP	1408Z	07Jun2023	0.86m

SOMALIA

BANDER-BEYLA	1302Z	07Jun2023	3.15m
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IOC Reference: ICG/IOTWMS/COMMS/ER/Jun23

EYL	1308Z	07Jun2023	2.89m
TOOXIN	1310Z	07Jun2023	2.39m
JARIIBAN	1314Z	07Jun2023	2.71m
GALDOGOB	1314Z	07Jun2023	2.93m
XARARDHEERE	1320Z	07Jun2023	2.62m
ITALA	1322Z	07Jun2023	2.31m
CEEL DHEER	1322Z	07Jun2023	2.41m
MAREEG	1324Z	07Jun2023	2.32m
ABO	1326Z	07Jun2023	1.42m
UARSCIECH	1330Z	07Jun2023	2.31m
MUQDISHO	1334Z	07Jun2023	2.44m
BEYNAX BARRE	1344Z	07Jun2023	2.18m
BARAAWE	1348Z	07Jun2023	2.00m
TURDHO	1356Z	07Jun2023	1.99m
JILIB	1356Z	07Jun2023	1.45m
NE BEERNAASI	1402Z	07Jun2023	1.96m
KAAMBOONI	1410Z	07Jun2023	2.25m

SOUTH AFRICA

FUNK SEAMOUNT	1748Z	07Jun2023	0.65m
MARGATE	2240Z	07Jun2023	0.56m

SRI LANKA

POTTUVIL	0736Z	07Jun2023	9.36m
BATTICALOA	0736Z	07Jun2023	10.06m
AKKARAIPATTU	0736Z	07Jun2023	9.26m
KATTANKUDI	0740Z	07Jun2023	9.22m
OKANDA	0740Z	07Jun2023	9.25m
KIRINDA	0740Z	07Jun2023	8.21m
ANAITIVU	0742Z	07Jun2023	10.44m
PANKULAM	0742Z	07Jun2023	7.87m
HAMBANTOTA	0746Z	07Jun2023	9.61m
MULLAITTIVU	0746Z	07Jun2023	6.58m
TANGALLE	0750Z	07Jun2023	7.07m
CHUNDIKKULAM	0752Z	07Jun2023	6.51m
MATARA	0754Z	07Jun2023	6.53m
GALLE	0758Z	07Jun2023	6.53m
CHAVAKACHCHERI	0800Z	07Jun2023	3.41m
AMBALANGODA	0802Z	07Jun2023	4.17m
POINT PEDRO	0806Z	07Jun2023	3.30m
BERUWALA	0812Z	07Jun2023	3.24m
COLOMBO	0818Z	07Jun2023	2.22m
MORATUWA	0820Z	07Jun2023	4.92m
NEGOMBO	0828Z	07Jun2023	3.24m
MUNDAL LAKE	0832Z	07Jun2023	1.92m
MANNAR ISLAND	0842Z	07Jun2023	1.70m
MUSALI	0854Z	07Jun2023	1.29m

TANZANIA

VUMBA	1434Z	07Jun2023	0.82m
VUMBI	1438Z	07Jun2023	0.83m
ZANZIBAR	1440Z	07Jun2023	0.88m
GAZIJA	1444Z	07Jun2023	0.71m
JIMBO	1444Z	07Jun2023	0.96m
KUTANI	1448Z	07Jun2023	1.22m
RUVU	1450Z	07Jun2023	0.80m
MADANGWA	1454Z	07Jun2023	0.83m
WEST TO KONDE	1456Z	07Jun2023	0.91m
MSASANI	1502Z	07Jun2023	0.65m
BOMALANDNI	1518Z	07Jun2023	0.55m
BAGAMOYO	1528Z	07Jun2023	0.58m

THAILAND			
THAI MUEANG	0734Z	07Jun2023	7.90m
KO RACHA NOI	0746Z	07Jun2023	4.47m
KOH SURIN TAI	0752Z	07Jun2023	5.09m
KOH LANTA YAI	0822Z	07Jun2023	2.04m
THAI MUEANG_TAKUA PA	0828Z	07Jun2023	7.13m
KOH ROK	0834Z	07Jun2023	1.28m
KOH TARUTAO	0842Z	07Jun2023	1.36m
MUEANG SATUN	0842Z	07Jun2023	1.36m

UNITED KINGDOM			
MORESBY ISLAND	0930Z	07Jun2023	5.56m
DIEGO GARCIA	0932Z	07Jun2023	3.23m
NW EGMONT ISLAND	0954Z	07Jun2023	2.17m

YEMEN			
SOCOTRA ISLAND SOUTH	1244Z	07Jun2023	3.05m
SOCOTRA ISLAND NORTH	1300Z	07Jun2023	1.26m
SOCOTRA ISLAND WEST	1316Z	07Jun2023	0.76m
DAMQAWT	1328Z	07Jun2023	1.37m
AL GHAYDAH AIRPORT	1330Z	07Jun2023	0.91m
ALQUMRAH	1458Z	07Jun2023	0.51m
HUSWAYN	1500Z	07Jun2023	0.59m
HARRAH	1510Z	07Jun2023	0.54m
MASILAH WADI	1510Z	07Jun2023	0.64m
EAST TO HAMI	1510Z	07Jun2023	0.59m
HAMI	1510Z	07Jun2023	0.52m
KHANFAR	1724Z	07Jun2023	1.17m
ADEN	1728Z	07Jun2023	0.93m
RUDUM	1758Z	07Jun2023	0.51m

4. ADVICE

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

5. UPDATES

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

Other IOTWMS-TSPs may issue additional information at:

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

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

6. CONTACT INFORMATION

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

END OF BULLETIN

 #####
 #
 # IOTWMS COMMS TEST 7 JUNE 2023 - NOT A REAL TSUNAMI EVENT
 #
 #####

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

TSP AUSTRALIA Message 3

IDY68501

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#####  
#  
# IOTWMS COMMS TEST 7 JUNE 2023 - 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 07 June 2023  
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... CONFIRMED TSUNAMI THREAT IN THE INDIAN OCEAN...

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

1. EARTHQUAKE INFORMATION

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

Magnitude: 9.0 Mwp
Depth: 10km
Date: 07 Jun 2023
Origin Time: 0600 UTC
Latitude: 7.20N
Longitude: 92.90E
Location: NICOBAR ISLANDS, INDIA REGION

2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.

Maximum wave amplitudes observed so far:

Nancowry	INDIA	8.10N	93.55E	2.20m	07 Jun 06:25 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

COCOS ISLAND	0818Z	07Jun2023	0.69m
GASCOYNE COAST	1236Z	07Jun2023	0.86m
PILBARA COAST WEST	1442Z	07Jun2023	0.73m
LEEUEWIN COAST	1510Z	07Jun2023	0.73m
AURORA BANK	1618Z	07Jun2023	1.33m
GERALDTON COAST	1702Z	07Jun2023	0.68m
HEARD ISLAND AND MCDONALD ISLANDS	1708Z	07Jun2023	2.01m
PERTH COAST	1944Z	07Jun2023	0.56m
BUNBURY GEOGRAPHE COAST	1954Z	07Jun2023	0.70m
PILBARA COAST EAST	2026Z	07Jun2023	0.60m

BANGLADESH

COXS BAZAR	0840Z	07Jun2023	2.81m
CHALNA	0846Z	07Jun2023	0.89m
KUTUBDIA ISLAND	0852Z	07Jun2023	2.80m
BARGUNA	0852Z	07Jun2023	2.80m

COMOROS

BAMBAAO	1420Z	07Jun2023	0.58m
FOMBONI	1426Z	07Jun2023	0.70m
CHEZANI	1426Z	07Jun2023	1.16m

DJIBOUTI

NW ARTA	1556Z	07Jun2023	0.71m
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FRANCE

ILE SAINT-PAUL-NORTH	1248Z	07Jun2023	0.65m
ILE SAINT-PAUL-SOUTH	1300Z	07Jun2023	1.05m
SAINT-DENIS	1304Z	07Jun2023	0.50m
ILE DE LA POSSESSION	1520Z	07Jun2023	1.09m
ILE KERGUELEN	1522Z	07Jun2023	1.04m
CROZET PLATEAU	1530Z	07Jun2023	0.88m

INDIA

LITTLE ANDAMAN	0600Z	07Jun2023	13.72m
NORTH SENTINEL ISLAND	0600Z	07Jun2023	5.42m
KOMATRA & KATCHAL ISLAND	0608Z	07Jun2023	14.39m
CAR NICOBAR	0608Z	07Jun2023	10.60m
INDIRA POINT	0610Z	07Jun2023	12.40m
PORT BLAIR	0614Z	07Jun2023	3.40m
WEST & LANDFALL ISLAND	0632Z	07Jun2023	2.66m
FLAT ISLAND	0632Z	07Jun2023	3.15m
HAVELOCK	0636Z	07Jun2023	4.07m
BARREN ISLAND	0646Z	07Jun2023	1.67m
RANGATH BAY	0650Z	07Jun2023	2.94m
DIGLIPUR	0702Z	07Jun2023	3.87m
NARCONDAM ISLAND	0706Z	07Jun2023	1.52m
MAHABALIPURAM	0800Z	07Jun2023	5.11m
MARAKKANAM	0800Z	07Jun2023	7.70m
KAKINADA	0800Z	07Jun2023	2.49m
CHENNAI	0800Z	07Jun2023	5.11m
PUDUCHERRY	0802Z	07Jun2023	4.86m
SRIHARIKOTA	0802Z	07Jun2023	9.68m
CUDDALORE	0802Z	07Jun2023	5.45m
MACHILIPATNAM	0804Z	07Jun2023	4.55m

ENNORE	0804Z	07Jun2023	7.52m
PARADIP	0806Z	07Jun2023	2.31m
VISAKHAPATNAM	0806Z	07Jun2023	2.21m
POOMBUHAR	0806Z	07Jun2023	4.18m
KALINGAPATNAM	0808Z	07Jun2023	2.41m
NAGAPATTINAM	0808Z	07Jun2023	3.59m
MALLIPATTINAM	0808Z	07Jun2023	2.53m
PERUPALEM	0808Z	07Jun2023	3.26m
KARAIKAL	0808Z	07Jun2023	3.15m
PURI	0808Z	07Jun2023	2.82m
KONADA	0810Z	07Jun2023	2.38m
NIJAMPATTANAM	0810Z	07Jun2023	2.68m
KOTTAPATNAM	0814Z	07Jun2023	3.09m
MUTHUPET	0814Z	07Jun2023	2.26m
GOPALPUR	0818Z	07Jun2023	3.28m
JAMBOO	0824Z	07Jun2023	3.00m
TUTICORIN	0842Z	07Jun2023	1.77m
KOODANKULAM	0850Z	07Jun2023	2.26m
HEMNAGAR	0850Z	07Jun2023	1.01m
RAMESWARAM	0852Z	07Jun2023	1.56m
DHAMRA	0856Z	07Jun2023	4.73m
NAMKHANA	0856Z	07Jun2023	1.48m
KOTTTAIPPATTANAM	0856Z	07Jun2023	1.45m
KANYAKUMARI	0902Z	07Jun2023	2.48m
DIGHA	0904Z	07Jun2023	3.26m
CHANDIPUR	0910Z	07Jun2023	3.18m
TRIVANDRUM	0916Z	07Jun2023	1.53m
QUILON	0918Z	07Jun2023	1.45m
MINICOY	0928Z	07Jun2023	1.49m
ALLEPPEY ALAPPUZHA	0932Z	07Jun2023	1.86m
ANDROTH	0938Z	07Jun2023	0.97m
KAVARATTI	0950Z	07Jun2023	0.95m
AMINI	0958Z	07Jun2023	0.97m
COCHIN	1000Z	07Jun2023	1.33m
VADANAPPALLY	1000Z	07Jun2023	1.04m
AGATTI	1002Z	07Jun2023	1.10m
VAKKAD	1010Z	07Jun2023	0.87m
BEYPORE	1022Z	07Jun2023	0.84m
KANNUR	1032Z	07Jun2023	1.08m
MAHE	1038Z	07Jun2023	0.99m
KASARAGOD	1040Z	07Jun2023	1.17m
MALVAN BAY	1228Z	07Jun2023	0.77m
VASCO	1234Z	07Jun2023	0.85m
PANAJI	1248Z	07Jun2023	0.91m
KARWAR	1252Z	07Jun2023	1.14m
MANGALORE	1302Z	07Jun2023	1.01m
UDUPI	1318Z	07Jun2023	1.13m
JAIGARH	1338Z	07Jun2023	0.66m
DWARKA	1836Z	07Jun2023	0.55m
ALIBAG PORT	2226Z	07Jun2023	0.63m
MUMBAI	2226Z	07Jun2023	0.63m
JAMNAGAR	2232Z	07Jun2023	0.55m
HAZIRA, DIU	0534Z	08Jun2023	0.80m
INDONESIA			
NAD ACEH-JAYA	0620Z	07Jun2023	14.60m
NAD ACEH-BESAR B	0622Z	07Jun2023	16.46m
NAD SIMEULUE P.SIMEULUE	0622Z	07Jun2023	3.25m
NAD ACEH-BESAR P.PENASI	0624Z	07Jun2023	17.78m
NAD ACEH-BESAR P.BREUEH	0624Z	07Jun2023	19.18m
NAD KOTA-SABANG P.WEH	0626Z	07Jun2023	11.39m

NAD KOTA-BANDA-ACEH	0626Z 07Jun2023	10.84m
NAD ACEH-BARAT	0632Z 07Jun2023	8.93m
SUMUT NIAS B	0638Z 07Jun2023	1.57m
NAD ACEH-BESAR U	0642Z 07Jun2023	7.26m
NAD NAGAN-RAYA	0642Z 07Jun2023	3.92m
NAD ACEH-SINGKIL KEP.BANYAK	0642Z 07Jun2023	2.10m
NAD PIDIE	0646Z 07Jun2023	3.82m
GUNUNGSITOLI	0648Z 07Jun2023	1.08m
SUMUT NIAS-SELATAN P.NIAS	0648Z 07Jun2023	1.71m
NAD ACEH-BARAT-DAYA	0652Z 07Jun2023	2.65m
SUMUT NIAS-SELATAN P.TANAHMASA	0658Z 07Jun2023	1.03m
NAD ACEH-SELATAN U	0658Z 07Jun2023	1.83m
NAD BIREUEN	0700Z 07Jun2023	4.16m
SUMUT NIAS-SELATAN P.TANABALA	0702Z 07Jun2023	1.19m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0706Z 07Jun2023	1.24m
NAD KOTA-LHOKSEUMAWÉ	0708Z 07Jun2023	2.72m
NAD ACEH-UTARA B	0708Z 07Jun2023	4.16m
NAD ACEH-SELATAN S	0710Z 07Jun2023	1.91m
NIAS	0716Z 07Jun2023	0.71m
NAD ACEH-UTARA T	0718Z 07Jun2023	3.00m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0720Z 07Jun2023	0.70m
MUARASIBERUT	0722Z 07Jun2023	0.57m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0724Z 07Jun2023	0.86m
NAD ACEH-TIMUR	0742Z 07Jun2023	1.68m
NAD ACEH-SINGKIL	0750Z 07Jun2023	0.78m
SUMUT TAPANULI-SELATAN	0802Z 07Jun2023	1.16m
SUMUT TAPANULI-TENGAH U	0802Z 07Jun2023	1.15m
NIAS-EAST	0812Z 07Jun2023	0.97m
SUMUT MANDAILING-NATAL U	0828Z 07Jun2023	1.03m
BENGKULU BENGKULU-UTARA S	0830Z 07Jun2023	0.87m
SOUTH OF BODAHAYIONE	0830Z 07Jun2023	0.67m
SUMUT TAPANULI-TENGAH S	0840Z 07Jun2023	1.00m
SUMUT TAPANULI-TENGAH KEP.MURSALA	0850Z 07Jun2023	0.89m
NAD KOTA-LANGSA	0902Z 07Jun2023	1.20m
NAD ACEH-TAMIANG	0926Z 07Jun2023	1.03m
JABAR SUKABUMI PELABUHAN-RATU	0958Z 07Jun2023	1.19m
SUMUT LANGKAT	1002Z 07Jun2023	1.06m
BELAWAN	1028Z 07Jun2023	1.03m
SUMUT DELISERDANG	1040Z 07Jun2023	0.84m
SUMUT SERDANG-BEDAGAI	1058Z 07Jun2023	0.84m
BENGKULU SELUMA	1108Z 07Jun2023	0.76m
NIAS-NORTH	1146Z 07Jun2023	0.69m
BENGKULU BENGKULU-UTARA P.ENGGANO	1222Z 07Jun2023	0.58m
SUMUT MANDAILING-NATAL S	1230Z 07Jun2023	0.87m
SUMBAR KOTA-PADANG U	1232Z 07Jun2023	0.65m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	1242Z 07Jun2023	0.67m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	1256Z 07Jun2023	0.56m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	1258Z 07Jun2023	0.53m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	1258Z 07Jun2023	0.86m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	1300Z 07Jun2023	0.60m
BENGKULU BENGKULU-UTARA U	1304Z 07Jun2023	0.52m
LABUHAN BATU	1328Z 07Jun2023	0.62m
BANTEN SERANG B	1342Z 07Jun2023	0.51m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	1342Z 07Jun2023	0.51m
BANTEN KOTA-CILEGON P.SANGIANG	1342Z 07Jun2023	0.51m
LAMPUNG TANGGAMUS T	1342Z 07Jun2023	0.81m
SUMUT ASAHAN	1430Z 07Jun2023	0.79m
BANTEN LEBAK	1558Z 07Jun2023	0.51m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	1606Z 07Jun2023	0.53m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	1606Z 07Jun2023	0.53m
LAMPUNG LAMPUNG-SELATAN B	1606Z 07Jun2023	0.53m

LAMPUNG LAMPUNG-SELATAN KALIANDA	1614Z	07Jun2023	0.57m
LAMPUNG TANGGAMUS B	1630Z	07Jun2023	0.50m
SUMBAR AGAM	1656Z	07Jun2023	0.52m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	1706Z	07Jun2023	0.52m
DUMAI	1828Z	07Jun2023	0.52m
BANTEN PANDEGLANG U	2008Z	07Jun2023	0.54m
JATENG CILACAP	2034Z	07Jun2023	0.52m

KENYA

KIWAYU	1412Z	07Jun2023	1.74m
KIPINI	1436Z	07Jun2023	1.31m
MVULENI	1436Z	07Jun2023	1.24m
MALINDI	1438Z	07Jun2023	1.84m
TAKAUNGU	1440Z	07Jun2023	1.87m
KISIMACHANDE	1444Z	07Jun2023	1.47m

MADAGASCAR

VOHEMAR	1330Z	07Jun2023	1.08m
ANOROTSANGANA	1332Z	07Jun2023	1.10m
AMBAHY	1402Z	07Jun2023	1.05m
TOAMASINA AIRPORT	1404Z	07Jun2023	0.55m
FARAFAGANA	1412Z	07Jun2023	1.64m
MANANTENINA	1414Z	07Jun2023	0.86m
TAMPOLO	1500Z	07Jun2023	1.07m
SAMPONA	1612Z	07Jun2023	1.11m
BALY	1626Z	07Jun2023	0.63m

MALAYSIA

SATUN	0944Z	07Jun2023	1.55m
YAN	0954Z	07Jun2023	0.76m
SEBERANG PERAI SELATAN	1018Z	07Jun2023	0.76m
WEST OF ALOR SETAR	1022Z	07Jun2023	1.13m
KUALA MUDA	1022Z	07Jun2023	1.13m
SEBERANG PERAI UTARA & BARAT DAYA	1028Z	07Jun2023	1.13m
KERIAN	1042Z	07Jun2023	1.02m
LARUT AND MATANG	1048Z	07Jun2023	1.05m
MANJUNG	1112Z	07Jun2023	1.02m
HILIR PERAK	1230Z	07Jun2023	0.81m
SABAK BERNAM	1310Z	07Jun2023	0.68m
KUALA SELANGOR	1336Z	07Jun2023	0.77m

MALDIVES

KOLHUFUSHI	0904Z	07Jun2023	5.82m
MALE	0904Z	07Jun2023	6.18m
DHIYAMIGILI	0906Z	07Jun2023	6.55m
THINADHOO	0906Z	07Jun2023	5.78m
KULHUDUFFUSHI	0906Z	07Jun2023	3.76m
HITHADHOO	0910Z	07Jun2023	4.46m
GOIDHOO	0920Z	07Jun2023	3.36m
NILANDHOO	0926Z	07Jun2023	9.71m
FERIDHOO	0934Z	07Jun2023	3.17m

MAURITIUS

LA FERME	1144Z	07Jun2023	1.17m
CARGADOS CARAJOS	1216Z	07Jun2023	1.60m
GRANDE REVIERE SUD EST-EAST	1232Z	07Jun2023	0.74m
AGALEGA ISLAND	1240Z	07Jun2023	0.74m
GRANDE REVIERE SUD EST-WEST	1252Z	07Jun2023	0.72m

MOZAMBIQUE

MAGANJA	1448Z	07Jun2023	1.35m
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IOC Reference: ICG/IOTWMS/COMMS/ER/Jun23

MERONVI	1456Z	07Jun2023	1.09m
QUITERAJO	1458Z	07Jun2023	0.70m
TAVARI	1502Z	07Jun2023	0.69m
PEMBA	1504Z	07Jun2023	0.71m
MURREBUE	1504Z	07Jun2023	0.84m
MECUFI	1506Z	07Jun2023	0.85m
LURIO	1508Z	07Jun2023	0.91m
NANGATA	1512Z	07Jun2023	0.73m
MINHAUINE	1514Z	07Jun2023	0.77m
LUMBO	1514Z	07Jun2023	0.52m
XAI-XAI	1752Z	07Jun2023	0.52m

MYANMAR

LITTLE COCO ISLAND	0656Z	07Jun2023	1.98m
PREPARIS ISLAND	0708Z	07Jun2023	2.00m
GREAT WESTERN TORRES ISLAND	0732Z	07Jun2023	3.25m
KYWEGYAUNG	0734Z	07Jun2023	1.45m
CHEDUBA ISLAND	0742Z	07Jun2023	2.34m
THAN KYUN	0742Z	07Jun2023	4.59m
LORD LOUGHBOROUGH ISLAND	0744Z	07Jun2023	4.55m
MAWYEN	0746Z	07Jun2023	2.56m
MAGYIGYAING	0752Z	07Jun2023	1.93m
SITTWE	0812Z	07Jun2023	1.86m
THAWINCHAUNG	0814Z	07Jun2023	1.53m
KYAUKPYU	0816Z	07Jun2023	2.11m
MALI KYUN	0844Z	07Jun2023	1.98m
PHARPON	0856Z	07Jun2023	2.85m
YE	0912Z	07Jun2023	2.23m
YANGON-S	0920Z	07Jun2023	1.23m

OMAN

HASIK	1256Z	07Jun2023	0.77m
AL JAZER	1300Z	07Jun2023	0.60m
AD DUQM	1302Z	07Jun2023	0.74m
TAQAH	1312Z	07Jun2023	1.35m
MIRBAT	1312Z	07Jun2023	0.94m
RAS AR RUWAYS	1312Z	07Jun2023	0.55m
AL ASHKHARAH	1314Z	07Jun2023	0.52m
SALALAH	1320Z	07Jun2023	1.02m
MASIRAH	1348Z	07Jun2023	0.65m

PAKISTAN

ORMARA	1340Z	07Jun2023	0.52m
SINDH	1742Z	07Jun2023	0.56m
KARACHI	2006Z	07Jun2023	0.52m

SEYCHELLES

FREGATE ISLAND	1208Z	07Jun2023	1.69m
COETIVY ISLAND	1214Z	07Jun2023	0.90m
TAKAMAKA	1228Z	07Jun2023	1.86m
ILE DESROCHES	1240Z	07Jun2023	1.14m
ALPHONSE ISLAND	1254Z	07Jun2023	0.54m
ASTOVE ISLAND	1342Z	07Jun2023	0.65m
ALDABRA	1350Z	07Jun2023	0.79m
FARQUHAR GROUP	1408Z	07Jun2023	0.86m

SOMALIA

BANDER-BEYLA	1302Z	07Jun2023	3.15m
EYL	1308Z	07Jun2023	2.89m
TOOXIN	1310Z	07Jun2023	2.39m
JARIIBAN	1314Z	07Jun2023	2.71m

GALDOGOB	1314Z	07Jun2023	2.93m
XARARDHEERE	1320Z	07Jun2023	2.62m
ITALA	1322Z	07Jun2023	2.31m
CEEL DHEER	1322Z	07Jun2023	2.41m
MAREEG	1324Z	07Jun2023	2.32m
ABO	1326Z	07Jun2023	1.42m
UARSCIECH	1330Z	07Jun2023	2.31m
MUQDISHO	1334Z	07Jun2023	2.44m
BEYNAX BARRE	1344Z	07Jun2023	2.18m
BARAAWE	1348Z	07Jun2023	2.00m
TURDHO	1356Z	07Jun2023	1.99m
JILIB	1356Z	07Jun2023	1.45m
NE BEERNAASI	1402Z	07Jun2023	1.96m
KAAMBOONI	1410Z	07Jun2023	2.25m

SOUTH AFRICA

FUNK SEAMOUNT	1748Z	07Jun2023	0.65m
MARGATE	2240Z	07Jun2023	0.56m

SRI LANKA

POTTUVIL	0736Z	07Jun2023	9.36m
BATTICALOA	0736Z	07Jun2023	10.06m
AKKARAIPATTU	0736Z	07Jun2023	9.26m
KATTANKUDI	0740Z	07Jun2023	9.22m
OKANDA	0740Z	07Jun2023	9.25m
KIRINDA	0740Z	07Jun2023	8.21m
ANAITIVU	0742Z	07Jun2023	10.44m
PANKULAM	0742Z	07Jun2023	7.87m
HAMBANTOTA	0746Z	07Jun2023	9.61m
MULLAITTIVU	0746Z	07Jun2023	6.58m
TANGALLE	0750Z	07Jun2023	7.07m
CHUNDIKKULAM	0752Z	07Jun2023	6.51m
MATARA	0754Z	07Jun2023	6.53m
GALLE	0758Z	07Jun2023	6.53m
CHAVAKACHCHERI	0800Z	07Jun2023	3.41m
AMBALANGODA	0802Z	07Jun2023	4.17m
POINT PEDRO	0806Z	07Jun2023	3.30m
BERUWALA	0812Z	07Jun2023	3.24m
COLOMBO	0818Z	07Jun2023	2.22m
MORATUWA	0820Z	07Jun2023	4.92m
NEGOMBO	0828Z	07Jun2023	3.24m
MUNDAL LAKE	0832Z	07Jun2023	1.92m
MANNAR ISLAND	0842Z	07Jun2023	1.70m
MUSALI	0854Z	07Jun2023	1.29m

TANZANIA

VUMBA	1434Z	07Jun2023	0.82m
VUMBI	1438Z	07Jun2023	0.83m
ZANZIBAR	1440Z	07Jun2023	0.88m
GAZIJA	1444Z	07Jun2023	0.71m
JIMBO	1444Z	07Jun2023	0.96m
KUTANI	1448Z	07Jun2023	1.22m
RUVU	1450Z	07Jun2023	0.80m
MADANGWA	1454Z	07Jun2023	0.83m
WEST TO KONDE	1456Z	07Jun2023	0.91m
MSASANI	1502Z	07Jun2023	0.65m
BOMALANDNI	1518Z	07Jun2023	0.55m
BAGAMOYO	1528Z	07Jun2023	0.58m

THAILAND

THAI MUEANG	0734Z	07Jun2023	7.90m
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KO RACHA NOI	0746Z	07Jun2023	4.47m
KOH SURIN TAI	0752Z	07Jun2023	5.09m
KOH LANTA YAI	0822Z	07Jun2023	2.04m
THAI MUEANG_TAKUA PA	0828Z	07Jun2023	7.13m
KOH ROK	0834Z	07Jun2023	1.28m
KOH TARUTAO	0842Z	07Jun2023	1.36m
MUEANG SATUN	0842Z	07Jun2023	1.36m

UNITED KINGDOM

MORESBY ISLAND	0930Z	07Jun2023	5.56m
DIEGO GARCIA	0932Z	07Jun2023	3.23m
NW EGMONT ISLAND	0954Z	07Jun2023	2.17m

YEMEN

SOCOTRA ISLAND SOUTH	1244Z	07Jun2023	3.05m
SOCOTRA ISLAND NORTH	1300Z	07Jun2023	1.26m
SOCOTRA ISLAND WEST	1316Z	07Jun2023	0.76m
DAMQAWT	1328Z	07Jun2023	1.37m
AL GHAYDAH AIRPORT	1330Z	07Jun2023	0.91m
ALQUMRAH	1458Z	07Jun2023	0.51m
HUSWAYN	1500Z	07Jun2023	0.59m
HARRAH	1510Z	07Jun2023	0.54m
MASILAH WADI	1510Z	07Jun2023	0.64m
EAST TO HAMI	1510Z	07Jun2023	0.59m
HAMI	1510Z	07Jun2023	0.52m
KHANFAR	1724Z	07Jun2023	1.17m
ADEN	1728Z	07Jun2023	0.93m
RUJUM	1758Z	07Jun2023	0.51m

4. ADVICE

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

5. UPDATES

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

Other IOTWMS-TSPs may issue additional information at:

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

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

6. CONTACT INFORMATION

IOTWMS-TSP AUSTRALIA

Joint Australian Tsunami Warning Centre (JATWC)

Bureau of Meteorology

GPO BOX 1289 Melbourne, Victoria, Australia, 3001

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

END OF BULLETIN

IOTWMS COMMS TEST 7 JUNE 2023 - NOT A REAL TSUNAMI EVENT

#####

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

TSP AUSTRALIA Message 4

IDY68504

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#####  
#  
# IOTWMS COMMS TEST 7 JUNE 2023 - 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 07 June 2023  
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```

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

1. EARTHQUAKE INFORMATION

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

Magnitude: 9.0 Mwp
Depth: 10km
Date: 07 Jun 2023
Origin Time: 0600 UTC
Latitude: 7.20N
Longitude: 92.90E
Location: NICOBAR ISLANDS, INDIA REGION

2. EVALUATION

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

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

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

3. TSUNAMI WAVE OBSERVATIONS

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

Nancowry	INDIA	8.10N 93.55E	2.20m	07 Jun 06:25 UTC
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4. ADVICE

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

5. UPDATES

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>

IOC Reference: ICG/IOTWMS/COMMS/ER/Jun23

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

END OF BULLETIN

IOTWMS COMMS TEST 7 JUNE 2023 - NOT A REAL TSUNAMI EVENT

#####

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

TSP INDIA Test Start Message

WEIO20 DEMS 070559

#

IOTWMS COMMS TEST 07 JUNE 2023 - NOT A REAL TSUNAMI EVENT

#####

TEST TSUNAMI STARTUP MESSAGE NOTIFICATION IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWC)
ISSUED AT 0559 UTC WEDNESDAY 07 JUNE 2023

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.

#

IOTWMS COMMS TEST 07 JUNE 2023 - NOT A REAL TSUNAMI EVENT

#####

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

TSP INDIA Message 1

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#####  
#  
# IOTWMS COMMS TEST - NOT A REAL TSUNAMI EVENT  
#  
#####
```

TSUNAMI BULLETIN NUMBER 1(TYPE-I EARTHQUAKE BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWC)
ISSUED AT 0605 UTC WEDNESDAY 07 JUNE 2023

... 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: 07 JUN 2023
Origin Time: 0600UTC
Latitude: 7.2 N
Longitude: 92.9 E
Location: NICOBAR ISLANDS, INDIA REGION

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

IOTWMS COMMS TEST - NOT A REAL TSUNAMI EVENT

#####

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

TSP INDIA Message 2

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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 0615 UTC Wednesday 07 June 2023

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

1. EARTHQUAKE INFORMATION

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

Magnitude: 9 M
Depth: 10 km
Date: 07 JUN 2023
Origin Time: 0600 UTC
Latitude: 7.2 N
Longitude: 92.9 E
Location: NICOBAR ISLANDS, INDIA REGION

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

PILBARA COAST WEST 1237z 07 Jun 2023 0.8m Threat
GASCOYNE COAST 1641z 07 Jun 2023 0.9m Threat
HEARD ISLAND AND MCDONALD ISLANDS 1646z 07 Jun 2023 1.1m Threat
PILBARA COAST EAST 1701z 07 Jun 2023 0.9m Threat
GERALDTON COAST 1717z 07 Jun 2023 1.0m Threat
BUNBURY GEOGRAPHE COAST 1718z 07 Jun 2023 0.8m Threat
NINGALOO COAST 1809z 07 Jun 2023 0.6m Threat
LEEUVIN COAST 1842z 07 Jun 2023 0.8m Threat

LANCELIN COAST	0101z	08 Jun 2023	0.6m	Threat
ALBANY COAST	0421z	08 Jun 2023	0.6m	Threat
WEST KIMBERLY COAST	0524z	08 Jun 2023	0.6m	Threat
PERTH COAST	0631z	08 Jun 2023	0.7m	Threat
BANGLADESH				

COXS BAZAR	0933z	07 Jun 2023	1.8m	Threat
KUTUBDIA ISLAND	0953z	07 Jun 2023	1.7m	Threat
BARGUNA	0959z	07 Jun 2023	2.0m	Threat
CHALNA	1141z	07 Jun 2023	1.1m	Threat
COMOROS				

CHEZANI	1642z	07 Jun 2023	0.7m	Threat
DJIBOUTI				

NW ARTA	1612z	07 Jun 2023	0.7m	Threat
MUHAMMAD ALI BIN FATHA SUMANA	0619z	08 Jun 2023	0.5m	Threat
FRANCE				

ILE KERGUELEN	1644z	07 Jun 2023	1.7m	Threat
CROZET PLATEAU	1746z	07 Jun 2023	0.6m	Threat
ILE DE LA POSSESSION	2225z	07 Jun 2023	0.7m	Threat
INDIA				

KOMATRA & KATCHAL ISLAND	0602z	07 Jun 2023	9.6m	Threat
INDIRA POINT	0602z	07 Jun 2023	12.5m	Threat
CAR NICOBAR	0604z	07 Jun 2023	6.9m	Threat
LITTLE ANDAMAN	0633z	07 Jun 2023	9.6m	Threat
PORT BLAIR	0646z	07 Jun 2023	7.2m	Threat
NORTH SENTINEL ISLAND	0649z	07 Jun 2023	3.3m	Threat
HAVELOCK	0656z	07 Jun 2023	3.5m	Threat
BARREN ISLAND	0705z	07 Jun 2023	0.7m	Threat
RANGATH BAY	0709z	07 Jun 2023	3.4m	Threat
DIGLIPUR	0715z	07 Jun 2023	2.2m	Threat
FLAT ISLAND	0722z	07 Jun 2023	2.6m	Threat
WEST & LANDFALL ISLAND	0723z	07 Jun 2023	2.1m	Threat
NARCONDAM ISLAND	0752z	07 Jun 2023	0.6m	Threat
MARAKKANAM	0817z	07 Jun 2023	5.5m	Threat
PUDUCHERRY	0819z	07 Jun 2023	7.1m	Threat
CUDDALORE	0820z	07 Jun 2023	4.7m	Threat
POOMBUHAR	0821z	07 Jun 2023	4.2m	Threat
ENNORE	0822z	07 Jun 2023	5.0m	Threat
KAKINADA	0823z	07 Jun 2023	2.9m	Threat
MAHABALIPURAM	0825z	07 Jun 2023	5.4m	Threat
MACHILIPATNAM	0825z	07 Jun 2023	3.0m	Threat
SRIHARIKOTA	0827z	07 Jun 2023	4.2m	Threat
PERUPALEM	0828z	07 Jun 2023	2.1m	Threat
CHENNAI	0829z	07 Jun 2023	5.9m	Threat
NAGAPATTINAM	0830z	07 Jun 2023	4.2m	Threat
KARAIKAL	0832z	07 Jun 2023	3.6m	Threat
NIJAMPATTANAM	0833z	07 Jun 2023	3.1m	Threat
PURI	0838z	07 Jun 2023	2.8m	Threat
MALLIPATTINAM	0838z	07 Jun 2023	3.0m	Threat
MUTHUPET	0838z	07 Jun 2023	3.1m	Threat
KOTTAPATNAM	0839z	07 Jun 2023	3.4m	Threat
VISAKHAPATNAM	0839z	07 Jun 2023	3.0m	Threat

PARADIP	0839z	07 Jun 2023	1.7m	Threat
KALINGAPATNAM	0840z	07 Jun 2023	3.4m	Threat
KONADA	0840z	07 Jun 2023	2.5m	Threat
GOPALPUR	0848z	07 Jun 2023	2.7m	Threat
JAMBOO	0856z	07 Jun 2023	1.8m	Threat
RAMESWARAM	0900z	07 Jun 2023	1.6m	Threat
TUTICORIN	0902z	07 Jun 2023	2.1m	Threat
KOTTTAIPPATTANAM	0903z	07 Jun 2023	1.5m	Threat
KOODANKULAM	0918z	07 Jun 2023	1.6m	Threat
KANYAKUMARI	0926z	07 Jun 2023	2.8m	Threat
HEMNAGAR	0929z	07 Jun 2023	1.2m	Threat
QUILON	0931z	07 Jun 2023	1.0m	Threat
DHAMRA	0934z	07 Jun 2023	1.7m	Threat
NAMKHANA	0936z	07 Jun 2023	1.3m	Threat
TRIVANDRUM	0937z	07 Jun 2023	1.8m	Threat
DIGHA	0942z	07 Jun 2023	2.0m	Threat
ALLEPPEY ALAPPUZHA	0946z	07 Jun 2023	1.4m	Threat
CHANDIPUR	0949z	07 Jun 2023	1.6m	Threat
KAVARATTI	1023z	07 Jun 2023	0.5m	Threat
AGATTI	1044z	07 Jun 2023	0.7m	Threat
VADANAPPALLY	1240z	07 Jun 2023	1.0m	Threat
COCHIN	1243z	07 Jun 2023	1.3m	Threat
MALVAN BAY	1251z	07 Jun 2023	0.7m	Threat
KARWAR	1252z	07 Jun 2023	1.1m	Threat
UDUPI	1302z	07 Jun 2023	0.9m	Threat
BEYPORE	1310z	07 Jun 2023	1.0m	Threat
KANNUR	1315z	07 Jun 2023	1.0m	Threat
MAHE	1321z	07 Jun 2023	0.9m	Threat
JAIGARH	1445z	07 Jun 2023	0.7m	Threat
KASARAGOD	1500z	07 Jun 2023	1.2m	Threat
VAKKAD	1518z	07 Jun 2023	1.0m	Threat
VASCO	1532z	07 Jun 2023	0.7m	Threat
PANAJI	1657z	07 Jun 2023	0.8m	Threat
MANGALORE	2051z	07 Jun 2023	0.9m	Threat
TARAPUR	0046z	08 Jun 2023	0.5m	Threat
HAZIRA, DIU	0203z	08 Jun 2023	0.6m	Threat
BHARUCH	0229z	08 Jun 2023	0.6m	Threat
HAZIRA	0232z	08 Jun 2023	0.6m	Threat
ALIBAG PORT	0427z	08 Jun 2023	0.5m	Threat
KHAMBAT	0525z	08 Jun 2023	0.6m	Threat
DWARKA	0533z	08 Jun 2023	0.6m	Threat

INDONESIA

NAD ACEH-JAYA	0620z	07 Jun 2023	6.1m	Threat
NAD ACEH-BESAR P.BREUEH	0621z	07 Jun 2023	7.6m	Threat
NAD KOTA-BANDA-ACEH	0623z	07 Jun 2023	9.4m	Threat
NAD ACEH-BESAR B	0623z	07 Jun 2023	10.1m	Threat
NAD KOTA-SABANG P.WEH	0627z	07 Jun 2023	3.9m	Threat
NAD ACEH-BESAR P.PENASI	0629z	07 Jun 2023	5.9m	Threat
NAD ACEH-BARAT	0638z	07 Jun 2023	3.0m	Threat
NAD SIMEULUE P.SIMEULUE	0641z	07 Jun 2023	3.4m	Threat
NAD ACEH-BESAR U	0641z	07 Jun 2023	2.0m	Threat
NAD PIDIE	0645z	07 Jun 2023	1.8m	Threat
NAD NAGAN-RAYA	0649z	07 Jun 2023	4.1m	Threat
NAD BIREUEN	0656z	07 Jun 2023	1.9m	Threat
SUMUT NIAS B	0657z	07 Jun 2023	2.1m	Threat
GUNUNGSITOLI	0657z	07 Jun 2023	2.0m	Threat
NAD ACEH-BARAT-DAYA	0700z	07 Jun 2023	3.2m	Threat
NAD ACEH-SELATAN U	0700z	07 Jun 2023	2.3m	Threat
NAD ACEH-SINGKIL KEP.BANYAK	0700z	07 Jun 2023	2.1m	Threat

NAD ACEH-UTARA B	0704z	07 Jun 2023	1.7m	Threat
NAD KOTA-LHOKSEUMAWE	0705z	07 Jun 2023	1.8m	Threat
SUMUT NIAS-SELATAN P.NIAS	0706z	07 Jun 2023	1.6m	Threat
NAD ACEH-SELATAN S	0713z	07 Jun 2023	2.5m	Threat
SUMUT NIAS-SELATAN P.TANABALA	0714z	07 Jun 2023	1.4m	Threat
NAD ACEH-UTARA T	0715z	07 Jun 2023	2.9m	Threat
SUMUT NIAS-SELATAN P.TANAHMASA	0719z	07 Jun 2023	1.4m	Threat
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0723z	07 Jun 2023	1.5m	Threat
NAD ACEH-TIMUR	0734z	07 Jun 2023	2.7m	Threat
NAD ACEH-SINGKIL	0803z	07 Jun 2023	1.6m	Threat
SUMUT TAPANULI-TENGAH U	0826z	07 Jun 2023	2.1m	Threat
MUARASIBERUT	0827z	07 Jun 2023	2.6m	Threat
NAD KOTA-LANGSA	0837z	07 Jun 2023	2.3m	Threat
SUMUT TAPANULI-SELATAN	0842z	07 Jun 2023	1.2m	Threat
NAD ACEH-TAMIANG	0858z	07 Jun 2023	1.3m	Threat
SUMUT TAPANULI-TENGAH KEP.MURSALA	0859z	07 Jun 2023	3.2m	Threat
NIAS	0938z	07 Jun 2023	1.5m	Threat
SUMUT LANGKAT	0941z	07 Jun 2023	1.2m	Threat
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0948z	07 Jun 2023	1.5m	Threat
NIAS-EAST	1005z	07 Jun 2023	1.4m	Threat
BELAWAN	1006z	07 Jun 2023	1.4m	Threat
SUMUT DELISERDANG	1014z	07 Jun 2023	1.7m	Threat
SUMUT SERDANG-BEDAGAI	1019z	07 Jun 2023	1.6m	Threat
SUMUT ASAHAN	1036z	07 Jun 2023	1.1m	Threat
LAMPUNG TANGGAMUS T	1108z	07 Jun 2023	0.9m	Threat
SUMUT TAPANULI-TENGAH S	1134z	07 Jun 2023	1.6m	Threat
JATENG CILACAP	1200z	07 Jun 2023	0.7m	Threat
BANTEN KOTA-CILEGON	1211z	07 Jun 2023	0.9m	Threat
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	1212z	07 Jun 2023	0.7m	Threat
BANTEN SERANG B	1212z	07 Jun 2023	0.6m	Threat
LAMPUNG LAMPUNG-SELATAN KALIANDA	1216z	07 Jun 2023	0.9m	Threat
BANTEN KOTA-CILEGON P.SANGIANG	1217z	07 Jun 2023	0.6m	Threat
NIAS-NORTH	1246z	07 Jun 2023	1.1m	Threat
SUMUT MANDAILING-NATAL U	1247z	07 Jun 2023	1.4m	Threat
SUMUT MANDAILING-NATAL S	1251z	07 Jun 2023	0.9m	Threat
SOUTH OF BODAHAYIONE	1302z	07 Jun 2023	1.2m	Threat
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	1307z	07 Jun 2023	1.0m	Threat
SUMBAR KOTA-PADANG U	1307z	07 Jun 2023	1.4m	Threat
BENGKULU BENGKULU-UTARA S	1315z	07 Jun 2023	1.2m	Threat
LABUHAN BATU	1347z	07 Jun 2023	1.1m	Threat
LAMPUNG TANGGAMUS B	1347z	07 Jun 2023	0.8m	Threat
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	1354z	07 Jun 2023	0.9m	Threat
BENGKULU BENGKULU-UTARA P.ENGGANO	1417z	07 Jun 2023	0.9m	Threat
ROKAN HILIR	1437z	07 Jun 2023	0.9m	Threat
BENGKULU BENGKULU-UTARA U	1438z	07 Jun 2023	1.0m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	1511z	07 Jun 2023	0.9m	Threat
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	1528z	07 Jun 2023	1.0m	Threat
SUMBAR AGAM	1532z	07 Jun 2023	1.2m	Threat
BENGKULU KAUR	1536z	07 Jun 2023	0.9m	Threat
BENGKULU SELUMA	1542z	07 Jun 2023	1.0m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	1545z	07 Jun 2023	0.7m	Threat
JABAR CIANJUR SINDANGBARANG	1548z	07 Jun 2023	0.8m	Threat
DUMAI	1550z	07 Jun 2023	0.8m	Threat
JABAR SUKABUMI UJUNG-GENTENG	1551z	07 Jun 2023	0.7m	Threat
BANTEN PANDEGLANG P.PANAITAN	1551z	07 Jun 2023	1.3m	Threat
JABAR TASIKMALAYA	1554z	07 Jun 2023	1.0m	Threat
BENGKULU MUKOMUKO	1558z	07 Jun 2023	1.0m	Threat
JABAR GARUT	1609z	07 Jun 2023	0.8m	Threat
DIY BANTUL	1642z	07 Jun 2023	0.7m	Threat
DIY GUNUNG-KIDUL	1643z	07 Jun 2023	0.8m	Threat
BANTEN PANDEGLANG U	1645z	07 Jun 2023	0.7m	Threat

BANTEN PANDEGLANG S	1654z	07 Jun 2023	0.8m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	1720z	07 Jun 2023	0.9m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	1725z	07 Jun 2023	0.8m	Threat
BENGKULU BENGKULU-SELATAN	1727z	07 Jun 2023	0.8m	Threat
LAMPUNG TANGGAMUS P.TABUAN	1740z	07 Jun 2023	0.7m	Threat
SUMBAR PESISIR-SELATAN S	1846z	07 Jun 2023	0.9m	Threat
SUMBAR KOTA-PADANG U	1908z	07 Jun 2023	0.9m	Threat
SUMBAR KOTA-PADANG S	1909z	07 Jun 2023	0.8m	Threat
SUMBAR PESISIR-SELATAN U	1911z	07 Jun 2023	0.7m	Threat
MURASAI BI	1923z	07 Jun 2023	0.7m	Threat
NTB SUMBAWA S	2000z	07 Jun 2023	0.6m	Threat
MUARASIGEP	2033z	07 Jun 2023	0.7m	Threat
SUMBAR PADANG-PARIAMAN U	2035z	07 Jun 2023	0.7m	Threat
SUMBAR PADANG-PARIAMAN S	2059z	07 Jun 2023	0.7m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	2105z	07 Jun 2023	0.6m	Threat
JATENG KEBUMEN	2115z	07 Jun 2023	0.6m	Threat
SUMBAR KOTA-PARIAMAN	2126z	07 Jun 2023	0.7m	Threat
JATIM BLITAR	2149z	07 Jun 2023	0.5m	Threat
BALI DENPASAR PANTAI-SANUR	2222z	07 Jun 2023	0.7m	Threat
NTB LOMBOK-TIMUR S	2333z	07 Jun 2023	0.6m	Threat
NTB LOMBOK-TENGAH	0003z	08 Jun 2023	0.8m	Threat
BALI KLUNGKUNG P.NUSAPENIDA	0005z	08 Jun 2023	0.7m	Threat
JATIM PACITAN	0105z	08 Jun 2023	0.7m	Threat
NTB KOTA-BIMA S	0116z	08 Jun 2023	0.5m	Threat
DIY KULON-PROGO	0137z	08 Jun 2023	0.6m	Threat
JATIM TRENGGALEK	0147z	08 Jun 2023	0.6m	Threat
JATIM JEMBER P.NUSABARUNG	0152z	08 Jun 2023	0.6m	Threat
JABAR SUKABUMI PELABUHAN-RATU	0201z	08 Jun 2023	0.5m	Threat
JATENG WONOGIRI	0202z	08 Jun 2023	0.8m	Threat
JABAR CIAMIS	0221z	08 Jun 2023	0.7m	Threat
BALI TABANAN	0227z	08 Jun 2023	0.6m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0251z	08 Jun 2023	0.6m	Threat
JATIM JEMBER	0414z	08 Jun 2023	0.6m	Threat
BANTEN LEBAK	0506z	08 Jun 2023	0.7m	Threat
JATIM MALANG	0509z	08 Jun 2023	0.5m	Threat
BALI BADUNG PANTAI-KUTA	0545z	08 Jun 2023	0.6m	Threat

IRAN

PUSHT	1817z	07 Jun 2023	0.7m	Threat
MISKI	0555z	08 Jun 2023	0.6m	Threat

KENYA

KIWAYU	1424z	07 Jun 2023	1.3m	Threat
KIPINI	1446z	07 Jun 2023	1.4m	Threat
KISIMACHANDE	1448z	07 Jun 2023	1.1m	Threat
MALINDI	1451z	07 Jun 2023	1.5m	Threat
MVULENI	1741z	07 Jun 2023	0.9m	Threat

MADAGASCAR

VOHEMAR	1357z	07 Jun 2023	1.1m	Threat
TOAMASINA AIRPORT	1427z	07 Jun 2023	1.1m	Threat
AMBAHY	1433z	07 Jun 2023	1.0m	Threat
TAMPOLO	1436z	07 Jun 2023	1.1m	Threat
MANANTENINA	1451z	07 Jun 2023	1.0m	Threat
FARAFAGANA	1648z	07 Jun 2023	0.5m	Threat
GLORIOSO ISLANDS	1711z	07 Jun 2023	0.9m	Threat
SAMPONA	1824z	07 Jun 2023	0.9m	Threat
ANOROTSANGANA	2005z	07 Jun 2023	0.7m	Threat

BALY	2254z	07 Jun 2023	0.7m	Threat
AMBANJA	0614z	08 Jun 2023	0.6m	Threat

MALAYSIA

SATUN	0921z	07 Jun 2023	1.1m	Threat
YAN	0927z	07 Jun 2023	1.3m	Threat
WEST OF ALOR SETAR	0941z	07 Jun 2023	1.5m	Threat
SEBERANG PERAI UTARA & BARAT DAYA	0956z	07 Jun 2023	1.5m	Threat
SEBERANG PERAI SELATAN	0958z	07 Jun 2023	1.3m	Threat
KUALA MUDA	1004z	07 Jun 2023	1.3m	Threat
KERIAN	1018z	07 Jun 2023	1.3m	Threat
LARUT AND MATANG	1028z	07 Jun 2023	1.4m	Threat
MANJUNG	1042z	07 Jun 2023	1.5m	Threat
HILIR PERAK	1307z	07 Jun 2023	1.1m	Threat
SABAK BERNAM	1339z	07 Jun 2023	1.0m	Threat
KUALA SELANGOR	1355z	07 Jun 2023	1.1m	Threat
KUALA LANGAT	1425z	07 Jun 2023	0.9m	Threat
PORT DICKSON	1950z	07 Jun 2023	0.7m	Threat
SEPANG	0055z	08 Jun 2023	0.6m	Threat

MALDIVES

MALE	0911z	07 Jun 2023	4.3m	Threat
KOLHUFUSHI	0913z	07 Jun 2023	3.6m	Threat
DHIYAMIGILI	0914z	07 Jun 2023	6.6m	Threat
KULHUDUFFUSHI	0917z	07 Jun 2023	4.2m	Threat
THINADHOO	0919z	07 Jun 2023	3.1m	Threat
HITHADHOO	0920z	07 Jun 2023	1.9m	Threat
GOIDHOO	0926z	07 Jun 2023	2.3m	Threat
FERIDHOO	0932z	07 Jun 2023	2.0m	Threat
NILANDHOO	0934z	07 Jun 2023	2.8m	Threat

MAURITIUS

LA FERME	1213z	07 Jun 2023	1.6m	Threat
CARGADOS CARAJOS	1306z	07 Jun 2023	1.1m	Threat
GRANDE REVIERE SUD EST-EAST	1412z	07 Jun 2023	0.7m	Threat

MOZAMBIQUE

MAGANJA	1519z	07 Jun 2023	1.3m	Threat
MERONVI	1624z	07 Jun 2023	1.3m	Threat
LUMBO	1739z	07 Jun 2023	1.0m	Threat
MOGINCUAL	1846z	07 Jun 2023	0.8m	Threat
TAVARI	1900z	07 Jun 2023	0.8m	Threat
QUITERAJO	1920z	07 Jun 2023	1.0m	Threat
MAGUEMBA	1942z	07 Jun 2023	0.8m	Threat
NANGATA	2103z	07 Jun 2023	0.7m	Threat
PEMBA	2113z	07 Jun 2023	0.8m	Threat
MOEBASE	0340z	08 Jun 2023	0.5m	Threat

MYANMAR

GREAT WESTERN TORRES ISLAND	0734z	07 Jun 2023	2.3m	Threat
LORD LOUGHBOROUGH ISLAND	0734z	07 Jun 2023	2.2m	Threat
THAN KYUN	0738z	07 Jun 2023	2.3m	Threat
LITTLE COCO ISLAND	0740z	07 Jun 2023	1.6m	Threat
PREPARIS ISLAND	0748z	07 Jun 2023	1.0m	Threat
CHEDUBA ISLAND	0832z	07 Jun 2023	1.9m	Threat
SITTWE	0859z	07 Jun 2023	1.5m	Threat

MALI KYUN	0901z	07 Jun 2023	1.7m	Threat
MAGYIGYAING	0902z	07 Jun 2023	1.7m	Threat
THAWINCHAUNG	0905z	07 Jun 2023	1.3m	Threat
KYAUKPYU	0906z	07 Jun 2023	1.9m	Threat
PHARPON	0908z	07 Jun 2023	1.7m	Threat
YE	0939z	07 Jun 2023	1.4m	Threat
YANGON-S	0942z	07 Jun 2023	1.1m	Threat
KYWEGYAUNG	1043z	07 Jun 2023	2.0m	Threat
MAWYEN	1054z	07 Jun 2023	1.9m	Threat

OMAN

MIRBAT	1432z	07 Jun 2023	0.6m	Threat
SALALAH	1438z	07 Jun 2023	1.1m	Threat
TAQAH	1459z	07 Jun 2023	0.9m	Threat
HASIK	1528z	07 Jun 2023	0.8m	Threat
AD DUQM	1751z	07 Jun 2023	0.8m	Threat
AL ASHKHARAH	1809z	07 Jun 2023	0.7m	Threat
RAS AR RUWAYS	1816z	07 Jun 2023	0.8m	Threat
EAST MUSANDAM	0529z	08 Jun 2023	0.6m	Threat
MASIRAH	0632z	08 Jun 2023	0.6m	Threat
SUR	0634z	08 Jun 2023	0.6m	Threat
MUSCAT	0654z	08 Jun 2023	0.5m	Threat

PAKISTAN

WINDER	2150z	07 Jun 2023	0.7m	Threat
ORMARA	2337z	07 Jun 2023	0.7m	Threat
SINDH	0620z	08 Jun 2023	0.7m	Threat

SEYCHELLES

FREGATE ISLAND	1225z	07 Jun 2023	1.3m	Threat
TAKAMAKA	1342z	07 Jun 2023	1.0m	Threat

SOMALIA

BANDER-BEYLA	1311z	07 Jun 2023	2.2m	Threat
TOOXIN	1318z	07 Jun 2023	2.0m	Threat
EYL	1319z	07 Jun 2023	1.8m	Threat
GALDOGOB	1321z	07 Jun 2023	2.0m	Threat
JARIIBAN	1322z	07 Jun 2023	1.6m	Threat
MAREEG	1331z	07 Jun 2023	1.9m	Threat
ITALA	1332z	07 Jun 2023	1.3m	Threat
CEEL DHEER	1332z	07 Jun 2023	2.1m	Threat
XARARDHEERE	1333z	07 Jun 2023	2.5m	Threat
UARSCIECH	1335z	07 Jun 2023	1.4m	Threat
MUQDISHO	1341z	07 Jun 2023	1.4m	Threat
ABO	1351z	07 Jun 2023	1.2m	Threat
BARAAWE	1356z	07 Jun 2023	1.0m	Threat
JILIB	1400z	07 Jun 2023	1.1m	Threat
NE BEERNAASI	1408z	07 Jun 2023	1.5m	Threat
KAAMBOONI	1415z	07 Jun 2023	1.0m	Threat
QANDALA	0157z	08 Jun 2023	0.5m	Threat

SOUTH AFRICA

MOSSEL	0005z	08 Jun 2023	0.7m	Threat
PORT ELIZABETH	0102z	08 Jun 2023	0.6m	Threat
GEORGE	0221z	08 Jun 2023	0.6m	Threat
HANKEY	0414z	08 Jun 2023	0.5m	Threat

KAYSERS BEACH	0524z	08 Jun 2023	0.6m	Threat
ALEXANDRIA	0606z	08 Jun 2023	0.5m	Threat
PORT DURNFORD	0610z	08 Jun 2023	0.6m	Threat
MANDI	0644z	08 Jun 2023	0.5m	Threat

SRI LANKA

AKKARAIPATTU	0747z	07 Jun 2023	3.5m	Threat
OKANDA	0748z	07 Jun 2023	1.8m	Threat
BATTICALOA	0748z	07 Jun 2023	5.3m	Threat
KIRINDA	0751z	07 Jun 2023	6.0m	Threat
POTTUVIL	0751z	07 Jun 2023	4.2m	Threat
ANAITIVU	0751z	07 Jun 2023	3.1m	Threat
PANKULAM	0755z	07 Jun 2023	4.3m	Threat
KATTANKUDI	0756z	07 Jun 2023	6.0m	Threat
MULLAITTIVU	0803z	07 Jun 2023	4.6m	Threat
MATARA	0803z	07 Jun 2023	2.7m	Threat
TANGALLE	0805z	07 Jun 2023	2.2m	Threat
HAMBANTOTA	0808z	07 Jun 2023	5.2m	Threat
GALLE	0813z	07 Jun 2023	3.1m	Threat
AMBALANGODA	0816z	07 Jun 2023	1.9m	Threat
CHUNDIKKULAM	0819z	07 Jun 2023	3.6m	Threat
BERUWALA	0821z	07 Jun 2023	1.6m	Threat
MORATUWA	0827z	07 Jun 2023	1.8m	Threat
CHAVAKACHCHERI	0830z	07 Jun 2023	3.6m	Threat
COLOMBO	0834z	07 Jun 2023	3.0m	Threat
POINT PEDRO	0835z	07 Jun 2023	3.2m	Threat
NEGOMBO	0836z	07 Jun 2023	1.4m	Threat
MUNDAL LAKE	0844z	07 Jun 2023	1.4m	Threat
MANNAR ISLAND	0852z	07 Jun 2023	1.6m	Threat
MUSALI	0908z	07 Jun 2023	1.3m	Threat

TANZANIA

MADANGWA	1459z	07 Jun 2023	0.9m	Threat
VUMBA	1503z	07 Jun 2023	1.0m	Threat
JIMBO	1514z	07 Jun 2023	0.9m	Threat
KUTANI	1520z	07 Jun 2023	0.8m	Threat
SONGO SONGO ISLAND	1521z	07 Jun 2023	1.0m	Threat
VUMBI	1523z	07 Jun 2023	0.6m	Threat
ZANZIBAR	1533z	07 Jun 2023	0.8m	Threat
MSASANI	1553z	07 Jun 2023	0.9m	Threat
RUVU	1619z	07 Jun 2023	1.1m	Threat
BAGAMOYO	1721z	07 Jun 2023	0.8m	Threat
WEST TO KONDE	1725z	07 Jun 2023	0.8m	Threat
BOMALANDNI	2257z	07 Jun 2023	0.6m	Threat

THAILAND

THAI MUEANG	0728z	07 Jun 2023	3.4m	Threat
KO RACHA NOI	0735z	07 Jun 2023	3.0m	Threat
KOH SURIN TAI	0739z	07 Jun 2023	2.7m	Threat
THAI MUEANG TAKUA PA	0809z	07 Jun 2023	2.9m	Threat
KOH LANTA YAI	0812z	07 Jun 2023	2.4m	Threat
KOH ROK	0817z	07 Jun 2023	1.9m	Threat
MUEANG SATUN	0823z	07 Jun 2023	1.6m	Threat
KOH TARUTAO	0911z	07 Jun 2023	2.3m	Threat

UNITED ARAB EMIRATES

KALBA	0526z	08 Jun 2023	0.7m	Threat
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UNITED KINGDOM

MORESBY ISLAND	0936z	07 Jun 2023	4.2m	Threat
DIEGO GARCIA	0943z	07 Jun 2023	1.5m	Threat
NW EGMONT ISLAND	1010z	07 Jun 2023	0.7m	Threat

YEMEN

DAMQAWT	1326z	07 Jun 2023	1.0m	Threat
AL GHAYDAH AIRPORT	1339z	07 Jun 2023	1.8m	Threat
SOCOTRA ISLAND SOUTH	1347z	07 Jun 2023	1.8m	Threat
SOCOTRA ISLAND NORTH	1447z	07 Jun 2023	1.0m	Threat
MASILAH WADI	1525z	07 Jun 2023	0.7m	Threat
HUSWAYN	1530z	07 Jun 2023	1.8m	Threat
HAMI	1533z	07 Jun 2023	0.8m	Threat
AL MUKALLA	1559z	07 Jun 2023	1.1m	Threat
KHANFAR	1647z	07 Jun 2023	0.9m	Threat
ALQUMRAH	1708z	07 Jun 2023	1.0m	Threat
HARRAH	2117z	07 Jun 2023	0.7m	Threat
EAST TO HAMI	2316z	07 Jun 2023	0.7m	Threat
MAALLAH	0101z	08 Jun 2023	1.0m	Threat
SOCOTRA ISLAND WEST	0149z	08 Jun 2023	0.7m	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)

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

TSP INDIA Message 3

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#  
# IOTWMS COMMS TEST - NOT A REAL TSUNAMI EVENT  
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TSUNAMI BULLETIN NUMBER 3(TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 0630 UTC Wednesday 07 June 2023

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

1. EARTHQUAKE INFORMATION

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

Magnitude: 9 M
Depth: 10 km
Date: 07 JUN 2023
Origin Time: 0600UTC
Latitude: 7.2 N
Longitude: 92.9 E
Location: NICOBAR ISLANDS, INDIA REGION

2. EVALUATION

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

Campbell Bay(INDIA) 7.00 N 93.93 E 0612z 07 Jun 2023 6.0m
Nancowry(INDIA) 8.05 N 93.55 E 0620z 07 Jun 2023 4.2m

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

PILBARA COAST WEST 1237z 07 Jun 2023 0.8m Threat
GASCOYNE COAST 1641z 07 Jun 2023 0.9m Threat
HEARD ISLAND AND MCDONALD ISLANDS 1646z 07 Jun 2023 1.1m Threat
PILBARA COAST EAST 1701z 07 Jun 2023 0.9m Threat
GERALDTON COAST 1717z 07 Jun 2023 1.0m Threat
BUNBURY GEOGRAPHE COAST 1718z 07 Jun 2023 0.8m Threat
NINGALOO COAST 1809z 07 Jun 2023 0.6m Threat
LEEUEWIN COAST 1842z 07 Jun 2023 0.8m Threat
LANCELIN COAST 0101z 08 Jun 2023 0.6m Threat
ALBANY COAST 0421z 08 Jun 2023 0.6m Threat
WEST KIMBERLY COAST 0524z 08 Jun 2023 0.6m Threat

PERTH COAST	0631z	08 Jun 2023	0.7m	Threat
BANGLADESH				

COXS BAZAR	0933z	07 Jun 2023	1.8m	Threat
KUTUBDIA ISLAND	0953z	07 Jun 2023	1.7m	Threat
BARGUNA	0959z	07 Jun 2023	2.0m	Threat
CHALNA	1141z	07 Jun 2023	1.1m	Threat
COMOROS				

CHEZANI	1642z	07 Jun 2023	0.7m	Threat
DJIBOUTI				

NW ARTA	1612z	07 Jun 2023	0.7m	Threat
MUHAMMAD ALI BIN FATHA SUMANA	0619z	08 Jun 2023	0.5m	Threat
FRANCE				

ILE KERGUELEN	1644z	07 Jun 2023	1.7m	Threat
CROZET PLATEAU	1746z	07 Jun 2023	0.6m	Threat
ILE DE LA POSSESSION	2225z	07 Jun 2023	0.7m	Threat
INDIA				

KOMATRA & KATCHAL ISLAND	0602z	07 Jun 2023	9.6m	Threat
INDIRA POINT	0602z	07 Jun 2023	12.5m	Threat
CAR NICOBAR	0604z	07 Jun 2023	6.9m	Threat
LITTLE ANDAMAN	0633z	07 Jun 2023	9.6m	Threat
PORT BLAIR	0646z	07 Jun 2023	7.2m	Threat
NORTH SENTINEL ISLAND	0649z	07 Jun 2023	3.3m	Threat
HAVELOCK	0656z	07 Jun 2023	3.5m	Threat
BARREN ISLAND	0705z	07 Jun 2023	0.7m	Threat
RANGATH BAY	0709z	07 Jun 2023	3.4m	Threat
DIGLIPUR	0715z	07 Jun 2023	2.2m	Threat
FLAT ISLAND	0722z	07 Jun 2023	2.6m	Threat
WEST & LANDFALL ISLAND	0723z	07 Jun 2023	2.1m	Threat
NARCONDAM ISLAND	0752z	07 Jun 2023	0.6m	Threat
MARAKKANAM	0817z	07 Jun 2023	5.5m	Threat
PUDUCHERRY	0819z	07 Jun 2023	7.1m	Threat
CUDDALORE	0820z	07 Jun 2023	4.7m	Threat
POOMBUHAR	0821z	07 Jun 2023	4.2m	Threat
ENNORE	0822z	07 Jun 2023	5.0m	Threat
KAKINADA	0823z	07 Jun 2023	2.9m	Threat
MAHABALIPURAM	0825z	07 Jun 2023	5.4m	Threat
MACHILIPATNAM	0825z	07 Jun 2023	3.0m	Threat
SRIHARIKOTA	0827z	07 Jun 2023	4.2m	Threat
PERUPALEM	0828z	07 Jun 2023	2.1m	Threat
CHENNAI	0829z	07 Jun 2023	5.9m	Threat
NAGAPATTINAM	0830z	07 Jun 2023	4.2m	Threat
KARAIKAL	0832z	07 Jun 2023	3.6m	Threat
NIJAMPATTANAM	0833z	07 Jun 2023	3.1m	Threat
PURI	0838z	07 Jun 2023	2.8m	Threat
MALLIPATTINAM	0838z	07 Jun 2023	3.0m	Threat
MUTHUPET	0838z	07 Jun 2023	3.1m	Threat
KOTTAPATNAM	0839z	07 Jun 2023	3.4m	Threat
VISAKHAPATNAM	0839z	07 Jun 2023	3.0m	Threat
PARADIP	0839z	07 Jun 2023	1.7m	Threat
KALINGAPATNAM	0840z	07 Jun 2023	3.4m	Threat
KONADA	0840z	07 Jun 2023	2.5m	Threat
GOPALPUR	0848z	07 Jun 2023	2.7m	Threat
JAMBOO	0856z	07 Jun 2023	1.8m	Threat
RAMESWARAM	0900z	07 Jun 2023	1.6m	Threat

TUTICORIN	0902z	07 Jun 2023	2.1m	Threat
KOTTTAIPPATTANAM	0903z	07 Jun 2023	1.5m	Threat
KOODANKULAM	0918z	07 Jun 2023	1.6m	Threat
KANYAKUMARI	0926z	07 Jun 2023	2.8m	Threat
HEMNAGAR	0929z	07 Jun 2023	1.2m	Threat
QUILON	0931z	07 Jun 2023	1.0m	Threat
DHAMRA	0934z	07 Jun 2023	1.7m	Threat
NAMKHANA	0936z	07 Jun 2023	1.3m	Threat
TRIVANDRUM	0937z	07 Jun 2023	1.8m	Threat
DIGHA	0942z	07 Jun 2023	2.0m	Threat
ALLEPPEY ALAPPUZHA	0946z	07 Jun 2023	1.4m	Threat
CHANDIPUR	0949z	07 Jun 2023	1.6m	Threat
KAVARATTI	1023z	07 Jun 2023	0.5m	Threat
AGATTI	1044z	07 Jun 2023	0.7m	Threat
VADANAPPALLY	1240z	07 Jun 2023	1.0m	Threat
COCHIN	1243z	07 Jun 2023	1.3m	Threat
MALVAN BAY	1251z	07 Jun 2023	0.7m	Threat
KARWAR	1252z	07 Jun 2023	1.1m	Threat
UDUPI	1302z	07 Jun 2023	0.9m	Threat
BEYPORE	1310z	07 Jun 2023	1.0m	Threat
KANNUR	1315z	07 Jun 2023	1.0m	Threat
MAHE	1321z	07 Jun 2023	0.9m	Threat
JAIGARH	1445z	07 Jun 2023	0.7m	Threat
KASARAGOD	1500z	07 Jun 2023	1.2m	Threat
VAKKAD	1518z	07 Jun 2023	1.0m	Threat
VASCO	1532z	07 Jun 2023	0.7m	Threat
PANAJI	1657z	07 Jun 2023	0.8m	Threat
MANGALORE	2051z	07 Jun 2023	0.9m	Threat
TARAPUR	0046z	08 Jun 2023	0.5m	Threat
HAZIRA, DIU	0203z	08 Jun 2023	0.6m	Threat
BHARUCH	0229z	08 Jun 2023	0.6m	Threat
HAZIRA	0232z	08 Jun 2023	0.6m	Threat
ALIBAG PORT	0427z	08 Jun 2023	0.5m	Threat
KHAMBAT	0525z	08 Jun 2023	0.6m	Threat
DWARKA	0533z	08 Jun 2023	0.6m	Threat

INDONESIA

NAD ACEH-JAYA	0620z	07 Jun 2023	6.1m	Threat
NAD ACEH-BESAR P.BREUEH	0621z	07 Jun 2023	7.6m	Threat
NAD KOTA-BANDA-ACEH	0623z	07 Jun 2023	9.4m	Threat
NAD ACEH-BESAR B	0623z	07 Jun 2023	10.1m	Threat
NAD KOTA-SABANG P.WEH	0627z	07 Jun 2023	3.9m	Threat
NAD ACEH-BESAR P.PENASI	0629z	07 Jun 2023	5.9m	Threat
NAD ACEH-BARAT	0638z	07 Jun 2023	3.0m	Threat
NAD SIMEULUE P.SIMEULUE	0641z	07 Jun 2023	3.4m	Threat
NAD ACEH-BESAR U	0641z	07 Jun 2023	2.0m	Threat
NAD PIDIE	0645z	07 Jun 2023	1.8m	Threat
NAD NAGAN-RAYA	0649z	07 Jun 2023	4.1m	Threat
NAD BIREUEN	0656z	07 Jun 2023	1.9m	Threat
SUMUT NIAS B	0657z	07 Jun 2023	2.1m	Threat
GUNUNGSITOLI	0657z	07 Jun 2023	2.0m	Threat
NAD ACEH-BARAT-DAYA	0700z	07 Jun 2023	3.2m	Threat
NAD ACEH-SELATAN U	0700z	07 Jun 2023	2.3m	Threat
NAD ACEH-SINGKIL KEP.BANYAK	0700z	07 Jun 2023	2.1m	Threat
NAD ACEH-UTARA B	0704z	07 Jun 2023	1.7m	Threat
NAD KOTA-LHOKSEUMAWA	0705z	07 Jun 2023	1.8m	Threat
SUMUT NIAS-SELATAN P.NIAS	0706z	07 Jun 2023	1.6m	Threat
NAD ACEH-SELATAN S	0713z	07 Jun 2023	2.5m	Threat
SUMUT NIAS-SELATAN P.TANABALA	0714z	07 Jun 2023	1.4m	Threat
NAD ACEH-UTARA T	0715z	07 Jun 2023	2.9m	Threat
SUMUT NIAS-SELATAN P.TANAHMASA	0719z	07 Jun 2023	1.4m	Threat
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0723z	07 Jun 2023	1.5m	Threat
NAD ACEH-TIMUR	0734z	07 Jun 2023	2.7m	Threat

NAD ACEH-SINGKIL	0803z	07 Jun 2023	1.6m	Threat
SUMUT TAPANULI-TENGAH U	0826z	07 Jun 2023	2.1m	Threat
MUARASIBERUT	0827z	07 Jun 2023	2.6m	Threat
NAD KOTA-LANGSA	0837z	07 Jun 2023	2.3m	Threat
SUMUT TAPANULI-SELATAN	0842z	07 Jun 2023	1.2m	Threat
NAD ACEH-TAMIANG	0858z	07 Jun 2023	1.3m	Threat
SUMUT TAPANULI-TENGAH KEP.MURSALA	0859z	07 Jun 2023	3.2m	Threat
NIAS	0938z	07 Jun 2023	1.5m	Threat
SUMUT LANGKAT	0941z	07 Jun 2023	1.2m	Threat
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0948z	07 Jun 2023	1.5m	Threat
NIAS-EAST	1005z	07 Jun 2023	1.4m	Threat
BELAWAN	1006z	07 Jun 2023	1.4m	Threat
SUMUT DELISERDANG	1014z	07 Jun 2023	1.7m	Threat
SUMUT SERDANG-BEDAGAI	1019z	07 Jun 2023	1.6m	Threat
SUMUT ASAHAN	1036z	07 Jun 2023	1.1m	Threat
LAMPUNG TANGGAMUS T	1108z	07 Jun 2023	0.9m	Threat
SUMUT TAPANULI-TENGAH S	1134z	07 Jun 2023	1.6m	Threat
JATENG CILACAP	1200z	07 Jun 2023	0.7m	Threat
BANTEN KOTA-CILEGON	1211z	07 Jun 2023	0.9m	Threat
LAMPUNG LAMPUNG-SELATAN BAKAUHENTI	1212z	07 Jun 2023	0.7m	Threat
BANTEN SERANG B	1212z	07 Jun 2023	0.6m	Threat
LAMPUNG LAMPUNG-SELATAN KALIANDA	1216z	07 Jun 2023	0.9m	Threat
BANTEN KOTA-CILEGON P.SANGIANG	1217z	07 Jun 2023	0.6m	Threat
NIAS-NORTH	1246z	07 Jun 2023	1.1m	Threat
SUMUT MANDAILING-NATAL U	1247z	07 Jun 2023	1.4m	Threat
SUMUT MANDAILING-NATAL S	1251z	07 Jun 2023	0.9m	Threat
SOUTH OF BODAHAYIONE	1302z	07 Jun 2023	1.2m	Threat
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	1307z	07 Jun 2023	1.0m	Threat
SUMBAR KOTA-PADANG U	1307z	07 Jun 2023	1.4m	Threat
BENGKULU BENGKULU-UTARA S	1315z	07 Jun 2023	1.2m	Threat
LABUHAN BATU	1347z	07 Jun 2023	1.1m	Threat
LAMPUNG TANGGAMUS B	1347z	07 Jun 2023	0.8m	Threat
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	1354z	07 Jun 2023	0.9m	Threat
BENGKULU BENGKULU-UTARA P.ENGGANO	1417z	07 Jun 2023	0.9m	Threat
ROKAN HILIR	1437z	07 Jun 2023	0.9m	Threat
BENGKULU BENGKULU-UTARA U	1438z	07 Jun 2023	1.0m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	1511z	07 Jun 2023	0.9m	Threat
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	1528z	07 Jun 2023	1.0m	Threat
SUMBAR AGAM	1532z	07 Jun 2023	1.2m	Threat
BENGKULU KAUR	1536z	07 Jun 2023	0.9m	Threat
BENGKULU SELUMA	1542z	07 Jun 2023	1.0m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	1545z	07 Jun 2023	0.7m	Threat
JABAR CIANJUR SINDANGBARANG	1548z	07 Jun 2023	0.8m	Threat
DUMAI	1550z	07 Jun 2023	0.8m	Threat
JABAR SUKABUMI UJUNG-GENTENG	1551z	07 Jun 2023	0.7m	Threat
BANTEN PANDEGLANG P.PANAITAN	1551z	07 Jun 2023	1.3m	Threat
JABAR TASIKMALAYA	1554z	07 Jun 2023	1.0m	Threat
BENGKULU MUKOMUKO	1558z	07 Jun 2023	1.0m	Threat
JABAR GARUT	1609z	07 Jun 2023	0.8m	Threat
DIY BANTUL	1642z	07 Jun 2023	0.7m	Threat
DIY GUNUNG-KIDUL	1643z	07 Jun 2023	0.8m	Threat
BANTEN PANDEGLANG U	1645z	07 Jun 2023	0.7m	Threat
BANTEN PANDEGLANG S	1654z	07 Jun 2023	0.8m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	1720z	07 Jun 2023	0.9m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	1725z	07 Jun 2023	0.8m	Threat
BENGKULU BENGKULU-SELATAN	1727z	07 Jun 2023	0.8m	Threat
LAMPUNG TANGGAMUS P.TABUAN	1740z	07 Jun 2023	0.7m	Threat
SUMBAR PESISIR-SELATAN S	1846z	07 Jun 2023	0.9m	Threat
SUMBAR KOTA-PADANG U	1908z	07 Jun 2023	0.9m	Threat
SUMBAR KOTA-PADANG S	1909z	07 Jun 2023	0.8m	Threat
SUMBAR PESISIR-SELATAN U	1911z	07 Jun 2023	0.7m	Threat
MURASAI BI	1923z	07 Jun 2023	0.7m	Threat
NTB SUMBAWA S	2000z	07 Jun 2023	0.6m	Threat
MUARASIGEP	2033z	07 Jun 2023	0.7m	Threat

SUMBAR PADANG-PARIAMAN U	2035z	07 Jun 2023	0.7m	Threat
SUMBAR PADANG-PARIAMAN S	2059z	07 Jun 2023	0.7m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	2105z	07 Jun 2023	0.6m	Threat
JATENG KEBUMEN	2115z	07 Jun 2023	0.6m	Threat
SUMBAR KOTA-PARIAMAN	2126z	07 Jun 2023	0.7m	Threat
JATIM BLITAR	2149z	07 Jun 2023	0.5m	Threat
BALI DENPASAR PANTAI-SANUR	2222z	07 Jun 2023	0.7m	Threat
NTB LOMBOK-TIMUR S	2333z	07 Jun 2023	0.6m	Threat
NTB LOMBOK-TENGAH	0003z	08 Jun 2023	0.8m	Threat
BALI KLUNGKUNG P.NUSAPENIDA	0005z	08 Jun 2023	0.7m	Threat
JATIM PACITAN	0105z	08 Jun 2023	0.7m	Threat
NTB KOTA-BIMA S	0116z	08 Jun 2023	0.5m	Threat
DIY KULON-PROGO	0137z	08 Jun 2023	0.6m	Threat
JATIM TRENGGALEK	0147z	08 Jun 2023	0.6m	Threat
JATIM JEMBER P.NUSABARUNG	0152z	08 Jun 2023	0.6m	Threat
JABAR SUKABUMI PELABUHAN-RATU	0201z	08 Jun 2023	0.5m	Threat
JATENG WONOGIRI	0202z	08 Jun 2023	0.8m	Threat
JABAR CIAMIS	0221z	08 Jun 2023	0.7m	Threat
BALI TABANAN	0227z	08 Jun 2023	0.6m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0251z	08 Jun 2023	0.6m	Threat
JATIM JEMBER	0414z	08 Jun 2023	0.6m	Threat
BANTEN LEBAK	0506z	08 Jun 2023	0.7m	Threat
JATIM MALANG	0509z	08 Jun 2023	0.5m	Threat
BALI BADUNG PANTAI-KUTA	0545z	08 Jun 2023	0.6m	Threat

IRAN

PUSHT	1817z	07 Jun 2023	0.7m	Threat
MISKI	0555z	08 Jun 2023	0.6m	Threat

KENYA

KIWAYU	1424z	07 Jun 2023	1.3m	Threat
KIPINI	1446z	07 Jun 2023	1.4m	Threat
KISIMACHANDE	1448z	07 Jun 2023	1.1m	Threat
MALINDI	1451z	07 Jun 2023	1.5m	Threat
MVULENI	1741z	07 Jun 2023	0.9m	Threat

MADAGASCAR

VOHEMAR	1357z	07 Jun 2023	1.1m	Threat
TOAMASINA AIRPORT	1427z	07 Jun 2023	1.1m	Threat
AMBAHY	1433z	07 Jun 2023	1.0m	Threat
TAMPOLO	1436z	07 Jun 2023	1.1m	Threat
MANANTENINA	1451z	07 Jun 2023	1.0m	Threat
FARAFAGANA	1648z	07 Jun 2023	0.5m	Threat
GLORIOSO ISLANDS	1711z	07 Jun 2023	0.9m	Threat
SAMPONA	1824z	07 Jun 2023	0.9m	Threat
ANOROTSANGANA	2005z	07 Jun 2023	0.7m	Threat
BALY	2254z	07 Jun 2023	0.7m	Threat
AMBANJA	0614z	08 Jun 2023	0.6m	Threat

MALAYSIA

SATUN	0921z	07 Jun 2023	1.1m	Threat
YAN	0927z	07 Jun 2023	1.3m	Threat
WEST OF ALOR SETAR	0941z	07 Jun 2023	1.5m	Threat
SEBERANG PERAI UTARA & BARAT DAYA	0956z	07 Jun 2023	1.5m	Threat
SEBERANG PERAI SELATAN	0958z	07 Jun 2023	1.3m	Threat
KUALA MUDA	1004z	07 Jun 2023	1.3m	Threat
KERIAN	1018z	07 Jun 2023	1.3m	Threat
LARUT AND MATANG	1028z	07 Jun 2023	1.4m	Threat
MANJUNG	1042z	07 Jun 2023	1.5m	Threat
HILIR PERAK	1307z	07 Jun 2023	1.1m	Threat

SABAK BERNAM	1339z	07 Jun 2023	1.0m	Threat
KUALA SELANGOR	1355z	07 Jun 2023	1.1m	Threat
KUALA LANGAT	1425z	07 Jun 2023	0.9m	Threat
PORT DICKSON	1950z	07 Jun 2023	0.7m	Threat
SEPANG	0055z	08 Jun 2023	0.6m	Threat

MALDIVES

MALE	0911z	07 Jun 2023	4.3m	Threat
KOLHUFUSHI	0913z	07 Jun 2023	3.6m	Threat
DHIYAMIGILI	0914z	07 Jun 2023	6.6m	Threat
KULHUDUFFUSHI	0917z	07 Jun 2023	4.2m	Threat
THINADHOO	0919z	07 Jun 2023	3.1m	Threat
HITHADHOO	0920z	07 Jun 2023	1.9m	Threat
GOIDHOO	0926z	07 Jun 2023	2.3m	Threat
FERIDHOO	0932z	07 Jun 2023	2.0m	Threat
NILANDHOO	0934z	07 Jun 2023	2.8m	Threat

MAURITIUS

LA FERME	1213z	07 Jun 2023	1.6m	Threat
CARGADOS CARAJOS	1306z	07 Jun 2023	1.1m	Threat
GRANDE REVIERE SUD EST-EAST	1412z	07 Jun 2023	0.7m	Threat

MOZAMBIQUE

MAGANJA	1519z	07 Jun 2023	1.3m	Threat
MERONVI	1624z	07 Jun 2023	1.3m	Threat
LUMBO	1739z	07 Jun 2023	1.0m	Threat
MOGINCUAL	1846z	07 Jun 2023	0.8m	Threat
TAVARI	1900z	07 Jun 2023	0.8m	Threat
QUITERAJO	1920z	07 Jun 2023	1.0m	Threat
MAGUEMBA	1942z	07 Jun 2023	0.8m	Threat
NANGATA	2103z	07 Jun 2023	0.7m	Threat
PEMBA	2113z	07 Jun 2023	0.8m	Threat
MOEBASE	0340z	08 Jun 2023	0.5m	Threat

MYANMAR

GREAT WESTERN TORRES ISLAND	0734z	07 Jun 2023	2.3m	Threat
LORD LOUGHBOROUGH ISLAND	0734z	07 Jun 2023	2.2m	Threat
THAN KYUN	0738z	07 Jun 2023	2.3m	Threat
LITTLE COCO ISLAND	0740z	07 Jun 2023	1.6m	Threat
PREPARIS ISLAND	0748z	07 Jun 2023	1.0m	Threat
CHEDUBA ISLAND	0832z	07 Jun 2023	1.9m	Threat
SITTWE	0859z	07 Jun 2023	1.5m	Threat
MALI KYUN	0901z	07 Jun 2023	1.7m	Threat
MAGYIGYAING	0902z	07 Jun 2023	1.7m	Threat
THAWINCHAUNG	0905z	07 Jun 2023	1.3m	Threat
KYAUKPYU	0906z	07 Jun 2023	1.9m	Threat
PHARPON	0908z	07 Jun 2023	1.7m	Threat
YE	0939z	07 Jun 2023	1.4m	Threat
YANGON-S	0942z	07 Jun 2023	1.1m	Threat
KYWEGYAUNG	1043z	07 Jun 2023	2.0m	Threat
MAWYEN	1054z	07 Jun 2023	1.9m	Threat

OMAN

MIRBAT	1432z	07 Jun 2023	0.6m	Threat
SALALAH	1438z	07 Jun 2023	1.1m	Threat
TAQAH	1459z	07 Jun 2023	0.9m	Threat
HASIK	1528z	07 Jun 2023	0.8m	Threat
AD DUQM	1751z	07 Jun 2023	0.8m	Threat
AL ASHKHARAH	1809z	07 Jun 2023	0.7m	Threat

RAS AR RUWAYS	1816z	07 Jun 2023	0.8m	Threat
EAST MUSANDAM	0529z	08 Jun 2023	0.6m	Threat
MASIRAH	0632z	08 Jun 2023	0.6m	Threat
SUR	0634z	08 Jun 2023	0.6m	Threat
MUSCAT	0654z	08 Jun 2023	0.5m	Threat

PAKISTAN

WINDER	2150z	07 Jun 2023	0.7m	Threat
ORMARA	2337z	07 Jun 2023	0.7m	Threat
SINDH	0620z	08 Jun 2023	0.7m	Threat

SEYCHELLES

FREGATE ISLAND	1225z	07 Jun 2023	1.3m	Threat
TAKAMAKA	1342z	07 Jun 2023	1.0m	Threat

SOMALIA

BANDER-BEYLA	1311z	07 Jun 2023	2.2m	Threat
TOOXIN	1318z	07 Jun 2023	2.0m	Threat
EYL	1319z	07 Jun 2023	1.8m	Threat
GALDOGOB	1321z	07 Jun 2023	2.0m	Threat
JARIIBAN	1322z	07 Jun 2023	1.6m	Threat
MAREEG	1331z	07 Jun 2023	1.9m	Threat
ITALA	1332z	07 Jun 2023	1.3m	Threat
CEEL DHEER	1332z	07 Jun 2023	2.1m	Threat
XARARDHEERE	1333z	07 Jun 2023	2.5m	Threat
UARSCIECH	1335z	07 Jun 2023	1.4m	Threat
MUQDISHO	1341z	07 Jun 2023	1.4m	Threat
ABO	1351z	07 Jun 2023	1.2m	Threat
BARAAWE	1356z	07 Jun 2023	1.0m	Threat
JILIB	1400z	07 Jun 2023	1.1m	Threat
NE BEERNAASI	1408z	07 Jun 2023	1.5m	Threat
KAAMBOONI	1415z	07 Jun 2023	1.0m	Threat
QANDALA	0157z	08 Jun 2023	0.5m	Threat

SOUTH AFRICA

MOSSEL	0005z	08 Jun 2023	0.7m	Threat
PORT ELIZABETH	0102z	08 Jun 2023	0.6m	Threat
GEORGE	0221z	08 Jun 2023	0.6m	Threat
HANKEY	0414z	08 Jun 2023	0.5m	Threat
KAYSERS BEACH	0524z	08 Jun 2023	0.6m	Threat
ALEXANDRIA	0606z	08 Jun 2023	0.5m	Threat
PORT DURNFORD	0610z	08 Jun 2023	0.6m	Threat
MANDI	0644z	08 Jun 2023	0.5m	Threat

SRI LANKA

AKKARAIATTU	0747z	07 Jun 2023	3.5m	Threat
OKANDA	0748z	07 Jun 2023	1.8m	Threat
BATTICALOA	0748z	07 Jun 2023	5.3m	Threat
KIRINDA	0751z	07 Jun 2023	6.0m	Threat
POTTUVIL	0751z	07 Jun 2023	4.2m	Threat
ANAITIVU	0751z	07 Jun 2023	3.1m	Threat
PANKULAM	0755z	07 Jun 2023	4.3m	Threat
KATTANKUDI	0756z	07 Jun 2023	6.0m	Threat
MULLAITTIVU	0803z	07 Jun 2023	4.6m	Threat
MATARA	0803z	07 Jun 2023	2.7m	Threat
TANGALLE	0805z	07 Jun 2023	2.2m	Threat
HAMBANTOTA	0808z	07 Jun 2023	5.2m	Threat
GALLE	0813z	07 Jun 2023	3.1m	Threat
AMBALANGODA	0816z	07 Jun 2023	1.9m	Threat

CHUNDIKKULAM	0819z	07 Jun 2023	3.6m	Threat
BERUWALA	0821z	07 Jun 2023	1.6m	Threat
MORATUWA	0827z	07 Jun 2023	1.8m	Threat
CHAVAKACHCHERI	0830z	07 Jun 2023	3.6m	Threat
COLOMBO	0834z	07 Jun 2023	3.0m	Threat
POINT PEDRO	0835z	07 Jun 2023	3.2m	Threat
NEGOMBO	0836z	07 Jun 2023	1.4m	Threat
MUNDAL LAKE	0844z	07 Jun 2023	1.4m	Threat
MANNAR ISLAND	0852z	07 Jun 2023	1.6m	Threat
MUSALI	0908z	07 Jun 2023	1.3m	Threat

TANZANIA

MADANGWA	1459z	07 Jun 2023	0.9m	Threat
VUMBA	1503z	07 Jun 2023	1.0m	Threat
JIMBO	1514z	07 Jun 2023	0.9m	Threat
KUTANI	1520z	07 Jun 2023	0.8m	Threat
SONGO SONGO ISLAND	1521z	07 Jun 2023	1.0m	Threat
VUMBI	1523z	07 Jun 2023	0.6m	Threat
ZANZIBAR	1533z	07 Jun 2023	0.8m	Threat
MSASANI	1553z	07 Jun 2023	0.9m	Threat
RUVU	1619z	07 Jun 2023	1.1m	Threat
BAGAMOYO	1721z	07 Jun 2023	0.8m	Threat
WEST TO KONDE	1725z	07 Jun 2023	0.8m	Threat
BOMALANDNI	2257z	07 Jun 2023	0.6m	Threat

THAILAND

THAI MUEANG	0728z	07 Jun 2023	3.4m	Threat
KO RACHA NOI	0735z	07 Jun 2023	3.0m	Threat
KOH SURIN TAI	0739z	07 Jun 2023	2.7m	Threat
THAI MUEANG_TAKUA PA	0809z	07 Jun 2023	2.9m	Threat
KOH LANTA YAI	0812z	07 Jun 2023	2.4m	Threat
KOH ROK	0817z	07 Jun 2023	1.9m	Threat
MUEANG SATUN	0823z	07 Jun 2023	1.6m	Threat
KOH TARUTAO	0911z	07 Jun 2023	2.3m	Threat

UNITED ARAB EMIRATES

KALBA	0526z	08 Jun 2023	0.7m	Threat
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UNITED KINGDOM

MORESBY ISLAND	0936z	07 Jun 2023	4.2m	Threat
DIEGO GARCIA	0943z	07 Jun 2023	1.5m	Threat
NW EGMONT ISLAND	1010z	07 Jun 2023	0.7m	Threat

YEMEN

DAMQAWT	1326z	07 Jun 2023	1.0m	Threat
AL GHAYDAH AIRPORT	1339z	07 Jun 2023	1.8m	Threat
SOCOTRA ISLAND SOUTH	1347z	07 Jun 2023	1.8m	Threat
SOCOTRA ISLAND NORTH	1447z	07 Jun 2023	1.0m	Threat
MASILAH WADI	1525z	07 Jun 2023	0.7m	Threat
HUSWAYN	1530z	07 Jun 2023	1.8m	Threat
HAMI	1533z	07 Jun 2023	0.8m	Threat
AL MUKALLA	1559z	07 Jun 2023	1.1m	Threat
KHANFAR	1647z	07 Jun 2023	0.9m	Threat
ALQUMRAH	1708z	07 Jun 2023	1.0m	Threat
HARRAH	2117z	07 Jun 2023	0.7m	Threat
EAST TO HAMI	2316z	07 Jun 2023	0.7m	Threat
MAALLAH	0101z	08 Jun 2023	1.0m	Threat
SOCOTRA ISLAND WEST	0149z	08 Jun 2023	0.7m	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

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#####  
#  
# IOTWMS COMMS TEST- NOT A REAL TSUNAMI EVENT  
#  
#####
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TSUNAMI BULLETIN NUMBER 4(TYPE-IV FINAL BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 0644 UTC Wednesday 07 June 2023

... FINAL TSUNAMI BULLETIN ...

This bulletin applies to areas within and bordering the Indian Ocean.

It is issued in support of the UNESCO/IOC Indian Ocean Tsunami Warning and Mitigation System (IOTWMS).

1. EARTHQUAKE INFORMATION

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

Magnitude: 9 M
Depth: 10 km
Date: 07 JUN 2023
Origin Time: 0600
Latitude: 7.2 N
Longitude: 92.9 E
Location: NICOBAR ISLANDS, INDIA REGION

2. EVALUATION

Data from sea-level gauges confirmed that a minor tsunami was generated. The expected period of significant tsunami waves is now over for all threatened. 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.

Campbell Bay(INDIA)	7.00 N	93.93 E	0612z	07 Jun 2023	6.0m
Nancowry(INDIA)	8.05 N	93.55 E	0620z	07 Jun 2023	4.2m
Portblair(INDIA)	11.6 N	92.77 E	0632z	07 Jun 2023	3.0m
Sabang(INDONESIA)	5.83 N	95.33 E	0640z	07 Jun 2023	2.4m

4. ADVICE

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

4. UPDATE

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

6. OTHER INDIAN OCEAN TSUNAMI SERVICE PROVIDERS:

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

7. CONTACT INFORMATION

IOTWMS-TSP INDIA:

INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)

Indian National Centre for Ocean Information Services (INCOIS)

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

Hyderabad - 500 090, India

Phone: 91-40-23895011

Fax: 91-40-23895012

Email: tsunami@incois.gov.in

Web: www.incois.gov.in

END OF BULLETIN

IOTWMS COMMS TEST - NOT A REAL TSUNAMI EVENT

#####

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

TSP INDONESIA Test Start Message

TEST INDIAN OCEAN TSUNAMI
WARNING AND MITIGATION SYSTEM (IOTWMS) COMMUNICATION TEST
0600 UTC 07 JUNE 2023
TSP INDONESIA (InaTEWS)

TO: NATIONAL TSUNAMI WARNING CENTRES IN THE INDIAN OCEAN

A COMMUNICATION TEST OF THE IOTWMS IS ABOUT TO COMMENCE.
PARTICIPATING NATIONAL TSUNAMI WARNING CENTRES SHOULD REFER TO THE "IOTWMS COMMUNICATION
TEST 07 JUNE 2023 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 TEST

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

TSP INDONESIA Message 1

TEST TEST TEST TEST TEST CommTEST-Jun-2023 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Jun-2023 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20230607-0605-001

TSUNAMI BULLETIN NUMBER 1 (TYPE-I EARTHQUAKE BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0605 UTC, Jun 07, 2023

... 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 : 07 Jun 2023
Origin Time: 06:00:00 UTC
Latitude : 7.20N
Longitude : 92.90E
Location : Nicobar Islands, India Region

2. EVALUATION

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

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

3. ADVICE

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

4. OTHER INDIAN OCEAN TSUNAMI SERVICE PROVIDERS:

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

5. CONTACT INFORMATION

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

END OF BULLETIN

TEST TEST TEST TEST TEST CommTEST-Jun-2023 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Jun-2023 TEST TEST TEST TEST TEST TEST TEST

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

TSP INDONESIA Message 2

TEST TEST TEST TEST TEST CommTEST-Jun-2023 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Jun-2023 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20230607-0615-002

TSUNAMI BULLETIN NUMBER 2 (TYPE-II THREAT ASSESSMENT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0615 UTC, Jun 07, 2023

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

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

1. EARTHQUAKE INFORMATION (updated)

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

Magnitude : 9.0 Mwp (REVISED)
Depth : 10km
Date : 07 Jun 2023
Origin Time: 06:00:00 UTC
Latitude : 7.20N
Longitude : 92.90E
Location : Nicobar Islands, India Region

2. EVALUATION

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

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

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

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

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

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

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

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. As local conditions can cause a wide variation in tsunami wave action, CANCELLATION of national warnings and ALL CLEAR determination must be made by national/state/local authorities.

AUSTRALIA

COCOS ISLAND	08:28z	07Jun2023	1.32m
CHRISTMAS ISLAND	11:59z	07Jun2023	1.15m
GASCOYNE COAST	12:06z	07Jun2023	1.18m
LEEUVIN COAST	13:36z	07Jun2023	0.88m
PILBARA COAST WEST	13:49z	07Jun2023	0.85m
NINGALOO COAST	14:01z	07Jun2023	0.71m
GERALDTON COAST	14:14z	07Jun2023	0.63m
PILBARA COAST EAST	15:20z	07Jun2023	0.51m
BUNBURY GEOGRAPHE COAST	16:12z	07Jun2023	0.62m
LANCELIN COAST	16:14z	07Jun2023	0.74m
HEARD ISLAND AND MCDONALD ISLANDS	16:21z	07Jun2023	1.62m
AURORA BANK	17:02z	07Jun2023	0.93m

BANGLADESH

COXS BAZAR	08:57z	07Jun2023	1.67m
KUTUBDIA ISLAND	09:07z	07Jun2023	1.62m
BARGUNA	09:36z	07Jun2023	1.88m
CHALNA	10:02z	07Jun2023	1.49m

COMOROS

BAMBAO	14:19z	07Jun2023	0.66m
CHEZANI	14:24z	07Jun2023	0.86m
FOMBONI	14:31z	07Jun2023	1.17m
DZAOUDZI	15:33z	07Jun2023	0.79m

FRANCE

SAINT-DENIS	13:30z	07Jun2023	0.65m
ILE SAINT-PAUL-NORTH	13:32z	07Jun2023	1.04m
ILE SAINT-PAUL-SOUTH	13:45z	07Jun2023	0.98m
ILE DE LA POSSESSION	15:22z	07Jun2023	1.12m
NES CROZET	15:29z	07Jun2023	0.93m
CROZET PLATEAU	15:49z	07Jun2023	0.76m
ILE KERGUELEN	15:58z	07Jun2023	0.65m

INDIA

CAR NICOBAR	06:03z	07Jun2023	12.84m
KOMATRA AND KATCHAL ISLAND	06:04z	07Jun2023	15.19m
INDIRA POINT	06:08z	07Jun2023	12.76m
LITTLE ANDAMAN	06:11z	07Jun2023	6.84m
NORTH SENTINEL ISLAND	06:26z	07Jun2023	4.44m
PORT BLAIR	06:33z	07Jun2023	3.73m
HAVELOCK	06:49z	07Jun2023	4.06m
WEST AND LANDFALL ISLAND	06:55z	07Jun2023	2.69m
BARREN ISLAND	06:55z	07Jun2023	2.28m
FLAT ISLAND	06:56z	07Jun2023	3.70m
RANGATH BAY	07:00z	07Jun2023	3.89m
DIGLIPUR	07:11z	07Jun2023	2.95m
NARCONDAM ISLAND	07:43z	07Jun2023	1.74m
MARAKKANAM	08:04z	07Jun2023	3.61m

CUDDALORE	08:06z	07Jun2023	3.99m
PUDUCHERRY	08:07z	07Jun2023	3.86m
ENNORE	08:09z	07Jun2023	4.00m
KAKINADA	08:10z	07Jun2023	3.70m
SRIHARIKOTA	08:10z	07Jun2023	3.23m
MACHILIPATNAM	08:11z	07Jun2023	3.14m
MAHABALIPURAM	08:11z	07Jun2023	5.23m
POOMBUHAR	08:12z	07Jun2023	3.98m
NAGAPATTINAM	08:12z	07Jun2023	3.99m
PERUPALEM	08:14z	07Jun2023	3.29m
NIJAMPATTANAM	08:14z	07Jun2023	4.44m
CHENNAI	08:14z	07Jun2023	4.18m
KARAIKAL	08:16z	07Jun2023	3.84m
PURI	08:17z	07Jun2023	2.70m
KOTTAPATNAM	08:17z	07Jun2023	3.62m
MALLIPATTINAM	08:17z	07Jun2023	4.89m
MUTHUPET	08:18z	07Jun2023	4.21m
PARADIP	08:19z	07Jun2023	2.66m
KALINGAPATNAM	08:19z	07Jun2023	3.41m
KONADA	08:20z	07Jun2023	2.73m
VISAKHAPATNAM	08:21z	07Jun2023	3.19m
GOPALPUR	08:27z	07Jun2023	3.80m
JAMBOO	08:32z	07Jun2023	2.05m
TUTICORIN	08:45z	07Jun2023	2.20m
RAMESWARAM	08:54z	07Jun2023	2.19m
KOTTTAIPPATTANAM	08:54z	07Jun2023	2.78m
DHAMRA	08:55z	07Jun2023	1.68m
HEMNAGAR	09:03z	07Jun2023	1.68m
KOODANKULAM	09:05z	07Jun2023	3.06m
NAMKHANA	09:10z	07Jun2023	1.90m
CHANDIPUR	09:12z	07Jun2023	1.96m
DIGHA	09:14z	07Jun2023	1.64m
KANYAKUMARI	09:16z	07Jun2023	4.05m
TRIVANDRUM	09:20z	07Jun2023	2.63m
QUILON	09:20z	07Jun2023	2.48m
ALLEPPEY ALAPPUZHA	09:28z	07Jun2023	1.96m
MINICOY	09:28z	07Jun2023	1.60m
ANDROTH	09:39z	07Jun2023	1.12m
KAVARATTI	09:51z	07Jun2023	1.23m
AMINI	09:58z	07Jun2023	1.12m
VADANAPPALLY	10:01z	07Jun2023	1.40m
AGATTI	10:02z	07Jun2023	1.31m
COCHIN	10:04z	07Jun2023	2.03m
VAKKAD	10:08z	07Jun2023	1.42m
BEYPORE	10:21z	07Jun2023	1.31m
KANNUR	10:31z	07Jun2023	1.34m
MAHE	10:32z	07Jun2023	0.89m
KASARAGOD	10:35z	07Jun2023	1.25m
KARWAR	11:26z	07Jun2023	0.99m
MALVAN BAY	11:52z	07Jun2023	0.65m
VASCO	11:57z	07Jun2023	0.78m
PANAJI	11:58z	07Jun2023	0.86m
JAIGARH	12:14z	07Jun2023	0.72m
UDUPI	12:31z	07Jun2023	1.03m
MANGALORE	13:00z	07Jun2023	1.12m
ALIBAG PORT	16:59z	07Jun2023	0.53m

INDONESIA

NAD ACEH-BESAR PULAU BREUEH

06:21z 07Jun2023

14.04m

IOC Reference: ICG/IOTWMS/COMMS/ER/Jun23

NAD KOTA-SABANG PULAU RONDO	06:23z 07Jun2023	3.53m
NAD KOTA-SABANG PULAU WEH	06:26z 07Jun2023	7.72m
NAD ACEH-BESAR PULAU PENAS	06:31z 07Jun2023	17.01m
NAD ACEH-BESAR BAGIAN BARAT	06:34z 07Jun2023	16.36m
NAD ACEH-JAYA	06:35z 07Jun2023	8.74m
NAD ACEH-BESAR BAGIAN UTARA	06:37z 07Jun2023	5.75m
NAD SIMEULUE PULAU SIMEULUE	06:39z 07Jun2023	4.30m
NAD KOTA-BANDA-ACEH	06:43z 07Jun2023	18.12m
NAD PIDIE	06:44z 07Jun2023	9.74m
SUMUT NIAS BAGIAN BARAT	06:54z 07Jun2023	2.78m
NAD BIREUEN	07:00z 07Jun2023	4.61m
SUMUT NIAS BAGIAN TIMUR	07:02z 07Jun2023	2.58m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	07:02z 07Jun2023	3.39m
SUMUT NIAS-SELATAN PULAU NIAS	07:04z 07Jun2023	2.67m
NAD ACEH-BARAT	07:06z 07Jun2023	7.07m
NAD NAGAN-RAYA	07:06z 07Jun2023	7.55m
NAD ACEH-UTARA BAGIAN BARAT	07:07z 07Jun2023	5.58m
SUMUT NIAS-SELATAN PULAU TANAHMASA	07:07z 07Jun2023	1.72m
NAD KOTA-LHOKSEUMAWÉ	07:12z 07Jun2023	5.39m
NAD ACEH-SELATAN BAGIAN UTARA	07:14z 07Jun2023	3.60m
SUMUT NIAS-SELATAN PULAU TANABALA	07:22z 07Jun2023	1.71m
SUMBAR KEPULAUAN-MENTAWAI P. SIBERUT	07:22z 07Jun2023	1.15m
NAD ACEH-BARAT-DAYA	07:24z 07Jun2023	6.66m
NAD ACEH-UTARA BAGIAN TIMUR	07:31z 07Jun2023	6.55m
SUMBAR KEPULAUAN-MENTAWAI PULAU SIPORA	07:48z 07Jun2023	0.89m
NAD ACEH-SELATAN BAGIAN SELATAN	07:52z 07Jun2023	4.28m
NAD ACEH-TIMUR	07:54z 07Jun2023	4.82m
NAD ACEH-SINGKIL	08:31z 07Jun2023	3.00m
SUMUT TAPANULI-TENGAH BAGIAN UTARA	08:32z 07Jun2023	1.08m
SUMUT MANDAILING-NATAL BAGIAN UTARA	08:54z 07Jun2023	1.47m
SUMUT TAPANULI-SELATAN	09:07z 07Jun2023	1.81m
SUMUT TAPANULI-TENGAH KEP. MURSALA	09:13z 07Jun2023	1.36m
NAD KOTA-LANGSA	09:18z 07Jun2023	5.50m
NAD ACEH-TAMIANG	09:33z 07Jun2023	4.51m
LAMPUNG TANGGAMUS BAGIAN BARAT	09:38z 07Jun2023	1.71m
SUMUT TAPANULI-TENGAH BAGIAN SELATAN	09:43z 07Jun2023	1.34m
SUMBAR KOTA-PADANG BAGIAN UTARA	10:02z 07Jun2023	1.51m
SUMUT LANGKAT	10:18z 07Jun2023	2.79m
SUMUT NIAS-SELATAN PULAU PINI	10:33z 07Jun2023	1.64m
SUMUT KOTA-MEDAN	10:42z 07Jun2023	3.45m
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	10:56z 07Jun2023	1.40m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	11:02z 07Jun2023	1.64m
SUMUT DELISERDANG	11:03z 07Jun2023	1.30m
SUMUT SERDANG-BEDAGAI	11:14z 07Jun2023	1.67m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	11:19z 07Jun2023	1.40m
LAMPUNG TANGGAMUS PULAU TABUAN	11:19z 07Jun2023	0.64m
LAMPUNG TANGGAMUS BAGIAN TIMUR	11:20z 07Jun2023	0.80m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	11:23z 07Jun2023	1.28m
SUMBAR PASAMAN-BARAT	11:40z 07Jun2023	1.10m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	11:47z 07Jun2023	1.44m
BENGKULU MUKOMUKO	11:49z 07Jun2023	1.13m
BENGKULU SELUMA	11:49z 07Jun2023	1.31m
BENGKULU KAUR	11:49z 07Jun2023	1.21m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	11:49z 07Jun2023	1.17m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	11:52z 07Jun2023	1.30m
JABAR SUKABUMI PELABUHAN-RATU	12:06z 07Jun2023	1.24m
BANTEN PANDEGLANG BAGIAN SELATAN	12:06z 07Jun2023	1.08m
SUMUT KOTA-SIBOLGA	12:08z 07Jun2023	1.92m
JABAR SUKABUMI UJUNG-GENTENG	12:10z 07Jun2023	1.05m
SUMUT ASAHAN	12:11z 07Jun2023	1.47m
SUMBAR KOTA-PADANG BAGIAN SELATAN	12:14z 07Jun2023	1.15m

BANTEN PANDEGLANG PULAU PANAITAN	12:19z 07Jun2023	0.71m
JABAR CIANJUR SINDANGBARANG	12:22z 07Jun2023	1.07m
LAMPUNG LAMPUNG-SELATAN KALIANDA	12:37z 07Jun2023	0.81m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	12:49z 07Jun2023	1.47m
LAMPUNG LAMPUNG-SELATAN KEP. SEBUKU	13:23z 07Jun2023	0.88m
SUMBAR PESISIR-SELATAN BAGIAN UTARA	13:25z 07Jun2023	0.73m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	13:26z 07Jun2023	1.49m
BANTEN LEBAK	13:29z 07Jun2023	1.14m
LAMPUNG LAMPUNG-SELATAN KEP. LEGUNDI	13:31z 07Jun2023	0.75m
JATIM PACITAN	13:35z 07Jun2023	0.88m
JABAR GARUT	13:41z 07Jun2023	0.74m
SUMUT LABUHANBATU	13:46z 07Jun2023	0.90m
SUMBAR PESISIR-SELATAN BAGIAN SELATAN	13:47z 07Jun2023	0.79m
JATENG CILACAP	13:48z 07Jun2023	0.87m
BANTEN PANDEGLANG BAGIAN UTARA	13:49z 07Jun2023	0.78m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	14:08z 07Jun2023	0.91m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI PANJANG	14:10z 07Jun2023	0.78m
JATENG KEBUMEN	14:11z 07Jun2023	0.84m
SUMBAR PADANG-PARIAMAN BAGIAN SELATAN	14:21z 07Jun2023	0.98m
SUMBAR AGAM	14:24z 07Jun2023	0.78m
JATENG PURWOREJO	14:31z 07Jun2023	1.02m
LAMPUNG LAMPUNG-SELATAN BAGIAN BARAT	14:31z 07Jun2023	0.68m
JABAR TASIKMALAYA	14:36z 07Jun2023	0.86m
BANTEN SERANG BAGIAN BARAT	14:55z 07Jun2023	0.62m
SUMBAR KOTA-PARIAMAN	14:57z 07Jun2023	0.78m
LAMPUNG LAMPUNG-SELATAN KEP. KRAKATAU	14:57z 07Jun2023	0.69m
JATIM TRENGGALEK	15:06z 07Jun2023	0.77m
NTB LOMBOK-BARAT BAGIAN SELATAN	15:11z 07Jun2023	0.56m
BENGKULU BENGKULU-SELATAN	15:35z 07Jun2023	1.20m
DIY GUNUNG-KIDUL	15:47z 07Jun2023	0.75m
DIY BANTUL	15:47z 07Jun2023	0.92m
NTB DOMPU BAGIAN SELATAN	15:48z 07Jun2023	0.60m
DIY KULON-PROGO	15:55z 07Jun2023	0.56m
JATIM BLITAR	16:07z 07Jun2023	0.72m
JABAR CIAMIS	16:14z 07Jun2023	0.92m
RIAU ROKAN-HILIR	16:29z 07Jun2023	0.68m
NTB LOMBOK-TENGAH	16:32z 07Jun2023	0.74m
NTB LOMBOK-TIMUR BAGIAN SELATAN	16:32z 07Jun2023	0.66m
JATIM JEMBER	16:43z 07Jun2023	0.53m
JATIM LUMAJANG	16:47z 07Jun2023	0.71m
BANTEN KOTA-CILEGON PULAU SANGIA	16:50z 07Jun2023	0.57m
JATENG WONOGIRI	16:59z 07Jun2023	0.89m
JATIM TULUNGAGUNG	17:02z 07Jun2023	0.54m
JATIM MALANG	17:06z 07Jun2023	0.55m
BALI BADUNG PANTAI-KUTA	17:15z 07Jun2023	0.55m
BANTEN KOTA-CILEGON	17:20z 07Jun2023	0.59m
JATIM JEMBER PULAU NUSABARUNG	17:42z 07Jun2023	0.53m

 IRAN

PUSHT	14:05z 07Jun2023	0.65m
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KENYA

KIWAYU	14:11z 07Jun2023	1.20m
KIPINI	14:37z 07Jun2023	1.14m
MALINDI	14:37z 07Jun2023	1.28m
TAKAUNGU	14:39z 07Jun2023	1.41m
MVULENI	14:39z 07Jun2023	1.25m

KISIMACHANDE 14:41z 07Jun2023 1.30m

MADAGASCAR

VOHEMAR 13:31z 07Jun2023 1.29m
ANOROTSANGANA 13:51z 07Jun2023 0.78m
TAMPOLO 14:03z 07Jun2023 0.87m
AMBAHY 14:14z 07Jun2023 0.81m
FARAFAGANA 14:15z 07Jun2023 1.35m
MANANTENINA 14:27z 07Jun2023 0.87m
SAMPONA 15:04z 07Jun2023 0.89m
TOAMASINA AIRPORT 16:01z 07Jun2023 0.65m
GLORIOSO ISLANDS 16:55z 07Jun2023 0.67m

MALAYSIA

SATUN 09:28z 07Jun2023 2.49m
YAN 09:29z 07Jun2023 1.63m
WEST OF ALOR SETAR 09:39z 07Jun2023 1.67m
SEBERANG PERAI SELATAN 09:59z 07Jun2023 2.61m
SEBERANG PERAI UTARA AND BARAT DAYA 10:01z 07Jun2023 2.22m
KERIAN 10:17z 07Jun2023 1.93m
LARUT AND MATANG 10:25z 07Jun2023 1.94m
KUALA MUDA 10:27z 07Jun2023 1.43m
MANJUNG 10:38z 07Jun2023 1.90m
HILIR PERAK 11:53z 07Jun2023 1.33m
SABAK BERNAM 13:24z 07Jun2023 1.04m
KUALA SELANGOR 14:20z 07Jun2023 0.73m

MALDIVES

MALE 09:05z 07Jun2023 7.77m
KULHUDUFFUSHI 09:07z 07Jun2023 4.52m
KOLHUFUSHI 09:07z 07Jun2023 7.44m
DHIYAMIGILI 09:08z 07Jun2023 9.54m
THINADHOO 09:09z 07Jun2023 4.63m
HITHADHOO 09:13z 07Jun2023 5.24m
GOIDHOO 09:20z 07Jun2023 2.63m
NILANDHOO 09:25z 07Jun2023 5.05m
FERIDHOO 09:26z 07Jun2023 3.33m

MAURITIUS

LA FERME 11:50z 07Jun2023 1.51m
CARGADOS CARAJOS 12:21z 07Jun2023 1.72m
AGALEGA ISLAND 12:24z 07Jun2023 0.85m
GRANDE REVIERE SUD EST-EAST 12:39z 07Jun2023 1.36m
GRANDE REVIERE SUD EST-WEST 14:07z 07Jun2023 0.70m

MOZAMBIQUE

MAGANJA 14:45z 07Jun2023 1.11m
QUITERAJO 15:00z 07Jun2023 0.70m
TAVARI 15:02z 07Jun2023 0.55m
PEMBA 15:02z 07Jun2023 0.76m
MERONVI 15:05z 07Jun2023 0.97m

MECUFI	15:08z	07Jun2023	1.02m
NANGATA	15:09z	07Jun2023	0.80m
LURIO	15:10z	07Jun2023	0.72m
MINHAUINE	15:15z	07Jun2023	1.16m
MURREBUE	17:15z	07Jun2023	0.64m

MYANMAR

PREPARIS ISLAND	07:24z	07Jun2023	2.19m
LITTLE COCO ISLAND	07:28z	07Jun2023	2.19m
THAN KYUN	07:35z	07Jun2023	5.35m
GREAT WESTERN TORRES ISLAND	07:36z	07Jun2023	2.23m
LORD LOUGHBOROUGH ISLAND	07:38z	07Jun2023	3.95m
KYWEGYAUNG	07:50z	07Jun2023	1.75m
CHEDUBA ISLAND	07:59z	07Jun2023	1.71m
MAGYIGYAING	08:01z	07Jun2023	2.44m
MAWYEN	08:04z	07Jun2023	1.53m
KYAUKPYU	08:21z	07Jun2023	1.66m
THAWINCHAUNG	08:25z	07Jun2023	1.56m
SITTWE	08:27z	07Jun2023	2.11m
PHARPON	09:04z	07Jun2023	1.58m
MALI KYUN	09:12z	07Jun2023	1.88m
YANGON-S	09:35z	07Jun2023	1.34m
YE	09:44z	07Jun2023	1.39m

OMAN

AD DUQM	12:35z	07Jun2023	0.78m
HASIK	12:57z	07Jun2023	0.96m
SALALAH	12:58z	07Jun2023	1.11m
MIRBAT	13:03z	07Jun2023	1.34m
AL ASHKHARAH	13:09z	07Jun2023	0.91m
TAQAH	13:09z	07Jun2023	1.23m
AL JAZER	13:12z	07Jun2023	0.63m
QURAYYAT	13:23z	07Jun2023	0.70m
RAS AR RUWAYS	14:49z	07Jun2023	0.66m
SUR	15:18z	07Jun2023	0.82m

PAKISTAN

ORMARA	13:40z	07Jun2023	0.70m
KARACHI	14:21z	07Jun2023	0.72m

SEYCHELLES

FREGATE ISLAND	12:10z	07Jun2023	2.16m
COETIVY ISLAND	12:18z	07Jun2023	1.88m
ILE DESROCHES	12:43z	07Jun2023	1.28m
ALPHONSE ISLAND	12:57z	07Jun2023	0.82m
TAKAMAKA	13:08z	07Jun2023	2.14m
FARQUHAR GROUP	13:12z	07Jun2023	1.03m
ALDABRA	13:50z	07Jun2023	0.88m
ASTOVE ISLAND	15:45z	07Jun2023	0.75m

SOMALIA

BANDER-BEYLA	13:04z	07Jun2023	2.36m
EYL	13:09z	07Jun2023	3.78m
TOOXIN	13:10z	07Jun2023	2.51m
GALDOGOB	13:14z	07Jun2023	2.77m
JARIIBAN	13:16z	07Jun2023	2.96m
XARARDHEERE	13:22z	07Jun2023	2.98m
CEEL DHEER	13:23z	07Jun2023	2.83m
ITALA	13:24z	07Jun2023	1.99m
MAREEG	13:25z	07Jun2023	1.76m
ABO	13:29z	07Jun2023	1.42m
UARSCIECH	13:31z	07Jun2023	1.72m
MUQDISHO	13:36z	07Jun2023	1.67m
BEYNAX BARRE	13:43z	07Jun2023	2.05m
BARAAWE	13:48z	07Jun2023	1.85m
JILIB	13:57z	07Jun2023	1.83m
TURDHO	13:59z	07Jun2023	1.92m
NE BEERNAASI	14:02z	07Jun2023	1.95m
KAAMBOONI	14:10z	07Jun2023	1.67m
QANDALA	14:47z	07Jun2023	0.66m

SOUTH AFRICA

GWABALANDA HITAWI	17:11z	07Jun2023	0.53m
ABORETUM	17:28z	07Jun2023	0.58m
MARSHSTRAND	17:37z	07Jun2023	0.54m
ZIKHOVA	17:39z	07Jun2023	0.56m
PEDDIE	17:46z	07Jun2023	0.50m

SRI LANKA

BATTICALOA	07:38z	07Jun2023	9.08m
AKKARAIPATTU	07:39z	07Jun2023	7.16m
KIRINDA	07:42z	07Jun2023	9.59m
ANAITIVU	07:45z	07Jun2023	3.92m
KATTANKUDI	07:45z	07Jun2023	8.20m
PANKULAM	07:45z	07Jun2023	5.60m
OKANDA	07:46z	07Jun2023	11.55m
POTTUVIL	07:47z	07Jun2023	9.60m
MULLAITTIVU	07:50z	07Jun2023	6.77m
TANGALLE	07:55z	07Jun2023	7.05m
MATARA	07:57z	07Jun2023	7.83m
HAMBANTOTA	07:59z	07Jun2023	9.50m
CHUNDIKKULAM	08:05z	07Jun2023	4.25m
AMBALANGODA	08:06z	07Jun2023	4.29m
GALLE	08:06z	07Jun2023	6.63m
CHAVAKACHCHERI	08:12z	07Jun2023	4.54m
POINT PEDRO	08:13z	07Jun2023	4.69m
BERUWALA	08:19z	07Jun2023	3.95m
COLOMBO	08:20z	07Jun2023	3.31m
MORATUWA	08:23z	07Jun2023	4.13m
NEGOMBO	08:27z	07Jun2023	2.98m
MUNDAL LAKE	08:32z	07Jun2023	2.98m
MANNAR ISLAND	08:37z	07Jun2023	2.07m
MUSALI	08:54z	07Jun2023	1.65m

TANZANIA

VUMBA	14:33z	07Jun2023	0.88m
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VUMBI	14:34z	07Jun2023	0.83m
ZANZIBAR	14:38z	07Jun2023	1.01m
JIMBO	14:41z	07Jun2023	0.85m
GAZIJA	14:43z	07Jun2023	1.09m
SONGO SONGO ISLAND	14:44z	07Jun2023	0.90m
KUTANI	14:46z	07Jun2023	1.12m
MADANGWA	14:46z	07Jun2023	1.75m
RUVU	14:47z	07Jun2023	0.92m
MSASANI	14:54z	07Jun2023	0.69m
BOMALANDNI	15:41z	07Jun2023	0.81m
WEST TO KONDE	15:44z	07Jun2023	0.95m

THAILAND

THAI MUEANG	07:32z	07Jun2023	8.63m
KO RACHA NOI	07:39z	07Jun2023	5.40m
KOH SURIN TAI	07:44z	07Jun2023	6.75m
KOH LANTA YAI	08:15z	07Jun2023	2.58m
THAI MUEANG_TAKUA PA	08:19z	07Jun2023	8.17m
KOH ROK	08:20z	07Jun2023	2.56m
MUEANG SATUN	08:25z	07Jun2023	2.48m
KOH TARUTAO	09:39z	07Jun2023	3.57m

UNITED KINGDOM

MORESBY ISLAND	09:34z	07Jun2023	4.20m
DIEGO GARCIA	09:38z	07Jun2023	3.02m
NW EGMONT ISLAND	09:57z	07Jun2023	2.33m

YEMEN

DAMQAWT	13:01z	07Jun2023	1.20m
AL GHAYDAH AIRPORT	13:08z	07Jun2023	1.33m
SOCOTRA ISLAND NORTH	13:14z	07Jun2023	1.23m
SOCOTRA ISLAND SOUTH	13:15z	07Jun2023	2.09m
HUSWAYN	13:18z	07Jun2023	1.45m
SOCOTRA ISLAND WEST	13:20z	07Jun2023	0.91m
ALQUMRAH	13:44z	07Jun2023	0.98m
MASILAH WADI	15:02z	07Jun2023	0.89m
HAMI	15:09z	07Jun2023	0.58m
HARRAH	15:14z	07Jun2023	0.58m
AL MUKALLA	15:49z	07Jun2023	0.73m

4. ADVICE

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

5. UPDATES

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

Other TSPs may issue additional information at:

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

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

6. CONTACT INFORMATION

IOTWMS-TSP INDONESIA:

THE AGENCY FOR METEOROLOGY CLIMATOLOGY AND GEOPHYSICS (BMKG)

InaTEWS - Indonesian Tsunami Early Warning System

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

Tel.: +62 (21) 4246321/6546316

Fax: +62 (21) 6546316/4246703

P.O. Box 3540 Jakarta

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

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

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

E-Mail: inartsp@bmkg.go.id

monitrtwp@bmkg.go.id

END OF BULLETIN

TEST TEST TEST TEST TEST CommTEST-Jun-2023 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Jun-2023 TEST TEST TEST TEST TEST TEST TEST

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

TSP INDONESIA Message 3

TEST TEST TEST TEST TEST CommTEST-Jun-2023 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Jun-2023 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20230607-0630-003

TSUNAMI BULLETIN NUMBER 3 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0630 UTC, Jun 07, 2023

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

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

1. EARTHQUAKE INFORMATION (updated)

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

Magnitude : 9.0 Mwp (REVISED)
Depth : 10km
Date : 07 Jun 2023
Origin Time: 06:00:00 UTC
Latitude : 7.20N
Longitude : 92.90E
Location : Nicobar Islands, India Region

2. EVALUATION

Sea level observations have confirmed that a TSUNAMI WAS GENERATED.

Maximum wave amplitudes observed so far:

LOCATION	COUNTRIES	LAT	LON	AMPL(m)	TIME(UTC)	DATE
SABANG	INDONESIA	5.83N	95.33E	4.2	06:22	June 7, 2023
NANCOWRY	INDIA	8.05N	93.55E	5.1	06:28	June 7, 2023

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

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

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

The threat is deemed to have passed two hours after the forecast time for last exceedance of the 0.5m threat threshold for a zone. As local conditions can cause a wide variation in tsunami wave action, CANCELLATION of national

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

AUSTRALIA

COCOS ISLAND	08:28z	07Jun2023	1.32m
CHRISTMAS ISLAND	11:59z	07Jun2023	1.15m
GASCOYNE COAST	12:06z	07Jun2023	1.18m
LEEUVIN COAST	13:36z	07Jun2023	0.88m
PILBARA COAST WEST	13:49z	07Jun2023	0.85m
NINGALOO COAST	14:01z	07Jun2023	0.71m
GERALDTON COAST	14:14z	07Jun2023	0.63m
PILBARA COAST EAST	15:20z	07Jun2023	0.51m
BUNBURY GEOGRAPHE COAST	16:12z	07Jun2023	0.62m
LANCELIN COAST	16:14z	07Jun2023	0.74m
HEARD ISLAND AND MCDONALD ISLANDS	16:21z	07Jun2023	1.62m
AURORA BANK	17:02z	07Jun2023	0.93m

BANGLADESH

COXS BAZAR	08:57z	07Jun2023	1.67m
KUTUBDIA ISLAND	09:07z	07Jun2023	1.62m
BARGUNA	09:36z	07Jun2023	1.88m
CHALNA	10:02z	07Jun2023	1.49m

COMOROS

BAMBAO	14:19z	07Jun2023	0.66m
CHEZANI	14:24z	07Jun2023	0.86m
FOMBONI	14:31z	07Jun2023	1.17m
DZAOUDZI	15:33z	07Jun2023	0.79m

FRANCE

SAINT-DENIS	13:30z	07Jun2023	0.65m
ILE SAINT-PAUL-NORTH	13:32z	07Jun2023	1.04m
ILE SAINT-PAUL-SOUTH	13:45z	07Jun2023	0.98m
ILE DE LA POSSESSION	15:22z	07Jun2023	1.12m
NES CROZET	15:29z	07Jun2023	0.93m
CROZET PLATEAU	15:49z	07Jun2023	0.76m
ILE KERGUELEN	15:58z	07Jun2023	0.65m

INDIA

CAR NICOBAR	06:03z	07Jun2023	12.84m
KOMATRA AND KATCHAL ISLAND	06:04z	07Jun2023	15.19m
INDIRA POINT	06:08z	07Jun2023	12.76m
LITTLE ANDAMAN	06:11z	07Jun2023	6.84m
NORTH SENTINEL ISLAND	06:26z	07Jun2023	4.44m
PORT BLAIR	06:33z	07Jun2023	3.73m
HAVELOCK	06:49z	07Jun2023	4.06m
WEST AND LANDFALL ISLAND	06:55z	07Jun2023	2.69m
BARREN ISLAND	06:55z	07Jun2023	2.28m
FLAT ISLAND	06:56z	07Jun2023	3.70m
RANGATH BAY	07:00z	07Jun2023	3.89m
DIGLIPUR	07:11z	07Jun2023	2.95m

NARCONDAM ISLAND	07:43z	07Jun2023	1.74m
MARAKKANAM	08:04z	07Jun2023	3.61m
CUDDALORE	08:06z	07Jun2023	3.99m
PUDUCHERRY	08:07z	07Jun2023	3.86m
ENNORE	08:09z	07Jun2023	4.00m
KAKINADA	08:10z	07Jun2023	3.70m
SRIHARIKOTA	08:10z	07Jun2023	3.23m
MACHILIPATNAM	08:11z	07Jun2023	3.14m
MAHABALIPURAM	08:11z	07Jun2023	5.23m
POOMBUHAR	08:12z	07Jun2023	3.98m
NAGAPATTINAM	08:12z	07Jun2023	3.99m
PERUPALEM	08:14z	07Jun2023	3.29m
NIJAMPATTANAM	08:14z	07Jun2023	4.44m
CHENNAI	08:14z	07Jun2023	4.18m
KARAIKAL	08:16z	07Jun2023	3.84m
PURI	08:17z	07Jun2023	2.70m
KOTTAPATNAM	08:17z	07Jun2023	3.62m
MALLIPATTINAM	08:17z	07Jun2023	4.89m
MUTHUPET	08:18z	07Jun2023	4.21m
PARADIP	08:19z	07Jun2023	2.66m
KALINGAPATNAM	08:19z	07Jun2023	3.41m
KONADA	08:20z	07Jun2023	2.73m
VISAKHAPATNAM	08:21z	07Jun2023	3.19m
GOPALPUR	08:27z	07Jun2023	3.80m
JAMBOO	08:32z	07Jun2023	2.05m
TUTICORIN	08:45z	07Jun2023	2.20m
RAMESWARAM	08:54z	07Jun2023	2.19m
KOTTTAIPPATTANAM	08:54z	07Jun2023	2.78m
DHAMRA	08:55z	07Jun2023	1.68m
HEMNAGAR	09:03z	07Jun2023	1.68m
KOODANKULAM	09:05z	07Jun2023	3.06m
NAMKHANA	09:10z	07Jun2023	1.90m
CHANDIPUR	09:12z	07Jun2023	1.96m
DIGHA	09:14z	07Jun2023	1.64m
KANYAKUMARI	09:16z	07Jun2023	4.05m
TRIVANDRUM	09:20z	07Jun2023	2.63m
QUILON	09:20z	07Jun2023	2.48m
ALLEPPEY ALAPPUZHA	09:28z	07Jun2023	1.96m
MINICOY	09:28z	07Jun2023	1.60m
ANDROTH	09:39z	07Jun2023	1.12m
KAVARATTI	09:51z	07Jun2023	1.23m
AMINI	09:58z	07Jun2023	1.12m
VADANAPPALLY	10:01z	07Jun2023	1.40m
AGATTI	10:02z	07Jun2023	1.31m
COCHIN	10:04z	07Jun2023	2.03m
VAKKAD	10:08z	07Jun2023	1.42m
BEYPORE	10:21z	07Jun2023	1.31m
KANNUR	10:31z	07Jun2023	1.34m
MAHE	10:32z	07Jun2023	0.89m
KASARAGOD	10:35z	07Jun2023	1.25m
KARWAR	11:26z	07Jun2023	0.99m
MALVAN BAY	11:52z	07Jun2023	0.65m
VASCO	11:57z	07Jun2023	0.78m
PANAJI	11:58z	07Jun2023	0.86m
JAIGARH	12:14z	07Jun2023	0.72m
UDUPI	12:31z	07Jun2023	1.03m
MANGALORE	13:00z	07Jun2023	1.12m
ALIBAG PORT	16:59z	07Jun2023	0.53m

INDONESIA

IOC Reference: ICG/IOTWMS/COMMS/ER/Jun23

NAD ACEH-BESAR PULAU BREUEH	06:21z	07Jun2023	14.04m
NAD KOTA-SABANG PULAU RONDO	06:23z	07Jun2023	3.53m
NAD KOTA-SABANG PULAU WEH	06:26z	07Jun2023	7.72m
NAD ACEH-BESAR PULAU PENAS	06:31z	07Jun2023	17.01m
NAD ACEH-BESAR BAGIAN BARAT	06:34z	07Jun2023	16.36m
NAD ACEH-JAYA	06:35z	07Jun2023	8.74m
NAD ACEH-BESAR BAGIAN UTARA	06:37z	07Jun2023	5.75m
NAD SIMEULUE PULAU SIMEULUE	06:39z	07Jun2023	4.30m
NAD KOTA-BANDA-ACEH	06:43z	07Jun2023	18.12m
NAD PIDIE	06:44z	07Jun2023	9.74m
SUMUT NIAS BAGIAN BARAT	06:54z	07Jun2023	2.78m
NAD BIREUEN	07:00z	07Jun2023	4.61m
SUMUT NIAS BAGIAN TIMUR	07:02z	07Jun2023	2.58m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	07:02z	07Jun2023	3.39m
SUMUT NIAS-SELATAN PULAU NIAS	07:04z	07Jun2023	2.67m
NAD ACEH-BARAT	07:06z	07Jun2023	7.07m
NAD NAGAN-RAYA	07:06z	07Jun2023	7.55m
NAD ACEH-UTARA BAGIAN BARAT	07:07z	07Jun2023	5.58m
SUMUT NIAS-SELATAN PULAU TANAHMASA	07:07z	07Jun2023	1.72m
NAD KOTA-LHOKSEUMAWÉ	07:12z	07Jun2023	5.39m
NAD ACEH-SELATAN BAGIAN UTARA	07:14z	07Jun2023	3.60m
SUMUT NIAS-SELATAN PULAU TANABALA	07:22z	07Jun2023	1.71m
SUMBAR KEPULAUAN-MENTAWAI P. SIBERUT	07:22z	07Jun2023	1.15m
NAD ACEH-BARAT-DAYA	07:24z	07Jun2023	6.66m
NAD ACEH-UTARA BAGIAN TIMUR	07:31z	07Jun2023	6.55m
SUMBAR KEPULAUAN-MENTAWAI PULAU SIPORA	07:48z	07Jun2023	0.89m
NAD ACEH-SELATAN BAGIAN SELATAN	07:52z	07Jun2023	4.28m
NAD ACEH-TIMUR	07:54z	07Jun2023	4.82m
NAD ACEH-SINGKIL	08:31z	07Jun2023	3.00m
SUMUT TAPANULI-TENGAH BAGIAN UTARA	08:32z	07Jun2023	1.08m
SUMUT MANDAILING-NATAL BAGIAN UTARA	08:54z	07Jun2023	1.47m
SUMUT TAPANULI-SELATAN	09:07z	07Jun2023	1.81m
SUMUT TAPANULI-TENGAH KEP. MURSALA	09:13z	07Jun2023	1.36m
NAD KOTA-LANGSA	09:18z	07Jun2023	5.50m
NAD ACEH-TAMIANG	09:33z	07Jun2023	4.51m
LAMPUNG TANGGAMUS BAGIAN BARAT	09:38z	07Jun2023	1.71m
SUMUT TAPANULI-TENGAH BAGIAN SELATAN	09:43z	07Jun2023	1.34m
SUMBAR KOTA-PADANG BAGIAN UTARA	10:02z	07Jun2023	1.51m
SUMUT LANGKAT	10:18z	07Jun2023	2.79m
SUMUT NIAS-SELATAN PULAU PINI	10:33z	07Jun2023	1.64m
SUMUT KOTA-MEDAN	10:42z	07Jun2023	3.45m
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	10:56z	07Jun2023	1.40m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	11:02z	07Jun2023	1.64m
SUMUT DELISERDANG	11:03z	07Jun2023	1.30m
SUMUT SERDANG-BEDAGAI	11:14z	07Jun2023	1.67m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	11:19z	07Jun2023	1.40m
LAMPUNG TANGGAMUS PULAU TABUAN	11:19z	07Jun2023	0.64m
LAMPUNG TANGGAMUS BAGIAN TIMUR	11:20z	07Jun2023	0.80m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	11:23z	07Jun2023	1.28m
SUMBAR PASAMAN-BARAT	11:40z	07Jun2023	1.10m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	11:47z	07Jun2023	1.44m
BENGKULU MUKOMUKO	11:49z	07Jun2023	1.13m
BENGKULU SELUMA	11:49z	07Jun2023	1.31m
BENGKULU KAUR	11:49z	07Jun2023	1.21m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	11:49z	07Jun2023	1.17m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	11:52z	07Jun2023	1.30m
JABAR SUKABUMI PELABUHAN-RATU	12:06z	07Jun2023	1.24m
BANTEN PANDEGLANG BAGIAN SELATAN	12:06z	07Jun2023	1.08m
SUMUT KOTA-SIBOLGA	12:08z	07Jun2023	1.92m
JABAR SUKABUMI UJUNG-GENTENG	12:10z	07Jun2023	1.05m

SUMUT ASAHAN	12:11z	07Jun2023	1.47m
SUMBAR KOTA-PADANG BAGIAN SELATAN	12:14z	07Jun2023	1.15m
BANTEN PANDEGLANG PULAU PANAITAN	12:19z	07Jun2023	0.71m
JABAR CIANJUR SINDANGBARANG	12:22z	07Jun2023	1.07m
LAMPUNG LAMPUNG-SELATAN KALIANDA	12:37z	07Jun2023	0.81m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	12:49z	07Jun2023	1.47m
LAMPUNG LAMPUNG-SELATAN KEP. SEBUKU	13:23z	07Jun2023	0.88m
SUMBAR PESISIR-SELATAN BAGIAN UTARA	13:25z	07Jun2023	0.73m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	13:26z	07Jun2023	1.49m
BANTEN LEBAK	13:29z	07Jun2023	1.14m
LAMPUNG LAMPUNG-SELATAN KEP. LEGUNDI	13:31z	07Jun2023	0.75m
JATIM PACITAN	13:35z	07Jun2023	0.88m
JABAR GARUT	13:41z	07Jun2023	0.74m
SUMUT LABUHANBATU	13:46z	07Jun2023	0.90m
SUMBAR PESISIR-SELATAN BAGIAN SELATAN	13:47z	07Jun2023	0.79m
JATENG CILACAP	13:48z	07Jun2023	0.87m
BANTEN PANDEGLANG BAGIAN UTARA	13:49z	07Jun2023	0.78m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	14:08z	07Jun2023	0.91m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI PANJANG	14:10z	07Jun2023	0.78m
JATENG KEBUMEN	14:11z	07Jun2023	0.84m
SUMBAR PADANG-PARIAMAN BAGIAN SELATAN	14:21z	07Jun2023	0.98m
SUMBAR AGAM	14:24z	07Jun2023	0.78m
JATENG PURWOREJO	14:31z	07Jun2023	1.02m
LAMPUNG LAMPUNG-SELATAN BAGIAN BARAT	14:31z	07Jun2023	0.68m
JABAR TASIKMALAYA	14:36z	07Jun2023	0.86m
BANTEN SERANG BAGIAN BARAT	14:55z	07Jun2023	0.62m
SUMBAR KOTA-PARIAMAN	14:57z	07Jun2023	0.78m
LAMPUNG LAMPUNG-SELATAN KEP. KRAKATAU	14:57z	07Jun2023	0.69m
JATIM TRENGGALEK	15:06z	07Jun2023	0.77m
NTB LOMBOK-BARAT BAGIAN SELATAN	15:11z	07Jun2023	0.56m
BENGKULU BENGKULU-SELATAN	15:35z	07Jun2023	1.20m
DIY GUNUNG-KIDUL	15:47z	07Jun2023	0.75m
DIY BANTUL	15:47z	07Jun2023	0.92m
NTB DOMPU BAGIAN SELATAN	15:48z	07Jun2023	0.60m
DIY KULON-PROGO	15:55z	07Jun2023	0.56m
JATIM BLITAR	16:07z	07Jun2023	0.72m
JABAR CIAMIS	16:14z	07Jun2023	0.92m
RIAU ROKAN-HILIR	16:29z	07Jun2023	0.68m
NTB LOMBOK-TENGAH	16:32z	07Jun2023	0.74m
NTB LOMBOK-TIMUR BAGIAN SELATAN	16:32z	07Jun2023	0.66m
JATIM JEMBER	16:43z	07Jun2023	0.53m
JATIM LUMAJANG	16:47z	07Jun2023	0.71m
BANTEN KOTA-CILEGON PULAU SANGIA	16:50z	07Jun2023	0.57m
JATENG WONOGIRI	16:59z	07Jun2023	0.89m
JATIM TULUNGAGUNG	17:02z	07Jun2023	0.54m
JATIM MALANG	17:06z	07Jun2023	0.55m
BALI BADUNG PANTAI-KUTA	17:15z	07Jun2023	0.55m
BANTEN KOTA-CILEGON	17:20z	07Jun2023	0.59m
JATIM JEMBER PULAU NUSABARUNG	17:42z	07Jun2023	0.53m

IRAN

PUSHT	14:05z	07Jun2023	0.65m
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KENYA

KIWAYU	14:11z	07Jun2023	1.20m
KIPINI	14:37z	07Jun2023	1.14m
MALINDI	14:37z	07Jun2023	1.28m

TAKAUNGU	14:39z	07Jun2023	1.41m
MVULENI	14:39z	07Jun2023	1.25m
KISIMACHANDE	14:41z	07Jun2023	1.30m

MADAGASCAR

VOHEMAR	13:31z	07Jun2023	1.29m
ANOROTSANGANA	13:51z	07Jun2023	0.78m
TAMPOLO	14:03z	07Jun2023	0.87m
AMBAHY	14:14z	07Jun2023	0.81m
FARAFAGANA	14:15z	07Jun2023	1.35m
MANANTENINA	14:27z	07Jun2023	0.87m
SAMPONA	15:04z	07Jun2023	0.89m
TOAMASINA AIRPORT	16:01z	07Jun2023	0.65m
GLORIOSO ISLANDS	16:55z	07Jun2023	0.67m

MALAYSIA

SATUN	09:28z	07Jun2023	2.49m
YAN	09:29z	07Jun2023	1.63m
WEST OF ALOR SETAR	09:39z	07Jun2023	1.67m
SEBERANG PERAI SELATAN	09:59z	07Jun2023	2.61m
SEBERANG PERAI UTARA AND BARAT DAYA	10:01z	07Jun2023	2.22m
KERIAN	10:17z	07Jun2023	1.93m
LARUT AND MATANG	10:25z	07Jun2023	1.94m
KUALA MUDA	10:27z	07Jun2023	1.43m
MANJUNG	10:38z	07Jun2023	1.90m
HILIR PERAK	11:53z	07Jun2023	1.33m
SABAK BERNAM	13:24z	07Jun2023	1.04m
KUALA SELANGOR	14:20z	07Jun2023	0.73m

MALDIVES

MALE	09:05z	07Jun2023	7.77m
KULHUDUFFUSHI	09:07z	07Jun2023	4.52m
KOLHUFUSHI	09:07z	07Jun2023	7.44m
DHIYAMIGILI	09:08z	07Jun2023	9.54m
THINADHOO	09:09z	07Jun2023	4.63m
HITHADHOO	09:13z	07Jun2023	5.24m
GOIDHOO	09:20z	07Jun2023	2.63m
NILANDHOO	09:25z	07Jun2023	5.05m
FERIDHOO	09:26z	07Jun2023	3.33m

MAURITIUS

LA FERME	11:50z	07Jun2023	1.51m
CARGADOS CARAJOS	12:21z	07Jun2023	1.72m
AGALEGA ISLAND	12:24z	07Jun2023	0.85m
GRANDE REVIERE SUD EST-EAST	12:39z	07Jun2023	1.36m
GRANDE REVIERE SUD EST-WEST	14:07z	07Jun2023	0.70m

MOZAMBIQUE

MAGANJA	14:45z	07Jun2023	1.11m
QUITERAJO	15:00z	07Jun2023	0.70m
TAVARI	15:02z	07Jun2023	0.55m

PEMBA	15:02z	07Jun2023	0.76m
MERONVI	15:05z	07Jun2023	0.97m
MECUFI	15:08z	07Jun2023	1.02m
NANGATA	15:09z	07Jun2023	0.80m
LURIO	15:10z	07Jun2023	0.72m
MINHAUINE	15:15z	07Jun2023	1.16m
MURREBUE	17:15z	07Jun2023	0.64m

MYANMAR

PREPARIS ISLAND	07:24z	07Jun2023	2.19m
LITTLE COCO ISLAND	07:28z	07Jun2023	2.19m
THAN KYUN	07:35z	07Jun2023	5.35m
GREAT WESTERN TORRES ISLAND	07:36z	07Jun2023	2.23m
LORD LOUGHBOROUGH ISLAND	07:38z	07Jun2023	3.95m
KYWEGYAUNG	07:50z	07Jun2023	1.75m
CHEDUBA ISLAND	07:59z	07Jun2023	1.71m
MAGYIGYAING	08:01z	07Jun2023	2.44m
MAWYEN	08:04z	07Jun2023	1.53m
KYAUKPYU	08:21z	07Jun2023	1.66m
THAWINCHAUNG	08:25z	07Jun2023	1.56m
SITTWE	08:27z	07Jun2023	2.11m
PHARPON	09:04z	07Jun2023	1.58m
MALI KYUN	09:12z	07Jun2023	1.88m
YANGON-S	09:35z	07Jun2023	1.34m
YE	09:44z	07Jun2023	1.39m

OMAN

AD DUQM	12:35z	07Jun2023	0.78m
HASIK	12:57z	07Jun2023	0.96m
SALALAH	12:58z	07Jun2023	1.11m
MIRBAT	13:03z	07Jun2023	1.34m
AL ASHKHARAH	13:09z	07Jun2023	0.91m
TAQAH	13:09z	07Jun2023	1.23m
AL JAZER	13:12z	07Jun2023	0.63m
QURAYYAT	13:23z	07Jun2023	0.70m
RAS AR RUWAYS	14:49z	07Jun2023	0.66m
SUR	15:18z	07Jun2023	0.82m

PAKISTAN

ORMARA	13:40z	07Jun2023	0.70m
KARACHI	14:21z	07Jun2023	0.72m

SEYCHELLES

FREGATE ISLAND	12:10z	07Jun2023	2.16m
COETIVY ISLAND	12:18z	07Jun2023	1.88m
ILE DESROCHES	12:43z	07Jun2023	1.28m
ALPHONSE ISLAND	12:57z	07Jun2023	0.82m
TAKAMAKA	13:08z	07Jun2023	2.14m
FARQUHAR GROUP	13:12z	07Jun2023	1.03m
ALDABRA	13:50z	07Jun2023	0.88m
ASTOVE ISLAND	15:45z	07Jun2023	0.75m

SOMALIA

BANDER-BEYLA	13:04z	07Jun2023	2.36m
EYL	13:09z	07Jun2023	3.78m
TOOXIN	13:10z	07Jun2023	2.51m
GALDOGOB	13:14z	07Jun2023	2.77m
JARIIBAN	13:16z	07Jun2023	2.96m
XARARDHEERE	13:22z	07Jun2023	2.98m
CEEL DHEER	13:23z	07Jun2023	2.83m
ITALA	13:24z	07Jun2023	1.99m
MAREEG	13:25z	07Jun2023	1.76m
ABO	13:29z	07Jun2023	1.42m
UARSCIECH	13:31z	07Jun2023	1.72m
MUQDISHO	13:36z	07Jun2023	1.67m
BEYNAX BARRE	13:43z	07Jun2023	2.05m
BARAAWE	13:48z	07Jun2023	1.85m
JILIB	13:57z	07Jun2023	1.83m
TURDHO	13:59z	07Jun2023	1.92m
NE BEERNAASI	14:02z	07Jun2023	1.95m
KAAMBOONI	14:10z	07Jun2023	1.67m
QANDALA	14:47z	07Jun2023	0.66m

SOUTH AFRICA

GWABALANDA HITAWI	17:11z	07Jun2023	0.53m
ABORETUM	17:28z	07Jun2023	0.58m
MARSHSTRAND	17:37z	07Jun2023	0.54m
ZIKHOVA	17:39z	07Jun2023	0.56m
PEDDIE	17:46z	07Jun2023	0.50m

SRI LANKA

BATTICALOA	07:38z	07Jun2023	9.08m
AKKARAIPATTU	07:39z	07Jun2023	7.16m
KIRINDA	07:42z	07Jun2023	9.59m
ANAITIVU	07:45z	07Jun2023	3.92m
KATTANKUDI	07:45z	07Jun2023	8.20m
PANKULAM	07:45z	07Jun2023	5.60m
OKANDA	07:46z	07Jun2023	11.55m
POTTUVIL	07:47z	07Jun2023	9.60m
MULLAITTIVU	07:50z	07Jun2023	6.77m
TANGALLE	07:55z	07Jun2023	7.05m
MATARA	07:57z	07Jun2023	7.83m
HAMBANTOTA	07:59z	07Jun2023	9.50m
CHUNDIKKULAM	08:05z	07Jun2023	4.25m
AMBALANGODA	08:06z	07Jun2023	4.29m
GALLE	08:06z	07Jun2023	6.63m
CHAVAKACHCHERI	08:12z	07Jun2023	4.54m
POINT PEDRO	08:13z	07Jun2023	4.69m
BERUWALA	08:19z	07Jun2023	3.95m
COLOMBO	08:20z	07Jun2023	3.31m
MORATUWA	08:23z	07Jun2023	4.13m
NEGOMBO	08:27z	07Jun2023	2.98m
MUNDAL LAKE	08:32z	07Jun2023	2.98m
MANNAR ISLAND	08:37z	07Jun2023	2.07m
MUSALI	08:54z	07Jun2023	1.65m

TANZANIA

IOC Reference: ICG/IOTWMS/COMMS/ER/Jun23

VUMBA	14:33z	07Jun2023	0.88m
VUMBI	14:34z	07Jun2023	0.83m
ZANZIBAR	14:38z	07Jun2023	1.01m
JIMBO	14:41z	07Jun2023	0.85m
GAZIJA	14:43z	07Jun2023	1.09m
SONGO SONGO ISLAND	14:44z	07Jun2023	0.90m
KUTANI	14:46z	07Jun2023	1.12m
MADANGWA	14:46z	07Jun2023	1.75m
RUVU	14:47z	07Jun2023	0.92m
MSASANI	14:54z	07Jun2023	0.69m
BOMALANDNI	15:41z	07Jun2023	0.81m
WEST TO KONDE	15:44z	07Jun2023	0.95m

THAILAND

THAI MUEANG	07:32z	07Jun2023	8.63m
KO RACHA NOI	07:39z	07Jun2023	5.40m
KOH SURIN TAI	07:44z	07Jun2023	6.75m
KOH LANTA YAI	08:15z	07Jun2023	2.58m
THAI MUEANG_TAKUA PA	08:19z	07Jun2023	8.17m
KOH ROK	08:20z	07Jun2023	2.56m
MUEANG SATUN	08:25z	07Jun2023	2.48m
KOH TARUTAO	09:39z	07Jun2023	3.57m

UNITED KINGDOM

MORESBY ISLAND	09:34z	07Jun2023	4.20m
DIEGO GARCIA	09:38z	07Jun2023	3.02m
NW EGMONT ISLAND	09:57z	07Jun2023	2.33m

YEMEN

DAMQAWT	13:01z	07Jun2023	1.20m
AL GHAYDAH AIRPORT	13:08z	07Jun2023	1.33m
SOCOTRA ISLAND NORTH	13:14z	07Jun2023	1.23m
SOCOTRA ISLAND SOUTH	13:15z	07Jun2023	2.09m
HUSWAYN	13:18z	07Jun2023	1.45m
SOCOTRA ISLAND WEST	13:20z	07Jun2023	0.91m
ALQUMRAH	13:44z	07Jun2023	0.98m
MASILAH WADI	15:02z	07Jun2023	0.89m
HAMI	15:09z	07Jun2023	0.58m
HARRAH	15:14z	07Jun2023	0.58m
AL MUKALLA	15:49z	07Jun2023	0.73m

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/>

IOC Reference: ICG/IOTWMS/COMMS/ER/Jun23

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

6. CONTACT INFORMATION

IOTWMS-TSP INDONESIA:

THE AGENCY FOR METEOROLOGY CLIMATOLOGY AND GEOPHYSICS (BMKG)

InaTEWS - Indonesian Tsunami Early Warning System

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

Tel.: +62 (21) 4246321/6546316

Fax: +62 (21) 6546316/4246703

P.O. Box 3540 Jakarta

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

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

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

E-Mail: inartsp@bmkg.go.id

monitrtwp@bmkg.go.id

END OF BULLETIN

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

TSP INDONESIA Message 4

TEST TEST TEST TEST TEST CommTEST-Jun-2023 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Jun-2023 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20230607-0645-04

TSUNAMI BULLETIN NUMBER 4 (TYPE-IV FINAL BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0645 UTC, Jun 07, 2023

... 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 : 07 Jun 2023
Origin Time: 06:00:00 UTC
Latitude : 7.20N
Longitude : 92.90E
Location : Nicobar Islands, India Region

2. EVALUATION

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

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

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

3. TSUNAMI WAVE OBSERVATIONS

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

LOCATION	COUNTRIES	LAT	LON	AMPL(m)	TIME(UTC)	DATE
SABANG	INDONESIA	5.83N	95.33E	4.2	06:22	June 7, 2023
NANCOWRY	INDIA	8.05N	93.55E	5.1	06:28	June 7, 2023

4. ADVICE

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

5. UPDATES

No further bulletins will be issued by IOTWMS-TSP INDONESIA for this event unless

additional information becomes available.

Other IOTWMS-TSPs may issue additional information at:

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

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

6. CONTACT INFORMATION

IOTWS-TSP INDONESIA:

THE AGENCY FOR METEOROLOGY CLIMATOLOGY AND GEOPHYSICS (BMKG)

InaTEWS - Indonesian Tsunami Early Warning System

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

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Fax: +62 (21) 6546316/4246703

P.O. Box 3540 Jakarta

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

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

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

E-Mail: inartsp@bmkg.go.id

monitrtp@bmkg.go.id

END OF BULLETIN

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TEST TEST TEST TEST TEST CommTEST-Jun-2023 TEST TEST TEST TEST TEST TEST TEST