

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

Working Group 2 on Tsunami Detection, Warning, and Dissemination

27th IOTWMS Communications Test Report 12 June 2024

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1 PURPOSE

To report on the IOTWMS Communications Test conducted on 12 June 2024.

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	Conducted
28	11 December 2024	Planned
29	11 June 2025	Planned

Notes:

- a. 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.
- b. 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 12 June 2024 test are described in the document “IOTWMS Communications Test 12 June 2024 Technical Manual” distributed to NTWCs and TSPs by the ICG/IOTWMS Secretariat on 17 May 2024.

Test Earthquake Event Scenario:

Magnitude: 9.0 Mwp
 Depth: 10 km
 Date: 12 June 2024
 Origin Time: 06:00 UTC
 Latitude: 6.94S
 Longitude: 104.70E
 Location: Sunda Strait, Indonesia

As in previous tests, each participating country was requested to complete a Communications Test Log during the test, recording the time and method of reception of test messages at the NTWC, the NTWC's ability to access the TSP websites and TSP-Indonesia Warning Receiver System, and the time of the NTWC's reporting of national warning status information. 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

Twenty-one (21) IOTWMS Member States participated in the test. This represents a below average number of twenty-two (22) participating Member States across the 26 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, Bangladesh, Comoros, India, Indonesia, Iran, Kenya, Madagascar, Malaysia, Mauritius, Myanmar, Oman, Pakistan, Seychelles,

Singapore, South Africa, Sri Lanka, Thailand, Timor Leste, United Arab Emirates, Yemen.

France (Indian Ocean Territories), Maldives, Mozambique, and Tanzania 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.

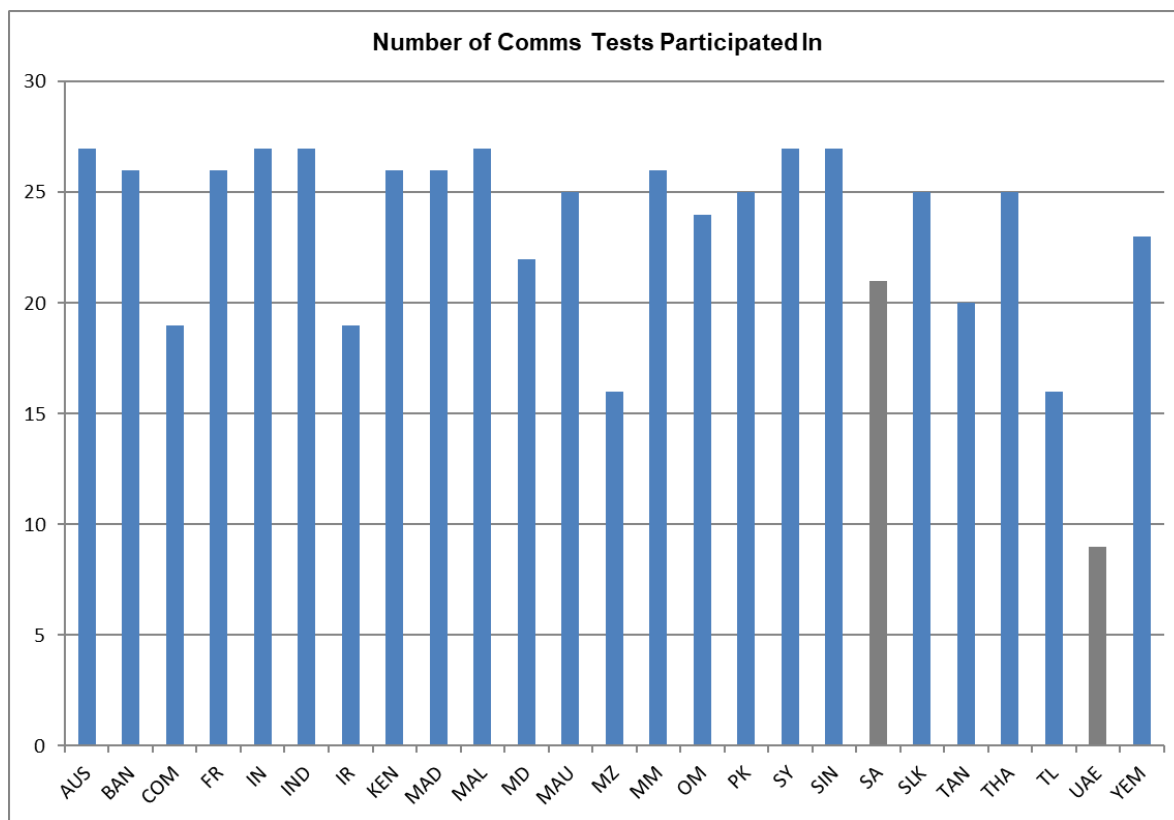
Table 1: Log of Member State Participation in all Tests

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	1	0	0	1	1		1	22
19	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	22
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	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
27	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	1	1	21
Total	27	26	19	26	27	27	19	26	26	27	22	25	16	26	24	25	27	27	21	25	20	25	16	9	23	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

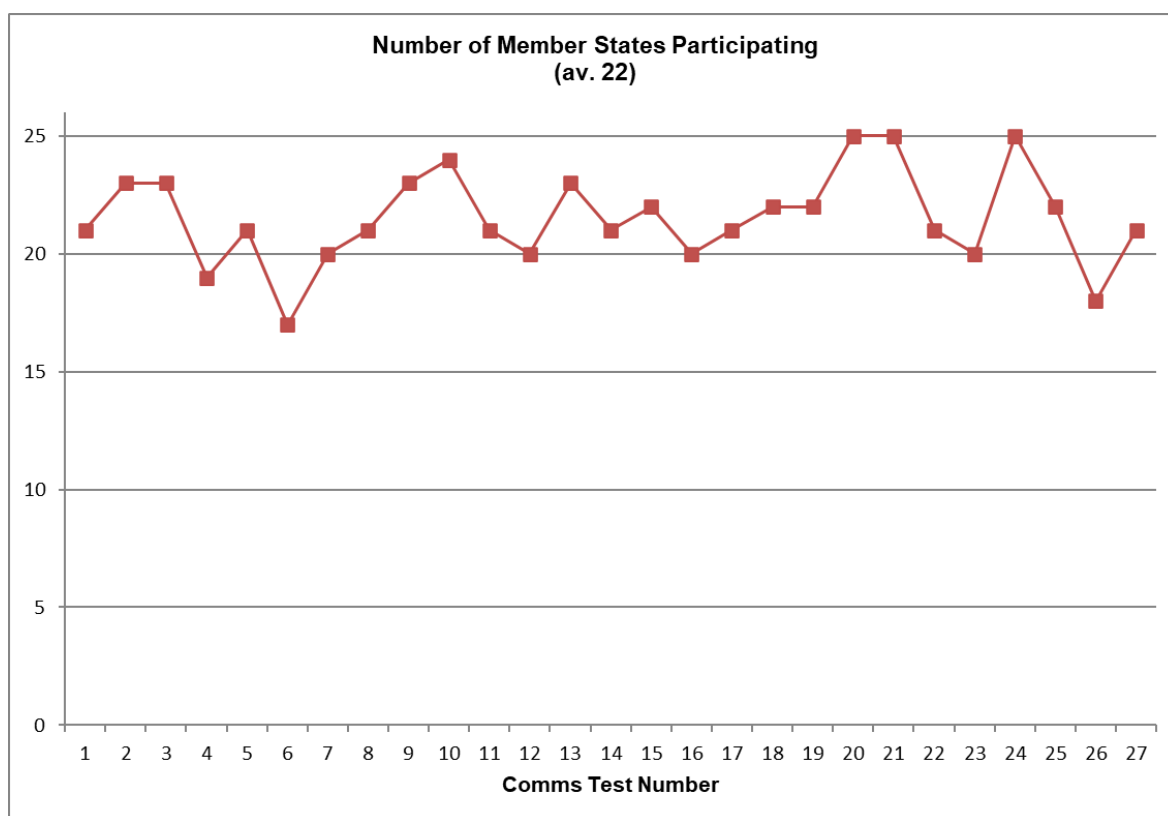
Chart 1: Number of Tests Participated in by Member State



SA=South Africa started participating during the 7th communication test.

UAE=United Arab Emirates started participating during the 19th communications test.

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	06:08	06:15	06:29	06:44
India	05:59	06:05	06:16	06:30	06:45
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 6 June 2024.

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 highest GST reception rate was 83% with an average rate of 82% across the three TSPs. This is higher than the previous communications test (75%).

Eighteen (16) of the 19 GTS-connected NTWCs received GTS messages. Bangladesh, Comoros, and Yemen did not receive or report, while Iran and Madagascar have opted out of the service.

GTS messages continue to be received promptly, with most received within 1-3 minutes of issuing. The longest delays were observed for Myanmar, taking 27 minutes to receive messages from TSP-India and 22 minutes to receive messages from TSP-Australia and TSP-Indonesia.

5.2.2 Fax

The overall highest fax reception rate was 20% with an average rate of 16% across the three TSPs. This is lower than the previous test fax reception rate of 23%.

In this test only seven (7) of the 16 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 3 NTWCs.

Fax message delay were mostly less than 5-10 minutes. However, the longest delay was 59 minutes for Myanmar to receive TSP Australia notification bulletin 4.

5.2.3 Email

This test's overall email reception rate was 89%, slightly lower than the past test (91%). It is very close to the average rate of 86%.

All eighteen (21) NTWCs received email notifications. Emails from TSP Australia were received by 19 NTWCs, emails from TSP India were received by 20 NTWCs, and emails from TSP Indonesia were received by 19 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 10 minutes for Pakistan to receive TSP India notification bulletin 1.

5.2.4 SMS

The overall SMS message reception rate in this test was 40%. This is slightly lower than the previous SMS reception rate of 41%.

In this test sixteen (16) of the 21 NTWCs received SMS messages. Comoros, Iran, Kenya, UAE and Yemen did not receive SMS messages from any TSP.

TSP Australia's SMS messages were received by 9 out of the 21 NTWCs, 9 NTWCs received TSP India's messages, and 10 NTWCs received TSP Indonesia's messages. The longest delay was 19 minutes for Thailand to receive TSP India's notification bulletin 2

6 WEB ACCESS AND REPORTING RESULTS

6.1 Web Access

Refer to Appendix E for a table of web accesses reported by each NTWC. In this test, the overall success rate of web access was 81%, the same as the previous test, and it was lower than the average rate of 82%.

Nineteen (19) of the 21 NTWCs could access at least one TSP website during the test. Comoros and Yemen did not report 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, 13 of the 21 NTWCs reported that they lodged web status reports. This rate is 62%, which is greater than the previous test.

6.3 TSP-Indonesia WRS Access

Refer to Appendix G for a table of TSP-Indonesia WRS access reported by each NTWC. In this test the TSP-Indonesia WRS access overall success rate was 81%, i.e., 17 out of 21 NTWCs. Myanmar and Yemen did not report if they accessed the TSP-Indonesia WRS during the test. Seychelles and South Africa reported that the TSP-Indonesia WRS was not accessible.

This is the sixth time the TSP-Indonesia WRS was used in communications tests. Bangladesh, Indonesia, and Mauritius provided positive feedback on TSP-Indonesia WRS. Oman commented that it was not working at first, but started functioning after 10 minutes.

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 reception was the most successful communication medium with 89% of the TSP email messages received by NTWCs in this test.
- GTS was the second most successful communication medium with 82% of TSP GTS messages being received by NTWCs in this test.
- SMS message reception was 40%. It has fallen in the last four tests and is below its average rate of 59%.
- Fax message reception was 16% 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 three 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 62%. This has increased over the last three tests and is very close to its average rate of 58%.

8 COMPARISON WITH PREVIOUS TESTS

The results of this test compared to previous tests are summarised in Table 3 and Charts 3 and 4 below.

Twenty-one (21) IOTWMS Member States participated in this 27th IOTWMS Communications Test. This test demonstrated the continuing strength of Email and GTS as the primary TSP delivery mechanism for notifying NTWCs of bulletin updates, followed by SMS and Fax.

Since June 2021, fax reception rates have been below 30% since and in this test was only 16%. IOC Circular Letter 3006 has notified Member States that the fax transmissions of tsunami information products by the Tsunami Service Providers will stop on 31 March 2025.

This is the sixth communications test in which the TSP Indonesia's WRS was tested. Seventeen NTWC's reported accessing the system and three 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 three communications tests. In this test, the webpage access was 81%, and the national warning status reporting was 62%. It is suggested that the online status reports be included 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

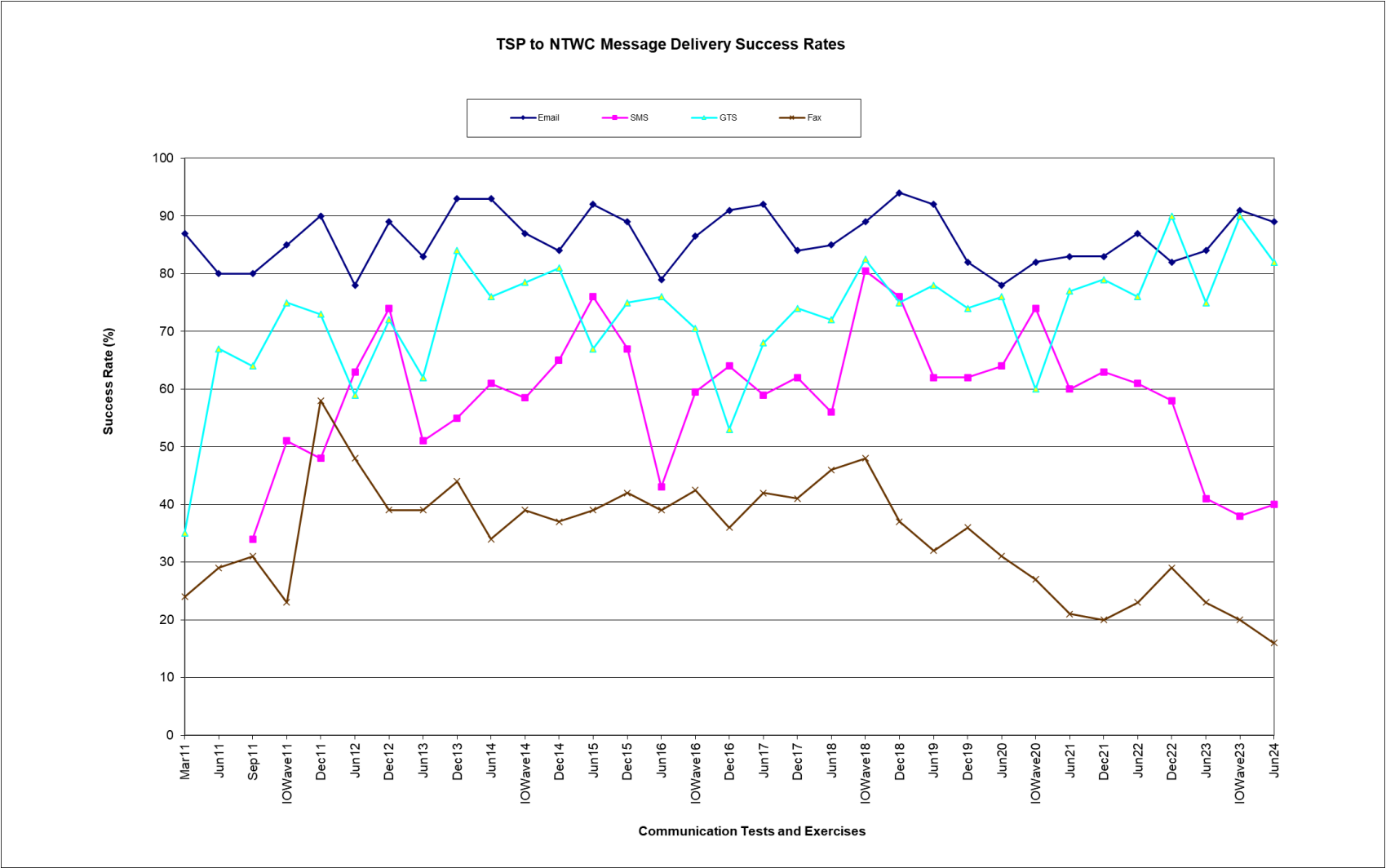
Test Date:	12-Jun-19 (22 NTWCs)		11-Dec-19 (25 NTWCs)		10-Jun-20 (25 NTWCs)		08-Dec-21 (21 NTWCs)		08-Jun-22 (25 NTWCs)		07-Dec-22 (22 NTWCs)		07-Jun-23 (18 NTWCs)		12-Jun-24 (21 NTWCs)	
Originating TSP	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)
Received GTS Messages																
Australia	76%	64	79%	6	76%	38	82%	16	78%	9	89%	28	83%	8	83%	22
India	80%	58	73%	6	76%	6	80%	27	74%	12	93%	28	59%	8	79%	27
Indonesia	76%	65	68%	19	75%	4	75%	35	76%	11	87%	27	83%	8	83%	22
TSP Average	78%	62	74%	10	76%	16	79%	26	76%	11	90%	28	75%	8	82%	24
Received Fax Messages																
Australia	50%	57	45%	39	43%	80	7%	27	19%	152	28%	44	25%	48	20%	59
India	30%	15	44%	38	36%	95	38%	9	30%	145	33%	307	27%	23	15%	18
Indonesia	15%	79	18%	8	12%	15	14%	32	21%	177	26%	46	17%	43	13%	33
TSP Average	32%	50	36%	28	31%	63	20%	23	23%	158	29%	132	23%	38	16%	37
Received Email Messages																
Australia	92%	37	84%	6	85%	15	93%	3	91%	6	85%	187	89%	12	89%	4
India	97%	26	82%	12	76%	14	90%	5	87%	44	88%	187	81%	6	91%	10
Indonesia	86%	58	79%	15	74%	4	70%	7	83%	10	73%	183	82%	7	86%	2
TSP Average	92%	40	82%	11	78%	11	83%	5	87%	20	82%	186	84%	8	89%	5
Received SMS Messages																
Australia	55%	11	61%	5	66%	15	69%	70	58%	6	55%	41	67%	10	43%	3
India	69%	96	58%	17	63%	34	59%	10	50%	8	50%	32	22%	2	35%	19
Indonesia	63%	15	68%	62	62%	15	61%	34	75%	16	68%	140	34%	76	41%	18
TSP Average	62%	41	62%	28	64%	21	63%	38	61%	10	58%	71	41%	19	40%	13
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	81%	n/a
India	67%	n/a	72%	n/a	78%	n/a	81%	n/a	58%	n/a	57%	n/a	71%	n/a	76%	n/a
Indonesia	76%	n/a	77%	n/a	84%	n/a	85%	n/a	76%	n/a	77%	n/a	89%	n/a	86%	n/a
TSP Average	71%		74%		79%		80%		68%		70%		81%		81%	
Lodged Web Status Reports																
	50%		58%		54%		75%		40%		45%		56%		62%	

Notes on Table 3:

4. 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.

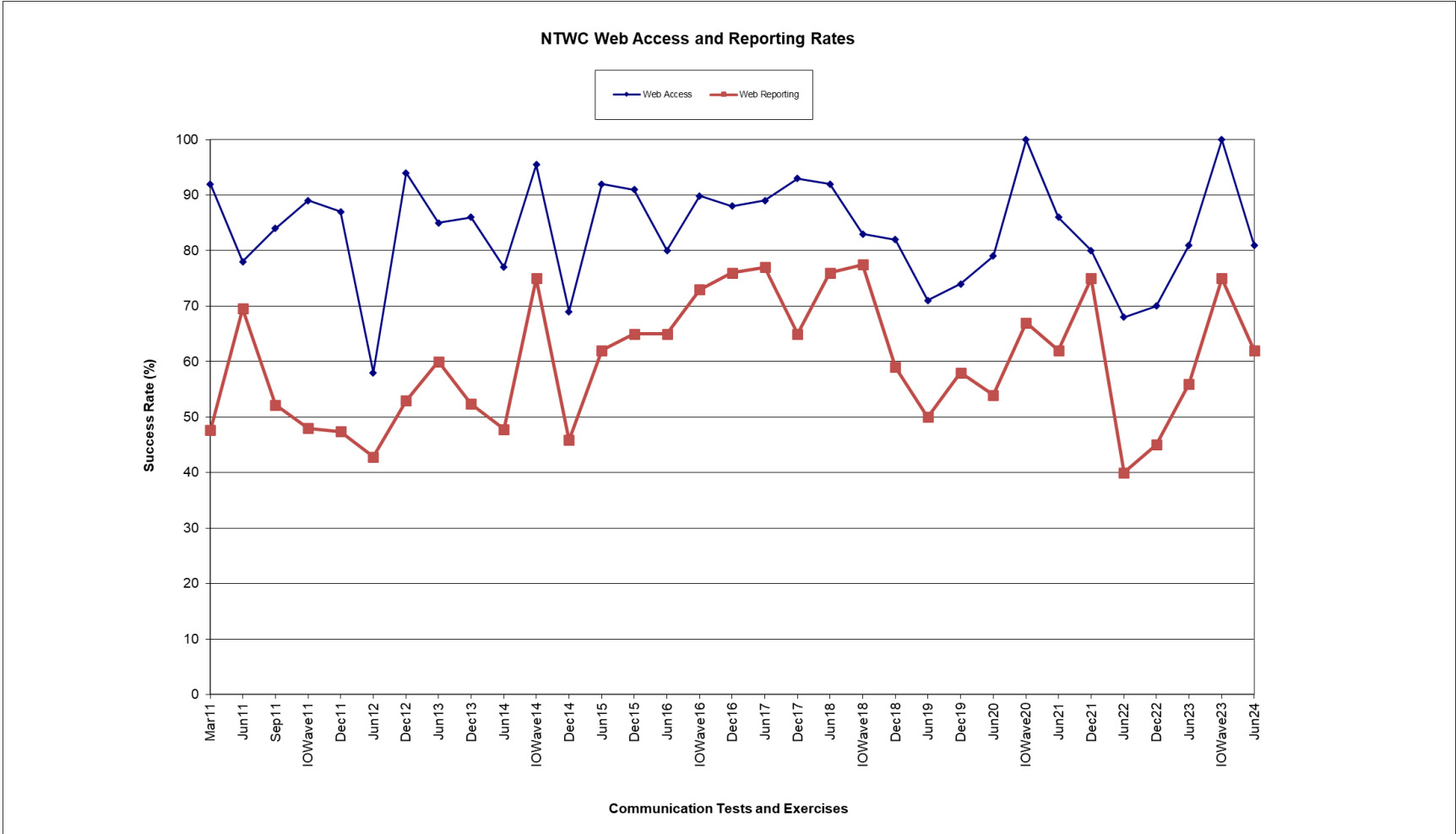
1. Max Delay" is the highest message delay reported across all NTWCs for each TSP's messages.
2. "-=" not issued in test
3. "n/a" = not applicable

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	BAN	COM	IN	IND	IR	KEN	MAD	MAL	MAU	MM	OM	PK	SY	SIN	SA	SLK	THA	TL	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	n/a	●	○	●	○	●	○	○	○	n/a	○	○
		INDIA	n/a	○	○	●	●	○	○	n/a	n/a	n/a	○	○	●	○	●	○	○	●	n/a	○	○
		INDONESIA	n/a	○	○	○	●	○	○	n/a	n/a	n/a	○	○	○	○	●	○	○	●	n/a	○	○
	Email	AUSTRALIA	●	○	●	●	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	○
		INDIA	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○
		INDONESIA	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○	○
	SMS	AUSTRALIA	●	○	○	●	○	○	○	○	●	○	○	●	●	○	●	○	●	●	○	○	○
		INDIA	●	○	○	●	●	○	○	●	○	●	○	○	●	●	○	○	●	●	○	○	○
		INDONESIA	●	●	○	○	●	○	○	○	○	○	●	●	●	○	●	●	○	●	●	○	○
Website	Access	AUSTRALIA	●	●	○	●	●	●	●	●	●	●	○	○	●	●	●	●	●	●	●	●	○
		INDIA	●	●	○	●	●	●	●	●	●	●	●	○	●	●	●	●	●	●	●	●	○
		INDONESIA	●	●	○	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○
	Report	Any TSP	●	○	○	●	●	○	○	●	○	●	●	●	●	●	●	●	●	○	○	●	○

AUS=Australia, BAN=Bangladesh, COM=Comoros, IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, THA=Thailand, TL=Timor Leste, 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	BAN	COM	IN	IND	IR	KEN	MAD	MAL	MAU	MM	OM	PK	SY	SIN	SA	SLK	THA	TL	UAE	YEM	Tot	%	Ave
AUSTRALIA	06:00 Test Start	06:00	-	-	06:00	05:59	n/a	06:00	n/a	06:00	06:00	06:02	06:00	06:00	06:00	06:00	06:01	06:00	06:00	-	06:00	-	15	79	
	06:05 Bulletin 1	06:08	-	-	06:08	06:07	n/a	06:05	n/a	06:08	06:08	06:09	06:05	06:08	06:08	06:08	06:08	06:08	06:10	06:08	06:08	-	16	84	
	06:15 Bulletin 2	06:15	-	-	06:15	06:15	n/a	06:16	n/a	06:15	06:15	06:16	06:15	06:15	06:15	06:15	06:16	06:15	06:16	06:15	06:15	-	16	84	
	06:30 Bulletin 3	06:30	-	-	06:30	06:29	n/a	06:30	n/a	06:30	06:30	06:31	06:30	06:30	06:30	06:30	06:31	06:30	06:31	06:30	06:30	-	16	84	
	06:45 Bulletin 4	06:45	-	-	06:45	06:44	n/a	06:45	n/a	06:45	06:45	07:07	06:45	06:45	06:45	06:45	06:46	06:45	06:46	06:45	06:45	-	16	84	83
INDIA	06:00 Test Start	06:00	-	-	06:00	05:59	n/a	06:00	n/a	06:00	05:59	06:03	06:00	06:00	05:59	05:59	06:00	06:00	06:09	-	06:00	-	15	79	
	06:05 Bulletin 1	06:05	-	-	06:05	06:04	n/a	06:05	n/a	06:05	06:05	06:08	06:05	06:05	06:05	06:05	06:05	06:05	06:10	-	06:05	-	15	79	
	06:15 Bulletin 2	06:17	-	-	06:17	06:16	n/a	06:16	n/a	06:17	06:17	06:20	06:17	06:17	06:16	06:16	06:17	06:17	06:18	-	06:17	-	15	79	
	06:30 Bulletin 3	06:31	-	-	06:31	06:30	n/a	06:30	n/a	06:31	06:31	06:34	06:31	06:31	06:30	06:30	06:31	06:31	06:31	-	06:31	-	15	79	
	06:45 Bulletin 4	06:45	-	-	06:46	06:45	n/a	06:46	n/a	06:45	06:46	07:12	06:45	06:45	06:45	06:45	06:45	06:45	06:47	-	06:46	-	15	79	79
INDONESIA	06:00 Test Start	06:00	-	-	06:00	06:00	n/a	06:00	n/a	06:00	06:00	06:00	06:00	06:00	06:00	06:00	06:01	06:00	06:02	-	06:00	-	15	79	
	06:05 Bulletin 1	06:05	-	-	06:06	06:05	n/a	06:05	n/a	06:05	06:05	06:07	06:05	06:05	06:05	06:05	06:06	06:05	06:06	06:06	06:05	-	16	84	
	06:15 Bulletin 2	06:15	-	-	06:15	06:14	n/a	06:15	n/a	06:15	06:15	06:16	06:15	06:15	06:15	06:15	06:15	06:15	06:17	06:15	06:15	-	16	84	
	06:30 Bulletin 3	06:30	-	-	06:31	06:30	n/a	06:31	n/a	06:30	06:30	06:31	06:30	06:30	06:30	06:30	06:31	06:30	06:32	06:30	06:30	-	16	84	
	06:45 Bulletin 4	06:45	-	-	06:45	06:44	n/a	06:45	n/a	06:45	06:45	07:07	06:45	06:45	06:45	06:45	06:45	06:45	06:46	06:45	06:45	-	16	84	83

AUS=Australia, BAN=Bangladesh, COM=Comoros, IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, THA=Thailand, TL=Timor Leste, 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 19
- "%" = percentage of NTWCs who received message
- Message(s) with maximum time delay for each TSP are highlighted in yellow. Highest overall delay = 27 minutes

Appendix B: Fax Messages Received by each NTWC

Bulletin No \ Country	AUS	BAN	COM	IN	IND	IR	KEN	MAD	MAL	MAU	MM	OM	PK	SY	SIN	SA	SLK	THA	TL	UAE	YEM	Tot	%	Ave
06:00 Test Start	n/a	-	-	-	06:15	-	-	n/a	n/a	n/a	06:09	-	06:07	-	06:00	-	-	-	n/a	-	-	4	25	
06:05 Bulletin 1	n/a	-	-	-	06:30	06:33	-	n/a	n/a	n/a	06:29	-	06:08	-	06:08	-	-	-	n/a	-	-	5	31	
06:15 Bulletin 2	n/a	-	-	-	-	-	-	n/a	n/a	n/a	06:58	-	06:28	-	06:15	-	-	-	n/a	-	-	3	19	
06:30 Bulletin 3	n/a	-	-	-	-	-	-	n/a	n/a	n/a	07:25	-	06:35	-	06:30	-	-	-	n/a	-	-	3	19	
06:45 Bulletin 4	n/a	-	-	-	-	-	-	n/a	n/a	n/a	07:44	-	-	-	-	-	-	-	n/a	-	-	1	6	20
06:00 Test Start	n/a	-	-	06:01	-	-	-	n/a	n/a	n/a	-	-	-	-	06:00	-	-	-	n/a	-	-	2	13	
06:05 Bulletin 1	n/a	-	-	06:05	06:23	-	-	n/a	n/a	n/a	-	-	06:18	-	-	-	-	06:01	n/a	-	-	4	25	
06:15 Bulletin 2	n/a	-	-	06:17	-	-	-	n/a	n/a	n/a	-	-	-	-	-	-	-	06:07	n/a	-	-	2	13	
06:30 Bulletin 3	n/a	-	-	06:32	-	-	-	n/a	n/a	n/a	-	-	-	-	-	-	-	06:22	n/a	-	-	2	13	
06:45 Bulletin 4	n/a	-	-	06:47	-	-	-	n/a	n/a	n/a	-	-	-	-	-	-	-	06:28	n/a	-	-	2	13	15
06:00 Test Start	n/a	-	-	-	06:00	-	-	n/a	n/a	n/a	-	-	-	-	-	-	-	-	n/a	-	-	1	6	
06:05 Bulletin 1	n/a	-	-	-	06:05	-	-	n/a	n/a	n/a	-	-	-	-	06:05	-	-	06:37	n/a	-	-	3	19	
06:15 Bulletin 2	n/a	-	-	-	06:15	-	-	n/a	n/a	n/a	-	-	-	-	06:15	-	-	06:48	n/a	-	-	3	19	
06:30 Bulletin 3	n/a	-	-	-	06:30	-	-	n/a	n/a	n/a	-	-	-	-	06:30	-	-	-	n/a	-	-	2	13	
06:45 Bulletin 4	n/a	-	-	-	06:45	-	-	n/a	n/a	n/a	-	-	-	-	-	-	-	-	n/a	-	-	1	6	13

AUS=Australia, BAN=Bangladesh, COM=Comoros, IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, THA=Thailand, TL=Timor Leste, UAE=United Arab Emirates, YEM=Yemen

Notes:

- = message not received or not reported
- n/a = Not applicable. Australia, Malaysia, Mauritius and Timor Leste have opted out of the fax service.
- "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 = 59 minutes
- Kenya advised that their fax reception was not functional for this test.

Appendix C: Email Messages Received by each NTWC

	Bulletin No \ Country	AUS	BAN	COM	IN	IND	IR	KEN	MAD	MAL	MAU	MM	OM	PK	SY	SIN	SA	SLK	THA	TL	UAE	YEM	Tot	%	Ave
AUSTRALIA	06:00 Test Start	06:01	-	06:00	06:00	06:00	06:01	-	06:00	06:00	06:00	06:00	06:00	06:00	06:00	06:01	06:01	06:00	-	06:00	06:00	06:03	18	86	
	06:05 Bulletin 1	06:08	-	06:08	06:08	06:08	06:08	-	06:08	06:08	06:08	06:08	06:08	06:09	06:08	06:09	06:08	06:08	-	06:08	06:08	06:08	18	86	
	06:15 Bulletin 2	06:16	-	06:15	06:15	06:15	06:16	-	06:15	06:15	06:15	06:15	06:15	06:15	06:16	06:16	06:16	06:15	06:15	06:15	06:15	06:18	19	90	
	06:30 Bulletin 3	06:31	-	06:31	06:31	06:30	06:30	-	06:30	06:31	06:31	06:30	06:30	06:31	06:31	06:32	06:31	06:30	06:31	06:30	06:31	06:35	19	90	
	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	06:46	06:46	06:45	06:45	06:45	06:45	06:48	19	90	89
INDIA	06:00 Test Start	06:02	06:00	06:00	06:00	06:00	06:00	06:00	06:00	06:00	06:05	-	06:00	06:00	06:00	06:00	06:00	06:00	06:00	-	06:00	-	18	86	
	06:05 Bulletin 1	06:06	06:05	06:05	06:05	06:05	06:05	06:05	06:05	06:05	06:05	06:05	06:05	06:05	06:15	06:06	06:05	06:05	06:05	06:05	06:05	06:05	20	95	
	06:15 Bulletin 2	06:17	06:16	06:17	06:16	06:17	06:17	06:17	06:15	06:17	06:17	06:16	06:17	06:17	06:17	06:17	06:17	06:17	06:17	06:16	06:17	-	20	95	
	06:30 Bulletin 3	06:31	06:30	06:30	06:30	06:30	06:31	06:31	06:30	06:30	06:30	06:30	06:31	06:30	06:30	06:31	06:31	06:31	06:30	06:30	06:30	-	20	95	
	06:45 Bulletin 4	06:46	06:46	06:45	06:45	06:45	06:45	-	06:45	06:45	06:45	06:45	06:45	06:45	06:45	06:46	06:45	06:45	06:45	06:45	-	-	18	86	91
INDONESIA	06:00 Test Start	06:02	06:00	06:00	06:00	06:00	06:02	06:00	06:00	06:00	06:01	06:00	06:00	06:00	06:01	06:00	06:01	06:01	06:00	06:00	-	-	18	86	
	06:05 Bulletin 1	06:06	06:05	06:05	06:05	06:05	06:06	06:05	06:05	06:05	06:05	06:05	06:05	06:05	06:05	06:06	06:06	06:05	06:05	06:05	-	-	18	86	
	06:15 Bulletin 2	06:15	06:15	06:15	06:15	06:15	06:16	06:15	06:15	06:15	06:15	06:15	06:15	06:15	06:15	06:16	06:15	06:15	06:15	06:15	-	-	18	86	
	06:30 Bulletin 3	06:31	06:30	06:30	06:30	06:30	06:31	06:30	06:30	06:30	06:30	06:30	06:30	06:30	06:30	06:31	06:31	06:30	06:30	06:30	-	-	18	86	
	06:45 Bulletin 4	06:45	06:45	06:45	06:45	06:45	06:45	06:45	06:45	06:45	06:45	06:45	06:45	06:45	06:45	06:46	06:45	06:45	06:45	06:45	-	-	18	86	86

AUS=Australia, BAN=Bangladesh, COM=Comoros, IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, THA=Thailand, TL=Timor Leste, UAE=United Arab Emirates, YEM=Yemen

Notes:

- = message not received or not reported.
- "Tot" = number of NTWCs who received message, out of 21
- "%" = percentage of NTWCs who received message
- Message(s) with maximum time delay for each TSP highlighted in yellow. Highest overall delay = 10 minutes

Appendix D: SMS Messages Received by each NTWC

	Bulletin No \ Country	AUS	BAN	COM	IN	IND	IR	KEN	MAD	MAL	MAU	MM	OM	PK	SY	SIN	SA	SLK	THA	TL	UAE	YEM	Tot	%	Ave
AUSTRALIA	06:00 Test Start	06:00	-	-	06:00	-	-	-	-	05:59	-	-	06:00	06:00	06:00	06:00	-	06:00	06:00	-	-	-	9	43	
	06:05 Bulletin 1	06:08	-	-	06:08	-	-	-	-	06:07	-	-	06:08	06:08	06:08	06:08	-	06:08	06:06	-	-	-	9	43	
	06:15 Bulletin 2	06:15	-	-	06:15	-	-	-	-	06:15	-	-	06:15	06:15	06:15	06:15	-	06:15	06:15	-	-	-	9	43	
	06:30 Bulletin 3	06:30	-	-	06:30	-	-	-	-	06:30	-	-	06:30	06:30	06:30	06:30	-	06:30	06:30	-	-	-	9	43	
	06:45 Bulletin 4	06:45	-	-	06:45	-	-	-	-	06:45	-	-	06:45	06:45	06:45	06:45	-	06:45	06:45	-	-	-	9	43	43
INDIA	06:00 Test Start	06:04	-	-	06:00	06:04	-	-	06:03	-	06:04	-	-	06:04	06:04	-	-	06:04	06:01	-	-	-	9	43	
	06:05 Bulletin 1	-	-	-	06:05	06:08	-	-	06:09	-	06:08	-	-	06:08	06:08	-	-	06:09	-	-	-	-	7	33	
	06:15 Bulletin 2	-	-	-	06:17	06:18	-	-	06:20	-	06:18	-	-	06:18	06:18	-	-	06:18	06:34	-	-	-	8	38	
	06:30 Bulletin 3	-	-	-	06:31	06:31	-	-	06:32	-	06:31	-	-	06:31	06:31	-	-	06:31	-	-	-	-	7	33	
	06:45 Bulletin 4	-	-	-	06:46	06:46	-	-	06:46	-	-	-	-	06:45	06:46	-	-	06:46	-	-	-	-	6	29	35
INDONESIA	06:00 Test Start	06:08	06:07	-	-	06:05	-	-	-	-	-	06:04	06:04	Yes	-	06:09	06:06	-	06:00	06:09	-	-	10	48	
	06:05 Bulletin 1	06:22	06:08	-	-	06:15	-	-	-	-	-	-	06:23	Yes	-	06:21	-	-	06:05	06:20	-	-	8	38	
	06:15 Bulletin 2	06:34	06:17	-	-	06:29	-	-	-	-	-	-	06:32	Yes	-	06:33	-	-	06:27	06:32	-	-	8	38	
	06:30 Bulletin 3	06:42	06:33	-	-	06:39	-	-	-	-	-	-	06:43	Yes	-	06:47	-	-	06:43	06:43	-	-	8	38	
	06:45 Bulletin 4	06:56	06:47	-	-	06:49	-	-	-	-	-	06:57	06:54	Yes	-	06:53	-	-	06:53	06:54	-	-	9	43	41

AUS=Australia, BAN=Bangladesh, COM=Comoros, IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, THA=Thailand, TL=Timor Leste, UAE=United Arab Emirates, YEM=Yemen

Notes:

- = message not received or not reported
- "Tot" = number of NTWCs who received message, out of 21
- "%" = percentage of NTWCs who received message
- Message(s) with maximum time delay for each TSP highlighted in yellow. Highest overall delay = 18 minutes

Appendix E: Web Access by each NTWC

	Bulletin No \ Country	AUS	BAN	COM	IN	IND	IR	KEN	MAD	MAL	MAU	MM	OM	PK	SY	SIN	SA	SLK	THA	TL	UAE	YEM	Tot	%	Ave
AUSTRALIA	06:05 Bulletin 1	1	1	-	1	1	1	1	1	1	1	-	0	1	1	1	1	1	1	1	1	-	17	81	
	06:15 Bulletin 2	1	1	-	1	1	1	1	1	1	1	-	0	1	1	1	1	1	1	1	1	-	17	81	
	06:30 Bulletin 3	1	1	-	1	1	1	1	1	1	1	-	0	1	1	1	1	1	1	1	1	-	17	81	
	06:45 Bulletin 4	1	1	-	1	1	1	1	1	1	1	-	0	1	1	1	1	1	1	1	1	-	17	81	81
INDIA	06:05 Bulletin 1	1	1	-	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	-	17	81	
	06:15 Bulletin 2	1	1	-	1	1	1	1	1	1	1	-	0	0	1	1	1	1	0	1	1	-	15	71	
	06:30 Bulletin 3	1	1	-	1	1	1	1	1	1	1	-	0	1	1	1	1	1	0	1	1	-	16	76	
	06:45 Bulletin 4	1	1	-	1	1	1	1	1	1	1	-	0	1	1	1	1	1	0	1	1	-	16	76	76
INDONESIA	06:05 Bulletin 1	1	1	-	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	18	86	
	06:15 Bulletin 2	1	1	-	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	18	86	
	06:30 Bulletin 3	1	1	-	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	18	86	
	06:45 Bulletin 4	1	1	-	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	18	86	86

AUS=Australia, BAN=Bangladesh, COM=Comoros, IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, THA=Thailand, TL=Timor Leste, UAE=United Arab Emirates, YEM=Yemen

Notes:

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

Appendix F: Web Status Reports lodged by each NTWC

TSP	% NTWCs reporting (out of 21)	Number of NTWCs	AUS	BAN	COM	IN	IND	IR	KEN	MAD	MAL	MAU	MM	OM	PK	SY	SIN	SA	SLK	THA	TL	UAE	YEM
Australia	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
India	57%	12	1	0	0	1	1	0	0	1	0	1	1	1	1	1	0	1	1	0	0	1	0
Indonesia	5%	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Any TSP	62%	13	1	0	0	1	1	0	0	1	0	1	1	1	1	1	1	1	1	0	0	1	0

AUS=Australia, BAN=Bangladesh, COM=Comoros, IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, THA=Thailand, TL=Timor Leste, 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 12 2024 11:50:11 ISTWed Jun 12 2024 06:20:11 UTC

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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 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	Threat Level 1	Madagascar is under threat T1 2024 06 12 14:00:30 at TOAMASINAIRPORT	Bernardo	Wed Jun 12 2024 09:19:49 GMT+0300 (heure normale d'Afrique de l'Est)
Malaysia	-	-	-	-
Maldives	-	-	-	-
Mauritius	Threat Level 1	TEST TEST TEST Earthquake information bulletin has been issued to the National Disaster Risk Reduction Centre of Mauritius TEST TEST TEST	Mauritius Meteorological Services	Wed Jun 12 2024 10:19:21 GMT+0400 (Mauritius Standard Time)
Mozambique	-	-	-	-
Myanmar	Threat Level 0	NTWC, Myanmar will issue Earthquake News.	NTWC	Wed Jun 12 2024 12:37:03 GMT+0630 (Myanmar Time)
Oman	-	-	-	-
Pakistan	Threat Level 2	TSUNAMI BULLETIN 02issued at 11:15:00 PSTNational Tsunami Warning Centre (NTWC) of Pakistan Meteorological Department has recorded an Earthquake with the following preliminary seismological parameters:Earthquake Originated on 12 06 2024at 11:05 PSTMagnitude: 9.0 MwDepth: 10kmDate: 12 June 2024Origin Time: 0600 UTCLatitude: 6.94SLongitude: 104.70ELocation: Sunda Strait, IndonesiaPak.Met.DeptEVALUATION: It has not been confirmed whether Tsunami has been generated or not. However, Based on historical earthquake and tsunami data a destructive widespread Tsunami threat does not exist SIMULATION RESULTS:Estimated initial tsunami wave arrival times and wave heights, at the various locations are given below. However, actual arrival times and wave heights may differ.CITY NAME ARRIVAL TIME (UTC) WAVES HEIGHT (meters) OBSERVATION OF TSUNAMI ACTIVITYSea level observations indicate that a tsunami has been generated. Arrival times and wave heights, as observed at tide gauge locations, are given below.GAUGE LOCATION LAT LON TIMEAMPL. PER N E UTC m ft minPASNI PK 25.40 63.48 0125Z 4.0M 13.1FT 17MINLAT LATTITUDE (N NORTH, S SOUTH) LON LONGITUDE (E EAST, W WEST) TIME TIME OF THE MEASUREMENT (Z IS UTC IS GREENWICH TIME) AMPL. TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL IT IS .NOT.. CREST TO TROUGH WAVE HEIGHT.VALUES ARE GIVEN IN BOTH METERS (M) AND FEET (FT) .PER PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT Sd Duty Seismologist	AMEER HYDER	Wed Jun 12 2024 11:16:14 GMT+0500 (Pakistan Standard Time)
Seychelles	-	-	-	-
Singapore	-	-	-	-
Somalia	-	-	-	-
South Africa	Threat Level 1		Kevin Rae	Wed Jun 12 2024 08:17:15 GMT+0200 (South Africa Standard Time)
Sri Lanka	-	-	-	-
Tanzania	-	-	-	-
Thailand	-	-	-	-
Timor-Leste	-	-	-	-
UAE	Threat Level 0		NTWC	Wed Jun 12 2024 10:18:50 GMT+0400 (Gulf Standard Time)
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

Wed Jun 12 2024 11:58:52 IST

Wed, 12 Jun 2024 06:28:52 UTC

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

Legend

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

Show 50 rows ▼ entries

Search:

Country ▲	Threat Status	Comments	Sender	Sender Time
Australia	Threat Level 1	ATWS National Watch issued. Potential threat for WA, VIC, SA, TAS, and Christmas, Cocos, and Macquarie Islands.	Robert Greenwood	Wed Jun 12 2024 16:21:08 GMT+1000 (Australian Eastern Standard Time)
Bangladesh	-	-	-	-
Comoros	-	-	-	-
Djibouti	-	-	-	-
France (Indian Ocean Territories)	-	-	-	-
India	Threat Level 2	As part of exercise, Tsunami Threat for India for the Sunda Strait event	ITEWC	Wed Jun 12 2024 11:51:37 GMT+0530 (India Standard Time)
Indonesia	Threat Level 3	Earth shaking was strong the citizen rush to safe zone in all potentially tsunami area.	BMKG, Dwity, Indonesia	Wed Jun 12 2024 13:22:20 GMT+0700 (Western Indonesia Time)
Iran	-	-	-	-
Kenya	-	-	-	-
Madagascar	Threat Level 1	Madagascar is under threat T1 2024 06 12 14:00:30 at TOAMASINA AIRPORT	Bernardo	Wed Jun 12 2024 09:18:49 GMT+0300 (heure normale d'Afrique de l'Est)
Malaysia	-	-	-	-
Maldives	-	-	-	-
Mauritius	Threat Level 2	TEST TEST TEST Tsunami Watch Bulletin issued for Mauritius, Rodrigues, St Brandon and Agalega islands TEST TEST TEST NDRRMC, Outer Islands Cooperation, St Brandon and Agalega and Offshore Meteorological Bureau all informed via phone and satellite. Watch Bulletin disseminated to all stakeholders as per list.	Dr P Boonewardy Ag D MMS	Wed Jun 12 2024 10:27:37 GMT+0400 (Mauritius Standard Time)
Mozambique	-	-	-	-
Myanmar	Threat Level 0	No Tsunami Warning required.	NTWC	Wed Jun 12 2024 12:49:33 GMT+0630 (Myanmar Time)
Oman	Threat Level 2	Alert to stay away from the beach	Mohammed Al madhani	Wed Jun 12 2024 10:20:34 GMT+0400
Pakistan	Threat Level 2	TSUNAMI BULLETIN Q2issued at 11:15:00 PSTNational Tsunami Warning Centre (NTWC) of Pakistan Meteorological Department has recorded an Earthquake with the following preliminary seismological parameters:Earthquake Originated on 12 06 2024at 11:05 PSTMagnitude: 9.0 MwDepth: 10kmDate: 12 June 2024Origin Time: 0600 UTCLatitude: 6.94SLongitude: 104.70ELocation: Sunda Strait, IndonesiaPak.Met.DeptEVALUATION: It has not been confirmed whether Tsunami has been generated or not. However, Based on historical earthquake and tsunami data a destructive widespread Tsunami threat does not exist.SIMULATION RESULTS:Estimated initial tsunami wave arrival times and wave heights, at the various locations are given below. However, actual arrival times and wave heights may differ.CITY NAME ARRIVAL TIME (UTC) WAVES HEIGHT (meters) OBSERVATION OF TSUNAMI ACTIVITYSaa level observations indicate that a tsunami has been generated. Arrival times and wave heights, as observed at tide gauge locations, are given below.GAUGE LOCATION LAT LON TIMEAMPL PER N E UTC in ft minPASNI PK 25.40 63.48 0125Z 4.0M 13.1FT 17MINLATITUDE (N NORTH, S SOUTH) LON LONGITUDE (E EAST, W WEST) TIME TIME OF THE MEASUREMENT (Z IS UTC IS GREENWICH TIME) AMPL. TSUNAMI AMPITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL IT IS , NOT., CREST TO TROUGH WAVE HEIGHTVALUES ARE GIVEN IN BOTH METERS (M) AND FEET (FT) .PER PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT Sd Duty Seismologist	AMEER HYDER	Wed Jun 12 2024 11:16:14 GMT+0500 (Pakistan Standard Time)
Seychelles	-	-	-	-
Singapore	-	-	-	-
Somalia	-	-	-	-
South Africa	Threat Level 1		Kevin Rao	Wed Jun 12 2024 08:17:15 GMT+0200 (South Africa Standard Time)
Sri Lanka	Threat Level 1	Communication test message received.	NTWC Sri Lanka	Wed Jun 12 2024 11:52:24 GMT+0530 (India Standard Time)
Tanzania	-	-	-	-
Thailand	-	-	-	-
Timor-Leste	-	-	-	-
UAE	Threat Level 0		NTWC	Wed Jun 12 2024 10:18:50 GMT+0400 (Gulf Standard Time)
UK (Indian Ocean Territories)	-	-	-	-
Yemen	-	-	-	-

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

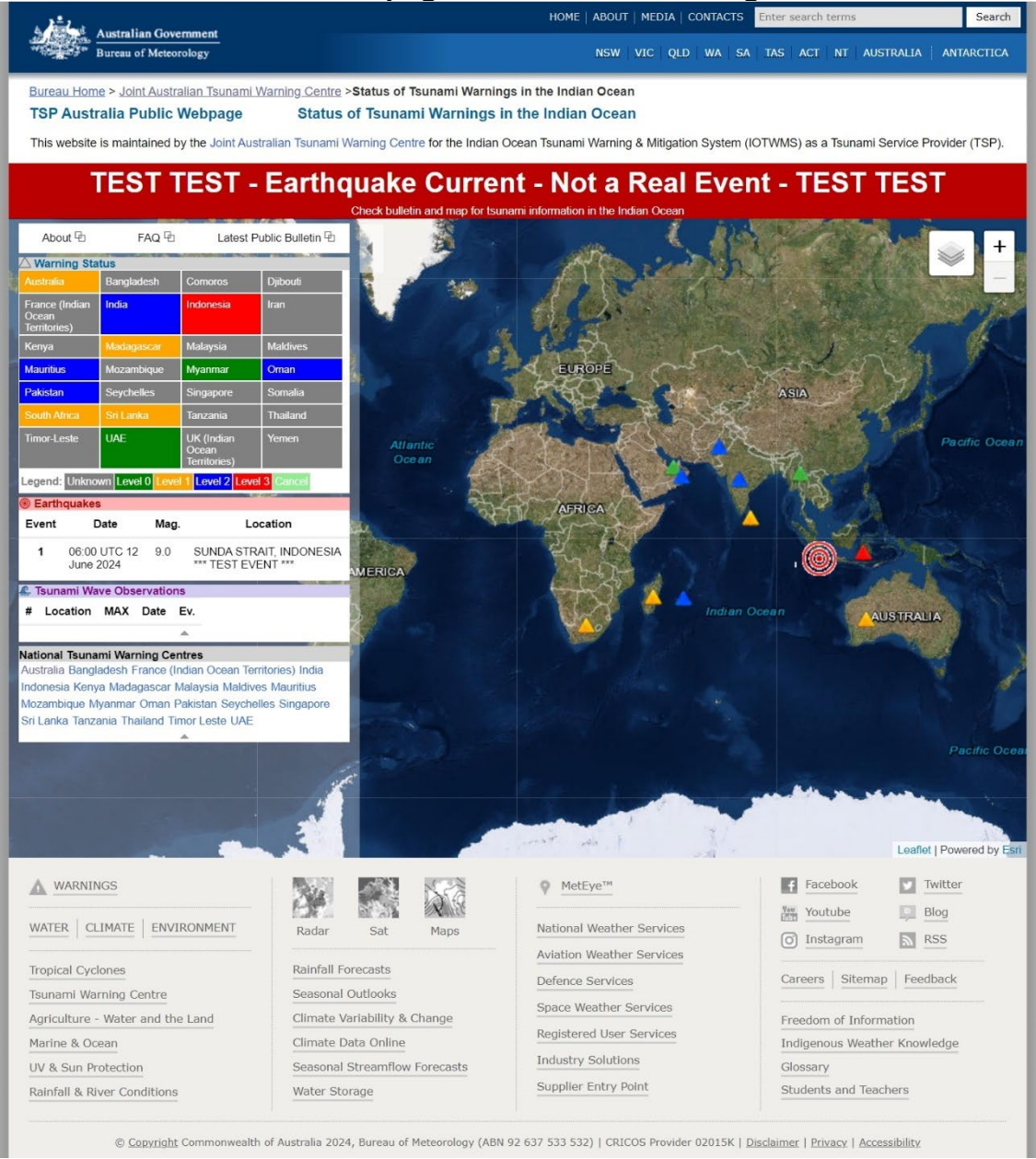


Figure 3a: TSP India NTWC Status Display Webpage after 3rd Test Message
The webpage snapshot at 06:43 UTC

Wed Jun 12 2024 12:13:09 IST

Wed, 12 Jun 2024 06:43:09 UTC

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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	Threat Level 3	ATWS Land Threats Issued for Cocos Island, Christmas Island, and parts of WA. Marine threat issued for parts of WA, SA, VIC, TAS, Macquarie Island, and Antarctic Stations.	Robert Greenwood	Wed Jun 12 2024 16:33:51 GMT+1000 (Australian Eastern Standard Time)
Bangladesh	-	-	-	-
Comoros	-	-	-	-
Djibouti	-	-	-	-
France (Indian Ocean Territories)	-	-	-	-
India	Threat Level 2	Tsunami Threat for East coast of India and Andaman & Nicobar Islands	ITEWC	Wed Jun 12 2024 12:04:38 GMT+0530 (India Standard Time)
Indonesia	Threat Level 3	Very strong tide current and ocolations in Enggano, Bengkulu. The community has been evacuated to a safe place and is still waiting for information updates.	BMKG, Dwily, Indonesia	Wed Jun 12 2024 13:33:49 GMT+0700 (Western Indonesia Time)
Iran	-	-	-	-
Kenya	-	-	-	-
Madagascar	Threat Level 1	Madagascar under threat T1: 12 Jun 2024 14:24 Toamasina Airport	Bernardo	Wed Jun 12 2024 09:36:05 GMT+0300 (heure normale dâ€™Afrique de l’Est)
Malaysia	-	-	-	-
Maldives	-	-	-	-
Mauritius	Threat Level 3	TEST TEST TEST Tsunami Warning Issued TEST TEST TEST Evacuation of coastal areas in progress.	Dr P Booneeady, Ag D MMS	Wed Jun 12 2024 10:11:56 GMT+0400 (Mauritius Standard Time)
Mozambique	-	-	-	-
Myanmar	Threat Level 0	No Tsunami Warning required.	NTWC	Wed Jun 12 2024 13:00:50 GMT+0630 (Myanmar Time)
Oman	Threat Level 2	Alert stay away from the beach	Mohammed Al madhani	Wed Jun 12 2024 10:38:16 GMT+0400
Pakistan	Threat Level 3	TSUNAMI BULLETIN 03Issued at 11:30:00 PSTNational Tsunami Warning Centre (NTWC) of Pakistan Meteorological Department has recorded an Earthquake with the following preliminary seismological parameters:Earthquake Originated on 12 06 2024at 11:05 PSTMagnitude: 9.0 MwDepth: 10 kmDate: 12 June 2024Origin Time: 0600 UTCLatitude: 6.94SLongitude: 104.70ELocation: Sunda Strait, IndonesiaPak.Met.DeptOBSERVATION OF TSUNAMI ACTIVITY:Sea level observations indicate that a tsunami has been generated. Arrival times and wave heights, as observed at tide gauge locations, are given below GAUGE LOCATION LAT LON TIMEAMPL PER N E UTC m ft minPASNI PK 25.40 63.48 0125Z 4.0M 13.1FT 17MINORMARA PK 25.42 64.62 0125Z 4.0M 13.1FT 17MINSd Duty Seismologist	AMEER HYDER	Wed Jun 12 2024 11:30:14 GMT+0500 (Pakistan Standard Time)
Seychelles	-	-	-	-
Singapore	-	-	-	-
Somalia	-	-	-	-
South Africa	Threat Level 1		Kevin Rao	Wed Jun 12 2024 08:17:15 GMT+0200 (South Africa Standard Time)
Sri Lanka	Threat Level 1	Communication test message received.	NTWC Sri Lanka	Wed Jun 12 2024 11:52:24 GMT+0530 (India Standard Time)
Tanzania	-	-	-	-
Thailand	-	-	-	-
Timor-Leste	-	-	-	-
UAE	Threat Level 0	B3 (No Threat In UAE)	NTWC	Wed Jun 12 2024 10:36:15 GMT+0400 (Gulf Standard Time)
UK (Indian Ocean Territories)	-	-	-	-
Yemen	-	-	-	-

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

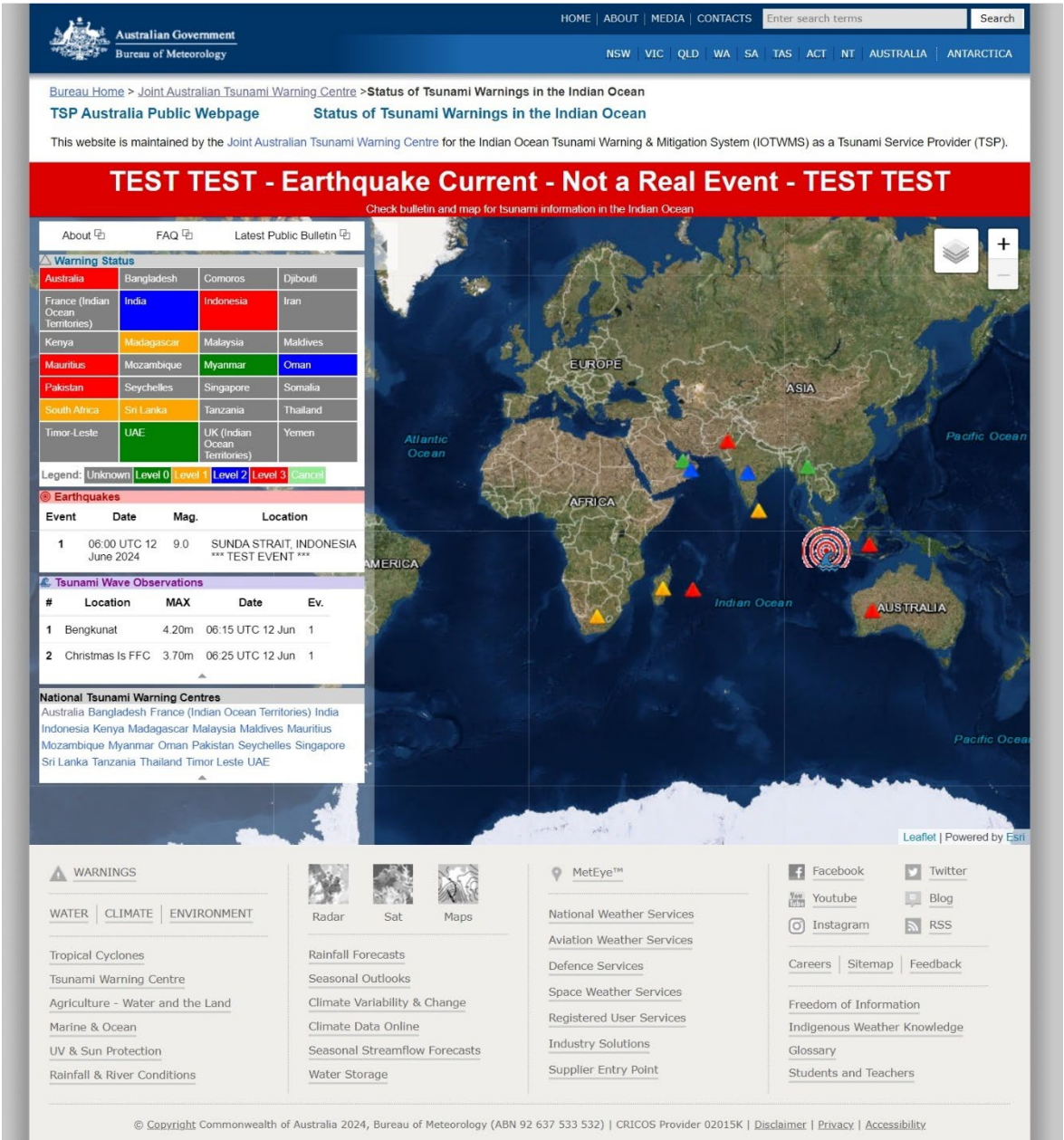


Figure 4a: TSP India NTWC Status Display Webpage after 4th Test Message (final)
The webpage snapshot at 09:16 UTC

Wed Jun 12 2024 12:28:59 IST

Wed, 12 Jun 2024 06:58:59 UTC

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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.	ATWS Cancellations issued for all affected states and territories.	Robert Greenwood	Wed Jun 12 2024 16:48:07 GMT+1000 (Australian Eastern Standard Time)
Bangladesh	-	-	-	-
Comoros	-	-	-	-
Djibouti	-	-	-	-
France (Indian Ocean Territories)	-	-	-	-
India	CANCELLATION/ALL CLEAR.	India issued all clear information in connection with Communication Test.	ITEWC	Wed Jun 12 2024 12:25:48 GMT+0530 (India Standard Time)
Indonesia	CANCELLATION/ALL CLEAR.	Tsunami warning is cancelled.	BMKG, Dwily, Indonesia	Wed Jun 12 2024 13:45:55 GMT+0700 (Western Indonesia Time)
Iran	Threat Level 0	based on the tsunami threat map, no threat was found to Iranian coasts.	Majid Noranian	Wed Jun 12 2024 10:20:01 GMT+0330 (Iran Standard Time)
Kenya	-	-	-	-
Madagascar	CANCELLATION/ALL CLEAR.	Final bulletin	Bernardo	Wed Jun 12 2024 09:48:26 GMT+0300 (heure normale dâAfrique de lâEst)
Malaysia	-	-	-	-
Maldives	-	-	-	-
Mauritius	CANCELLATION/ALL CLEAR.	TEST TEST TEST Tsunami Warning still in force TEST TEST TEST Northern, Eastern and Southern coastal areas have been evacuated. Tsunami waves have inundated these coastal areas and are now weakening. However, seagoers and sea activities are still advised not to venture at sea for next 12 hours because of strong currents likely.	Dr P. Booneedy, Ag D MMS	Wed Jun 12 2024 10:50:25 GMT+0400 (Mauritius Standard Time)
Mozambique	-	-	-	-
Myanmar	Threat Level 0	No Tsunami Warning required.	NTWC	Wed Jun 12 2024 13:16:18 GMT+0630 (Myanmar Time)
Oman	CANCELLATION/ALL CLEAR.	cancellation	Mohammed Al madhani	Wed Jun 12 2024 10:55:00 GMT+0400
Pakistan	CANCELLATION/ALL CLEAR.	TSUNAMI BULLETIN 04Issued at 11:45:00 PSTNational Tsunami Warning Centre (NTWC) of Pakistan Meteorological Department has recorded an Earthquake with the following preliminary seismological parameters:Earthquake Originated on 12 06 2024at 11:05 PSTMagnitude: 9.0 MwDepth: 10kmDate: 12 June 2024Origin Time: 0600 UTCLatitude: 6.94SLongitude: 104.7UELocation: Sunda Strait, IndonesiaPak.Met.DeptEvaluation:The sea level readings indicate that threat is over for most of the area. Therefore, the Tsunami warning, issued by this centre, is now cancelled. For any affected area, where no major waves have occurred for at least 2 hours, after the estimated arrival time or damaging waves have not occurred for 2 hours, the local authority may assume that the threat is passed. Action regarding the 'all clear', decision must be made by local authorities. Sd Duty Seismologist	AMEER HYDER	Wed Jun 12 2024 11:45:06 GMT+0500 (Pakistan Standard Time)
Seychelles	-	-	-	-
Singapore	-	-	-	-
Somalia	-	-	-	-
South Africa	Threat Level 3	Australis TSP suggesting 4m for SA coast, Indonesia TSP suggesting 3m for SA coast	Kevin Rae	Wed Jun 12 2024 08:47:30 GMT+0200 (South Africa Standard Time)
Sri Lanka	Threat Level 1	Communication test message received.	NTWC Sri Lanka	Wed Jun 12 2024 11:52:24 GMT+0530 (India Standard Time)
Tanzania	-	-	-	-
Thailand	-	-	-	-
Timor-Leste	-	-	-	-
UAE	CANCELLATION/ALL CLEAR.		NTWC	Wed Jun 12 2024 10:50:08 GMT+0400 (Gulf Standard Time)
UK (Indian Ocean Territories)	-	-	-	-
Yemen	-	-	-	-

Showing 1 to 28 of 28 entries

Previous

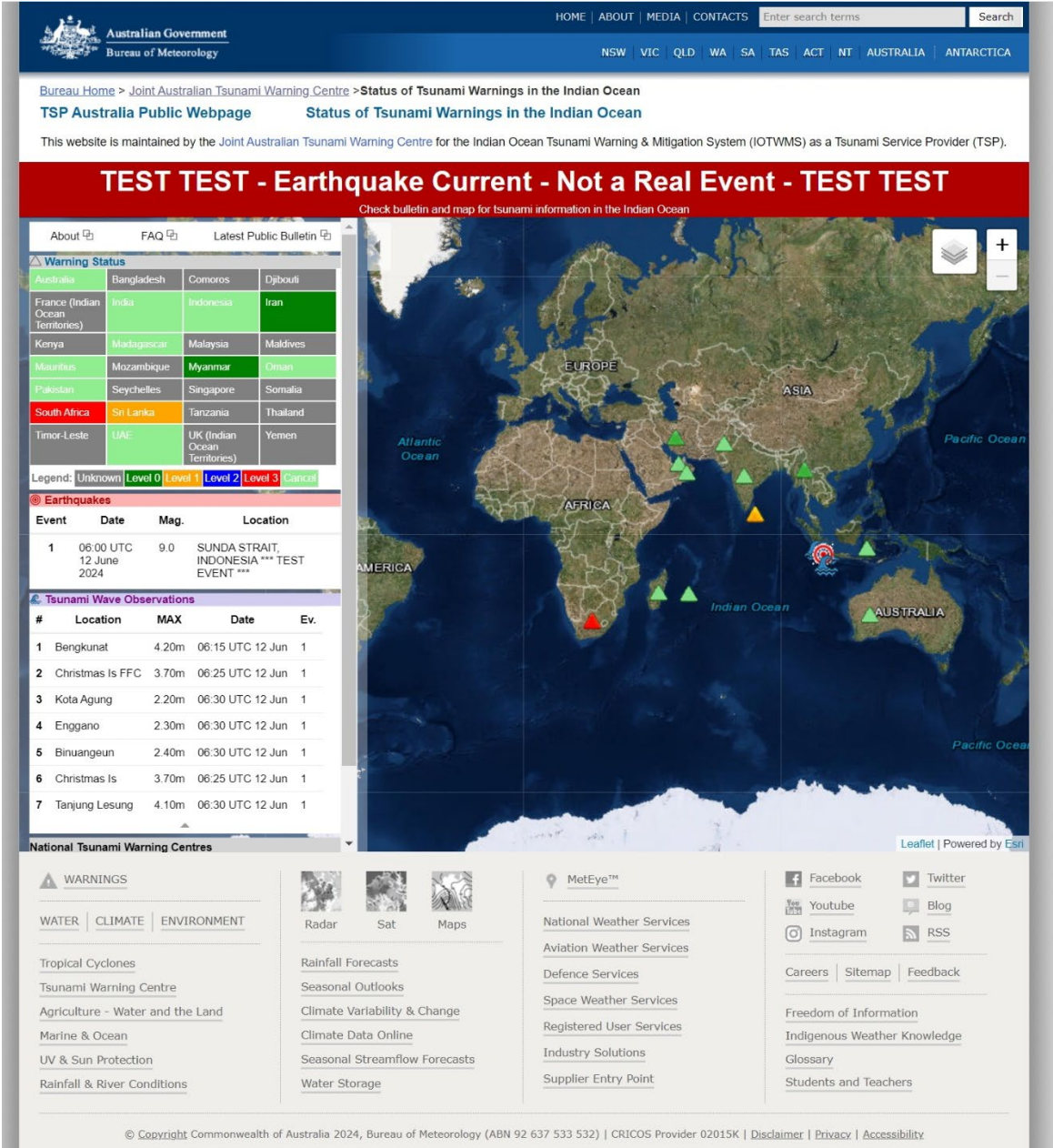
1

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



Appendix G: Accessibility of TSP-Indonesia Warning Receiver System

AUS	BAN	COM	IN	IND	IR	KEN	MAD	MAL	MAU	MM	OM	PK	SY	SIN	SA	SLK	THA	TL	UAE	YEM	Tot	%
1	1	1	1	1	1	1	1	1	1	-	1	1	0	1	0	1	1	1	1	-	17	81

AUS=Australia, BAN=Bangladesh, COM=Comoros, IN=India, IND=Indonesia, IR=Iran, KEN=Kenya, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MM=Myanmar, OM=Oman, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, THA=Thailand, TL=Timor Leste, UAE=United Arab Emirates, YEM=Yemen

Notes:

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

Comments:

Bangladesh	The TSP-Indonesia Warning Receiver System is well organised.
Indonesia	TSP Indonesia warning receiver system has a very good work performance all this time and very helpful operators.
Mauritius	Website was accessible and updates were available on time.
Oman	It did not open at first. After 10 min it was working.

Appendix H: Test Messages Transmitted by each TSP

TSP AUSTRALIA Test Start Message

WEIO24 AMMC 120600

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 12 JUNE 2024
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 12 JUNE 2024 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

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

TSP AUSTRALIA Message 1

```
IDY68503
#####
#
#   IOTWMS   COMMS TEST   12 JUNE 2024 - NOT A REAL TSUNAMI EVENT
#
#####
```

```
-----
TEST TSUNAMI BULLETIN NUMBER 1 (TYPE-I EARTHQUAKE BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)
ISSUED AT 0608 UTC Wednesday 12 June 2024
-----
```

... 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: 12 Jun 2024
Origin Time: 0600 UTC
Latitude: 6.94S
Longitude: 104.70E
Location: SUNDA STRAIT, INDONESIA

2. EVALUATION

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

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

3. ADVICE

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

4. OTHER INDIAN OCEAN TSUNAMI SERVICE PROVIDERS:

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

5. CONTACT INFORMATION

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

END OF BULLETIN

IOC Reference: ICG/IOTWMS/COMMS/ER/Jun24

IOTWMS COMMS TEST 12 JUNE 2024 - NOT A REAL TSUNAMI EVENT

#####

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

TSP AUSTRALIA Message 2

```
IDY68501
#####
#
#   IOTWMS   COMMS TEST   12 JUNE 2024 - NOT A REAL TSUNAMI EVENT
#
#####
```

```
-----
TEST TSUNAMI BULLETIN NUMBER 2 (TYPE-II THREAT ASSESSMENT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)
ISSUED AT 0615 UTC Wednesday 12 June 2024
-----
```

... 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: 12 Jun 2024
Origin Time: 0600 UTC
Latitude: 6.94S
Longitude: 104.70E
Location: SUNDA STRAIT, INDONESIA

2. EVALUATION

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

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

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

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

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

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

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

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

IOC Reference: ICG/IOTWMS/COMMS/ER/Jun24

made by national/state/local authorities.

AUSTRALIA

CHRISTMAS ISLAND	0610Z	12Jun2024	14.73m
COCOS ISLAND	0704Z	12Jun2024	5.97m
NINGALOO COAST	0816Z	12Jun2024	2.38m
PILBARA COAST WEST	0844Z	12Jun2024	1.44m
GASCOYNE COAST	0906Z	12Jun2024	1.57m
PILBARA COAST EAST	0956Z	12Jun2024	1.48m
WEST KIMBERLY COAST	1016Z	12Jun2024	0.59m
GERALDTON COAST	1036Z	12Jun2024	0.84m
NORTH KIMBERLY COAST	1122Z	12Jun2024	0.60m
LEEUEWIN COAST	1146Z	12Jun2024	0.74m
LANCELIN COAST	1152Z	12Jun2024	0.67m
BUNBURY GEOGRAPHE COAST	1326Z	12Jun2024	0.77m
PERTH COAST	1430Z	12Jun2024	0.61m
HEARD ISLAND AND MCDONALD ISLANDS	1436Z	12Jun2024	7.80m
AURORA BANK	1450Z	12Jun2024	5.22m
ALBANY COAST	2326Z	12Jun2024	1.00m

FRANCE

ILE SAINT-PAUL-NORTH	1148Z	12Jun2024	3.40m
ILE SAINT-PAUL-SOUTH	1156Z	12Jun2024	6.67m
SAINT-JOSEPH	1306Z	12Jun2024	1.52m
SAINT-DENIS	1310Z	12Jun2024	0.61m
ILE KERGUELEN	1404Z	12Jun2024	3.12m
NES CROZET	1446Z	12Jun2024	4.27m
ILE DE LA POSSESSION	1446Z	12Jun2024	4.77m
CROZET PLATEAU	1458Z	12Jun2024	7.01m

INDIA

INDIRA POINT	0836Z	12Jun2024	0.81m
MARAKKANAM	1020Z	12Jun2024	0.95m
CUDDALORE	1024Z	12Jun2024	0.86m
CHENNAI	1026Z	12Jun2024	1.29m
PUDUCHERRY	1026Z	12Jun2024	0.74m
MAHABALIPURAM	1026Z	12Jun2024	1.29m
POOMBUHAR	1030Z	12Jun2024	1.14m
SRIHARIKOTA	1034Z	12Jun2024	1.17m
MACHILIPATNAM	1046Z	12Jun2024	0.74m
PORT BLAIR	1056Z	12Jun2024	0.68m
HAVELOCK	1104Z	12Jun2024	0.80m
KANYAKUMARI	1106Z	12Jun2024	1.39m
NIJAMPATTANAM	1114Z	12Jun2024	0.73m
KOTTAPATNAM	1114Z	12Jun2024	0.89m
NAGAPATTINAM	1132Z	12Jun2024	0.78m
ENNORE	1144Z	12Jun2024	1.93m
KARAIKAL	1152Z	12Jun2024	0.86m
PURI	1224Z	12Jun2024	0.51m
PARADIP	1238Z	12Jun2024	0.61m
NORTH SENTINEL ISLAND	1254Z	12Jun2024	0.84m
TRIVANDRUM	1306Z	12Jun2024	0.71m
FLAT ISLAND	1308Z	12Jun2024	0.54m
KOODANKULAM	1320Z	12Jun2024	1.39m
TUTICORIN	1336Z	12Jun2024	0.55m
JAMBOO	1406Z	12Jun2024	0.56m
VISAKHAPATNAM	1410Z	12Jun2024	0.53m
KASARAGOD	1426Z	12Jun2024	0.55m
KANNUR	1432Z	12Jun2024	0.54m
GOPALPUR	1436Z	12Jun2024	0.58m
ALLEPPEY ALAPPUZHA	1518Z	12Jun2024	0.69m
DHAMRA	1618Z	12Jun2024	0.58m
LITTLE ANDAMAN	1728Z	12Jun2024	0.69m
QUILON	2150Z	12Jun2024	0.56m
KAKINADA	0428Z	13Jun2024	0.52m

INDONESIA		
BENGKULU BENGKULU-UTARA P.ENGGANO	0600Z	12Jun2024 11.78m
BANTEN PANDEGLANG S	0610Z	12Jun2024 15.05m
JABAR SUKABUMI UJUNG-GENTENG	0612Z	12Jun2024 17.02m
BANTEN PANDEGLANG P.PANAITAN	0612Z	12Jun2024 14.84m
BANTEN LEBAK	0614Z	12Jun2024 13.85m
JABAR CIANJUR SINDANGBARANG	0614Z	12Jun2024 21.92m
LAMPUNG TANGGAMUS B	0614Z	12Jun2024 16.89m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0616Z	12Jun2024 2.70m
JABAR SUKABUMI PELABUHAN-RATU	0616Z	12Jun2024 19.68m
JABAR TASIKMALAYA	0618Z	12Jun2024 13.55m
JABAR GARUT	0618Z	12Jun2024 13.44m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0618Z	12Jun2024 20.44m
BENGKULU KAUR	0624Z	12Jun2024 12.57m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0624Z	12Jun2024 17.43m
BENGKULU BENGKULU-SELATAN	0624Z	12Jun2024 8.55m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0626Z	12Jun2024 14.04m
BENGKULU SELUMA	0626Z	12Jun2024 7.49m
BANTEN SERANG B	0628Z	12Jun2024 6.74m
LAMPUNG TANGGAMUS T	0628Z	12Jun2024 7.88m
BANTEN KOTA-CILEGON P.SANGIANG	0628Z	12Jun2024 6.74m
JABAR CIAMIS	0628Z	12Jun2024 3.57m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0628Z	12Jun2024 6.74m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0628Z	12Jun2024 4.31m
BENGKULU BENGKULU-UTARA U	0630Z	12Jun2024 2.60m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0630Z	12Jun2024 10.63m
LAMPUNG TANGGAMUS P.TABUAN	0630Z	12Jun2024 5.11m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0632Z	12Jun2024 1.77m
JATENG PURWOREJO	0634Z	12Jun2024 2.06m
JATENG KEBUMEN	0634Z	12Jun2024 2.35m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0636Z	12Jun2024 10.63m
BENGKULU BENGKULU-UTARA S	0638Z	12Jun2024 4.51m
LAMPUNG LAMPUNG-SELATAN B	0640Z	12Jun2024 7.34m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0640Z	12Jun2024 7.34m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0640Z	12Jun2024 2.12m
DIY BANTUL	0642Z	12Jun2024 2.58m
JATENG CILACAP	0642Z	12Jun2024 3.27m
DIY KULON-PROGO	0642Z	12Jun2024 1.93m
MUARASIBERUT	0642Z	12Jun2024 1.33m
DIY GUNUNG-KIDUL	0644Z	12Jun2024 2.17m
BANTEN PANDEGLANG U	0644Z	12Jun2024 3.00m
BENGKULU MUKOMUKO	0646Z	12Jun2024 3.06m
JATIM PACITAN	0650Z	12Jun2024 2.25m
JATENG WONOGIRI	0650Z	12Jun2024 2.06m
JATIM TRENGGALEK	0652Z	12Jun2024 1.68m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0658Z	12Jun2024 3.88m
SUMBAR PESISIR-SELATAN S	0658Z	12Jun2024 2.16m
SUMUT NIAS-SELATAN P.TANABALA	0700Z	12Jun2024 1.18m
JATIM MALANG	0700Z	12Jun2024 0.97m
JATIM BLITAR	0702Z	12Jun2024 0.97m
SUMUT NIAS-SELATAN P.TANAHMASA	0704Z	12Jun2024 0.81m
JATIM JEMBER P.NUSABARUNG	0706Z	12Jun2024 1.12m
JATIM TULUNGAGUNG	0708Z	12Jun2024 0.74m
JATIM BANYUWANGI S	0710Z	12Jun2024 0.99m
SUMUT NIAS B	0712Z	12Jun2024 1.21m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0714Z	12Jun2024 2.56m
SUMUT NIAS-SELATAN P.NIAS	0714Z	12Jun2024 1.21m
JATIM JEMBER	0716Z	12Jun2024 1.01m
JATIM LUMAJANG	0726Z	12Jun2024 1.07m
NIAS-EAST	0726Z	12Jun2024 1.74m
NAD SIMEULUE P.SIMEULUE	0728Z	12Jun2024 1.34m
NIAS	0732Z	12Jun2024 0.62m
NAD ACEH-SINGKIL KEP.BANYAK	0734Z	12Jun2024 0.82m
BALI BADUNG PANTAI-KUTA	0740Z	12Jun2024 0.84m
BALI TABANAN	0742Z	12Jun2024 0.85m

BALI DENPASAR PANTAI-SANUR	0744Z	12Jun2024	0.84m
BALI KLUNGKUNG P.NUSAPENIDA	0746Z	12Jun2024	0.72m
NTB SUMBAWA B	0802Z	12Jun2024	0.68m
NTB LOMBOK-BARAT S	0806Z	12Jun2024	0.68m
SUMBAR PESISIR-SELATAN U	0806Z	12Jun2024	1.29m
MUARASIGEP	0816Z	12Jun2024	1.08m
MURASAIBI	0822Z	12Jun2024	1.06m
NAD ACEH-JAYA	0822Z	12Jun2024	1.08m
SAKUBO	0826Z	12Jun2024	1.22m
SUMBAR KOTA-PADANG S	0828Z	12Jun2024	0.99m
SUMBAR KOTA-PARIAMAN	0828Z	12Jun2024	1.01m
NTT SUMBA T	0830Z	12Jun2024	0.74m
SUMBAR PADANG-PARIAMAN U	0830Z	12Jun2024	0.96m
SUMBAR KOTA-PADANG U	0832Z	12Jun2024	1.15m
SUMBAR KOTA-PADANG U	0832Z	12Jun2024	2.27m
SUMBAR PADANG-PARIAMAN S	0832Z	12Jun2024	0.95m
NAD ACEH-BARAT	0832Z	12Jun2024	0.75m
NTT SUMBA B	0834Z	12Jun2024	0.84m
NTB DOMPU S	0834Z	12Jun2024	0.55m
NIAS-NORTH	0836Z	12Jun2024	0.85m
NTB KOTA-BIMA S	0838Z	12Jun2024	0.69m
SUMBAR AGAM	0840Z	12Jun2024	1.43m
NTT KUPANG	0848Z	12Jun2024	0.60m
NTB LOMBOK-TIMUR S	0920Z	12Jun2024	0.66m
NAD ACEH-BARAT-DAYA	0922Z	12Jun2024	0.66m
SUMUT MANDAILING-NATAL S	0922Z	12Jun2024	1.94m
NAD NAGAN-RAYA	0922Z	12Jun2024	0.85m
NAD ACEH-BESAR B	0924Z	12Jun2024	0.79m
NTB LOMBOK-TENGAH	0926Z	12Jun2024	0.62m
SUMUT TAPANULI-TENGAH U	0936Z	12Jun2024	1.08m
NTB SUMBAWA S	0952Z	12Jun2024	0.85m
NTT MANGGARAI-BARAT P.	1008Z	12Jun2024	0.67m
NTT MANGGARAI-BARAT S	1014Z	12Jun2024	0.75m
NTT MANGGARAI S	1032Z	12Jun2024	0.55m
PANTE MACASSAR	1130Z	12Jun2024	0.51m
NTT BELU U	1130Z	12Jun2024	0.50m
SUMUT MANDAILING-NATAL U	1136Z	12Jun2024	1.81m
SOUTH OF BODAHAYIONE	1204Z	12Jun2024	0.81m
SUMUT TAPANULI-SELATAN	1226Z	12Jun2024	1.61m
SUMUT TAPANULI-TENGAH S	1242Z	12Jun2024	1.37m
SUMUT TAPANULI-TENGAH KEP.MURSALA	1248Z	12Jun2024	1.02m
NAD ACEH-SINGKIL	1310Z	12Jun2024	0.83m
GUNUNGSITOLI	1316Z	12Jun2024	0.69m
NAD ACEH-SELATAN S	1418Z	12Jun2024	0.52m

KENYA

KIWAYU 2344Z 12Jun2024 0.58m

MADAGASCAR

TOAMASINA AIRPORT	1404Z	12Jun2024	1.93m
AMBAHY	1408Z	12Jun2024	1.80m
FARAFAGANA	1414Z	12Jun2024	2.03m
MANANTENINA	1416Z	12Jun2024	1.36m
VOHEMAR	1418Z	12Jun2024	0.81m
TAMPOLO	1516Z	12Jun2024	1.34m
ANOROTSANGANA	1532Z	12Jun2024	0.64m
ANDROKA	1622Z	12Jun2024	0.77m
SAMPONA	1622Z	12Jun2024	1.93m
EUROPA ISLAND	1756Z	12Jun2024	0.55m

MALDIVES

HITHADHOO	1010Z	12Jun2024	0.96m
THINADHOO	1010Z	12Jun2024	1.04m
DHIYAMIGILI	1016Z	12Jun2024	1.10m
KOLHUFUSHI	1020Z	12Jun2024	0.93m
MALE	1026Z	12Jun2024	1.06m

IOC Reference: ICG/IOTWMS/COMMS/ER/Jun24

KULHUDUFFUSHI	1034Z	12Jun2024	0.99m
NILANDHOO	1040Z	12Jun2024	1.14m
GOIDHOO	1048Z	12Jun2024	0.85m
FERIDHOO	1100Z	12Jun2024	0.82m

MAURITIUS

LA FERME	1152Z	12Jun2024	2.04m
CARGADOS CARAJOS	1230Z	12Jun2024	1.38m
GRANDE REVIERE SUD EST-EAST	1242Z	12Jun2024	1.69m
GRANDE REVIERE SUD EST-WEST	1300Z	12Jun2024	1.17m

MOZAMBIQUE

INHARRIME	1726Z	12Jun2024	1.03m
MAPUTO	1744Z	12Jun2024	0.85m
POMENE	1744Z	12Jun2024	0.63m
XAI-XAI	1750Z	12Jun2024	1.10m
ZAVALA	1756Z	12Jun2024	0.61m
MALUANA	1822Z	12Jun2024	0.95m
VILANKULO	1826Z	12Jun2024	0.67m
MOEBASE	1844Z	12Jun2024	0.99m
VILA DO CHINDE	1848Z	12Jun2024	0.95m
OCONE	1848Z	12Jun2024	0.95m
AMADE	1852Z	12Jun2024	0.62m
NAMORRE	1908Z	12Jun2024	0.72m
MOGINCUAL	2206Z	12Jun2024	0.53m

OMAN

TAQAH	1522Z	12Jun2024	0.76m
SALALAH	1528Z	12Jun2024	0.78m
MIRBAT	1530Z	12Jun2024	0.61m
HASIK	1542Z	12Jun2024	0.67m
MUSCAT	0330Z	13Jun2024	0.50m

SEYCHELLES

FREGATE ISLAND	1324Z	12Jun2024	0.76m
TAKAMAKA	1522Z	12Jun2024	0.99m

SOMALIA

TOOXIN	1446Z	12Jun2024	0.90m
BANDER-BEYLA	1448Z	12Jun2024	0.86m
EYL	1516Z	12Jun2024	0.73m
CEEL DHEER	1526Z	12Jun2024	0.58m
MAREEG	1538Z	12Jun2024	0.77m
ABO	1554Z	12Jun2024	0.54m
GALDOGOB	1610Z	12Jun2024	0.56m

SOUTH AFRICA

FUNK SEAMOUNT	1626Z	12Jun2024	4.38m
MARGATE	1710Z	12Jun2024	3.82m
PORT ELIZABETH	1712Z	12Jun2024	1.57m
GEORGE	1712Z	12Jun2024	1.57m
ELLIOTDALE	1712Z	12Jun2024	1.57m
PORT ST JOHNS	1712Z	12Jun2024	1.57m
LUSIKISIKI	1712Z	12Jun2024	1.57m
BATHURST	1712Z	12Jun2024	1.57m
HANKEY	1712Z	12Jun2024	1.57m
ZIKHOVA	1712Z	12Jun2024	1.57m
GAMTOOS	1712Z	12Jun2024	1.57m
BREDASDORP	1712Z	12Jun2024	1.57m
WITAAND	1712Z	12Jun2024	1.57m
NGQUELENI	1712Z	12Jun2024	1.57m
HEIDELBERG	1712Z	12Jun2024	1.57m
KAYSER'S BEACH	1712Z	12Jun2024	1.57m
MOSSEL	1712Z	12Jun2024	1.57m
BIZANA	1712Z	12Jun2024	2.80m
WILLOWVALE	1712Z	12Jun2024	1.57m

KENTANI	1712Z	12Jun2024	1.57m
MARSHSTRAND	1712Z	12Jun2024	1.57m
PEDDIE	1712Z	12Jun2024	1.57m
ALEXANDRIA	1712Z	12Jun2024	1.57m
HUMANSDORP	1712Z	12Jun2024	1.57m
KOSIMEER	1732Z	12Jun2024	1.15m
PORT DURNFORD	1742Z	12Jun2024	2.48m
GWABALANDA HITAWI	1744Z	12Jun2024	1.69m
LAKE SIBAYI	1748Z	12Jun2024	2.01m
KELSO	1750Z	12Jun2024	2.93m
MANDI	1758Z	12Jun2024	2.04m
ABORETUM	1806Z	12Jun2024	2.38m

SRI LANKA

KIRINDA	0926Z	12Jun2024	0.91m
POTTUVIL	0928Z	12Jun2024	1.02m
OKANDA	0928Z	12Jun2024	1.04m
HAMBANTOTA	0930Z	12Jun2024	1.12m
AKKARAIPATTU	0930Z	12Jun2024	1.01m
BATTICALOA	0932Z	12Jun2024	1.01m
TANGALLE	0932Z	12Jun2024	0.87m
MATARA	0934Z	12Jun2024	0.89m
GALLE	0936Z	12Jun2024	0.88m
KATTANKUDI	0940Z	12Jun2024	0.94m
AMBALANGODA	0942Z	12Jun2024	0.56m
ANAITIVU	0946Z	12Jun2024	0.96m
PANKULAM	0948Z	12Jun2024	0.77m
MULLAITTIVU	0954Z	12Jun2024	0.69m
BERUWALA	0954Z	12Jun2024	0.61m
CHUNDIKKULAM	1002Z	12Jun2024	0.72m
MORATUWA	1008Z	12Jun2024	0.84m
NEGOMBO	1242Z	12Jun2024	0.54m

TANZANIA

MADANGWA	1654Z	12Jun2024	0.57m
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UNITED KINGDOM

DIEGO GARCIA	1004Z	12Jun2024	1.29m
MORESBY ISLAND	1012Z	12Jun2024	1.08m
NW EGMONT ISLAND	1028Z	12Jun2024	0.87m

YEMEN

SOCOTRA ISLAND SOUTH	1442Z	12Jun2024	1.07m
SOCOTRA ISLAND WEST	1530Z	12Jun2024	0.56m
DAMQAWT	1542Z	12Jun2024	0.68m
AL GHAYDAH AIRPORT	1546Z	12Jun2024	0.76m
KHANFAR	1934Z	12Jun2024	0.65m
ADEN	2040Z	12Jun2024	0.55m

4. ADVICE

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

5. UPDATES

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

Other IOTWMS-TSPs may issue additional information at:

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

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

6. CONTACT INFORMATION

IOTWMS-TSP AUSTRALIA

IOC Reference: ICG/IOTWMS/COMMS/ER/Jun24

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 12 JUNE 2024 - NOT A REAL TSUNAMI EVENT

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

TSP AUSTRALIA Message 3

IDY68501

IOTWMS COMMS TEST 12 JUNE 2024 - 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 0629 UTC Wednesday 12 June 2024

... 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: 12 Jun 2024
Origin Time: 0600 UTC
Latitude: 6.94S
Longitude: 104.70E
Location: SUNDA STRAIT, INDONESIA

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

Bengkunat	INDONESIA	5.52S 104.21E	4.20m	12 Jun 06:15 UTC
Deep Ocean Buoy 56001	INDIAN OCEAN	14.02S 109.94E	0.50m	12 Jun 06:25 UTC
Christmas Is FFC	AUSTRALIA	10.40S 105.67E	3.70m	12 Jun 06:25 UTC

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

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

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

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

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

AUSTRALIA			
CHRISTMAS ISLAND	0610Z	12Jun2024	14.73m
COCOS ISLAND	0704Z	12Jun2024	5.97m
NINGALOO COAST	0816Z	12Jun2024	2.38m
PILBARA COAST WEST	0844Z	12Jun2024	1.44m
GASCOYNE COAST	0906Z	12Jun2024	1.57m
PILBARA COAST EAST	0956Z	12Jun2024	1.48m
WEST KIMBERLY COAST	1016Z	12Jun2024	0.59m
GERALDTON COAST	1036Z	12Jun2024	0.84m
NORTH KIMBERLY COAST	1122Z	12Jun2024	0.60m
LEEUEWIN COAST	1146Z	12Jun2024	0.74m
LANCELIN COAST	1152Z	12Jun2024	0.67m
BUNBURY GEOGRAPHE COAST	1326Z	12Jun2024	0.77m
PERTH COAST	1430Z	12Jun2024	0.61m
HEARD ISLAND AND MCDONALD ISLANDS	1436Z	12Jun2024	7.80m
AURORA BANK	1450Z	12Jun2024	5.22m
ALBANY COAST	2326Z	12Jun2024	1.00m

FRANCE			
ILE SAINT-PAUL-NORTH	1148Z	12Jun2024	3.40m
ILE SAINT-PAUL-SOUTH	1156Z	12Jun2024	6.67m
SAINT-JOSEPH	1306Z	12Jun2024	1.52m
SAINT-DENIS	1310Z	12Jun2024	0.61m
ILE KERGUELEN	1404Z	12Jun2024	3.12m
NES CROZET	1446Z	12Jun2024	4.27m
ILE DE LA POSSESSION	1446Z	12Jun2024	4.77m
CROZET PLATEAU	1458Z	12Jun2024	7.01m

INDIA			
INDIRA POINT	0836Z	12Jun2024	0.81m
MARAKKANAM	1020Z	12Jun2024	0.95m
CUDDALORE	1024Z	12Jun2024	0.86m
CHENNAI	1026Z	12Jun2024	1.29m
PUDUCHERRY	1026Z	12Jun2024	0.74m
MAHABALIPURAM	1026Z	12Jun2024	1.29m
POOMBUHAR	1030Z	12Jun2024	1.14m
SRIHARIKOTA	1034Z	12Jun2024	1.17m
MACHILIPATNAM	1046Z	12Jun2024	0.74m
PORT BLAIR	1056Z	12Jun2024	0.68m
HAVELOCK	1104Z	12Jun2024	0.80m
KANYAKUMARI	1106Z	12Jun2024	1.39m
NIJAMPATTANAM	1114Z	12Jun2024	0.73m
KOTTAPATNAM	1114Z	12Jun2024	0.89m
NAGAPATTINAM	1132Z	12Jun2024	0.78m
ENNORE	1144Z	12Jun2024	1.93m
KARAIKAL	1152Z	12Jun2024	0.86m
PURI	1224Z	12Jun2024	0.51m
PARADIP	1238Z	12Jun2024	0.61m
NORTH SENTINEL ISLAND	1254Z	12Jun2024	0.84m
TRIVANDRUM	1306Z	12Jun2024	0.71m
FLAT ISLAND	1308Z	12Jun2024	0.54m
KOODANKULAM	1320Z	12Jun2024	1.39m
TUTICORIN	1336Z	12Jun2024	0.55m
JAMBOO	1406Z	12Jun2024	0.56m
VISAKHAPATNAM	1410Z	12Jun2024	0.53m
KASARAGOD	1426Z	12Jun2024	0.55m
KANNUR	1432Z	12Jun2024	0.54m
GOPALPUR	1436Z	12Jun2024	0.58m
ALLEPPEY ALAPPUZHA	1518Z	12Jun2024	0.69m
DHAMRA	1618Z	12Jun2024	0.58m
LITTLE ANDAMAN	1728Z	12Jun2024	0.69m
QUILON	2150Z	12Jun2024	0.56m
KAKINADA	0428Z	13Jun2024	0.52m

INDONESIA		
BENGKULU BENGKULU-UTARA P.ENGGANO	0600Z	12Jun2024 11.78m
BANTEN PANDEGLANG S	0610Z	12Jun2024 15.05m
JABAR SUKABUMI UJUNG-GENTENG	0612Z	12Jun2024 17.02m
BANTEN PANDEGLANG P.PANAITAN	0612Z	12Jun2024 14.84m
BANTEN LEBAK	0614Z	12Jun2024 13.85m
JABAR CIANJUR SINDANGBARANG	0614Z	12Jun2024 21.92m
LAMPUNG TANGGAMUS B	0614Z	12Jun2024 16.89m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0616Z	12Jun2024 2.70m
JABAR SUKABUMI PELABUHAN-RATU	0616Z	12Jun2024 19.68m
JABAR TASIKMALAYA	0618Z	12Jun2024 13.55m
JABAR GARUT	0618Z	12Jun2024 13.44m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0618Z	12Jun2024 20.44m
BENGKULU KAUR	0624Z	12Jun2024 12.57m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0624Z	12Jun2024 17.43m
BENGKULU BENGKULU-SELATAN	0624Z	12Jun2024 8.55m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0626Z	12Jun2024 14.04m
BENGKULU SELUMA	0626Z	12Jun2024 7.49m
BANTEN SERANG B	0628Z	12Jun2024 6.74m
LAMPUNG TANGGAMUS T	0628Z	12Jun2024 7.88m
BANTEN KOTA-CILEGON P.SANGIANG	0628Z	12Jun2024 6.74m
JABAR CIAMIS	0628Z	12Jun2024 3.57m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0628Z	12Jun2024 6.74m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0628Z	12Jun2024 4.31m
BENGKULU BENGKULU-UTARA U	0630Z	12Jun2024 2.60m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0630Z	12Jun2024 10.63m
LAMPUNG TANGGAMUS P.TABUAN	0630Z	12Jun2024 5.11m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0632Z	12Jun2024 1.77m
JATENG PURWOREJO	0634Z	12Jun2024 2.06m
JATENG KEBUMEN	0634Z	12Jun2024 2.35m
LAMPUNG LAMPUNG-SELATAN KALIANDA	0636Z	12Jun2024 10.63m
BENGKULU BENGKULU-UTARA S	0638Z	12Jun2024 4.51m
LAMPUNG LAMPUNG-SELATAN B	0640Z	12Jun2024 7.34m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0640Z	12Jun2024 7.34m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0640Z	12Jun2024 2.12m
DIY BANTUL	0642Z	12Jun2024 2.58m
JATENG CILACAP	0642Z	12Jun2024 3.27m
DIY KULON-PROGO	0642Z	12Jun2024 1.93m
MUARASIBERUT	0642Z	12Jun2024 1.33m
DIY GUNUNG-KIDUL	0644Z	12Jun2024 2.17m
BANTEN PANDEGLANG U	0644Z	12Jun2024 3.00m
BENGKULU MUKOMUKO	0646Z	12Jun2024 3.06m
JATIM PACITAN	0650Z	12Jun2024 2.25m
JATENG WONOGIRI	0650Z	12Jun2024 2.06m
JATIM TRENGGALEK	0652Z	12Jun2024 1.68m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0658Z	12Jun2024 3.88m
SUMBAR PESISIR-SELATAN S	0658Z	12Jun2024 2.16m
SUMUT NIAS-SELATAN P.TANABALA	0700Z	12Jun2024 1.18m
JATIM MALANG	0700Z	12Jun2024 0.97m
JATIM BLITAR	0702Z	12Jun2024 0.97m
SUMUT NIAS-SELATAN P.TANAHMASA	0704Z	12Jun2024 0.81m
JATIM JEMBER P.NUSABARUNG	0706Z	12Jun2024 1.12m
JATIM TULUNGAGUNG	0708Z	12Jun2024 0.74m
JATIM BANYUWANGI S	0710Z	12Jun2024 0.99m
SUMUT NIAS B	0712Z	12Jun2024 1.21m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0714Z	12Jun2024 2.56m
SUMUT NIAS-SELATAN P.NIAS	0714Z	12Jun2024 1.21m
JATIM JEMBER	0716Z	12Jun2024 1.01m
JATIM LUMAJANG	0726Z	12Jun2024 1.07m
NIAS-EAST	0726Z	12Jun2024 1.74m
NAD SIMEULUE P.SIMEULUE	0728Z	12Jun2024 1.34m
NIAS	0732Z	12Jun2024 0.62m
NAD ACEH-SINGKIL KEP.BANYAK	0734Z	12Jun2024 0.82m
BALI BADUNG PANTAI-KUTA	0740Z	12Jun2024 0.84m
BALI TABANAN	0742Z	12Jun2024 0.85m
BALI DENPASAR PANTAI-SANUR	0744Z	12Jun2024 0.84m

BALI KLUNGKUNG P.NUSAPENIDA	0746Z	12Jun2024	0.72m
NTB SUMBAWA B	0802Z	12Jun2024	0.68m
NTB LOMBOK-BARAT S	0806Z	12Jun2024	0.68m
SUMBAR PESISIR-SELATAN U	0806Z	12Jun2024	1.29m
MUARASIGEP	0816Z	12Jun2024	1.08m
MURASAIBI	0822Z	12Jun2024	1.06m
NAD ACEH-JAYA	0822Z	12Jun2024	1.08m
SAKUBO	0826Z	12Jun2024	1.22m
SUMBAR KOTA-PADANG S	0828Z	12Jun2024	0.99m
SUMBAR KOTA-PARIAMAN	0828Z	12Jun2024	1.01m
NTT SUMBA T	0830Z	12Jun2024	0.74m
SUMBAR PADANG-PARIAMAN U	0830Z	12Jun2024	0.96m
SUMBAR KOTA-PADANG U	0832Z	12Jun2024	1.15m
SUMBAR KOTA-PADANG U	0832Z	12Jun2024	2.27m
SUMBAR PADANG-PARIAMAN S	0832Z	12Jun2024	0.95m
NAD ACEH-BARAT	0832Z	12Jun2024	0.75m
NTT SUMBA B	0834Z	12Jun2024	0.84m
NTB DOMPU S	0834Z	12Jun2024	0.55m
NIAS-NORTH	0836Z	12Jun2024	0.85m
NTB KOTA-BIMA S	0838Z	12Jun2024	0.69m
SUMBAR AGAM	0840Z	12Jun2024	1.43m
NTT KUPANG	0848Z	12Jun2024	0.60m
NTB LOMBOK-TIMUR S	0920Z	12Jun2024	0.66m
NAD ACEH-BARAT-DAYA	0922Z	12Jun2024	0.66m
SUMUT MANDAILING-NATAL S	0922Z	12Jun2024	1.94m
NAD NAGAN-RAYA	0922Z	12Jun2024	0.85m
NAD ACEH-BESAR B	0924Z	12Jun2024	0.79m
NTB LOMBOK-TENGAH	0926Z	12Jun2024	0.62m
SUMUT TAPANULI-TENGAH U	0936Z	12Jun2024	1.08m
NTB SUMBAWA S	0952Z	12Jun2024	0.85m
NTT MANGGARAI-BARAT P.	1008Z	12Jun2024	0.67m
NTT MANGGARAI-BARAT S	1014Z	12Jun2024	0.75m
NTT MANGGARAI S	1032Z	12Jun2024	0.55m
PANTE MACASSAR	1130Z	12Jun2024	0.51m
NTT BELU U	1130Z	12Jun2024	0.50m
SUMUT MANDAILING-NATAL U	1136Z	12Jun2024	1.81m
SOUTH OF BODAHAYIONE	1204Z	12Jun2024	0.81m
SUMUT TAPANULI-SELATAN	1226Z	12Jun2024	1.61m
SUMUT TAPANULI-TENGAH S	1242Z	12Jun2024	1.37m
SUMUT TAPANULI-TENGAH KEP.MURSALA	1248Z	12Jun2024	1.02m
NAD ACEH-SINGKIL	1310Z	12Jun2024	0.83m
GUNUNGSITOLI	1316Z	12Jun2024	0.69m
NAD ACEH-SELATAN S	1418Z	12Jun2024	0.52m

KENYA

KIWAYU 2344Z 12Jun2024 0.58m

MADAGASCAR

TOAMASINA AIRPORT	1404Z	12Jun2024	1.93m
AMBAHY	1408Z	12Jun2024	1.80m
FARAFAGANA	1414Z	12Jun2024	2.03m
MANANTENINA	1416Z	12Jun2024	1.36m
VOHEMAR	1418Z	12Jun2024	0.81m
TAMPOLO	1516Z	12Jun2024	1.34m
ANOROTSANGANA	1532Z	12Jun2024	0.64m
ANDROKA	1622Z	12Jun2024	0.77m
SAMPONA	1622Z	12Jun2024	1.93m
EUROPA ISLAND	1756Z	12Jun2024	0.55m

MALDIVES

HITHADHOO	1010Z	12Jun2024	0.96m
THINADHOO	1010Z	12Jun2024	1.04m
DHIYAMIGILI	1016Z	12Jun2024	1.10m
KOLHUFUSHI	1020Z	12Jun2024	0.93m
MALE	1026Z	12Jun2024	1.06m
KULHUDUFFUSHI	1034Z	12Jun2024	0.99m

IOC Reference: ICG/IOTWMS/COMMS/ER/Jun24

NILANDHOO	1040Z	12Jun2024	1.14m
GOIDHOO	1048Z	12Jun2024	0.85m
FERIDHOO	1100Z	12Jun2024	0.82m

MAURITIUS

LA FERME	1152Z	12Jun2024	2.04m
CARGADOS CARAJOS	1230Z	12Jun2024	1.38m
GRANDE REVIERE SUD EST-EAST	1242Z	12Jun2024	1.69m
GRANDE REVIERE SUD EST-WEST	1300Z	12Jun2024	1.17m

MOZAMBIQUE

INHARRIME	1726Z	12Jun2024	1.03m
MAPUTO	1744Z	12Jun2024	0.85m
POMENE	1744Z	12Jun2024	0.63m
XAI-XAI	1750Z	12Jun2024	1.10m
ZAVALA	1756Z	12Jun2024	0.61m
MALUANA	1822Z	12Jun2024	0.95m
VILANKULO	1826Z	12Jun2024	0.67m
MOEBASE	1844Z	12Jun2024	0.99m
VILA DO CHINDE	1848Z	12Jun2024	0.95m
OCONE	1848Z	12Jun2024	0.95m
AMADE	1852Z	12Jun2024	0.62m
NAMORRE	1908Z	12Jun2024	0.72m
MOGINCUAL	2206Z	12Jun2024	0.53m

OMAN

TAQAH	1522Z	12Jun2024	0.76m
SALALAH	1528Z	12Jun2024	0.78m
MIRBAT	1530Z	12Jun2024	0.61m
HASIK	1542Z	12Jun2024	0.67m
MUSCAT	0330Z	13Jun2024	0.50m

SEYCHELLES

FREGATE ISLAND	1324Z	12Jun2024	0.76m
TAKAMAKA	1522Z	12Jun2024	0.99m

SOMALIA

TOOXIN	1446Z	12Jun2024	0.90m
BANDER-BEYLA	1448Z	12Jun2024	0.86m
EYL	1516Z	12Jun2024	0.73m
CEEL DHEER	1526Z	12Jun2024	0.58m
MAREEG	1538Z	12Jun2024	0.77m
ABO	1554Z	12Jun2024	0.54m
GALDOGOB	1610Z	12Jun2024	0.56m

SOUTH AFRICA

FUNK SEAMOUNT	1626Z	12Jun2024	4.38m
MARGATE	1710Z	12Jun2024	3.82m
PORT ELIZABETH	1712Z	12Jun2024	1.57m
GEORGE	1712Z	12Jun2024	1.57m
ELLIOTDALE	1712Z	12Jun2024	1.57m
PORT ST JOHNS	1712Z	12Jun2024	1.57m
LUSIKISIKI	1712Z	12Jun2024	1.57m
BATHURST	1712Z	12Jun2024	1.57m
HANKEY	1712Z	12Jun2024	1.57m
ZIKHOVA	1712Z	12Jun2024	1.57m
GAMTOOS	1712Z	12Jun2024	1.57m
BREDASDORP	1712Z	12Jun2024	1.57m
WITAAND	1712Z	12Jun2024	1.57m
NGQUELENI	1712Z	12Jun2024	1.57m
HEIDELBERG	1712Z	12Jun2024	1.57m
KAYSER'S BEACH	1712Z	12Jun2024	1.57m
MOSSEL	1712Z	12Jun2024	1.57m
BIZANA	1712Z	12Jun2024	2.80m
WILLOWVALE	1712Z	12Jun2024	1.57m
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MARSHSTRAND	1712Z	12Jun2024	1.57m
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ALEXANDRIA	1712Z	12Jun2024	1.57m
HUMANSDORP	1712Z	12Jun2024	1.57m
KOSIMEER	1732Z	12Jun2024	1.15m
PORT DURNFORD	1742Z	12Jun2024	2.48m
GWABALANDA HITAWI	1744Z	12Jun2024	1.69m
LAKE SIBAYI	1748Z	12Jun2024	2.01m
KELSO	1750Z	12Jun2024	2.93m
MANDI	1758Z	12Jun2024	2.04m
ABORETUM	1806Z	12Jun2024	2.38m

SRI LANKA

KIRINDA	0926Z	12Jun2024	0.91m
POTTUVIL	0928Z	12Jun2024	1.02m
OKANDA	0928Z	12Jun2024	1.04m
HAMBANTOTA	0930Z	12Jun2024	1.12m
AKKARAIPATTU	0930Z	12Jun2024	1.01m
BATTICALOA	0932Z	12Jun2024	1.01m
TANGALLE	0932Z	12Jun2024	0.87m
MATARA	0934Z	12Jun2024	0.89m
GALLE	0936Z	12Jun2024	0.88m
KATTANKUDI	0940Z	12Jun2024	0.94m
AMBALANGODA	0942Z	12Jun2024	0.56m
ANAITIVU	0946Z	12Jun2024	0.96m
PANKULAM	0948Z	12Jun2024	0.77m
MULLAITTIVU	0954Z	12Jun2024	0.69m
BERUWALA	0954Z	12Jun2024	0.61m
CHUNDIKKULAM	1002Z	12Jun2024	0.72m
MORATUWA	1008Z	12Jun2024	0.84m
NEGOMBO	1242Z	12Jun2024	0.54m

TANZANIA

MADANGWA	1654Z	12Jun2024	0.57m
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UNITED KINGDOM

DIEGO GARCIA	1004Z	12Jun2024	1.29m
MORESBY ISLAND	1012Z	12Jun2024	1.08m
NW EGMONT ISLAND	1028Z	12Jun2024	0.87m

YEMEN

SOCOTRA ISLAND SOUTH	1442Z	12Jun2024	1.07m
SOCOTRA ISLAND WEST	1530Z	12Jun2024	0.56m
DAMQAWT	1542Z	12Jun2024	0.68m
AL GHAYDAH AIRPORT	1546Z	12Jun2024	0.76m
KHANFAR	1934Z	12Jun2024	0.65m
ADEN	2040Z	12Jun2024	0.55m

4. ADVICE

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

5. UPDATES

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

Other IOTWMS-TSPs may issue additional information at:

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

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

6. CONTACT INFORMATION

IOTWMS-TSP AUSTRALIA

Joint Australian Tsunami Warning Centre (JATWC)

IOC Reference: ICG/IOTWMS/COMMS/ER/Jun24

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

END OF BULLETIN

IOTWMS COMMS TEST 12 JUNE 2024 - NOT A REAL TSUNAMI EVENT

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

TSP AUSTRALIA Message 4

IDY68504

IOTWMS COMMS TEST 12 JUNE 2024 - NOT A REAL TSUNAMI EVENT

#####

TEST TSUNAMI BULLETIN NUMBER 4 (TYPE-IV FINAL BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)
ISSUED AT 0644 UTC Wednesday 12 June 2024

... 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: 12 Jun 2024
Origin Time: 0600 UTC
Latitude: 6.94S
Longitude: 104.70E
Location: SUNDA STRAIT, INDONESIA

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

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

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

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

Bengkunat	INDONESIA	5.52S 104.21E	4.20m	12 Jun 06:15 UTC
Deep Ocean Buoy 56001	INDIAN OCEAN	14.02S 109.94E	0.50m	12 Jun 06:25 UTC
Christmas Is	AUSTRALIA	10.40S 105.67E	3.70m	12 Jun 06:25 UTC
Christmas Is FFC	AUSTRALIA	10.40S 105.67E	3.70m	12 Jun 06:25 UTC
Binuangeun	INDONESIA	6.83S 106.00E	2.40m	12 Jun 06:30 UTC
Tanjung Lesung	INDONESIA	6.50S 105.50E	4.10m	12 Jun 06:30 UTC
Enggano	INDONESIA	5.30S 102.28E	2.30m	12 Jun 06:30 UTC
Kota Agung	INDONESIA	5.67S 104.67E	2.20m	12 Jun 06:30 UTC

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

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

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

6. CONTACT INFORMATION

IOTWMS-TSP AUSTRALIA
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 12 JUNE 2024 - NOT A REAL TSUNAMI EVENT

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

TSP INDIA Test Start Message

WEIO20 DEMS 120559

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IOTWMS COMMS TEST 12 JUNE 2024 - NOT A REAL TSUNAMI EVENT

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TEST TSUNAMI STARTUP MESSAGE NOTIFICATION IOTWMS TSUNAMI SERVICE PROVIDER INDIA
(ITEWC) ISSUED AT 0559 UTC WEDNESDAY 12 JUNE 2024

TO: INDIAN OCEAN NATIONAL TSUNAMI WARNING CENTRES (NTWC)

FROM: IOTWMS-TSP INDIA

A IOTWMS COMMS TEST IS ABOUT TO COMMENCE.

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

THIS IS A TEST ONLY.

END OF TEST NOTIFICATION MESSAGE.

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IOTWMS COMMS TEST 12 JUNE 2024 - NOT A REAL TSUNAMI EVENT

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

TSP INDIA Message 1

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#  
#   TEST   TEST   TEST   -   IOTWMS COMMS TEST - NOT A REAL TSUNAMI EVENT  
#  
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TSUNAMI BULLETIN NUMBER 1 (TYPE-I EARTHQUAKE BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWC)
ISSUED AT 0605 UTC WEDNESDAY 12 JUNE 2024

... 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: 12 JUN 2024
Origin Time: 0600UTC
Latitude: 6.94 S
Longitude: 104.7 E
Location: SUNDA STRAIT, INDONESIA

2. EVALUATION

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

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

3. ADVICE

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

4. OTHER INDIAN OCEAN TSUNAMI SERVICE PROVIDERS:

Other IOTWMS-TSPs may issue additional information at:

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

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

5. CONTACT INFORMATION

INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)
INDIAN NATIONAL CENTRE FOR OCEAN INFORMATION SERVICES (INCOIS)
ADDRESS: "OCEAN VALLEY", PRAGATHI NAGAR (BO), NIZAMPET (SO),
HYDERABAD - 500 090, INDIA
PHONE: 91-40-23895011
FAX: 91-40-23895012
EMAIL: tsunami@incois.gov.in
WEB: www.incois.gov.in

END OF BULLETIN

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#  
#   TEST   TEST   TEST   -   IOTWMS COMMS TEST - NOT A REAL TSUNAMI EVENT  
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Appendix H: Test Messages Transmitted by each TSP (continued)

TSP INDIA Message 2

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

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TSUNAMI BULLETIN NUMBER 2 (TYPE-II THREAT ASSESSMENT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDIA (ITEWS)
ISSUED AT 0616 UTC Wednesday 12 June 2024

... 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 details:

Magnitude: 9 M
Depth: 10 km
Date: 12 JUN 2024
Origin Time: 0600 UTC
Latitude: 6.94 S
Longitude: 104.7 E
Location: SUNDA STRAIT, INDONESIA

2. EVALUATION

Earthquakes of this size are capable of generating tsunamis. However, so far there is no confirmation about the triggering of a tsunami.
An investigation is under way to determine if a tsunami has been triggered.
This TSP will monitor sea level gauges and report if any tsunami wave activity has occurred.
Based on pre-run model scenarios, the zones listed below are POTENTIALLY UNDER THREAT.

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

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

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

AUSTRALIA

CHRISTMAS ISLAND	0623z	12 Jun 2024	3.3m	Threat
COCOS ISLAND	0717z	12 Jun 2024	1.2m	Threat
NINGALOO COAST	0836z	12 Jun 2024	1.8m	Threat
PILBARA COAST WEST	0901z	12 Jun 2024	3.0m	Threat
GASCOYNE COAST	0921z	12 Jun 2024	1.7m	Threat
PILBARA COAST EAST	0936z	12 Jun 2024	2.0m	Threat
GERALDTON COAST	1001z	12 Jun 2024	1.8m	Threat
WEST KIMBERLY COAST	1002z	12 Jun 2024	1.4m	Threat
PERTH COAST	1038z	12 Jun 2024	1.2m	Threat
BUNBURY GEOGRAPHE COAST	1047z	12 Jun 2024	1.2m	Threat
LEEUEWIN COAST	1048z	12 Jun 2024	1.1m	Threat
NORTH KIMBERLY COAST	1106z	12 Jun 2024	0.8m	Threat

HEARD ISLAND AND MCDONALD ISLANDS	1531z	12	Jun	2024	1.5m	Threat
AURORA BANK	1610z	12	Jun	2024	0.8m	Threat
ALBANY COAST	1612z	12	Jun	2024	1.1m	Threat
LANCELIN COAST	1639z	12	Jun	2024	1.1m	Threat
BEAGLE BONAPARTE COAST	0024z	13	Jun	2024	0.6m	Threat
NORTH TIWI COAST	0625z	13	Jun	2024	0.6m	Threat
BANGLADESH						

COXS BAZAR	0210z	13	Jun	2024	0.7m	Threat
DJIBOUTI						

NW ARTA	2153z	12	Jun	2024	0.6m	Threat
FRANCE						

LLE SAINT-PAUL-NORTH	1222z	12	Jun	2024	0.6m	Threat
LLE SAINT-PAUL-SOUTH	1231z	12	Jun	2024	1.4m	Threat
ILE KERGUELEN	1508z	12	Jun	2024	3.4m	Threat
ILE DE LA POSSESSION	1554z	12	Jun	2024	1.4m	Threat
CROZET PLATEAU	1615z	12	Jun	2024	1.5m	Threat
SAINT - JOSEPH	1949z	12	Jun	2024	0.5m	Threat
INDIA						

POOMBUHAR	1108z	12	Jun	2024	1.0m	Threat
KARAIKAL	1113z	12	Jun	2024	1.2m	Threat
CUDDALORE	1114z	12	Jun	2024	1.3m	Threat
ENNORE	1118z	12	Jun	2024	1.0m	Threat
MARAKKANAM	1118z	12	Jun	2024	1.0m	Threat
MAHABALIPURAM	1121z	12	Jun	2024	1.5m	Threat
PUDUCHERRY	1124z	12	Jun	2024	1.3m	Threat
CHENNAI	1126z	12	Jun	2024	1.2m	Threat
NAGAPATTINAM	1129z	12	Jun	2024	1.0m	Threat
SRIHARIKOTA	1136z	12	Jun	2024	1.2m	Threat
MACHILIPATNAM	1139z	12	Jun	2024	1.0m	Threat
PORT BLAIR	1142z	12	Jun	2024	1.1m	Threat
PERUPALEM	1143z	12	Jun	2024	0.7m	Threat
KAKINADA	1145z	12	Jun	2024	0.9m	Threat
KANYAKUMARI	1151z	12	Jun	2024	1.2m	Threat
KOTTAPATNAM	1152z	12	Jun	2024	1.8m	Threat
VISAKHAPATNAM	1200z	12	Jun	2024	0.8m	Threat
FLAT ISLAND	1242z	12	Jun	2024	0.8m	Threat
INDIRA POINT	1331z	12	Jun	2024	1.0m	Threat
MALLIPATTINAM	1340z	12	Jun	2024	0.7m	Threat
MUTHUPET	1346z	12	Jun	2024	0.6m	Threat
NIJAMPATTANAM	1353z	12	Jun	2024	1.6m	Threat
RAMESWARAM	1355z	12	Jun	2024	0.7m	Threat
TUTICORIN	1359z	12	Jun	2024	1.3m	Threat
KONADA	1403z	12	Jun	2024	0.9m	Threat
GOPALPUR	1404z	12	Jun	2024	0.7m	Threat
KALINGAPATNAM	1406z	12	Jun	2024	1.1m	Threat
KOODANKULAM	1408z	12	Jun	2024	1.2m	Threat
KOTTTAIPPATTANAM	1438z	12	Jun	2024	0.6m	Threat
ALLEPPEY ALAPPUZHA	1455z	12	Jun	2024	0.7m	Threat
AGATTI	1456z	12	Jun	2024	0.5m	Threat
PURI	1516z	12	Jun	2024	0.7m	Threat
HAVELOCK	1545z	12	Jun	2024	0.9m	Threat
COCHIN	1546z	12	Jun	2024	0.7m	Threat
RANGATH BAY	1549z	12	Jun	2024	0.6m	Threat
CAR NICOBAR	1606z	12	Jun	2024	0.6m	Threat
NORTH SENTINEL ISLAND	1733z	12	Jun	2024	0.6m	Threat
KARWAR	1807z	12	Jun	2024	0.8m	Threat
KOMATRA & KATCHAL ISLAND	1826z	12	Jun	2024	0.8m	Threat
JAMBOO	1835z	12	Jun	2024	0.6m	Threat

LITTLE ANDAMAN	1845z	12	Jun	2024	0.9m	Threat
QUILON	1903z	12	Jun	2024	0.7m	Threat
TRIVANDRUM	1904z	12	Jun	2024	0.8m	Threat
BEYPORE	1929z	12	Jun	2024	0.6m	Threat
VADANAPPALLY	2026z	12	Jun	2024	0.7m	Threat
DIGHA	2136z	12	Jun	2024	0.7m	Threat
WEST & LANDFALL ISLAND	0030z	13	Jun	2024	0.5m	Threat
UDUPI	0310z	13	Jun	2024	0.6m	Threat
KASARAGOD	0328z	13	Jun	2024	0.6m	Threat
KANNUR	0329z	13	Jun	2024	0.7m	Threat
VAKKAD	0435z	13	Jun	2024	0.5m	Threat

INDONESIA

BANTEN PANDEGLANG P.PANAITAN	0602z	12	Jun	2024	12.5m	Threat
LAMPUNG TANGGAMUS B	0602z	12	Jun	2024	10.8m	Threat
BANTEN LEBAK	0603z	12	Jun	2024	5.3m	Threat
JABAR SUKABUMI PELABUHAN-RATU	0603z	12	Jun	2024	6.8m	Threat
JABAR SUKABUMI UJUNG-GENTENG	0604z	12	Jun	2024	7.7m	Threat
JABAR CIANJUR SINDANGBARANG	0604z	12	Jun	2024	6.2m	Threat
BANTEN PANDEGLANG U	0604z	12	Jun	2024	6.6m	Threat
BANTEN PANDEGLANG S	0605z	12	Jun	2024	7.1m	Threat
JABAR GARUT	0607z	12	Jun	2024	9.6m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0609z	12	Jun	2024	11.7m	Threat
JABAR TASIKMALAYA	0609z	12	Jun	2024	4.5m	Threat
LAMPUNG TANGGAMUS P.TABUAN	0611z	12	Jun	2024	5.8m	Threat
LAMPUNG TANGGAMUS T	0612z	12	Jun	2024	9.1m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0613z	12	Jun	2024	8.1m	Threat
LAMPUNG LAMPUNG-SELATAN KALIANDA	0616z	12	Jun	2024	7.2m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0616z	12	Jun	2024	6.4m	Threat
JABAR CIAMIS	0617z	12	Jun	2024	4.6m	Threat
LAMPUNG LAMPUNG-SELATAN B	0618z	12	Jun	2024	4.2m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0620z	12	Jun	2024	7.3m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0621z	12	Jun	2024	6.3m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0621z	12	Jun	2024	5.1m	Threat
BENGKULU BENGKULU-UTARA P.ENGGANO	0624z	12	Jun	2024	6.2m	Threat
BENGKULU KAUR	0624z	12	Jun	2024	5.2m	Threat
BENGKULU BENGKULU-SELATAN	0629z	12	Jun	2024	3.3m	Threat
JATENG CILACAP	0632z	12	Jun	2024	3.0m	Threat
JATENG PURWOREJO	0634z	12	Jun	2024	2.1m	Threat
JATENG KEBUMEN	0636z	12	Jun	2024	2.4m	Threat
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0636z	12	Jun	2024	9.6m	Threat
BANTEN KOTA-CILEGON P.SANGIANG	0637z	12	Jun	2024	4.9m	Threat
BANTEN SERANG B	0638z	12	Jun	2024	5.7m	Threat
DIY KULON-PROGO	0639z	12	Jun	2024	2.2m	Threat
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0642z	12	Jun	2024	5.8m	Threat
DIY BANTUL	0642z	12	Jun	2024	2.0m	Threat
DIY GUNUNG-KIDUL	0644z	12	Jun	2024	2.9m	Threat
BENGKULU SELUMA	0647z	12	Jun	2024	3.7m	Threat
JATENG WONOGIRI	0651z	12	Jun	2024	2.7m	Threat
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0652z	12	Jun	2024	3.7m	Threat
JATIM PACITAN	0652z	12	Jun	2024	2.8m	Threat
BANTEN KOTA-CILEGON	0653z	12	Jun	2024	7.3m	Threat
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0659z	12	Jun	2024	3.4m	Threat
JATIM TRENGGALEK	0659z	12	Jun	2024	3.0m	Threat
BENGKULU BENGKULU-UTARA U	0702z	12	Jun	2024	2.2m	Threat
JATIM TULUNGAGUNG	0705z	12	Jun	2024	2.9m	Threat
BENGKULU BENGKULU-UTARA S	0706z	12	Jun	2024	4.0m	Threat
JATIM BLITAR	0708z	12	Jun	2024	2.5m	Threat
JATIM MALANG	0710z	12	Jun	2024	2.2m	Threat
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0713z	12	Jun	2024	1.7m	Threat
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0713z	12	Jun	2024	1.3m	Threat
JATIM JEMBER P.NUSABARUNG	0715z	12	Jun	2024	2.2m	Threat
MUARASIBERUT	0717z	12	Jun	2024	7.1m	Threat
JATIM BANYUWANGI S	0719z	12	Jun	2024	1.3m	Threat
BENGKULU MUKOMUKO	0719z	12	Jun	2024	2.4m	Threat

JATIM LUMAJANG	0720z	12	Jun	2024	3.5m	Threat
JATIM JEMBER	0721z	12	Jun	2024	2.7m	Threat
BALI DENPASAR PANTAI-SANUR	0728z	12	Jun	2024	1.4m	Threat
SUMBAR PESISIR-SELATAN S	0732z	12	Jun	2024	2.3m	Threat
BALI BADUNG PANTAI-KUTA	0733z	12	Jun	2024	1.5m	Threat
BALI TABANAN	0735z	12	Jun	2024	1.5m	Threat
BALI KLUNGKUNG P.NUSAPENIDA	0736z	12	Jun	2024	1.5m	Threat
SUMUT NIAS-SELATAN P.TANABALA	0737z	12	Jun	2024	1.3m	Threat
NTB LOMBOK-TENGAH	0739z	12	Jun	2024	2.0m	Threat
NTB LOMBOK-BARAT S	0743z	12	Jun	2024	1.2m	Threat
NTB LOMBOK-TIMUR S	0745z	12	Jun	2024	1.4m	Threat
NTB SUMBAWA B	0746z	12	Jun	2024	1.3m	Threat
SUMBAR PESISIR-SELATAN U	0752z	12	Jun	2024	1.4m	Threat
SAKUBO	0758z	12	Jun	2024	1.0m	Threat
NTB SUMBAWA S	0801z	12	Jun	2024	1.4m	Threat
SUMBAR KOTA-PADANG S	0802z	12	Jun	2024	1.4m	Threat
SUMUT NIAS B	0803z	12	Jun	2024	1.2m	Threat
MURASAIBI	0803z	12	Jun	2024	1.1m	Threat
NTB KOTA-BIMA S	0807z	12	Jun	2024	2.1m	Threat
NTT SUMBA B	0808z	12	Jun	2024	1.2m	Threat
MUARASIGEP	0808z	12	Jun	2024	1.1m	Threat
SUMBAR KOTA-PADANG U	0808z	12	Jun	2024	1.4m	Threat
SUMBAR KOTA-PADANG U	0808z	12	Jun	2024	2.5m	Threat
NTB DOMPU S	0809z	12	Jun	2024	0.8m	Threat
SUMBAR PADANG-PARIAMAN U	0813z	12	Jun	2024	1.7m	Threat
NTT SUMBA T	0814z	12	Jun	2024	1.2m	Threat
SUMBAR PADANG-PARIAMAN S	0814z	12	Jun	2024	1.4m	Threat
SUMBAR AGAM	0821z	12	Jun	2024	1.7m	Threat
NTT MANGGARAI-BARAT P.	0822z	12	Jun	2024	1.0m	Threat
NTT MANGGARAI-BARAT S	0836z	12	Jun	2024	1.0m	Threat
NIAS-EAST	0840z	12	Jun	2024	1.8m	Threat
SUMBAR KOTA-PARIAMAN	0841z	12	Jun	2024	1.6m	Threat
SUMUT MANDAILING-NATAL S	0906z	12	Jun	2024	1.6m	Threat
NTT KUPANG	0908z	12	Jun	2024	1.0m	Threat
NTT ROTENDAO	0924z	12	Jun	2024	0.9m	Threat
NTT KOTA-KUPANG	0931z	12	Jun	2024	1.1m	Threat
PANTE MACASSAR	0935z	12	Jun	2024	0.5m	Threat
NAD ACEH-SINGKIL KEP.BANYAK	0936z	12	Jun	2024	1.2m	Threat
NTT ALOR S	0939z	12	Jun	2024	0.5m	Threat
NTT BELU U	0947z	12	Jun	2024	0.5m	Threat
SUMUT TAPANULI-TENGAH KEP.MURSALA	1000z	12	Jun	2024	1.9m	Threat
NTT MANGGARAI S	1012z	12	Jun	2024	1.0m	Threat
SUMUT NIAS-SELATAN P.NIAS	1033z	12	Jun	2024	1.7m	Threat
NIAS	1101z	12	Jun	2024	1.6m	Threat
NAD ACEH-BARAT	1105z	12	Jun	2024	1.0m	Threat
NAD ACEH-BARAT-DAYA	1200z	12	Jun	2024	0.9m	Threat
NTT FLORES-TIMUR S	1210z	12	Jun	2024	0.8m	Threat
SUMUT MANDAILING-NATAL U	1212z	12	Jun	2024	1.7m	Threat
NAD ACEH-SELATAN S	1214z	12	Jun	2024	1.2m	Threat
NTT LEMBATA S	1229z	12	Jun	2024	0.6m	Threat
NAD NAGAN-RAYA	1252z	12	Jun	2024	0.9m	Threat
NIAS-NORTH	1310z	12	Jun	2024	1.1m	Threat
SUMUT TAPANULI-SELATAN	1329z	12	Jun	2024	1.8m	Threat
SUMUT TAPANULI-TENGAH S	1341z	12	Jun	2024	2.0m	Threat
SUMUT TAPANULI-TENGAH U	1433z	12	Jun	2024	1.2m	Threat
NTB BIMA P.GILI	1434z	12	Jun	2024	0.6m	Threat
NAD SIMEULUE P.SIMEULUE	1508z	12	Jun	2024	1.0m	Threat
GUNUNGSITOLI	1601z	12	Jun	2024	1.0m	Threat
SOUTH OF BODAHAYIONE	1620z	12	Jun	2024	0.9m	Threat
NAD ACEH-BESAR P.BREUEH	1721z	12	Jun	2024	0.5m	Threat
NAD ACEH-JAYA	1813z	12	Jun	2024	0.7m	Threat
SUMUT NIAS-SELATAN P.TANAHMASA	1845z	12	Jun	2024	0.8m	Threat
NAD ACEH-BESAR B	1856z	12	Jun	2024	0.7m	Threat
NTT FLORES-TIMUR P.SOLOR	1900z	12	Jun	2024	0.6m	Threat
NAD ACEH-SINGKIL	1925z	12	Jun	2024	0.9m	Threat
NAD ACEH-SELATAN U	2125z	12	Jun	2024	0.6m	Threat

NAD ACEH-UTARA T	0149z	13	Jun	2024	0.5m	Threat
NAD KOTA-BANDA-ACEH	0527z	13	Jun	2024	0.6m	Threat
NTT SIKKA S	0550z	13	Jun	2024	0.6m	Threat

KENYA

MALINDI	2232z	12	Jun	2024	0.9m	Threat
KISIMACHANDE	0212z	13	Jun	2024	0.5m	Threat

MADAGASCAR

TOAMASINA AIRPORT	1454z	12	Jun	2024	1.2m	Threat
AMBAHY	1458z	12	Jun	2024	1.7m	Threat
FARAFAGANA	1505z	12	Jun	2024	1.5m	Threat
MANANTENINA	1515z	12	Jun	2024	1.2m	Threat
TAMPOLO	1734z	12	Jun	2024	1.1m	Threat
SAMPONA	1759z	12	Jun	2024	1.1m	Threat
VOHEMAR	2205z	12	Jun	2024	0.8m	Threat
ANDROKA	0357z	13	Jun	2024	0.5m	Threat
GLORIOSO ISLANDS	0649z	13	Jun	2024	0.5m	Threat

MALDIVES

HITHADHOO	1101z	12	Jun	2024	0.6m	Threat
DHIYAMIGILI	1108z	12	Jun	2024	1.8m	Threat
KULHUDUFFUSHI	1110z	12	Jun	2024	1.9m	Threat
MALE	1112z	12	Jun	2024	1.1m	Threat
KOLHUFUSHI	1114z	12	Jun	2024	0.9m	Threat
FERIDHOO	1308z	12	Jun	2024	0.7m	Threat
NILANDHOO	1320z	12	Jun	2024	1.0m	Threat
THINADHOO	1342z	12	Jun	2024	0.9m	Threat
GOIDHOO	1545z	12	Jun	2024	0.6m	Threat

MAURITIUS

LA FERME	1243z	12	Jun	2024	0.9m	Threat
GRANDE REVIERE SUD EST-EAST	1414z	12	Jun	2024	0.7m	Threat
CARGADOS CARAJOS	1602z	12	Jun	2024	1.1m	Threat

MOZAMBIQUE

MAGUEMBA	1940z	12	Jun	2024	0.7m	Threat
MALUANA	0037z	13	Jun	2024	1.0m	Threat
MAGANJA	0046z	13	Jun	2024	0.7m	Threat
INHARRIME	0121z	13	Jun	2024	0.7m	Threat
TAVARI	0134z	13	Jun	2024	0.8m	Threat
MAPUTO	0237z	13	Jun	2024	0.9m	Threat
XAI-XAI	0257z	13	Jun	2024	0.8m	Threat
ZAVALA	0509z	13	Jun	2024	0.7m	Threat
VILANKULO	0647z	13	Jun	2024	0.5m	Threat

MYANMAR

MAWYEN	1658z	12	Jun	2024	0.7m	Threat
KYWEGYAUNG	2315z	12	Jun	2024	0.6m	Threat
CHEDUBA ISLAND	0325z	13	Jun	2024	0.6m	Threat

OMAN

SALALAH	1715z	12	Jun	2024	0.7m	Threat
HASIK	2142z	12	Jun	2024	0.6m	Threat
AD DUQM	2337z	12	Jun	2024	0.6m	Threat
AL ASHKHARAH	0517z	13	Jun	2024	0.5m	Threat

SEYCHELLES

FREGATE ISLAND	1707z	12	Jun	2024	0.8m	Threat
TAKAMAKA	0232z	13	Jun	2024	0.5m	Threat

SOMALIA

TOOXIN	1541z	12	Jun	2024	1.2m	Threat
BANDER-BEYLA	1726z	12	Jun	2024	1.0m	Threat
XARARDHEERE	1752z	12	Jun	2024	1.0m	Threat
CEEL DHEER	1801z	12	Jun	2024	0.8m	Threat
GALDOGOB	1849z	12	Jun	2024	0.8m	Threat
JARIIBAN	1919z	12	Jun	2024	0.7m	Threat
MUQDISHO	1931z	12	Jun	2024	0.6m	Threat
ABO	2045z	12	Jun	2024	0.9m	Threat
MAREEG	2146z	12	Jun	2024	0.6m	Threat
EYL	2207z	12	Jun	2024	0.6m	Threat
NE BEERNAASI	0448z	13	Jun	2024	0.6m	Threat
UARSCIECH	0639z	13	Jun	2024	0.5m	Threat

SOUTH AFRICA

FUNK SEAMOUNT	1824z	12	Jun	2024	1.1m	Threat
MARSHSTRAND	2004z	12	Jun	2024	1.1m	Threat
BATHURST	2043z	12	Jun	2024	1.0m	Threat
LAKE SIBAYI	2105z	12	Jun	2024	0.6m	Threat
KAYSERS BEACH	2111z	12	Jun	2024	0.9m	Threat
PORT ELIZABETH	2133z	12	Jun	2024	0.9m	Threat
PORT ST JOHNS	2148z	12	Jun	2024	0.9m	Threat
MANDI	2202z	12	Jun	2024	1.2m	Threat
PORT DURNFORD	2225z	12	Jun	2024	0.7m	Threat
BREDASDORP	2315z	12	Jun	2024	1.0m	Threat
GEORGE	2330z	12	Jun	2024	0.7m	Threat
MOSSEL	2332z	12	Jun	2024	1.3m	Threat
GWABALANDA HITAWI	2341z	12	Jun	2024	0.7m	Threat
ALEXANDRIA	2354z	12	Jun	2024	0.7m	Threat
WITAAND	0008z	13	Jun	2024	1.4m	Threat
KOSIMEER	0029z	13	Jun	2024	0.6m	Threat
LUSIKISIKI	0039z	13	Jun	2024	1.0m	Threat
GAMTOOS	0101z	13	Jun	2024	0.7m	Threat
ELLIOTDALE	0109z	13	Jun	2024	0.6m	Threat
HEIDELBERG	0115z	13	Jun	2024	0.8m	Threat
ZIKHOVA	0123z	13	Jun	2024	0.8m	Threat
PEDDIE	0153z	13	Jun	2024	0.7m	Threat
WILLOWVALE	0155z	13	Jun	2024	0.7m	Threat
MARGATE	0210z	13	Jun	2024	0.7m	Threat
ABORETUM	0210z	13	Jun	2024	0.9m	Threat
KENTANI	0219z	13	Jun	2024	0.8m	Threat
BIZANA	0417z	13	Jun	2024	0.6m	Threat

SRI LANKA

BATTICALOA	1008z	12	Jun	2024	0.9m	Threat
KIRINDA	1024z	12	Jun	2024	1.3m	Threat
HAMBANTOTA	1026z	12	Jun	2024	1.5m	Threat
MULLAITTIVU	1043z	12	Jun	2024	0.9m	Threat
AKKARAIPATTU	1108z	12	Jun	2024	0.8m	Threat
OKANDA	1131z	12	Jun	2024	0.8m	Threat
TANGALLE	1139z	12	Jun	2024	0.5m	Threat
KATTANKUDI	1144z	12	Jun	2024	1.4m	Threat
CHUNDIKKULAM	1217z	12	Jun	2024	1.2m	Threat
CHAVAKACHCHERI	1319z	12	Jun	2024	0.9m	Threat
POINT PEDRO	1337z	12	Jun	2024	0.9m	Threat
MATARA	1342z	12	Jun	2024	0.8m	Threat
MANNAR ISLAND	1428z	12	Jun	2024	0.6m	Threat
COLOMBO	1431z	12	Jun	2024	0.9m	Threat
GALLE	1442z	12	Jun	2024	0.9m	Threat
ANAITIVU	1443z	12	Jun	2024	0.6m	Threat

AMBALANGODA	1447z	12	Jun	2024	0.6m	Threat
PANKULAM	1533z	12	Jun	2024	0.8m	Threat
MUNDAL LAKE	1626z	12	Jun	2024	0.6m	Threat
BERUWALA	1924z	12	Jun	2024	0.7m	Threat
MORATUWA	1935z	12	Jun	2024	0.7m	Threat
POTTUVIL	2320z	12	Jun	2024	0.8m	Threat
NEGOMBO	0226z	13	Jun	2024	0.5m	Threat
TANZANIA						

WEST TO KONDE	0008z	13	Jun	2024	0.5m	Threat
VUMBI	0444z	13	Jun	2024	0.5m	Threat
MSASANI	0549z	13	Jun	2024	0.7m	Threat
BAGAMOYO	0628z	13	Jun	2024	0.5m	Threat
THAILAND						

THAI MUEANG TAKUA PA	0322z	13	Jun	2024	0.7m	Threat
KO RACHA NOI	0622z	13	Jun	2024	0.6m	Threat
TIMOR-LESTE						

PANTE MACASSAR	0931z	12	Jun	2024	0.5m	Threat
UNITED KINGDOM						

DIEGO GARCIA	1210z	12	Jun	2024	1.0m	Threat
MORESBY ISLAND	1441z	12	Jun	2024	0.6m	Threat
YEMEN						

SOCOTRA ISLAND SOUTH	1538z	12	Jun	2024	0.9m	Threat
AL GHAYDAH AIRPORT	1538z	12	Jun	2024	0.8m	Threat
SOCOTRA ISLAND NORTH	1837z	12	Jun	2024	0.8m	Threat
HUSWAYN	2106z	12	Jun	2024	0.6m	Threat
HAMI	2158z	12	Jun	2024	0.5m	Threat
DAMQAWT	2348z	12	Jun	2024	0.6m	Threat
MAALLAH	0111z	13	Jun	2024	0.5m	Threat
ALQUMRAH	0421z	13	Jun	2024	0.5m	Threat

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

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

4. ADVICE

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

5. UPDATES

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

Other TSPs may issue additional information at:

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

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

6. CONTACT INFORMATION

IOTWMS-TSP INDIA:

INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)

Indian National Centre for Ocean Information Services (INCOIS)

IOC Reference: ICG/IOTWMS/COMMS/ER/Jun24

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

TEST TEST TEST - 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

TEST TEST TEST - 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 0629 UTC Wednesday 12 June 2024

... 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 details:

Magnitude: 9 M
Depth: 10 km
Date: 12 JUN 2024
Origin Time: 0600UTC
Latitude: 6.94 S
Longitude: 104.7 E
Location: SUNDA STRAIT, INDONESIA

2. EVALUATION

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

Enggano (INDONESIA) 5.35 S 102.28 E 0610z 12 Jun 2024 8.5m
Christmas Island (AUSTRALIA) 10.4 S 105.67 E 0616z 12 Jun 2024 5.2m

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

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

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

AUSTRALIA

CHRISTMAS ISLAND	0623z	12 Jun 2024	3.3m	Threat
COCOS ISLAND	0717z	12 Jun 2024	1.2m	Threat
NINGALOO COAST	0836z	12 Jun 2024	1.8m	Threat
PILBARA COAST WEST	0901z	12 Jun 2024	3.0m	Threat
GASCOYNE COAST	0921z	12 Jun 2024	1.7m	Threat
PILBARA COAST EAST	0936z	12 Jun 2024	2.0m	Threat
GERALDTON COAST	1001z	12 Jun 2024	1.8m	Threat
WEST KIMBERLY COAST	1002z	12 Jun 2024	1.4m	Threat
PERTH COAST	1038z	12 Jun 2024	1.2m	Threat
BUNBURY GEOGRAPHE COAST	1047z	12 Jun 2024	1.2m	Threat
LEEUEWIN COAST	1048z	12 Jun 2024	1.1m	Threat
NORTH KIMBERLY COAST	1106z	12 Jun 2024	0.8m	Threat

HEARD ISLAND AND MCDONALD ISLANDS	1531z	12	Jun	2024	1.5m	Threat
AURORA BANK	1610z	12	Jun	2024	0.8m	Threat
ALBANY COAST	1612z	12	Jun	2024	1.1m	Threat
LANCELIN COAST	1639z	12	Jun	2024	1.1m	Threat
BEAGLE BONAPARTE COAST	0024z	13	Jun	2024	0.6m	Threat
NORTH TIWI COAST	0625z	13	Jun	2024	0.6m	Threat
BANGLADESH						

COXS BAZAR	0210z	13	Jun	2024	0.7m	Threat
DJIBOUTI						

NW ARTA	2153z	12	Jun	2024	0.6m	Threat
FRANCE						

LLE SAINT-PAUL-NORTH	1222z	12	Jun	2024	0.6m	Threat
LLE SAINT-PAUL-SOUTH	1231z	12	Jun	2024	1.4m	Threat
ILE KERGUELEN	1508z	12	Jun	2024	3.4m	Threat
ILE DE LA POSSESSION	1554z	12	Jun	2024	1.4m	Threat
CROZET PLATEAU	1615z	12	Jun	2024	1.5m	Threat
SAINT - JOSEPH	1949z	12	Jun	2024	0.5m	Threat
INDIA						

POOMBUHAR	1108z	12	Jun	2024	1.0m	Threat
KARAIKAL	1113z	12	Jun	2024	1.2m	Threat
CUDDALORE	1114z	12	Jun	2024	1.3m	Threat
ENNORE	1118z	12	Jun	2024	1.0m	Threat
MARAKKANAM	1118z	12	Jun	2024	1.0m	Threat
MAHABALIPURAM	1121z	12	Jun	2024	1.5m	Threat
PUDUCHERRY	1124z	12	Jun	2024	1.3m	Threat
CHENNAI	1126z	12	Jun	2024	1.2m	Threat
NAGAPATTINAM	1129z	12	Jun	2024	1.0m	Threat
SRIHARIKOTA	1136z	12	Jun	2024	1.2m	Threat
MACHILIPATNAM	1139z	12	Jun	2024	1.0m	Threat
PORT BLAIR	1142z	12	Jun	2024	1.1m	Threat
PERUPALEM	1143z	12	Jun	2024	0.7m	Threat
KAKINADA	1145z	12	Jun	2024	0.9m	Threat
KANYAKUMARI	1151z	12	Jun	2024	1.2m	Threat
KOTTAPATNAM	1152z	12	Jun	2024	1.8m	Threat
VISAKHAPATNAM	1200z	12	Jun	2024	0.8m	Threat
FLAT ISLAND	1242z	12	Jun	2024	0.8m	Threat
INDIRA POINT	1331z	12	Jun	2024	1.0m	Threat
MALLIPATTINAM	1340z	12	Jun	2024	0.7m	Threat
MUTHUPET	1346z	12	Jun	2024	0.6m	Threat
NIJAMPATTANAM	1353z	12	Jun	2024	1.6m	Threat
RAMESWARAM	1355z	12	Jun	2024	0.7m	Threat
TUTICORIN	1359z	12	Jun	2024	1.3m	Threat
KONADA	1403z	12	Jun	2024	0.9m	Threat
GOPALPUR	1404z	12	Jun	2024	0.7m	Threat
KALINGAPATNAM	1406z	12	Jun	2024	1.1m	Threat
KOODANKULAM	1408z	12	Jun	2024	1.2m	Threat
KOTTTAIPPATTANAM	1438z	12	Jun	2024	0.6m	Threat
ALLEPPEY ALAPPUZHA	1455z	12	Jun	2024	0.7m	Threat
AGATTI	1456z	12	Jun	2024	0.5m	Threat
PURI	1516z	12	Jun	2024	0.7m	Threat
HAVELOCK	1545z	12	Jun	2024	0.9m	Threat
COCHIN	1546z	12	Jun	2024	0.7m	Threat
RANGATH BAY	1549z	12	Jun	2024	0.6m	Threat
CAR NICOBAR	1606z	12	Jun	2024	0.6m	Threat
NORTH SENTINEL ISLAND	1733z	12	Jun	2024	0.6m	Threat
KARWAR	1807z	12	Jun	2024	0.8m	Threat
KOMATRA & KATCHAL ISLAND	1826z	12	Jun	2024	0.8m	Threat
JAMBOO	1835z	12	Jun	2024	0.6m	Threat

LITTLE ANDAMAN	1845z	12	Jun	2024	0.9m	Threat
QUILON	1903z	12	Jun	2024	0.7m	Threat
TRIVANDRUM	1904z	12	Jun	2024	0.8m	Threat
BEYPORE	1929z	12	Jun	2024	0.6m	Threat
VADANAPPALLY	2026z	12	Jun	2024	0.7m	Threat
DIGHA	2136z	12	Jun	2024	0.7m	Threat
WEST & LANDFALL ISLAND	0030z	13	Jun	2024	0.5m	Threat
UDUPI	0310z	13	Jun	2024	0.6m	Threat
KASARAGOD	0328z	13	Jun	2024	0.6m	Threat
KANNUR	0329z	13	Jun	2024	0.7m	Threat
VAKKAD	0435z	13	Jun	2024	0.5m	Threat

INDONESIA

BANTEN PANDEGLANG P.PANAITAN	0602z	12	Jun	2024	12.5m	Threat
LAMPUNG TANGGAMUS B	0602z	12	Jun	2024	10.8m	Threat
BANTEN LEBAK	0603z	12	Jun	2024	5.3m	Threat
JABAR SUKABUMI PELABUHAN-RATU	0603z	12	Jun	2024	6.8m	Threat
JABAR SUKABUMI UJUNG-GENTENG	0604z	12	Jun	2024	7.7m	Threat
JABAR CIANJUR SINDANGBARANG	0604z	12	Jun	2024	6.2m	Threat
BANTEN PANDEGLANG U	0604z	12	Jun	2024	6.6m	Threat
BANTEN PANDEGLANG S	0605z	12	Jun	2024	7.1m	Threat
JABAR GARUT	0607z	12	Jun	2024	9.6m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0609z	12	Jun	2024	11.7m	Threat
JABAR TASIKMALAYA	0609z	12	Jun	2024	4.5m	Threat
LAMPUNG TANGGAMUS P.TABUAN	0611z	12	Jun	2024	5.8m	Threat
LAMPUNG TANGGAMUS T	0612z	12	Jun	2024	9.1m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	0613z	12	Jun	2024	8.1m	Threat
LAMPUNG LAMPUNG-SELATAN KALIANDA	0616z	12	Jun	2024	7.2m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	0616z	12	Jun	2024	6.4m	Threat
JABAR CIAMIS	0617z	12	Jun	2024	4.6m	Threat
LAMPUNG LAMPUNG-SELATAN B	0618z	12	Jun	2024	4.2m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0620z	12	Jun	2024	7.3m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0621z	12	Jun	2024	6.3m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0621z	12	Jun	2024	5.1m	Threat
BENGKULU BENGKULU-UTARA P.ENGGANO	0624z	12	Jun	2024	6.2m	Threat
BENGKULU KAUR	0624z	12	Jun	2024	5.2m	Threat
BENGKULU BENGKULU-SELATAN	0629z	12	Jun	2024	3.3m	Threat
JATENG CILACAP	0632z	12	Jun	2024	3.0m	Threat
JATENG PURWOREJO	0634z	12	Jun	2024	2.1m	Threat
JATENG KEBUMEN	0636z	12	Jun	2024	2.4m	Threat
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0636z	12	Jun	2024	9.6m	Threat
BANTEN KOTA-CILEGON P.SANGIANG	0637z	12	Jun	2024	4.9m	Threat
BANTEN SERANG B	0638z	12	Jun	2024	5.7m	Threat
DIY KULON-PROGO	0639z	12	Jun	2024	2.2m	Threat
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0642z	12	Jun	2024	5.8m	Threat
DIY BANTUL	0642z	12	Jun	2024	2.0m	Threat
DIY GUNUNG-KIDUL	0644z	12	Jun	2024	2.9m	Threat
BENGKULU SELUMA	0647z	12	Jun	2024	3.7m	Threat
JATENG WONOGIRI	0651z	12	Jun	2024	2.7m	Threat
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0652z	12	Jun	2024	3.7m	Threat
JATIM PACITAN	0652z	12	Jun	2024	2.8m	Threat
BANTEN KOTA-CILEGON	0653z	12	Jun	2024	7.3m	Threat
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0659z	12	Jun	2024	3.4m	Threat
JATIM TRENGGALEK	0659z	12	Jun	2024	3.0m	Threat
BENGKULU BENGKULU-UTARA U	0702z	12	Jun	2024	2.2m	Threat
JATIM TULUNGAGUNG	0705z	12	Jun	2024	2.9m	Threat
BENGKULU BENGKULU-UTARA S	0706z	12	Jun	2024	4.0m	Threat
JATIM BLITAR	0708z	12	Jun	2024	2.5m	Threat
JATIM MALANG	0710z	12	Jun	2024	2.2m	Threat
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0713z	12	Jun	2024	1.7m	Threat
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0713z	12	Jun	2024	1.3m	Threat
JATIM JEMBER P.NUSABARUNG	0715z	12	Jun	2024	2.2m	Threat
MUARASIBERUT	0717z	12	Jun	2024	7.1m	Threat
JATIM BANYUWANGI S	0719z	12	Jun	2024	1.3m	Threat
BENGKULU MUKOMUKO	0719z	12	Jun	2024	2.4m	Threat

JATIM LUMAJANG	0720z	12 Jun 2024	3.5m	Threat
JATIM JEMBER	0721z	12 Jun 2024	2.7m	Threat
BALI DENPASAR PANTAI-SANUR	0728z	12 Jun 2024	1.4m	Threat
SUMBAR PESISIR-SELATAN S	0732z	12 Jun 2024	2.3m	Threat
BALI BADUNG PANTAI-KUTA	0733z	12 Jun 2024	1.5m	Threat
BALI TABANAN	0735z	12 Jun 2024	1.5m	Threat
BALI KLUNGKUNG P.NUSAPENIDA	0736z	12 Jun 2024	1.5m	Threat
SUMUT NIAS-SELATAN P.TANABALA	0737z	12 Jun 2024	1.3m	Threat
NTB LOMBOK-TENGAH	0739z	12 Jun 2024	2.0m	Threat
NTB LOMBOK-BARAT S	0743z	12 Jun 2024	1.2m	Threat
NTB LOMBOK-TIMUR S	0745z	12 Jun 2024	1.4m	Threat
NTB SUMBAWA B	0746z	12 Jun 2024	1.3m	Threat
SUMBAR PESISIR-SELATAN U	0752z	12 Jun 2024	1.4m	Threat
SAKUBO	0758z	12 Jun 2024	1.0m	Threat
NTB SUMBAWA S	0801z	12 Jun 2024	1.4m	Threat
SUMBAR KOTA-PADANG S	0802z	12 Jun 2024	1.4m	Threat
SUMUT NIAS B	0803z	12 Jun 2024	1.2m	Threat
MURASAIBI	0803z	12 Jun 2024	1.1m	Threat
NTB KOTA-BIMA S	0807z	12 Jun 2024	2.1m	Threat
NTT SUMBA B	0808z	12 Jun 2024	1.2m	Threat
MUARASIGEP	0808z	12 Jun 2024	1.1m	Threat
SUMBAR KOTA-PADANG U	0808z	12 Jun 2024	1.4m	Threat
SUMBAR KOTA-PADANG U	0808z	12 Jun 2024	2.5m	Threat
NTB DOMPU S	0809z	12 Jun 2024	0.8m	Threat
SUMBAR PADANG-PARIAMAN U	0813z	12 Jun 2024	1.7m	Threat
NTT SUMBA T	0814z	12 Jun 2024	1.2m	Threat
SUMBAR PADANG-PARIAMAN S	0814z	12 Jun 2024	1.4m	Threat
SUMBAR AGAM	0821z	12 Jun 2024	1.7m	Threat
NTT MANGGARAI-BARAT P.	0822z	12 Jun 2024	1.0m	Threat
NTT MANGGARAI-BARAT S	0836z	12 Jun 2024	1.0m	Threat
NIAS-EAST	0840z	12 Jun 2024	1.8m	Threat
SUMBAR KOTA-PARIAMAN	0841z	12 Jun 2024	1.6m	Threat
SUMUT MANDAILING-NATAL S	0906z	12 Jun 2024	1.6m	Threat
NTT KUPANG	0908z	12 Jun 2024	1.0m	Threat
NTT ROTENDAO	0924z	12 Jun 2024	0.9m	Threat
NTT KOTA-KUPANG	0931z	12 Jun 2024	1.1m	Threat
PANTE MACASSAR	0935z	12 Jun 2024	0.5m	Threat
NAD ACEH-SINGKIL KEP.BANYAK	0936z	12 Jun 2024	1.2m	Threat
NTT ALOR S	0939z	12 Jun 2024	0.5m	Threat
NTT BELU U	0947z	12 Jun 2024	0.5m	Threat
SUMUT TAPANULI-TENGAH KEP.MURSALA	1000z	12 Jun 2024	1.9m	Threat
NTT MANGGARAI S	1012z	12 Jun 2024	1.0m	Threat
SUMUT NIAS-SELATAN P.NIAS	1033z	12 Jun 2024	1.7m	Threat
NIAS	1101z	12 Jun 2024	1.6m	Threat
NAD ACEH-BARAT	1105z	12 Jun 2024	1.0m	Threat
NAD ACEH-BARAT-DAYA	1200z	12 Jun 2024	0.9m	Threat
NTT FLORES-TIMUR S	1210z	12 Jun 2024	0.8m	Threat
SUMUT MANDAILING-NATAL U	1212z	12 Jun 2024	1.7m	Threat
NAD ACEH-SELATAN S	1214z	12 Jun 2024	1.2m	Threat
NTT LEMBATA S	1229z	12 Jun 2024	0.6m	Threat
NAD NAGAN-RAYA	1252z	12 Jun 2024	0.9m	Threat
NIAS-NORTH	1310z	12 Jun 2024	1.1m	Threat
SUMUT TAPANULI-SELATAN	1329z	12 Jun 2024	1.8m	Threat
SUMUT TAPANULI-TENGAH S	1341z	12 Jun 2024	2.0m	Threat
SUMUT TAPANULI-TENGAH U	1433z	12 Jun 2024	1.2m	Threat
NTB BIMA P.GILI	1434z	12 Jun 2024	0.6m	Threat
NAD SIMEULUE P.SIMEULUE	1508z	12 Jun 2024	1.0m	Threat
GUNUNGSITOLI	1601z	12 Jun 2024	1.0m	Threat
SOUTH OF BODAHAYIONE	1620z	12 Jun 2024	0.9m	Threat
NAD ACEH-BESAR P.BREUEH	1721z	12 Jun 2024	0.5m	Threat
NAD ACEH-JAYA	1813z	12 Jun 2024	0.7m	Threat
SUMUT NIAS-SELATAN P.TANAHMASA	1845z	12 Jun 2024	0.8m	Threat
NAD ACEH-BESAR B	1856z	12 Jun 2024	0.7m	Threat
NTT FLORES-TIMUR P.SOLOR	1900z	12 Jun 2024	0.6m	Threat
NAD ACEH-SINGKIL	1925z	12 Jun 2024	0.9m	Threat
NAD ACEH-SELATAN U	2125z	12 Jun 2024	0.6m	Threat

NAD ACEH-UTARA T	0149z	13	Jun	2024	0.5m	Threat
NAD KOTA-BANDA-ACEH	0527z	13	Jun	2024	0.6m	Threat
NTT SIKKA S	0550z	13	Jun	2024	0.6m	Threat

KENYA

MALINDI	2232z	12	Jun	2024	0.9m	Threat
KISIMACHANDE	0212z	13	Jun	2024	0.5m	Threat

MADAGASCAR

TOAMASINA AIRPORT	1454z	12	Jun	2024	1.2m	Threat
AMBAHY	1458z	12	Jun	2024	1.7m	Threat
FARAFAGANA	1505z	12	Jun	2024	1.5m	Threat
MANANTENINA	1515z	12	Jun	2024	1.2m	Threat
TAMPOLO	1734z	12	Jun	2024	1.1m	Threat
SAMPONA	1759z	12	Jun	2024	1.1m	Threat
VOHEMAR	2205z	12	Jun	2024	0.8m	Threat
ANDROKA	0357z	13	Jun	2024	0.5m	Threat
GLORIOSO ISLANDS	0649z	13	Jun	2024	0.5m	Threat

MALDIVES

HITHADHOO	1101z	12	Jun	2024	0.6m	Threat
DHIYAMIGILI	1108z	12	Jun	2024	1.8m	Threat
KULHUDUFFUSHI	1110z	12	Jun	2024	1.9m	Threat
MALE	1112z	12	Jun	2024	1.1m	Threat
KOLHUFUSHI	1114z	12	Jun	2024	0.9m	Threat
FERIDHOO	1308z	12	Jun	2024	0.7m	Threat
NILANDHOO	1320z	12	Jun	2024	1.0m	Threat
THINADHOO	1342z	12	Jun	2024	0.9m	Threat
GOIDHOO	1545z	12	Jun	2024	0.6m	Threat

MAURITIUS

LA FERME	1243z	12	Jun	2024	0.9m	Threat
GRANDE REVIERE SUD EST-EAST	1414z	12	Jun	2024	0.7m	Threat
CARGADOS CARAJOS	1602z	12	Jun	2024	1.1m	Threat

MOZAMBIQUE

MAGUEMBA	1940z	12	Jun	2024	0.7m	Threat
MALUANA	0037z	13	Jun	2024	1.0m	Threat
MAGANJA	0046z	13	Jun	2024	0.7m	Threat
INHARRIME	0121z	13	Jun	2024	0.7m	Threat
TAVARI	0134z	13	Jun	2024	0.8m	Threat
MAPUTO	0237z	13	Jun	2024	0.9m	Threat
XAI-XAI	0257z	13	Jun	2024	0.8m	Threat
ZAVALA	0509z	13	Jun	2024	0.7m	Threat
VILANKULO	0647z	13	Jun	2024	0.5m	Threat

MYANMAR

MAWYEN	1658z	12	Jun	2024	0.7m	Threat
KYWEGYAUNG	2315z	12	Jun	2024	0.6m	Threat
CHEDUBA ISLAND	0325z	13	Jun	2024	0.6m	Threat

OMAN

SALALAH	1715z	12	Jun	2024	0.7m	Threat
HASIK	2142z	12	Jun	2024	0.6m	Threat
AD DUQM	2337z	12	Jun	2024	0.6m	Threat
AL ASHKHARAH	0517z	13	Jun	2024	0.5m	Threat

SEYCHELLES

FREGATE ISLAND	1707z	12	Jun	2024	0.8m	Threat
TAKAMAKA	0232z	13	Jun	2024	0.5m	Threat

SOMALIA

TOOXIN	1541z	12	Jun	2024	1.2m	Threat
BANDER-BEYLA	1726z	12	Jun	2024	1.0m	Threat
XARARDHEERE	1752z	12	Jun	2024	1.0m	Threat
CEEL DHEER	1801z	12	Jun	2024	0.8m	Threat
GALDOGOB	1849z	12	Jun	2024	0.8m	Threat
JARIIBAN	1919z	12	Jun	2024	0.7m	Threat
MUQDISHO	1931z	12	Jun	2024	0.6m	Threat
ABO	2045z	12	Jun	2024	0.9m	Threat
MAREEG	2146z	12	Jun	2024	0.6m	Threat
EYL	2207z	12	Jun	2024	0.6m	Threat
NE BEERNAASI	0448z	13	Jun	2024	0.6m	Threat
UARSCIECH	0639z	13	Jun	2024	0.5m	Threat

SOUTH AFRICA

FUNK SEAMOUNT	1824z	12	Jun	2024	1.1m	Threat
MARSHSTRAND	2004z	12	Jun	2024	1.1m	Threat
BATHURST	2043z	12	Jun	2024	1.0m	Threat
LAKE SIBAYI	2105z	12	Jun	2024	0.6m	Threat
KAYSERS BEACH	2111z	12	Jun	2024	0.9m	Threat
PORT ELIZABETH	2133z	12	Jun	2024	0.9m	Threat
PORT ST JOHNS	2148z	12	Jun	2024	0.9m	Threat
MANDI	2202z	12	Jun	2024	1.2m	Threat
PORT DURNFORD	2225z	12	Jun	2024	0.7m	Threat
BREDASDORP	2315z	12	Jun	2024	1.0m	Threat
GEORGE	2330z	12	Jun	2024	0.7m	Threat
MOSSEL	2332z	12	Jun	2024	1.3m	Threat
GWABALANDA HITAWI	2341z	12	Jun	2024	0.7m	Threat
ALEXANDRIA	2354z	12	Jun	2024	0.7m	Threat
WITAAND	0008z	13	Jun	2024	1.4m	Threat
KOSIMEER	0029z	13	Jun	2024	0.6m	Threat
LUSIKISIKI	0039z	13	Jun	2024	1.0m	Threat
GAMTOOS	0101z	13	Jun	2024	0.7m	Threat
ELLIOTDALE	0109z	13	Jun	2024	0.6m	Threat
HEIDELBERG	0115z	13	Jun	2024	0.8m	Threat
ZIKHOVA	0123z	13	Jun	2024	0.8m	Threat
PEDDIE	0153z	13	Jun	2024	0.7m	Threat
WILLOWVALE	0155z	13	Jun	2024	0.7m	Threat
MARGATE	0210z	13	Jun	2024	0.7m	Threat
ABORETUM	0210z	13	Jun	2024	0.9m	Threat
KENTANI	0219z	13	Jun	2024	0.8m	Threat
BIZANA	0417z	13	Jun	2024	0.6m	Threat

SRI LANKA

BATTICALOA	1008z	12	Jun	2024	0.9m	Threat
KIRINDA	1024z	12	Jun	2024	1.3m	Threat
HAMBANTOTA	1026z	12	Jun	2024	1.5m	Threat
MULLAITTIVU	1043z	12	Jun	2024	0.9m	Threat
AKKARAIPATTU	1108z	12	Jun	2024	0.8m	Threat
OKANDA	1131z	12	Jun	2024	0.8m	Threat
TANGALLE	1139z	12	Jun	2024	0.5m	Threat
KATTANKUDI	1144z	12	Jun	2024	1.4m	Threat
CHUNDIKKULAM	1217z	12	Jun	2024	1.2m	Threat
CHAVAKACHCHERI	1319z	12	Jun	2024	0.9m	Threat
POINT PEDRO	1337z	12	Jun	2024	0.9m	Threat
MATARA	1342z	12	Jun	2024	0.8m	Threat
MANNAR ISLAND	1428z	12	Jun	2024	0.6m	Threat
COLOMBO	1431z	12	Jun	2024	0.9m	Threat
GALLE	1442z	12	Jun	2024	0.9m	Threat
ANAITIVU	1443z	12	Jun	2024	0.6m	Threat

AMBALANGODA	1447z	12	Jun	2024	0.6m	Threat
PANKULAM	1533z	12	Jun	2024	0.8m	Threat
MUNDAL LAKE	1626z	12	Jun	2024	0.6m	Threat
BERUWALA	1924z	12	Jun	2024	0.7m	Threat
MORATUWA	1935z	12	Jun	2024	0.7m	Threat
POTTUVIL	2320z	12	Jun	2024	0.8m	Threat
NEGOMBO	0226z	13	Jun	2024	0.5m	Threat
TANZANIA						

WEST TO KONDE	0008z	13	Jun	2024	0.5m	Threat
VUMBI	0444z	13	Jun	2024	0.5m	Threat
MSASANI	0549z	13	Jun	2024	0.7m	Threat
BAGAMOYO	0628z	13	Jun	2024	0.5m	Threat
THAILAND						

THAI MUEANG TAKUA PA	0322z	13	Jun	2024	0.7m	Threat
KO RACHA NOI	0622z	13	Jun	2024	0.6m	Threat
TIMOR-LESTE						

PANTE MACASSAR	0931z	12	Jun	2024	0.5m	Threat
UNITED KINGDOM						

DIEGO GARCIA	1210z	12	Jun	2024	1.0m	Threat
MORESBY ISLAND	1441z	12	Jun	2024	0.6m	Threat
YEMEN						

SOCOTRA ISLAND SOUTH	1538z	12	Jun	2024	0.9m	Threat
AL GHAYDAH AIRPORT	1538z	12	Jun	2024	0.8m	Threat
SOCOTRA ISLAND NORTH	1837z	12	Jun	2024	0.8m	Threat
HUSWAYN	2106z	12	Jun	2024	0.6m	Threat
HAMI	2158z	12	Jun	2024	0.5m	Threat
DAMQAWT	2348z	12	Jun	2024	0.6m	Threat
MAALLAH	0111z	13	Jun	2024	0.5m	Threat
ALQUMRAH	0421z	13	Jun	2024	0.5m	Threat

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

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

4. ADVICE

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

5. UPDATES

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

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

6. CONTACT INFORMATION

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

TEST TEST TEST - 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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#####  
#  
#   TEST   TEST   TEST   -   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 12 June 2024

... 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: 12 JUN 2024
Origin Time: 0600
Latitude: 6.94 S
Longitude: 104.7 E
Location: SUNDA STRAIT, INDONESIA

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.

Enggano (INDONESIA)	5.35 S	102.28 E	0610z	12 Jun 2024	8.5m
Christmas Island (AUSTRALIA)	10.4 S	105.67 E	0616z	12 Jun 2024	5.2m
Tanjung (INDONESIA)	6.48 S	105.66 E	0631z	12 Jun 2024	5.0m
Cilicap (INDONESIA)	7.75 S	109.01 E	0642z	12 Jun 2024	4.6m

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

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

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

TSP INDONESIA Test Start Message

TEST 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) COMMUNICATION TEST
0600 UTC 12 JUNE 2024
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 12 JUNE 2024 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 TEST

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

TSP INDONESIA Message 1

TEST TEST TEST TEST TEST CommTEST-Jun-2024 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Jun-2024 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20240612-0605-001

TSUNAMI BULLETIN NUMBER 1 (TYPE-I EARTHQUAKE BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0605 UTC, Jun 12, 2024

... 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 : 12 Jun 2024
Origin Time: 06:00:00 UTC
Latitude : 6.94S
Longitude : 104.70E
Location : Sunda Strait, Indonesia

2. EVALUATION

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

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

3. ADVICE

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

4. OTHER INDIAN OCEAN TSUNAMI SERVICE PROVIDERS:

Other IOTWMS-TSPs may issue additional information at:

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

IOTWMS-TSP INDIA: <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-2024 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Jun-2024 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-2024 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Jun-2024 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20240612-0615-002

TSUNAMI BULLETIN NUMBER 2 (TYPE-II THREAT ASSESSMENT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0615 UTC, Jun 12, 2024

... 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 : 12 Jun 2024
Origin Time: 06:00:00 UTC
Latitude : 6.94S
Longitude : 104.70E
Location : Sunda Strait, Indonesia

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

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

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

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

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

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

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

AUSTRALIA

CHRISTMAS ISLAND 06:14z 12Jun2024 9.53m

COCOS ISLAND	07:11z	12Jun2024	4.78m
NINGALOO COAST	08:26z	12Jun2024	2.29m
PILBARA COAST WEST	08:54z	12Jun2024	1.71m
GASCOYNE COAST	09:13z	12Jun2024	1.92m
PILBARA COAST EAST	09:29z	12Jun2024	1.67m
GERALDTON COAST	09:55z	12Jun2024	1.20m
WEST KIMBERLY COAST	10:08z	12Jun2024	0.99m
BUNBURY GEOGRAPHE COAST	10:45z	12Jun2024	1.61m
LANCELIN COAST	11:18z	12Jun2024	1.12m
LEEUEWIN COAST	11:29z	12Jun2024	1.46m
PERTH COAST	12:07z	12Jun2024	1.26m
NORTH KIMBERLY COAST	12:30z	12Jun2024	0.53m
ALBANY COAST	12:44z	12Jun2024	0.52m
ASHMORE REEF	13:00z	12Jun2024	0.53m
HEARD ISLAND AND MCDONALD ISLANDS	14:36z	12Jun2024	4.82m
AURORA BANK	14:51z	12Jun2024	2.14m

FRANCE

ILE SAINT-PAUL-NORTH	11:53z	12Jun2024	2.79m
ILE SAINT-PAUL-SOUTH	12:04z	12Jun2024	5.35m
SAINT - JOSEPH	13:49z	12Jun2024	1.02m
SAINT-DENIS	14:06z	12Jun2024	0.94m
ILE KERGUELEN	14:13z	12Jun2024	3.53m
NES CROZET	14:50z	12Jun2024	2.83m
ILE DE LA POSSESSION	14:52z	12Jun2024	2.81m
CROZET PLATEAU	15:13z	12Jun2024	6.06m

INDIA

MARAKKANAM	11:15z	12Jun2024	0.83m
INDIRA POINT	11:16z	12Jun2024	0.52m
MAHABALIPURAM	11:16z	12Jun2024	0.82m
KANYAKUMARI	11:23z	12Jun2024	0.89m
PUDUCHERRY	11:30z	12Jun2024	0.91m
KARAIKAL	11:35z	12Jun2024	0.70m
NAGAPATTINAM	11:44z	12Jun2024	0.62m
CHENNAI	11:57z	12Jun2024	0.80m
NIJAMPATTANAM	12:27z	12Jun2024	1.06m
CUDDALORE	12:29z	12Jun2024	0.71m
POOMBUHAR	12:49z	12Jun2024	0.72m
ENNORE	12:50z	12Jun2024	0.81m
ALLEPPEY ALAPPUZHA	12:56z	12Jun2024	0.63m
KAVARATTI	13:02z	12Jun2024	0.50m
MACHILIPATNAM	13:05z	12Jun2024	0.91m
KAKINADA	13:07z	12Jun2024	0.72m
TRIVANDRUM	13:10z	12Jun2024	0.64m
ANDROTH	13:12z	12Jun2024	0.51m
KOTTAPATNAM	13:13z	12Jun2024	0.58m
KOMATRA AND KATCHAL ISLAND	13:19z	12Jun2024	0.56m
SRIHARIKOTA	13:22z	12Jun2024	0.66m
PERUPALEM	13:34z	12Jun2024	0.88m
KOODANKULAM	13:53z	12Jun2024	0.80m
MINICOY	13:57z	12Jun2024	0.59m
AMINI	13:58z	12Jun2024	0.51m
AGATTI	14:07z	12Jun2024	0.52m
KOTTTAIPPATTANAM	14:12z	12Jun2024	0.67m
QUILON	14:30z	12Jun2024	0.64m
MUTHUPET	14:40z	12Jun2024	0.51m
COCHIN	15:20z	12Jun2024	0.57m
MALLIPATTINAM	15:41z	12Jun2024	0.58m
VADANAPPALLY	16:08z	12Jun2024	0.53m
CAR NICOBAR	16:25z	12Jun2024	0.55m

INDONESIA

BENGKULU BENGKULU-UTARA PULAU ENGGANO	06:00z	12Jun2024	15.31m
BANTEN PANDEGLANG BAGIAN SELATAN	06:03z	12Jun2024	10.49m
BANTEN PANDEGLANG PULAU PANAITAN	06:03z	12Jun2024	9.11m
BANTEN PANDEGLANG BAGIAN UTARA	06:07z	12Jun2024	9.07m
JABAR SUKABUMI PELABUHAN-RATU	06:08z	12Jun2024	17.89m
BANTEN LEBAK	06:08z	12Jun2024	19.05m
JABAR SUKABUMI UJUNG-GENTENG	06:11z	12Jun2024	24.11m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	06:12z	12Jun2024	17.88m
BENGKULU KAUR	06:13z	12Jun2024	13.78m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	06:13z	12Jun2024	18.58m
JABAR CIANJUR SINDANGBARANG	06:14z	12Jun2024	16.00m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	06:15z	12Jun2024	16.07m
JABAR GARUT	06:15z	12Jun2024	13.77m
LAMPUNG TANGGAMUS PULAU TABUAN	06:17z	12Jun2024	9.15m
LAMPUNG LAMPUNG-SELATAN KEP. LEGUNDI	06:19z	12Jun2024	9.11m
LAMPUNG TANGGAMUS BAGIAN TIMUR	06:20z	12Jun2024	11.38m
BENGKULU BENGKULU-SELATAN	06:22z	12Jun2024	10.66m
LAMPUNG LAMPUNG-SELATAN KEP. KRAKATAU	06:23z	12Jun2024	9.82m
LAMPUNG TANGGAMUS BAGIAN BARAT	06:25z	12Jun2024	17.87m
JABAR TASIKMALAYA	06:26z	12Jun2024	9.61m
JABAR CIAMIS	06:33z	12Jun2024	8.35m
BENGKULU SELUMA	06:35z	12Jun2024	12.97m
LAMPUNG LAMPUNG-SELATAN KEP. SEBUKU	06:38z	12Jun2024	13.21m
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	06:40z	12Jun2024	2.95m
LAMPUNG LAMPUNG-SELATAN BAGIAN BARAT	06:43z	12Jun2024	7.23m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	06:50z	12Jun2024	10.09m
SUMBAR KEPULAUAN-MENTAWAI PULAU SIPORA	06:52z	12Jun2024	1.75m
JATENG CILACAP	06:52z	12Jun2024	5.67m
DIY GUNUNG-KIDUL	06:52z	12Jun2024	5.61m
JATENG KEBUMEN	06:53z	12Jun2024	7.98m
DIY BANTUL	06:54z	12Jun2024	5.19m
DIY KULON-PROGO	06:54z	12Jun2024	5.86m
BANTEN SERANG BAGIAN BARAT	06:55z	12Jun2024	8.33m
JATENG PURWOREJO	06:58z	12Jun2024	8.18m
JATENG WONOGIRI	06:58z	12Jun2024	4.40m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	07:03z	12Jun2024	11.78m
JATIM PACITAN	07:03z	12Jun2024	6.33m
LAMPUNG LAMPUNG-SELATAN KALIANDA	07:03z	12Jun2024	10.40m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	07:04z	12Jun2024	5.79m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	07:04z	12Jun2024	5.36m
JATIM TRENGGALEK	07:07z	12Jun2024	5.59m
JATIM TULUNGAGUNG	07:11z	12Jun2024	5.33m
BENGKULU MUKOMUKO	07:12z	12Jun2024	6.18m
JATIM BLITAR	07:13z	12Jun2024	5.00m
BANTEN KOTA-CILEGON PULAU SANGIA	07:13z	12Jun2024	6.24m
JATIM MALANG	07:13z	12Jun2024	4.80m
SUMBAR PESISIR-SELATAN BAGIAN SELATAN	07:16z	12Jun2024	2.99m
JATIM JEMBER PULAU NUSABARUNG	07:18z	12Jun2024	4.14m
JATIM BANYUWANGI BAGIAN SELATAN	07:24z	12Jun2024	3.47m
JATIM JEMBER	07:25z	12Jun2024	4.34m
SUMUT NIAS-SELATAN PULAU TANABALA	07:28z	12Jun2024	1.25m
SUMUT NIAS-SELATAN PULAU TANAHMASA	07:28z	12Jun2024	1.24m
JATIM LUMAJANG	07:29z	12Jun2024	5.75m
SUMUT NIAS-SELATAN PULAU NIAS	07:32z	12Jun2024	1.68m
SUMBAR KEPULAUAN-MENTAWAI P. SIBERUT	07:35z	12Jun2024	1.31m
SUMUT NIAS BAGIAN BARAT	07:42z	12Jun2024	0.85m
BANTEN KOTA-CILEGON	07:42z	12Jun2024	8.10m
BALI BADUNG PANTAI-KUTA	07:51z	12Jun2024	2.53m
JATIM BANYUWANGI BAGIAN TIMUR	07:52z	12Jun2024	2.26m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI PANJANG	07:53z	12Jun2024	10.79m
BALI KLUNGKUNG PULAU NUSAPENIDA	07:54z	12Jun2024	1.62m
NTB LOMBOK-BARAT BAGIAN SELATAN	07:55z	12Jun2024	1.73m
SUMBAR PESISIR-SELATAN BAGIAN UTARA	07:55z	12Jun2024	2.15m

NTB SUMBAWA BAGIAN BARAT	07:56z	12Jun2024	1.45m
BALI JEMBRANA	07:58z	12Jun2024	1.89m
NTB LOMBOK-TENGAH	08:00z	12Jun2024	2.38m
BALI DENPASAR PANTAI-SANUR	08:05z	12Jun2024	2.35m
NTB SUMBAWA BAGIAN SELATAN	08:05z	12Jun2024	1.80m
NTB LOMBOK-TIMUR BAGIAN SELATAN	08:06z	12Jun2024	2.09m
SUMBAR KOTA-PADANG BAGIAN SELATAN	08:06z	12Jun2024	5.73m
BALI KARANG-ASEM BAGIAN SELATAN	08:06z	12Jun2024	1.34m
BALI GIANYAR	08:07z	12Jun2024	3.58m
BALI TABANAN	08:07z	12Jun2024	2.58m
SUMBAR PADANG-PARIAMAN BAGIAN SELATAN	08:07z	12Jun2024	2.53m
SUMBAR KOTA-PADANG BAGIAN UTARA	08:07z	12Jun2024	1.90m
NTB DOMPU BAGIAN SELATAN	08:11z	12Jun2024	1.94m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	08:11z	12Jun2024	3.13m
NTB KOTA-MATARAM	08:15z	12Jun2024	1.90m
NTB KOTA-BIMA BAGIAN SELATAN	08:15z	12Jun2024	1.45m
BANTEN SERANG BAGIAN UTARA	08:16z	12Jun2024	2.10m
NTB LOMBOK-TIMUR BAGIAN TIMUR	08:18z	12Jun2024	1.77m
NTT SUMBA BAGIAN BARAT	08:24z	12Jun2024	1.53m
NTT SUMBA BAGIAN TIMUR	08:33z	12Jun2024	1.49m
LAMPUNG LAMPUNG-TIMUR	08:34z	12Jun2024	2.60m
BALI KLUNGKUNG	08:34z	12Jun2024	1.48m
SUMBAR KOTA-PARIAMAN	08:38z	12Jun2024	1.57m
NTT KEPULAUAN MANGGARAI-BARAT	08:43z	12Jun2024	1.30m
NTB BIMA PULAU GILI	08:45z	12Jun2024	1.45m
SUMBAR AGAM	08:49z	12Jun2024	2.17m
NTT KUPANG	08:52z	12Jun2024	0.69m
SUMUT NIAS-SELATAN PULAU PINI	08:54z	12Jun2024	1.94m
SUMBAR PASAMAN-BARAT	09:03z	12Jun2024	1.96m
NTT ROTENDAO	09:05z	12Jun2024	0.80m
BANTEN TANGERANG	09:19z	12Jun2024	2.01m
DKI-JAKARTA KEPULAUAN SERIBU	09:22z	12Jun2024	1.44m
NTT ENDE BAGIAN SELATAN	09:22z	12Jun2024	0.91m
NTT NGADA BAGIAN SELATAN	09:24z	12Jun2024	1.22m
NAD ACEH-BESAR BAGIAN BARAT	09:40z	12Jun2024	0.91m
NTT MANGGARAI-BARAT BAGIAN SELATAN	09:52z	12Jun2024	1.40m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	10:00z	12Jun2024	0.99m
KEPRI NATUNA	10:01z	12Jun2024	0.53m
NTT MANGGARAI BAGIAN SELATAN	10:10z	12Jun2024	1.28m
NTB LOMBOK-BARAT BAGIAN UTARA	10:28z	12Jun2024	0.66m
NAD SIMEULUE PULAU SIMEULUE	10:42z	12Jun2024	0.62m
DKI-JAKARTA KOTA-JAKARTA-UTARA	10:43z	12Jun2024	1.77m
SUMUT MANDAILING-NATAL BAGIAN UTARA	10:48z	12Jun2024	1.49m
BALI KARANG-ASEM BAGIAN UTARA	10:49z	12Jun2024	0.55m
NAD ACEH-JAYA	10:55z	12Jun2024	1.14m
JABAR BEKASI	10:56z	12Jun2024	1.51m
NTT ALOR BAGIAN SELATAN	11:07z	12Jun2024	0.53m
NTT KOTA-KUPANG	11:09z	12Jun2024	1.02m
NTT LEMBATA BAGIAN SELATAN	11:13z	12Jun2024	0.86m
NTT TIMOR-TENGAH-UTARA	11:22z	12Jun2024	0.53m
LAMPUNG TULANGBAWANG	11:27z	12Jun2024	1.11m
NAD ACEH-BESAR PULAU PENAS	11:29z	12Jun2024	0.73m
NTT FLORES-TIMUR BAGIAN SELATAN	11:30z	12Jun2024	0.70m
NTT FLORES-TIMUR PULAU ADONARA	11:33z	12Jun2024	0.68m
NTT FLORES-TIMUR PULAU SOLOR	11:48z	12Jun2024	0.71m
NTT SIKKA BAGIAN SELATAN	11:59z	12Jun2024	0.79m
JABAR KARAWANG	11:59z	12Jun2024	0.84m
NAD ACEH-SELATAN BAGIAN SELATAN	12:15z	12Jun2024	0.70m
SUMSEL OGAN-KOMERING-ILIR	13:08z	12Jun2024	1.17m
SUMUT TAPANULI-SELATAN	14:04z	12Jun2024	0.93m
JABAR SUBANG	14:05z	12Jun2024	1.24m
NAD ACEH-BARAT	14:26z	12Jun2024	0.55m
NAD NAGAN-RAYA	14:47z	12Jun2024	0.51m
JABAR INDRAMAYU	14:50z	12Jun2024	0.79m
NAD ACEH-SINGKIL	14:57z	12Jun2024	0.50m
SUMUT TAPANULI-TENGAH KEP. MURSALA	15:04z	12Jun2024	0.56m

SUMUT KOTA-SIBOLGA	15:06z	12Jun2024	0.99m
SUMUT TAPANULI-TENGAH BAGIAN SELATAN	15:16z	12Jun2024	1.03m
SUMUT TAPANULI-TENGAH BAGIAN UTARA	15:23z	12Jun2024	0.51m
SUMUT NIAS BAGIAN TIMUR	15:37z	12Jun2024	1.10m
NAD KOTA-BANDA-ACEH	15:58z	12Jun2024	0.57m
JABAR CIREBON	17:01z	12Jun2024	0.66m
NAD ACEH-BARAT-DAYA	17:19z	12Jun2024	0.69m

MADAGASCAR

TOAMASINA AIRPORT	14:18z	12Jun2024	0.99m
AMBAHY	14:21z	12Jun2024	2.12m
FARAFAGANA	14:22z	12Jun2024	2.53m
MANANTENINA	14:32z	12Jun2024	1.09m
VOHEMAR	15:06z	12Jun2024	0.83m
TAMPOLO	15:08z	12Jun2024	1.11m
SAMPONA	15:34z	12Jun2024	1.34m
EUROPA ISLAND	17:46z	12Jun2024	0.61m

MALDIVES

HITHADHOO	10:21z	12Jun2024	1.47m
THINADHOO	10:23z	12Jun2024	1.28m
DHIYAMIGILI	10:27z	12Jun2024	1.51m
KOLHUFUSHI	10:32z	12Jun2024	1.19m
MALE	10:42z	12Jun2024	0.86m
KULHUDUFFUSHI	10:43z	12Jun2024	1.14m
GOIDHOO	11:07z	12Jun2024	0.72m
NILANDHOO	11:38z	12Jun2024	0.86m
FERIDHOO	12:26z	12Jun2024	0.69m

MAURITIUS

LA FERME	12:01z	12Jun2024	1.90m
CARGADOS CARAJOS	12:39z	12Jun2024	1.24m
GRANDE REVIERE SUD EST-EAST	12:56z	12Jun2024	4.58m
GRANDE REVIERE SUD EST-WEST	13:52z	12Jun2024	1.19m
AGALEGA ISLAND	15:11z	12Jun2024	0.70m

MOZAMBIQUE

INHARRIME	17:29z	12Jun2024	0.77m
POMENE	17:31z	12Jun2024	0.62m
ZAVALA	17:43z	12Jun2024	0.74m
MAPUTO	17:45z	12Jun2024	0.98m

OMAN

MIRBAT	15:37z	12Jun2024	0.75m
SALALAH	15:43z	12Jun2024	0.58m
TAQAH	16:31z	12Jun2024	0.93m

SEYCHELLES

COETIVY ISLAND	14:26z	12Jun2024	0.98m
ILE DESROCHES	16:26z	12Jun2024	0.63m
TAKAMAKA	16:42z	12Jun2024	0.56m
FREGATE ISLAND	16:45z	12Jun2024	0.58m
FARQUHAR GROUP	17:29z	12Jun2024	0.59m

SOMALIA

TOOXIN	14:53z	12Jun2024	0.99m
BANDER-BEYLA	14:54z	12Jun2024	0.75m
JARIIBAN	14:59z	12Jun2024	1.14m
XARARDHEERE	15:02z	12Jun2024	1.25m
GALDOGOB	15:11z	12Jun2024	0.73m
ITALA	15:15z	12Jun2024	0.96m
CEEL DHEER	15:18z	12Jun2024	0.80m
UARSCIECH	15:21z	12Jun2024	0.83m
MAREEG	15:27z	12Jun2024	0.90m
MUQDISHO	15:28z	12Jun2024	0.71m
BARAAWE	15:39z	12Jun2024	0.64m
BEYNAX BARRE	16:01z	12Jun2024	0.70m
EYL	16:04z	12Jun2024	0.66m
JILIB	16:37z	12Jun2024	0.52m
TURDHO	16:52z	12Jun2024	0.60m
NE BEERNAASI	16:59z	12Jun2024	0.54m

SOUTH AFRICA

FUNK SEAMOUNT	16:32z	12Jun2024	3.61m
ELLIOTDALE	17:26z	12Jun2024	1.29m
GWABALANDA HITAWI	17:26z	12Jun2024	1.84m
PORT ST JOHNS	17:26z	12Jun2024	2.60m
PORT DURNFORD	17:27z	12Jun2024	1.22m
LUSIKISIKI	17:27z	12Jun2024	3.01m
MARGATE	17:27z	12Jun2024	1.49m
NGQUELENI	17:28z	12Jun2024	1.03m
BIZANA	17:28z	12Jun2024	2.07m
WILLOWVALE	17:28z	12Jun2024	1.36m
LAKE SIBAYI	17:30z	12Jun2024	1.51m
KENTANI	17:30z	12Jun2024	1.16m
MARSHSTRAND	17:35z	12Jun2024	1.24m
KAYSERS BEACH	17:36z	12Jun2024	1.07m
ZIKHOVA	17:36z	12Jun2024	1.05m
KOSIMEER	17:36z	12Jun2024	0.92m
PEDDIE	17:41z	12Jun2024	0.99m
ABORETUM	17:42z	12Jun2024	0.83m
BATHURST	17:51z	12Jun2024	0.98m
KELSO	17:54z	12Jun2024	1.69m

SRI LANKA

POTTUVIL	09:54z	12Jun2024	1.15m
GALLE	10:34z	12Jun2024	1.05m
BATTICALOA	10:38z	12Jun2024	0.87m
KATTANKUDI	10:48z	12Jun2024	1.39m
HAMBANTOTA	10:48z	12Jun2024	1.71m
TANGALLE	10:49z	12Jun2024	1.34m
OKANDA	10:52z	12Jun2024	2.17m
PANKULAM	10:55z	12Jun2024	0.74m
MATARA	11:02z	12Jun2024	0.95m
MULLAITTIVU	11:07z	12Jun2024	0.75m
KIRINDA	11:09z	12Jun2024	1.15m
AMBALANGODA	12:20z	12Jun2024	0.87m
AKKARAIPATTU	12:34z	12Jun2024	0.83m
COLOMBO	12:40z	12Jun2024	0.71m
MUNDAL LAKE	12:54z	12Jun2024	0.74m
BERUWALA	13:09z	12Jun2024	1.11m
MORATUWA	13:34z	12Jun2024	0.85m
CHUNDIKKULAM	14:55z	12Jun2024	0.76m
MUSALI	16:38z	12Jun2024	0.51m

CHAVAKACHCHERI	17:14z 12Jun2024	0.62m
MANNAR ISLAND	17:31z 12Jun2024	0.52m

TIMOR-LESTE

PANTE MACASSAR	16:25z 12Jun2024	0.58m
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UNITED KINGDOM

DIEGO GARCIA	10:19z 12Jun2024	1.93m
MORESBY ISLAND	10:56z 12Jun2024	1.21m
NW EGMONT ISLAND	11:15z 12Jun2024	1.39m

YEMEN

SOCOTRA ISLAND SOUTH	14:47z 12Jun2024	1.00m
SOCOTRA ISLAND NORTH	15:28z 12Jun2024	0.54m
DAMQAWT	15:32z 12Jun2024	0.93m
AL GHAYDAH AIRPORT	15:40z 12Jun2024	0.63m
HUSWAYN	16:28z 12Jun2024	0.57m
ALQUMRAH	17:24z 12Jun2024	0.59m

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

monitrtpw@bmkg.go.id

END OF BULLETIN

TEST TEST TEST TEST TEST	CommTEST-Jun-2024	TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST	CommTEST-Jun-2024	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-2024 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Jun-2024 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20240612-0630-003

TSUNAMI BULLETIN NUMBER 3 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0630 UTC, Jun 12, 2024

... 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 : 12 Jun 2024
Origin Time: 06:00:00 UTC
Latitude : 6.94S
Longitude : 104.70E
Location : Sunda Strait, Indonesia

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

LOCATION	COUNTRIES	LAT	LON	AMPL (m)	TIME (UTC)	DATE

ENGGANO	INDONESIA	5.35S	102.28E	9.1	06:00	Jun 12, 2024
CHRISTMAS ISLAND	AUSTRALIA	10.43S	105.67E	8.3	06:14	Jun 12, 2024

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

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

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

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

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

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

AUSTRALIA

CHRISTMAS ISLAND	06:14z	12Jun2024	9.53m
COCOS ISLAND	07:11z	12Jun2024	4.78m
NINGALOO COAST	08:26z	12Jun2024	2.29m
PILBARA COAST WEST	08:54z	12Jun2024	1.71m
GASCOYNE COAST	09:13z	12Jun2024	1.92m
PILBARA COAST EAST	09:29z	12Jun2024	1.67m
GERALDTON COAST	09:55z	12Jun2024	1.20m
WEST KIMBERLY COAST	10:08z	12Jun2024	0.99m
BUNBURY GEOGRAPHE COAST	10:45z	12Jun2024	1.61m
LANCELIN COAST	11:18z	12Jun2024	1.12m
LEEUEWIN COAST	11:29z	12Jun2024	1.46m
PERTH COAST	12:07z	12Jun2024	1.26m
NORTH KIMBERLY COAST	12:30z	12Jun2024	0.53m
ALBANY COAST	12:44z	12Jun2024	0.52m
ASHMORE REEF	13:00z	12Jun2024	0.53m
HEARD ISLAND AND MCDONALD ISLANDS	14:36z	12Jun2024	4.82m
AURORA BANK	14:51z	12Jun2024	2.14m

FRANCE

ILE SAINT-PAUL-NORTH	11:53z	12Jun2024	2.79m
ILE SAINT-PAUL-SOUTH	12:04z	12Jun2024	5.35m
SAINT - JOSEPH	13:49z	12Jun2024	1.02m
SAINT-DENIS	14:06z	12Jun2024	0.94m
ILE KERGUELEN	14:13z	12Jun2024	3.53m
NES CROZET	14:50z	12Jun2024	2.83m
ILE DE LA POSSESSION	14:52z	12Jun2024	2.81m
CROZET PLATEAU	15:13z	12Jun2024	6.06m

INDIA

MARAKKANAM	11:15z	12Jun2024	0.83m
INDIRA POINT	11:16z	12Jun2024	0.52m
MAHABALIPURAM	11:16z	12Jun2024	0.82m
KANYAKUMARI	11:23z	12Jun2024	0.89m
PUDUCHERRY	11:30z	12Jun2024	0.91m
KARAIKAL	11:35z	12Jun2024	0.70m
NAGAPATTINAM	11:44z	12Jun2024	0.62m
CHENNAI	11:57z	12Jun2024	0.80m
NIJAMPATTANAM	12:27z	12Jun2024	1.06m
CUDDALORE	12:29z	12Jun2024	0.71m
POOMBUHAR	12:49z	12Jun2024	0.72m
ENNORE	12:50z	12Jun2024	0.81m
ALLEPPEY ALAPPUZHA	12:56z	12Jun2024	0.63m
KAVARATTI	13:02z	12Jun2024	0.50m
MACHILIPATNAM	13:05z	12Jun2024	0.91m
KAKINADA	13:07z	12Jun2024	0.72m
TRIVANDRUM	13:10z	12Jun2024	0.64m
ANDROTH	13:12z	12Jun2024	0.51m
KOTTAPATNAM	13:13z	12Jun2024	0.58m
KOMATRA AND KATCHAL ISLAND	13:19z	12Jun2024	0.56m
SRIHARIKOTA	13:22z	12Jun2024	0.66m
PERUPALEM	13:34z	12Jun2024	0.88m
KOODANKULAM	13:53z	12Jun2024	0.80m
MINICOY	13:57z	12Jun2024	0.59m
AMINI	13:58z	12Jun2024	0.51m
AGATTI	14:07z	12Jun2024	0.52m
KOTTTAIPPATTANAM	14:12z	12Jun2024	0.67m

QUILON	14:30z	12Jun2024	0.64m
MUTHUPET	14:40z	12Jun2024	0.51m
COCHIN	15:20z	12Jun2024	0.57m
MALLIPATTINAM	15:41z	12Jun2024	0.58m
VADANAPPALLY	16:08z	12Jun2024	0.53m
CAR NICOBAR	16:25z	12Jun2024	0.55m

INDONESIA

BENGKULU BENGKULU-UTARA PULAU ENGGANO	06:00z	12Jun2024	15.31m
BANTEN PANDEGLANG BAGIAN SELATAN	06:03z	12Jun2024	10.49m
BANTEN PANDEGLANG PULAU PANAITAN	06:03z	12Jun2024	9.11m
BANTEN PANDEGLANG BAGIAN UTARA	06:07z	12Jun2024	9.07m
JABAR SUKABUMI PELABUHAN-RATU	06:08z	12Jun2024	17.89m
BANTEN LEBAK	06:08z	12Jun2024	19.05m
JABAR SUKABUMI UJUNG-GENTENG	06:11z	12Jun2024	24.11m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	06:12z	12Jun2024	17.88m
BENGKULU KAUR	06:13z	12Jun2024	13.78m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	06:13z	12Jun2024	18.58m
JABAR CIANJUR SINDANGBARANG	06:14z	12Jun2024	16.00m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	06:15z	12Jun2024	16.07m
JABAR GARUT	06:15z	12Jun2024	13.77m
LAMPUNG TANGGAMUS PULAU TABUAN	06:17z	12Jun2024	9.15m
LAMPUNG LAMPUNG-SELATAN KEP. LEGUNDI	06:19z	12Jun2024	9.11m
LAMPUNG TANGGAMUS BAGIAN TIMUR	06:20z	12Jun2024	11.38m
BENGKULU BENGKULU-SELATAN	06:22z	12Jun2024	10.66m
LAMPUNG LAMPUNG-SELATAN KEP. KRAKATAU	06:23z	12Jun2024	9.82m
LAMPUNG TANGGAMUS BAGIAN BARAT	06:25z	12Jun2024	17.87m
JABAR TASIKMALAYA	06:26z	12Jun2024	9.61m
JABAR CIAMIS	06:33z	12Jun2024	8.35m
BENGKULU SELUMA	06:35z	12Jun2024	12.97m
LAMPUNG LAMPUNG-SELATAN KEP. SEBUKU	06:38z	12Jun2024	13.21m
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	06:40z	12Jun2024	2.95m
LAMPUNG LAMPUNG-SELATAN BAGIAN BARAT	06:43z	12Jun2024	7.23m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	06:50z	12Jun2024	10.09m
SUMBAR KEPULAUAN-MENTAWAI PULAU SIPORA	06:52z	12Jun2024	1.75m
JATENG CILACAP	06:52z	12Jun2024	5.67m
DIY GUNUNG-KIDUL	06:52z	12Jun2024	5.61m
JATENG KEBUMEN	06:53z	12Jun2024	7.98m
DIY BANTUL	06:54z	12Jun2024	5.19m
DIY KULON-PROGO	06:54z	12Jun2024	5.86m
BANTEN SERANG BAGIAN BARAT	06:55z	12Jun2024	8.33m
JATENG PURWOREJO	06:58z	12Jun2024	8.18m
JATENG WONOGIRI	06:58z	12Jun2024	4.40m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	07:03z	12Jun2024	11.78m
JATIM PACITAN	07:03z	12Jun2024	6.33m
LAMPUNG LAMPUNG-SELATAN KALIANDA	07:03z	12Jun2024	10.40m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	07:04z	12Jun2024	5.79m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	07:04z	12Jun2024	5.36m
JATIM TRENGGALEK	07:07z	12Jun2024	5.59m
JATIM TULUNGAGUNG	07:11z	12Jun2024	5.33m
BENGKULU MUKOMUKO	07:12z	12Jun2024	6.18m
JATIM BLITAR	07:13z	12Jun2024	5.00m
BANTEN KOTA-CILEGON PULAU SANGIA	07:13z	12Jun2024	6.24m
JATIM MALANG	07:13z	12Jun2024	4.80m
SUMBAR PESISIR-SELATAN BAGIAN SELATAN	07:16z	12Jun2024	2.99m
JATIM JEMBER PULAU NUSABARUNG	07:18z	12Jun2024	4.14m
JATIM BANYUWANGI BAGIAN SELATAN	07:24z	12Jun2024	3.47m
JATIM JEMBER	07:25z	12Jun2024	4.34m
SUMUT NIAS-SELATAN PULAU TANABALA	07:28z	12Jun2024	1.25m
SUMUT NIAS-SELATAN PULAU TANAHMASA	07:28z	12Jun2024	1.24m
JATIM LUMAJANG	07:29z	12Jun2024	5.75m
SUMUT NIAS-SELATAN PULAU NIAS	07:32z	12Jun2024	1.68m
SUMBAR KEPULAUAN-MENTAWAI P. SIBERUT	07:35z	12Jun2024	1.31m
SUMUT NIAS BAGIAN BARAT	07:42z	12Jun2024	0.85m

BANTEN KOTA-CILEGON	07:42z	12Jun2024	8.10m
BALI BADUNG PANTAI-KUTA	07:51z	12Jun2024	2.53m
JATIM BANYUWANGI BAGIAN TIMUR	07:52z	12Jun2024	2.26m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI PANJANG	07:53z	12Jun2024	10.79m
BALI KLUNGKUNG PULAU NUSAPENIDA	07:54z	12Jun2024	1.62m
NTB LOMBOK-BARAT BAGIAN SELATAN	07:55z	12Jun2024	1.73m
SUMBAR PESISIR-SELATAN BAGIAN UTARA	07:55z	12Jun2024	2.15m
NTB SUMBAWA BAGIAN BARAT	07:56z	12Jun2024	1.45m
BALI JEMBRANA	07:58z	12Jun2024	1.89m
NTB LOMBOK-TENGAH	08:00z	12Jun2024	2.38m
BALI DENPASAR PANTAI-SANUR	08:05z	12Jun2024	2.35m
NTB SUMBAWA BAGIAN SELATAN	08:05z	12Jun2024	1.80m
NTB LOMBOK-TIMUR BAGIAN SELATAN	08:06z	12Jun2024	2.09m
SUMBAR KOTA-PADANG BAGIAN SELATAN	08:06z	12Jun2024	5.73m
BALI KARANG-ASEM BAGIAN SELATAN	08:06z	12Jun2024	1.34m
BALI GIANYAR	08:07z	12Jun2024	3.58m
BALI TABANAN	08:07z	12Jun2024	2.58m
SUMBAR PADANG-PARIAMAN BAGIAN SELATAN	08:07z	12Jun2024	2.53m
SUMBAR KOTA-PADANG BAGIAN UTARA	08:07z	12Jun2024	1.90m
NTB DOMPU BAGIAN SELATAN	08:11z	12Jun2024	1.94m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	08:11z	12Jun2024	3.13m
NTB KOTA-MATARAM	08:15z	12Jun2024	1.90m
NTB KOTA-BIMA BAGIAN SELATAN	08:15z	12Jun2024	1.45m
BANTEN SERANG BAGIAN UTARA	08:16z	12Jun2024	2.10m
NTB LOMBOK-TIMUR BAGIAN TIMUR	08:18z	12Jun2024	1.77m
NTT SUMBA BAGIAN BARAT	08:24z	12Jun2024	1.53m
NTT SUMBA BAGIAN TIMUR	08:33z	12Jun2024	1.49m
LAMPUNG LAMPUNG-TIMUR	08:34z	12Jun2024	2.60m
BALI KLUNGKUNG	08:34z	12Jun2024	1.48m
SUMBAR KOTA-PARIAMAN	08:38z	12Jun2024	1.57m
NTT KEPULAUAN MANGGARAI-BARAT	08:43z	12Jun2024	1.30m
NTB BIMA PULAU GILI	08:45z	12Jun2024	1.45m
SUMBAR AGAM	08:49z	12Jun2024	2.17m
NTT KUPANG	08:52z	12Jun2024	0.69m
SUMUT NIAS-SELATAN PULAU PINI	08:54z	12Jun2024	1.94m
SUMBAR PASAMAN-BARAT	09:03z	12Jun2024	1.96m
NTT ROTENDAO	09:05z	12Jun2024	0.80m
BANTEN TANGERANG	09:19z	12Jun2024	2.01m
DKI-JAKARTA KEPULAUAN SERIBU	09:22z	12Jun2024	1.44m
NTT ENDE BAGIAN SELATAN	09:22z	12Jun2024	0.91m
NTT NGADA BAGIAN SELATAN	09:24z	12Jun2024	1.22m
NAD ACEH-BESAR BAGIAN BARAT	09:40z	12Jun2024	0.91m
NTT MANGGARAI-BARAT BAGIAN SELATAN	09:52z	12Jun2024	1.40m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	10:00z	12Jun2024	0.99m
KEPRI NATUNA	10:01z	12Jun2024	0.53m
NTT MANGGARAI BAGIAN SELATAN	10:10z	12Jun2024	1.28m
NTB LOMBOK-BARAT BAGIAN UTARA	10:28z	12Jun2024	0.66m
NAD SIMEULUE PULAU SIMEULUE	10:42z	12Jun2024	0.62m
DKI-JAKARTA KOTA-JAKARTA-UTARA	10:43z	12Jun2024	1.77m
SUMUT MANDAILING-NATAL BAGIAN UTARA	10:48z	12Jun2024	1.49m
BALI KARANG-ASEM BAGIAN UTARA	10:49z	12Jun2024	0.55m
NAD ACEH-JAYA	10:55z	12Jun2024	1.14m
JABAR BEKASI	10:56z	12Jun2024	1.51m
NTT ALOR BAGIAN SELATAN	11:07z	12Jun2024	0.53m
NTT KOTA-KUPANG	11:09z	12Jun2024	1.02m
NTT LEMBATA BAGIAN SELATAN	11:13z	12Jun2024	0.86m
NTT TIMOR-TENGAH-UTARA	11:22z	12Jun2024	0.53m
LAMPUNG TULANGBAWANG	11:27z	12Jun2024	1.11m
NAD ACEH-BESAR PULAU PENAS	11:29z	12Jun2024	0.73m
NTT FLORES-TIMUR BAGIAN SELATAN	11:30z	12Jun2024	0.70m
NTT FLORES-TIMUR PULAU ADONARA	11:33z	12Jun2024	0.68m
NTT FLORES-TIMUR PULAU SOLOR	11:48z	12Jun2024	0.71m
NTT SIKKA BAGIAN SELATAN	11:59z	12Jun2024	0.79m
JABAR KARAWANG	11:59z	12Jun2024	0.84m
NAD ACEH-SELATAN BAGIAN SELATAN	12:15z	12Jun2024	0.70m
SUMSEL OGAN-KOMERING-ILIR	13:08z	12Jun2024	1.17m

SUMUT TAPANULI-SELATAN	14:04z	12Jun2024	0.93m
JABAR SUBANG	14:05z	12Jun2024	1.24m
NAD ACEH-BARAT	14:26z	12Jun2024	0.55m
NAD NAGAN-RAYA	14:47z	12Jun2024	0.51m
JABAR INDRAMAYU	14:50z	12Jun2024	0.79m
NAD ACEH-SINGKIL	14:57z	12Jun2024	0.50m
SUMUT TAPANULI-TENGAH KEP. MURSALA	15:04z	12Jun2024	0.56m
SUMUT KOTA-SIBOLGA	15:06z	12Jun2024	0.99m
SUMUT TAPANULI-TENGAH BAGIAN SELATAN	15:16z	12Jun2024	1.03m
SUMUT TAPANULI-TENGAH BAGIAN UTARA	15:23z	12Jun2024	0.51m
SUMUT NIAS BAGIAN TIMUR	15:37z	12Jun2024	1.10m
NAD KOTA-BANDA-ACEH	15:58z	12Jun2024	0.57m
JABAR CIREBON	17:01z	12Jun2024	0.66m
NAD ACEH-BARAT-DAYA	17:19z	12Jun2024	0.69m

MADAGASCAR

TOAMASINA AIRPORT	14:18z	12Jun2024	0.99m
AMBAHY	14:21z	12Jun2024	2.12m
FARAFAGANA	14:22z	12Jun2024	2.53m
MANANTENINA	14:32z	12Jun2024	1.09m
VOHEMAR	15:06z	12Jun2024	0.83m
TAMPOLO	15:08z	12Jun2024	1.11m
SAMPONA	15:34z	12Jun2024	1.34m
EUROPA ISLAND	17:46z	12Jun2024	0.61m

MALDIVES

HITHADHOO	10:21z	12Jun2024	1.47m
THINADHOO	10:23z	12Jun2024	1.28m
DHIYAMIGILI	10:27z	12Jun2024	1.51m
KOLHUFUSHI	10:32z	12Jun2024	1.19m
MALE	10:42z	12Jun2024	0.86m
KULHUDUFFUSHI	10:43z	12Jun2024	1.14m
GOIDHOO	11:07z	12Jun2024	0.72m
NILANDHOO	11:38z	12Jun2024	0.86m
FERIDHOO	12:26z	12Jun2024	0.69m

MAURITIUS

LA FERME	12:01z	12Jun2024	1.90m
CARGADOS CARAJOS	12:39z	12Jun2024	1.24m
GRANDE REVIERE SUD EST-EAST	12:56z	12Jun2024	4.58m
GRANDE REVIERE SUD EST-WEST	13:52z	12Jun2024	1.19m
AGALEGA ISLAND	15:11z	12Jun2024	0.70m

MOZAMBIQUE

INHARRIME	17:29z	12Jun2024	0.77m
POMENE	17:31z	12Jun2024	0.62m
ZAVALA	17:43z	12Jun2024	0.74m
MAPUTO	17:45z	12Jun2024	0.98m

OMAN

MIRBAT	15:37z	12Jun2024	0.75m
SALALAH	15:43z	12Jun2024	0.58m
TAQAH	16:31z	12Jun2024	0.93m

SEYCHELLES

COETIVY ISLAND	14:26z	12Jun2024	0.98m
ILE DESROCHES	16:26z	12Jun2024	0.63m
TAKAMAKA	16:42z	12Jun2024	0.56m
FREGATE ISLAND	16:45z	12Jun2024	0.58m
FARQUHAR GROUP	17:29z	12Jun2024	0.59m

SOMALIA

TOOXIN	14:53z	12Jun2024	0.99m
BANDER-BEYLA	14:54z	12Jun2024	0.75m
JARIIBAN	14:59z	12Jun2024	1.14m
XARARDHEERE	15:02z	12Jun2024	1.25m
GALDOGOB	15:11z	12Jun2024	0.73m
ITALA	15:15z	12Jun2024	0.96m
CEEL DHEER	15:18z	12Jun2024	0.80m
UARSCIECH	15:21z	12Jun2024	0.83m
MAREEG	15:27z	12Jun2024	0.90m
MUQDISHO	15:28z	12Jun2024	0.71m
BARAAWE	15:39z	12Jun2024	0.64m
BEYNAX BARRE	16:01z	12Jun2024	0.70m
EYL	16:04z	12Jun2024	0.66m
JILIB	16:37z	12Jun2024	0.52m
TURDHO	16:52z	12Jun2024	0.60m
NE BEERNAASI	16:59z	12Jun2024	0.54m

SOUTH AFRICA

FUNK SEAMOUNT	16:32z	12Jun2024	3.61m
ELLIOTDALE	17:26z	12Jun2024	1.29m
GWABALANDA HITAWI	17:26z	12Jun2024	1.84m
PORT ST JOHNS	17:26z	12Jun2024	2.60m
PORT DURNFORD	17:27z	12Jun2024	1.22m
LUSIKISIKI	17:27z	12Jun2024	3.01m
MARGATE	17:27z	12Jun2024	1.49m
NGQUELENI	17:28z	12Jun2024	1.03m
BIZANA	17:28z	12Jun2024	2.07m
WILLOWVALE	17:28z	12Jun2024	1.36m
LAKE SIBAYI	17:30z	12Jun2024	1.51m
KENTANI	17:30z	12Jun2024	1.16m
MARSHSTRAND	17:35z	12Jun2024	1.24m
KAYSERS BEACH	17:36z	12Jun2024	1.07m
ZIKHOVA	17:36z	12Jun2024	1.05m
KOSIMEER	17:36z	12Jun2024	0.92m
PEDDIE	17:41z	12Jun2024	0.99m
ABORETUM	17:42z	12Jun2024	0.83m
BATHURST	17:51z	12Jun2024	0.98m
KELSO	17:54z	12Jun2024	1.69m

SRI LANKA

POTTUVIL	09:54z	12Jun2024	1.15m
GALLE	10:34z	12Jun2024	1.05m
BATTICALOA	10:38z	12Jun2024	0.87m
KATTANKUDI	10:48z	12Jun2024	1.39m
HAMBANTOTA	10:48z	12Jun2024	1.71m
TANGALLE	10:49z	12Jun2024	1.34m
OKANDA	10:52z	12Jun2024	2.17m
PANKULAM	10:55z	12Jun2024	0.74m
MATARA	11:02z	12Jun2024	0.95m
MULLAITTIVU	11:07z	12Jun2024	0.75m
KIRINDA	11:09z	12Jun2024	1.15m
AMBALANGODA	12:20z	12Jun2024	0.87m

AKKARAIPATTU	12:34z	12Jun2024	0.83m
COLOMBO	12:40z	12Jun2024	0.71m
MUNDAL LAKE	12:54z	12Jun2024	0.74m
BERUWALA	13:09z	12Jun2024	1.11m
MORATUWA	13:34z	12Jun2024	0.85m
CHUNDIKKULAM	14:55z	12Jun2024	0.76m
MUSALI	16:38z	12Jun2024	0.51m
CHAVAKACHCHERI	17:14z	12Jun2024	0.62m
MANNAR ISLAND	17:31z	12Jun2024	0.52m

TIMOR-LESTE

PANTE MACASSAR	16:25z	12Jun2024	0.58m
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UNITED KINGDOM

DIEGO GARCIA	10:19z	12Jun2024	1.93m
MORESBY ISLAND	10:56z	12Jun2024	1.21m
NW EGMONT ISLAND	11:15z	12Jun2024	1.39m

YEMEN

SOCOTRA ISLAND SOUTH	14:47z	12Jun2024	1.00m
SOCOTRA ISLAND NORTH	15:28z	12Jun2024	0.54m
DAMQAWT	15:32z	12Jun2024	0.93m
AL GHAYDAH AIRPORT	15:40z	12Jun2024	0.63m
HUSWAYN	16:28z	12Jun2024	0.57m
ALQUMRAH	17:24z	12Jun2024	0.59m

4. ADVICE

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

5. UPDATES

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

Other IOTWMS-TSPs may issue additional information at:

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

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

6. CONTACT INFORMATION

IOTWMS-TSP INDONESIA:

THE AGENCY FOR METEOROLOGY CLIMATOLOGY AND GEOPHYSICS (BMKG)

InaTEWS - Indonesian Tsunami Early Warning System

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

Tel.: +62 (21) 4246321/6546316

Fax: +62 (21) 6546316/4246703

P.O. Box 3540 Jakarta

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

<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-2024 TEST TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Jun-2024 TEST TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20240612-0645-04

TSUNAMI BULLETIN NUMBER 4 (TYPE-IV FINAL BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0645 UTC, Jun 12, 2024

... 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 : 12 Jun 2024
Origin Time: 06:00:00 UTC
Latitude : 6.94S
Longitude : 104.70E
Location : Sunda Strait, Indonesia

2. EVALUATION

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

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

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

3. TSUNAMI WAVE OBSERVATIONS

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

LOCATION	COUNTRIES	LAT	LON	AMPL (m)	TIME (UTC)	DATE

ENGGANO	INDONESIA	5.35S	102.28E	9.1	06:00	Jun 12, 2024
CHRISTMAS ISLAND	AUSTRALIA	10.43S	105.67E	8.3	06:14	Jun 12, 2024

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
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monitrtwp@bmkg.go.id

END OF BULLETIN

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