

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

Working Group 2 on Tsunami Detection, Warning, and Dissemination

28th IOTWMS Communications Test Report 11 December 2024

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1 PURPOSE

To report on the IOTWMS Communications Test conducted on 11 December 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 11 December 2024. The next test is scheduled for 11 June 2025. 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	Conducted
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 11 December 2024 test are described in the document “IOTWMS Communications Test 11 December 2024 Technical Manual” distributed to NTWCs and TSPs by the ICG/IOTWMS Secretariat on 2 December 2024.

Test Earthquake Event Scenario:

Magnitude: 9.2 Mwp
 Depth: 10 km
 Date: 11 December 2024
 Origin Time: 06:00 UTC
 Latitude: 3.30N
 Longitude: 95.96E
 Location: Northern Sumatra, 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

Seventeen (17) IOTWMS Member States participated in the test. This represents the equal lowest rate, well below average number of twenty-one (21) participating Member States across the 28 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, France, India, Indonesia, Madagascar, Malaysia, Mauritius, Myanmar, Pakistan, Seychelles, Singapore, South Africa, Sri Lanka, United Arab Emirates and Yemen.

Iran, Kenya, Maldives, Mozambique, Oman, Tanzania, Thailand and Timor Leste did not participate in the test.

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

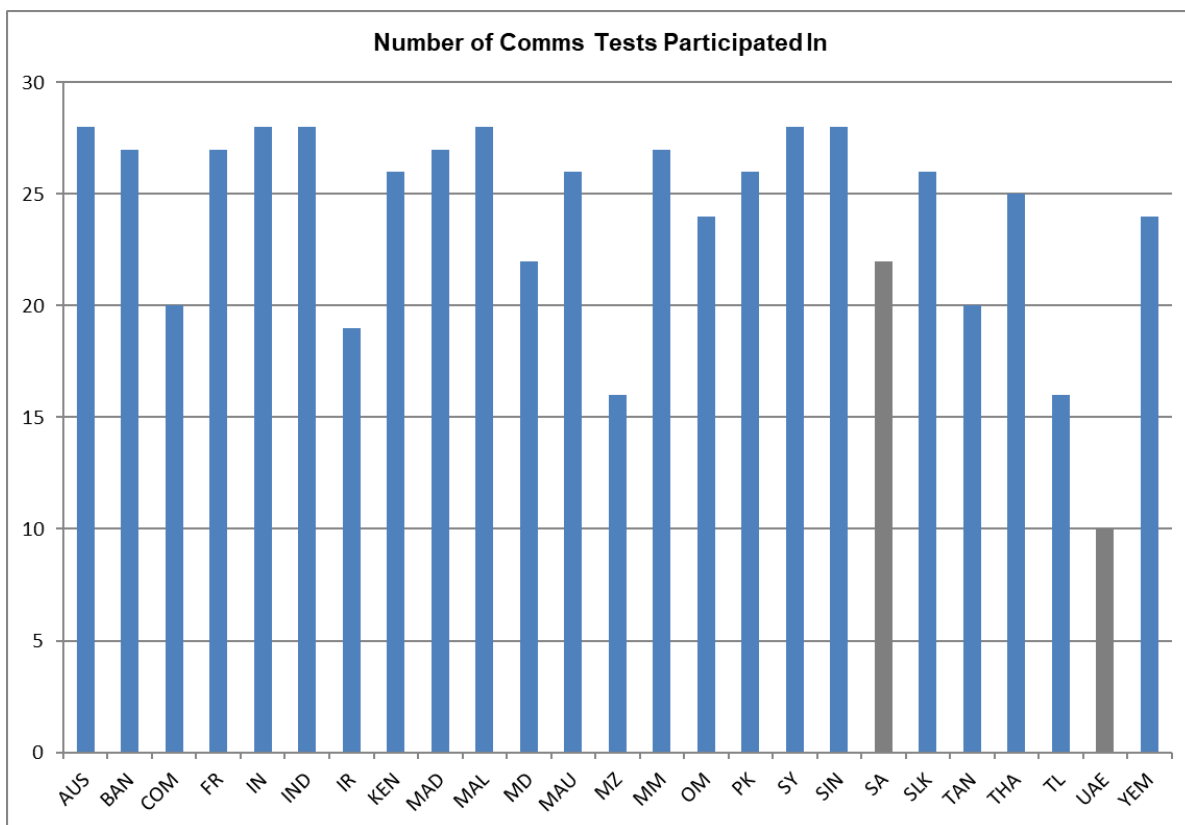
Table 1: Log of Member State Participation in all Tests

Test	AUS	BAN	COM	FR	IN	IND	IR	KEN	MAD	MAL	MD	MAU	MZ	MM	OM	PK	SY	SIN	SA	SLK	TAN	THA	TL	UAE	YEM	Total
1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1		1	1	1	1		1	21
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1		1	23
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1		1	23
4	1	1	0	1	1	1	0	1	1	1	0	1	1	1	1	0	1	1		1	1	1	1		1	19
5	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1		1	21
6	1	1	0	1	1	1	0	1	1	1	1	0	1	1	0	1	1	1		1	0	0	1		1	17
7	1	1	0	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1		1	20
8	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0		1	21
9	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	23
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	24
11	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1		0	21
12	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	0	1	1		0	20
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0		1	23
14	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0		1	21
15	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0		1	22
16	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	0		0	20
17	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0		0	21
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	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
28	1	1	1	1	1	1	0	0	1	1	0	1	0	1	0	1	1	1	1	1	0	0	0	1	1	17
Total	28	27	20	27	28	28	19	26	27	28	22	26	16	27	24	26	28	28	22	26	20	25	16	10	24	Av: 21

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

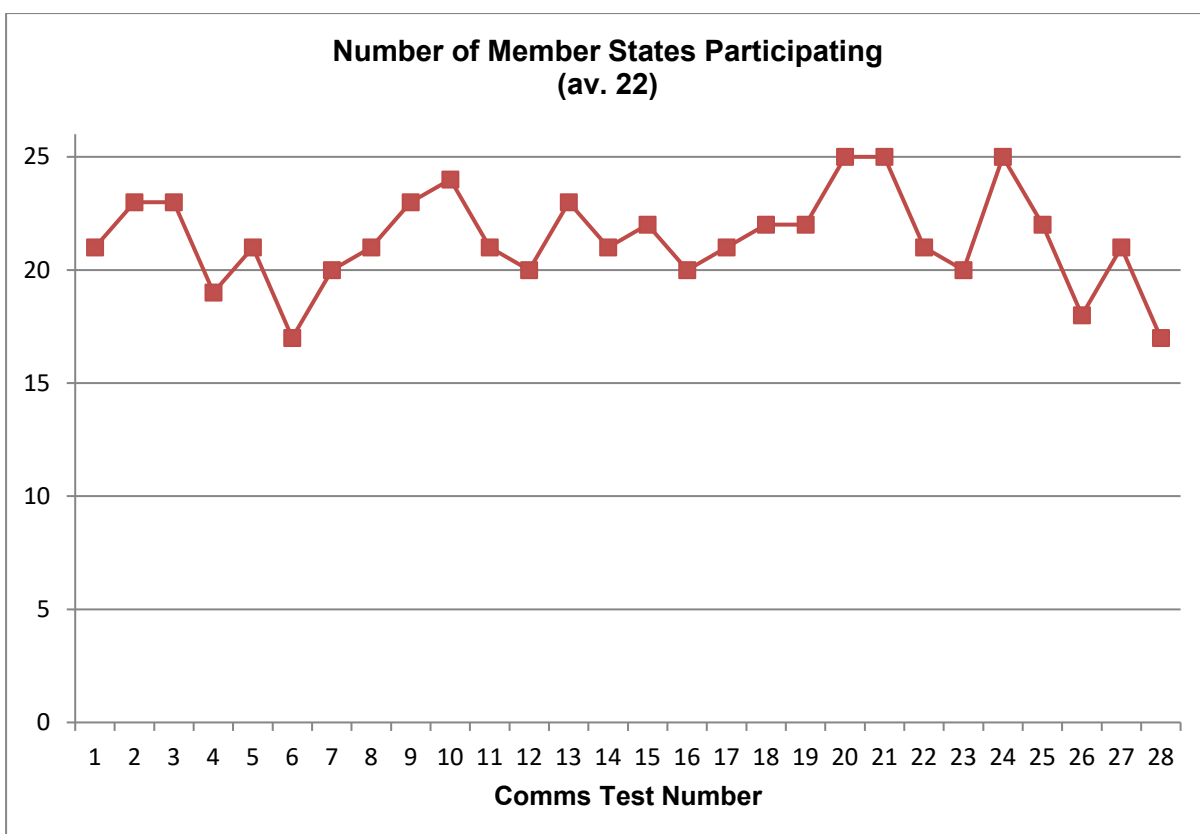
Chart 1: Number of Tests Participated in by Member State



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	06:05	06:15	06:30	06:45
India	05:59	06:06	06:18	06:32	06:44
Indonesia	06:00	06:05	06:15	06:30	06:45

Addresses: The NTWC fax, email and SMS addresses used by the TSPs were those contained in updates to the IOTWMS NTWC Contact Databases supplied to the TSPs by the ICG/IOTWMS Secretariat on 29 November 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 GTS reception rate was 73% with an average rate of 67% across the three TSPs. This is a decrease from the previous communications test where the GTS average reception rate was 82%.

Thirteen (13) of the 16 GTS-connected NTWCs received GTS messages. Bangladesh, Comoros and Yemen did not receive or report, while Madagascar remains opted out of the service.

GTS messages continue to be received promptly, with most arriving within 1–3 minutes of issuance. The longest delay was 6 minutes for Myanmar to receive the TSP-India notification bulletins 2 and 3.

5.2.2 Fax

The overall highest fax reception rate was 13% with an average rate of 8% across the three TSPs. This is lower than the previous test fax reception rate of 16%.

In this test only four (4) of the 14 NTWCs who opted to receive bulletins via fax reported receiving fax messages, with TSP Australia's messages being received by 0 NTWCs, India's by 2 NTWCs, and Indonesia's by 2 NTWCs.

Fax message delay were mostly less than 1-10 minutes. However, the longest delay was 21 minutes for Myanmar to receive TSP Indonesia notification bulletin 1.

This is the final communications test that will include fax as a delivery method for TSP notification bulletins. As notified in IOC Circular Letter No 3006, the fax transmission

of tsunami information products by Tsunami Service Providers will stop on 31 March 2025.

5.2.3 Email

The overall highest email reception rate was 93%, with an average rate of 87% across the three TSPs. This is slightly lower than the previous test email average reception rate of 89%.

Sixteen (16) out of 17 NTWCs received email notifications. Bangladesh did not receive or report them. Emails from TSP Australia were received by 16 NTWCs, emails from TSP India by 15 NTWCs, and emails from TSP Indonesia by 14 NTWCs.

Email messages continued to be received promptly, with almost all received within 2 minutes of the issue time. The maximum delay was 6 minutes for France to receive the TSP Australia notification bulletin 2 and Australia to receive TSP India notification bulletin 2.

5.2.4 SMS

The highest SMS message reception rates in this test were 36% with an average rate of 35% across the three TSPs. This is slightly lower than the previous SMS average reception rate of 40%.

In this test twelve (12) of the 17 NTWCs received SMS messages. Comoros, France, Mauritius, UAE, and Yemen did not receive or report on the SMS reception from any TSPs.

TSP Australia's SMS messages were received by 7 out of 17 NTWCs, TSP India's messages were received by 7 NTWCs, and TSP Indonesia's messages were received by 6 NTWCs. The longest delay was 27 minutes for Australia and India to receive TSP Indonesia's notification bulletin 1.

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 highest overall success rate of web access was 94% with an average rate of 80% across three TSPs. This is marginally lower than previous web access average reporting rate of 81%.

Sixteen (16) of the 17 NTWCs could access at least one TSP website during the test. Comoros 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, 10 of the 17 NTWCs reported that they lodged web status reports. This rate is 48%, which is less than the previous test (62%).

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 65%, i.e., 11 out of 17 NTWCs. Australia, Bangladesh, Comoros, Madagascar, Singapore and

UAE did not report. This is the 7th time the TSP-Indonesia WRS was used in communications tests.

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 87% of the TSP email messages received by NTWCs in this test.

GTS was the second most successful communication medium with 67% of TSP GTS messages being received by NTWCs in this test.

SMS message reception was 35%. It has fallen over the last six tests and is the second lowest rate recorded.

Fax message reception was 8% in this test, which is the lowest rate recorded.

7.3 Validate access by NTWCs to TSP password-protected websites

Website access increased to 80% in this test. It has slightly decreased compared to last test (81%).

7.4 Validate reporting by NTWCs of national warning status information

NTWC status report lodgements reported by NTWCs is 48%. This has decreased compared to last test (62%).

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.

Seventeen (17) IOTWMS Member States participated in this 28th 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% and in this test the reception rate was only 8%. 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 seventh communications test in which the TSP Indonesia's WRS was tested. Eleven NTWC's reported accessing the system and three NTWCs provided positive feedback. It is suggested that the WRS could be a viable addition to the delivery channels of GTS, Email, and SMS.

Both TSP webpage access and national warning status reporting rates have declined in this communications test. The webpage access was 80%, and the national warning status reporting was 48%. It is suggested that the submission of 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

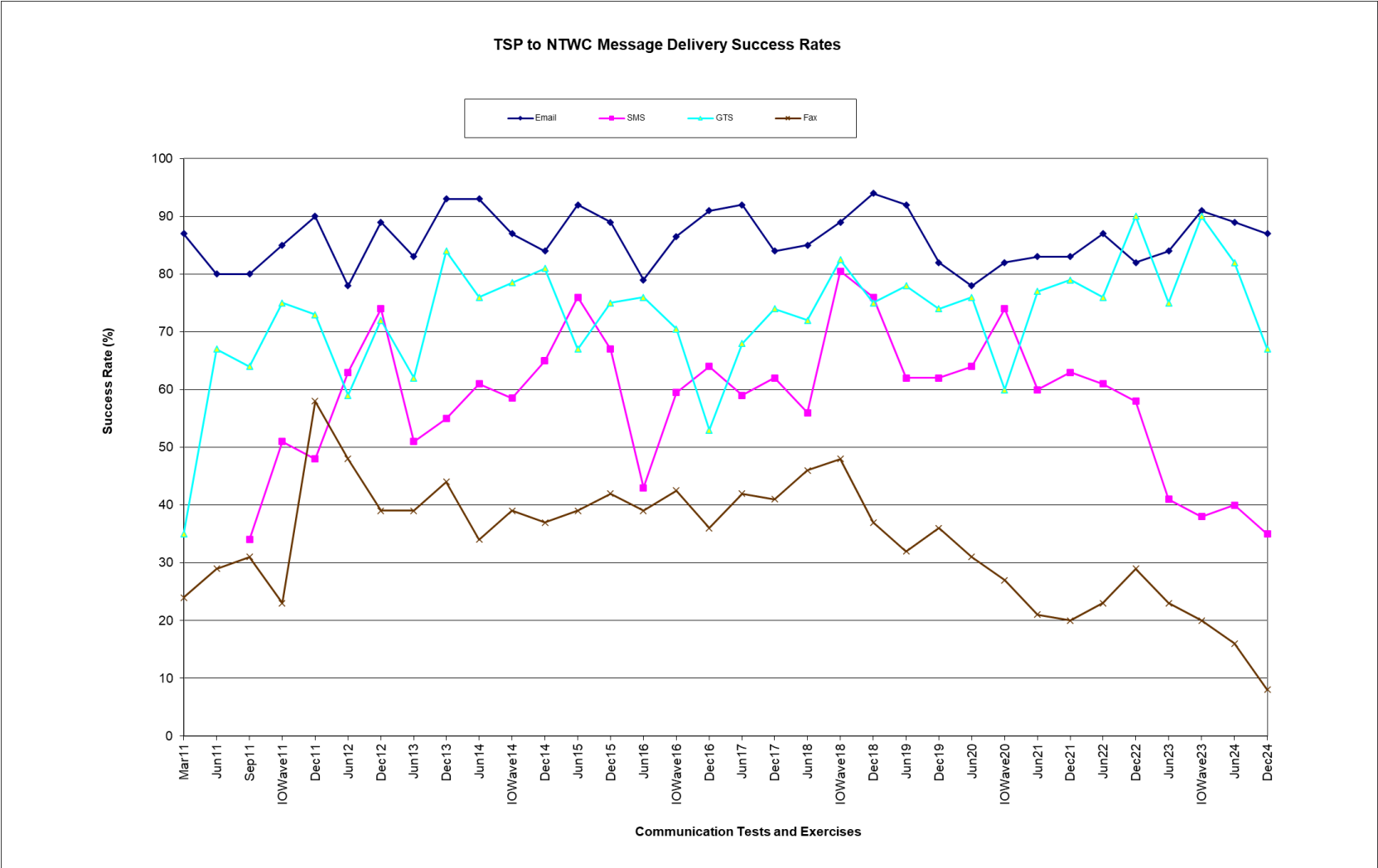
Test Date:	12-Jun-19 (22 NTWCs)		11-Dec-19 (25 NTWCs)		10-Jun-20 (25 NTWCs)		8-Dec-21 (21 NTWCs)		8-Jun-22 (25 NTWCs)		07-Dec-22 (22 NTWCs)		07-Jun-23 (18 NTWCs)		12-Jun-24 (21 NTWCs)		11-Dec-24 (17 NTWCs)	
Originating TSP	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (mins)	% of NTWCs	Max. Delay (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	76%	64	79%	6	76%	38	82%	16	78%	9	89%	28	83%	8	83%	22	64%	10
India	80%	58	73%	6	76%	6	80%	27	74%	12	93%	28	59%	8	79%	27	64%	6
Indonesia	76%	65	68%	19	75%	4	75%	35	76%	11	87%	27	83%	8	83%	22	73%	5
TSP Average	78%	62	74%	10	76%	16	79%	26	76%	11	90%	28	75%	8	82%	24	67%	7
Received Fax Messages																		
Australia	50%	57	45%	39	43%	80	7%	27	19%	152	28%	44	25%	48	20%	59	0%	n/a
India	30%	15	44%	38	36%	95	38%	9	30%	145	33%	307	27%	23	15%	18	13%	6
Indonesia	15%	79	18%	8	12%	15	14%	32	21%	177	26%	46	17%	43	13%	33	11%	21
TSP Average	32%	50	36%	28	31%	63	20%	23	23%	158	29%	132	23%	38	16%	37	8%	14
Received Email Messages																		
Australia	92%	37	84%	6	85%	15	93%	3	91%	6	85%	187	89%	12	89%	4	93%	4
India	97%	26	82%	12	76%	14	90%	5	87%	44	88%	187	81%	6	91%	10	86%	6
Indonesia	86%	58	79%	15	74%	4	70%	7	83%	10	73%	183	82%	7	86%	2	81%	6
TSP Average	92%	40	82%	11	78%	11	83%	5	87%	20	82%	186	84%	8	89%	5	87%	5
Received SMS Messages																		
Australia	55%	11	61%	5	66%	15	69%	70	58%	6	55%	41	67%	10	43%	3	36%	15
India	69%	96	58%	17	63%	34	59%	10	50%	8	50%	32	22%	2	35%	19	36%	5
Indonesia	63%	15	68%	62	62%	15	61%	34	75%	16	68%	140	34%	76	41%	18	31%	27
TSP Average	62%	41	62%	28	64%	21	63%	38	61%	10	58%	71	41%	19	40%	13	35%	16
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	76%	
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	71%	
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	94%	
TSP Average	71%		74%		79%		80%		68%		70%		81%		81%		80%	
Lodged Web Status Reports																		
	50%		58%		54%		75%		40%		45%		56%		62%		48%	

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.

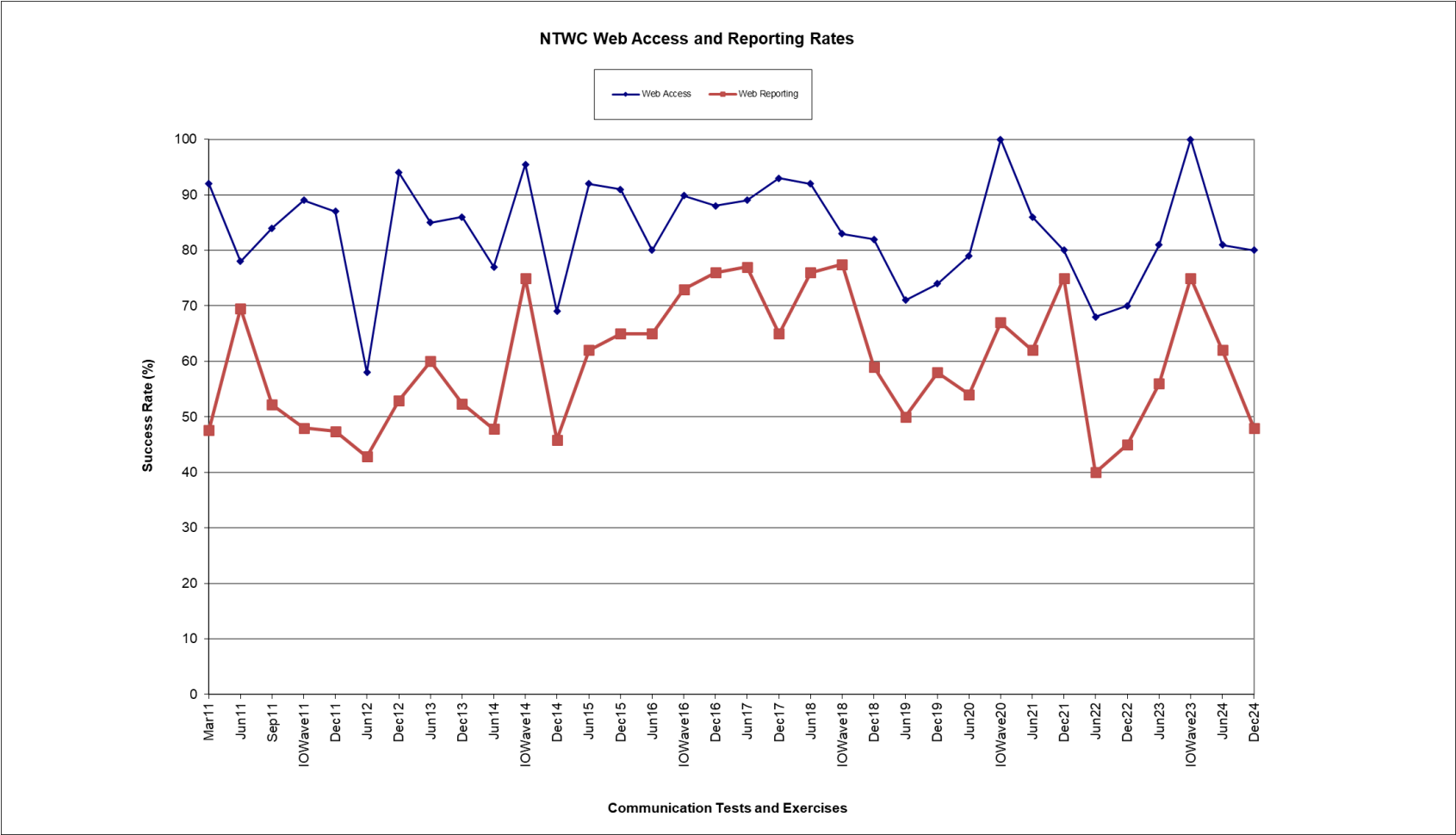
1. Max Delay" is the highest message delay reported across all NTWCs for each TSP's messages.
2. "-=" not issued in test
3. "n/a" = not applicable

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	FR	IN	IND	MAD	MAL	MAU	MM	PK	SY	SIN	SA	SLK	UAE	YEM
Message Receipt	GTS	AUSTRALIA	●	○	○	●	●	●	n/a	●	●	●	●	●	●	●	●	●	○
		INDIA	●	○	○	●	●	●	n/a	●	●	●	●	●	●	●	●	●	○
		INDONESIA	●	○	○	●	●	●	n/a	●	●	●	●	●	●	○	●	●	○
	Fax	AUSTRALIA	n/a	○	○	n/a	○	○	n/a	○	○	○	○	○	○	○	○	○	○
		INDIA	n/a	○	○	n/a	●	○	n/a	○	○	○	○	○	●	○	○	○	○
		INDONESIA	n/a	○	○	n/a	○	●	n/a	○	○	●	○	○	○	○	○	○	○
	Email	AUSTRALIA	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		INDIA	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	○
		INDONESIA	●	○	●	●	●	●	●	●	●	●	●	●	●	○	●	○	●
	SMS	AUSTRALIA	●	○	○	○	●	○	○	●	○	○	●	●	●	○	●	○	○
		INDIA	○	○	○	○	●	○	●	●	○	●	●	●	●	○	○	○	○
		INDONESIA	●	●	○	○	●	●	○	○	○	●	○	○	●	●	○	○	○
Website	Access	AUSTRALIA	●	○	○	●	●	●	●	●	●	○	●	●	●	●	●	●	●
		INDIA	●	○	○	●	●	●	●	●	●	○	●	○	●	●	●	●	●
		INDONESIA	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Report	Any TSP	●	○	○	●	●	●	○	●	○	●	●	○	○	●	○	●	●

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France, IN=India, IND=Indonesia, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MM=Myanmar, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, 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	FR	IN	IND	MAD	MAL	MAU	MM	PK	SY	SIN	SA	SLK	UAE	YEM	Tot	%	Ave
AUSTRALIA	06:00 Test Start	06:00	-	-	06:00	-	-	n/a	-	-	-	-	-	-	06:01	-	-	-	3	19	
	06:05 Bulletin 1	06:05	-	-	06:05	06:06	06:05	n/a	06:10	06:06	06:07	6:05	06:05	06:05	06:06	06:05	06:06	-	13	81	
	06:15 Bulletin 2	06:15	-	-	06:19	06:16	06:16	n/a	-	06:17	06:17	6:16	06:15	06:15	06:16	06:16	06:16	-	12	75	
	06:30 Bulletin 3	06:31	-	-	06:31	06:31	06:31	n/a	-	06:32	06:32	6:31	06:30	06:30	06:32	06:32	06:32	-	12	75	
	06:45 Bulletin 4	06:45	-	-	06:46	-	06:46	n/a	-	06:46	06:47	06:46	06:45	06:45	06:46	06:46	06:46	-	11	69	64
INDIA	06:00 Test Start	05:59	-	-	06:00	06:00	05:59	n/a	06:06	05:59	06:02	06:00	05:59	05:59	06:00	05:59	06:00	-	13	81	
	06:05 Bulletin 1	06:06	-	-	06:05	06:06	06:06	n/a	-	06:06	06:09	06:06	06:06	06:06	06:06	06:06	06:06	-	12	75	
	06:15 Bulletin 2	06:19	-	-	06:15	06:20	06:20	n/a	-	06:20	06:21	06:20	06:19	06:19	06:19	-	06:20	-	11	69	
	06:30 Bulletin 3	06:33	-	-	06:33	06:33	06:33	n/a	-	06:34	06:36	06:33	06:33	06:33	06:43	06:33	06:34	-	12	75	
	06:45 Bulletin 4	-	-	-	06:45	-	-	n/a	-	-	-	-	-	-	06:45	-	06:45	-	3	19	64
INDONESIA	06:00 Test Start	06:00	-	-	06:00	06:00	06:00	n/a	-	06:00	06:00	06:00	06:00	06:00	-	06:00	06:00	-	11	69	
	06:05 Bulletin 1	06:05	-	-	06:05	06:06	06:05	n/a	-	06:06	06:07	06:05	06:05	06:05	-	06:05	06:06	-	11	69	
	06:15 Bulletin 2	06:15	-	-	06:15	06:16	06:16	n/a	06:20	06:16	06:17	06:15	06:15	06:15	-	06:15	06:15	-	12	75	
	06:30 Bulletin 3	06:30	-	-	06:30	06:31	06:30	n/a	06:35	06:31	06:32	06:30	06:30	06:30	-	06:30	06:31	-	12	75	
	06:45 Bulletin 4	06:45	-	-	06:45	06:45	06:45	n/a	06:50	06:46	06:47	06:45	06:45	06:45	-	06:45	06:46	-	12	75	73

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France, IN=India, IND=Indonesia, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MM=Myanmar, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, UAE=United Arab Emirates, YEM=Yemen

Notes:

- = message not received or not reported
- n/a = Not applicable. The NTWC in Madagascar are not connected to the GTS.
- "Tot" = number of NTWCs who received message, out of 16
- "%" = percentage of NTWCs who received message
- Message(s) with maximum time delay for each TSP are highlighted in yellow. Highest overall delay = 6 minutes

Appendix B: Fax Messages Received by each NTWC

Bulletin No \ Country	AUS	BAN	COM	FR	IN	IND	MAD	MAL	MAU	MM	PK	SY	SIN	SA	SLK	UAE	YEM	Tot	%	Ave
06:00 Test Start	n/a	-	-	n/a	-	-	n/a	-	-	-	-	-	-	-	-	-	-	0	0	
06:05 Bulletin 1	n/a	-	-	n/a	-	-	n/a	-	-	-	-	-	-	-	-	-	-	0	0	
06:15 Bulletin 2	n/a	-	-	n/a	-	-	n/a	-	-	-	-	-	-	-	-	-	-	0	0	
06:30 Bulletin 3	n/a	-	-	n/a	-	-	n/a	-	-	-	-	-	-	-	-	-	-	0	0	
06:45 Bulletin 4	n/a	-	-	n/a	-	-	n/a	-	-	-	-	-	-	-	-	-	-	0	0	0
06:00 Test Start	n/a	-	-	n/a	06:01	-	n/a	-	-	-	-	-	05:59	-	-	-	-	2	14	
06:05 Bulletin 1	n/a	-	-	n/a	06:07	-	n/a	-	-	-	-	-	06:06	-	-	-	-	2	14	
06:15 Bulletin 2	n/a	-	-	n/a	06:21	-	n/a	-	-	-	-	-	-	-	-	-	-	1	7	
06:30 Bulletin 3	n/a	-	-	n/a	06:34	-	n/a	-	-	-	-	-	06:33	-	-	-	-	2	14	
06:45 Bulletin 4	n/a	-	-	n/a	06:46	-	n/a	-	-	-	-	-	06:45	-	-	-	-	2	14	13
06:00 Test Start	n/a	-	-	n/a	-	-	n/a	-	-	-	-	-	-	-	-	-	-	0	0	
06:05 Bulletin 1	n/a	-	-	n/a	-	06:06	n/a	-	-	06:26	-	-	-	-	-	-	-	2	14	
06:15 Bulletin 2	n/a	-	-	n/a	-	06:16	n/a	-	-	06:26	-	-	-	-	-	-	-	2	14	
06:30 Bulletin 3	n/a	-	-	n/a	-	06:31	n/a	-	-	06:41	-	-	-	-	-	-	-	2	14	
06:45 Bulletin 4	n/a	-	-	n/a	-	06:46	n/a	-	-	06:56	-	-	-	-	-	-	-	2	14	11

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France, IN=India, IND=Indonesia, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MM=Myanmar, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, UAE=United Arab Emirates, YEM=Yemen

Notes:

- = message not received or not reported
- n/a = Not applicable. Australia, France and Madagascar have opted out of the fax service.
- "Tot" = number of NTWCs who received message, out of 14
- "%" = percentage of NTWCs who received message
- Message(s) with maximum time delay for each TSP are highlighted in yellow. Highest overall delay = 21 minutes

Appendix C: Email Messages Received by each NTWC

	Bulletin No \ Country	AUS	BAN	COM	FR	IN	IND	MAD	MAL	MAU	MM	PK	SY	SIN	SA	SLK	UAE	YEM	Tot	%	Ave
AUSTRALIA	06:00 Test Start	06:01	-	06:01	06:00	06:01	06:01	06:01	06:01	06:00	06:00	06:00		06:01	06:01	06:01	06:01	06:01	15	88	
	06:05 Bulletin 1	06:06	-	06:06	06:06	06:04	06:05	06:05	06:06	06:06	06:05	06:05	06:06	06:06	06:06	06:06	06:06	06:06	16	94	
	06:15 Bulletin 2	06:17	-	06:17	06:19	06:17	06:16	06:16	06:17	06:15	06:15	06:17	06:16	06:16	06:16	06:17	06:17	06:17	16	94	
	06:30 Bulletin 3	06:32	-	06:31	06:31	06:31	06:31	06:31	06:31	06:32	06:30	06:31	06:32	06:32	06:32	06:31	06:32	06:32	16	94	
	06:45 Bulletin 4	06:46	-	06:47	06:46	06:44	06:46	06:46	06:47	06:47	06:45	06:47	06:46	06:46	06:46	06:47	06:47	06:47	16	94	93
INDIA	06:00 Test Start	06:00	-	05:49	06:00	05:59	05:59	05:59	05:59	05:59	05:59	06:00	06:00	05:59	06:00	05:59	05:59	-	15	88	
	06:05 Bulletin 1	06:07	-	06:06	06:06	06:06	06:06	06:01	06:06	06:06	06:06	06:06	06:07	06:06	06:06	06:06	06:06	-	15	88	
	06:15 Bulletin 2	06:21	-	06:19	06:15	06:19	06:19	06:19	06:19	06:19	06:19	06:17	06:20	06:19	06:19	06:15	06:19	-	15	88	
	06:30 Bulletin 3	06:34	-	06:33	06:33	06:33	06:33	06:33	06:33	06:33	06:33	06:33	06:34	06:33	06:43	06:33	06:33	-	15	88	
	06:45 Bulletin 4	-	-	09:45	06:45	06:45	06:45	06:45	06:45	06:45	06:45	06:45		06:45	06:45	06:45	06:45	-	13	76	86
INDONESIA	06:00 Test Start	06:01	-	06:00	06:00	06:00	06:00	06:00	06:00	06:00	06:00	-	06:01	06:01	-	06:00	-	06:01	13	76	
	06:05 Bulletin 1	06:06	-	06:05	06:06	06:05	06:06	06:05	06:05	06:05	06:05	06:11	06:06	06:06	-	06:05	-	06:05	14	82	
	06:15 Bulletin 2	06:17	-	06:15	06:15	06:15	06:15	06:15	06:15	06:15	06:15	06:15	06:16	06:16	-	06:15	-	06:15	14	82	
	06:30 Bulletin 3	06:31	-	06:30	06:30	06:30	06:30	06:30	06:30	06:30	06:30	06:30	06:31	06:31	-	06:30	-	06:30	14	82	
	06:45 Bulletin 4	06:46	-	06:45	06:45	06:45	06:45	06:45	06:45	06:45	06:45	06:47	06:46	06:46	-	06:45	-	06:45	14	82	81

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France, IN=India, IND=Indonesia, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MM=Myanmar, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, UAE=United Arab Emirates, YEM=Yemen

Notes:

1. - = message not received or not reported.
2. "Tot" = number of NTWCs who received message, out of 17
3. "%" = percentage of NTWCs who received message
4. Message(s) with maximum time delay for each TSP highlighted in yellow. Highest overall delay = 6 minutes

Appendix D: SMS Messages Received by each NTWC

	Bulletin No \ Country	AUS	BAN	COM	FR	IN	IND	MAD	MAL	MAU	MM	PK	SY	SIN	SA	SLK	UAE	YEM	Tot	%	Ave
AUSTRALIA	06:00 Test Start	06:01	-	-	-	06:01	-	-	-	-	-	06:01	6:01	06:01	-	6:01	-	-	6	35	
	06:05 Bulletin 1	06:06	-	-	-	06:05	-	-	06:16	-	-	06:05	6:06	06:06	-	6:06	-	-	7	41	
	06:15 Bulletin 2	06:16	-	-	-	06:16	-	-	-	-	-	06:17	6:16	06:16	-	6:16	-	-	6	35	
	06:30 Bulletin 3	06:31	-	-	-	06:30	-	-	-	-	-	06:31	6:32	06:31	-	6:31	-	-	6	35	
	06:45 Bulletin 4	06:46	-	-	-	06:46	-	-	-	-	-	07:00	6:46	06:46	-	6:46	-	-	6	35	36
INDIA	06:00 Test Start	-	-	-	-	06:00	-	06:00	05:59	-	06:00	06:00	6:00	06:00	-	-	-	-	7	41	
	06:05 Bulletin 1	-	-	-	-	06:06	-	06:05	-	-	06:07	06:07	6:07	06:07	-	-	-	-	6	35	
	06:15 Bulletin 2	-	-	-	-	06:20	-	06:15	-	-	06:19	06:19	6:19	06:19	-	-	-	-	6	35	
	06:30 Bulletin 3	-	-	-	-	06:33	-	06:30	-	-	06:33	06:33	6:33	06:35	-	-	-	-	6	35	
	06:45 Bulletin 4	-	-	-	-	06:46	-	06:46	-	-	06:45	06:45	6:45	06:45	-	-	-	-	6	35	36
INDONESIA	06:00 Test Start	06:01	6:05	-	-	06:04		-	-	-	06:06	-	-	-	-	-	-	-	4	24	
	06:05 Bulletin 1	06:22	6:15	-	-	06:22	06:06	-	-	-	-	-	-	06:19	6:19	-	-	-	6	35	
	06:15 Bulletin 2	06:29	6:25	-	-	06:25	06:26	-	-	-	-	-	-	06:28	-	-	-	-	5	29	
	06:30 Bulletin 3	06:43	6:40	-	-	06:47	06:36	-	-	-	06:45	-	-	06:42	-	-	-	-	6	35	
	06:45 Bulletin 4	06:51	6:45	-	-	06:57	06:52	-	-	-	-	-	-	06:50	-	-	-	-	5	29	31

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France, IN=India, IND=Indonesia, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MM=Myanmar, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, UAE=United Arab Emirates, YEM=Yemen

Notes:

1. - = message not received or not reported
2. "Tot" = number of NTWCs who received message, out of 17
3. "%" = percentage of NTWCs who received message
4. Message(s) with maximum time delay for each TSP highlighted in yellow. Highest overall delay = 17 minutes

Appendix E: Web Access by each NTWC

Bulletin No \ Country	AUS	BAN	COM	FR	IN	IND	MAD	MAL	MAU	MM	PK	SY	SIN	SA	SLK	UAE	YEM	Tot	%	Ave
06:05 Bulletin 1	1	0	-	1	1	1	1	1	1	0	1	1	1	1	1	1	0	13	76	
06:15 Bulletin 2	1	0	-	1	1	1	1	1	1	0	1	1	1	1	1	1	0	13	76	
06:30 Bulletin 3	1	0	-	1	1	1	1	1	1	0	1	1	1	1	1	1	0	13	76	
06:45 Bulletin 4	1	0	-	1	1	1	1	1	1	0	1	1	1	1	1	1	0	13	76	76
06:05 Bulletin 1	1	0	-	1	1	1	1	1	1	0	1	0	1	1	1	1	-	12	71	
06:15 Bulletin 2	1	0	-	1	1	1	1	1	1	0	1	0	1	1	1	1	-	12	71	
06:30 Bulletin 3	1	0	-	1	1	1	1	1	1	0	1	0	1	1	1	1	-	12	71	
06:45 Bulletin 4	1	0	-	1	1	1	1	1	1	0	1	0	1	1	1	1	-	12	71	71
06:05 Bulletin 1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	94	
06:15 Bulletin 2	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	94	
06:30 Bulletin 3	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	94	
06:45 Bulletin 4	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	94	94

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France, IN=India, IND=Indonesia, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MM=Myanmar, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, 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 17
- "%" = percentage of NTWCs who accessed web page

Appendix F: Web Status Reports lodged by each NTWC

TSP	% NTWCs reporting (out of 17)	Number of NTWCs	AUS	BAN	COM	FR	IN	IND	MAD	MAL	MAU	MM	PK	SY	SIN	SA	SLK	UAE	YEM
Australia	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
India	38%	8	1	0	0	1	1	1	0	1		1	1	0	0	0	0	1	0
Indonesia	10%	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Any TSP	48%	10	1	0	0	1	1	1	0	1	0	1	1	0	0	1	0	1	1

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France, IN=India, IND=Indonesia, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MM=Myanmar, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, UAE=United Arab Emirates, YEM=Yemen

- Notes:
- 1= yes
 - 0= no
 - = not reported

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

This is the webpage snapshot as at 06:10 UTC.



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Summary of the Current Threat Status as reported by the NTWCs

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

Legend

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

Show 50 rows

entries

Search:

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

Figure 2a: TSP India NTWC Status Display Webpage after 2nd Test Message
This is the webpage snapshot at 06:28 UTC.



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Summary of the Current Threat Status as reported by the NTWCs

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

Legend

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

Show 50 rows entries

Search:

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

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



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Summary of the Current Threat Status as reported by the NTWCs

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

Legend

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

Show 50 rows entries

Search:

Country	Threat Status	Comments	Sender	Sender Time
Australia	CANCELLATION/ALL CLEAR.	TEST TEST. exercise now finished TEST TEST	Robert Greenwood	Wed Dec 11 2024 17:45:58 GMT+1100 (Australian Eastern Daylight Time)
Bangladesh	-	-	-	-
Comoros	-	-	-	-
Djibouti	-	-	-	-
France (Indian Ocean Territories)	-	-	-	-
India	Threat Level 3	Tsunami waves are being observed in many areas of India. Evacuations are being carried out in all threat areas.	ITEWC	Wed Dec 11 2024 12:07:55 GMT+0530 (India Standard Time)
Indonesia	-	-	-	-
Iran	-	-	-	-
Kenya	-	-	-	-
Madagascar	-	-	-	-
Malaysia	-	-	-	-
Maldives	-	-	-	-
Mauritius	-	-	-	-
Mozambique	-	-	-	-
Myanmar	-	-	-	-
Oman	CANCELLATION/ALL CLEAR.		Ahmed	Wed Dec 11 2024 10:46:36 GMT+0400
Pakistan	CANCELLATION/ALL CLEAR.		Ameer Hyder, NTWC,Pakistan	Wed Dec 11 2024 11:46:31 GMT+0500 (Pakistan Standard Time)
Seychelles	-	-	-	-
Singapore	-	-	-	-
Somalia	-	-	-	-
South Africa	Threat Level 1		Kevin Rae	Wed Dec 11 2024 08:38:23 GMT+0200 (South Africa Standard Time)
Sri Lanka	-	-	-	-
Tanzania	-	-	-	-
Thailand	-	-	-	-
Timor-Leste	-	-	-	-
UAE	-	-	-	-
UK (Indian Ocean Territories)	-	-	-	-
Yemen	-	-	-	-

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

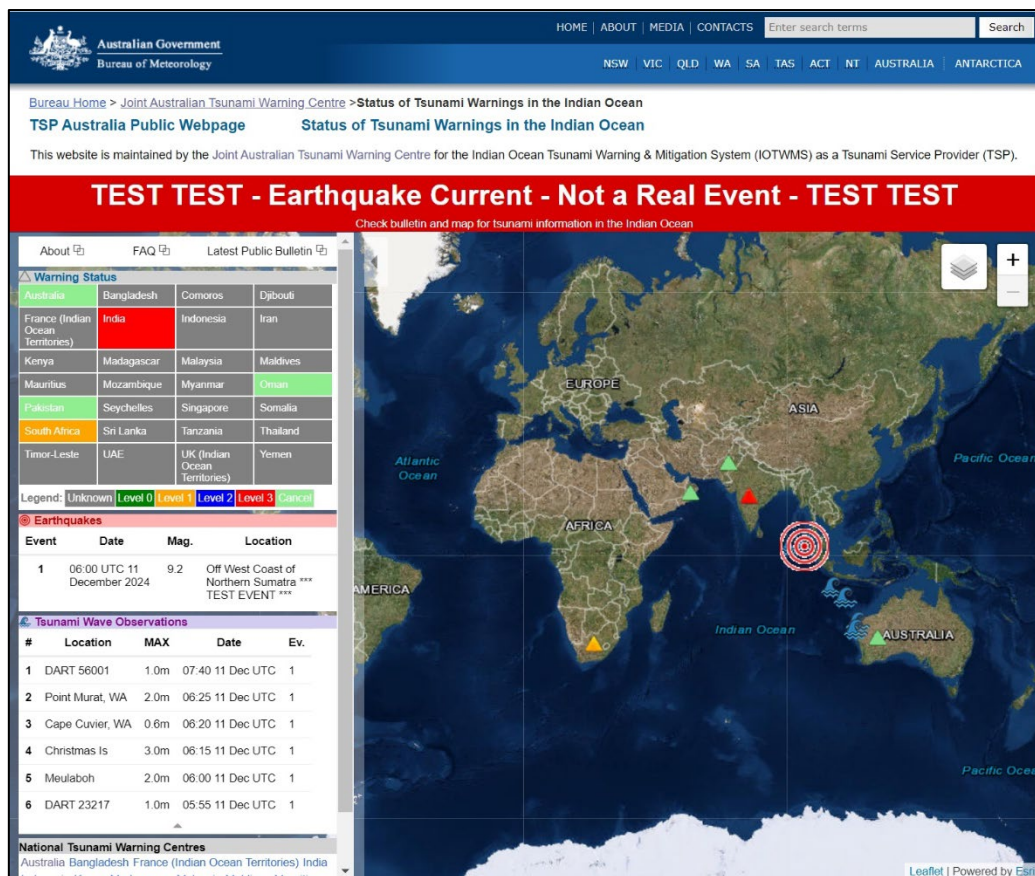


Figure 4a: TSP India NTWC Status Display Webpage after 4th Test Message (final)
The webpage snapshot at 09:16 UTC.



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Summary of the Current Threat Status as reported by the NTWCs

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

Legend

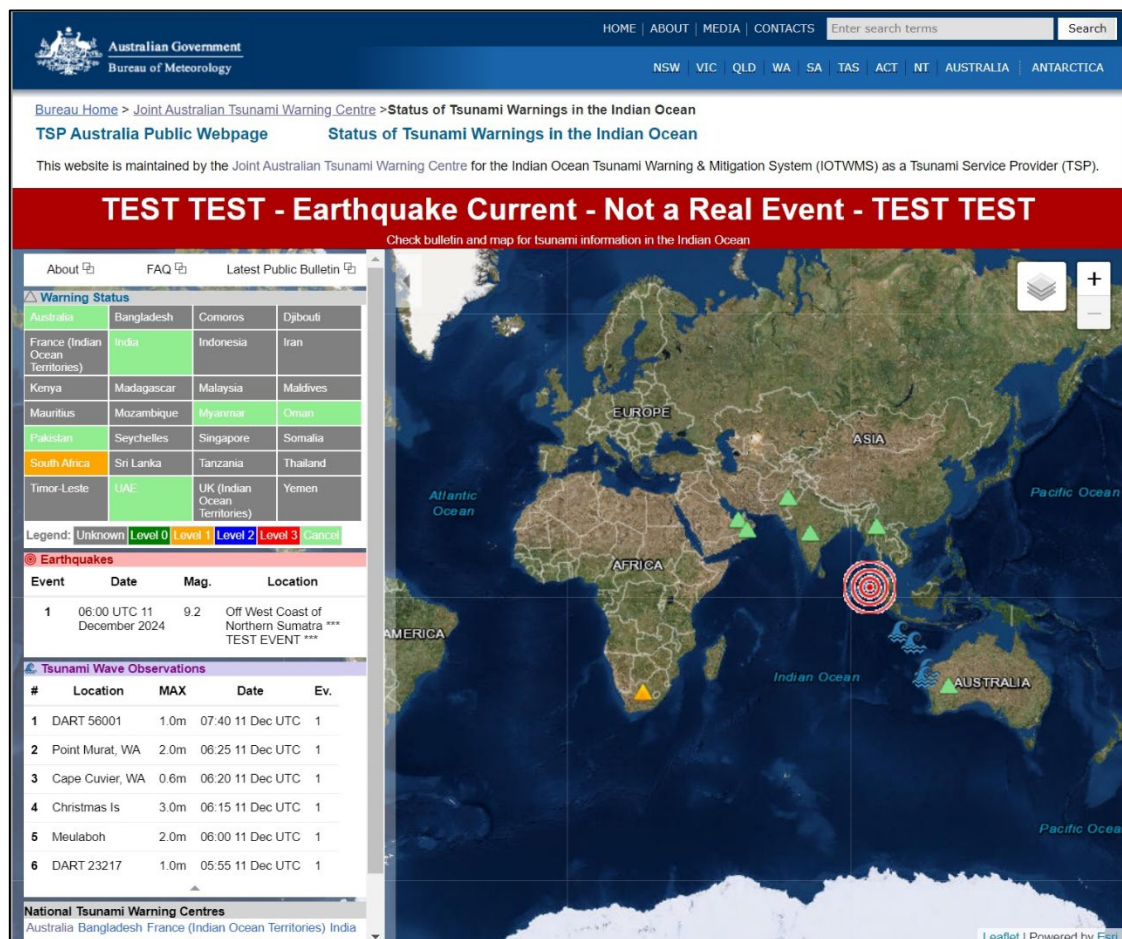
- Threat Level 0: No impact expected, no flooding, no currents.
- Threat Level 1: There is a potential for tsunami impact, but given the travel time, no response of the public is necessary at the moment.
- Threat Level 2: Threat to coastal marine areas due to strong currents and oscillations in sea level.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

Show 50 rows entries

Search:

Country	Threat Status	Comments	Sender	Sender Time
Australia	CANCELLATION/ALL CLEAR.	TEST TEST, exercise now finished TEST TEST	Robert Greenwood	Wed Dec 11 2024 17:45:58 GMT+1100 (Australian Eastern Daylight Time)
Bangladesh	-	-	-	-
Comoros	-	-	-	-
Djibouti	-	-	-	-
France (Indian Ocean Territories)	-	-	-	-
India	CANCELLATION/ALL CLEAR.	Tsunami threat has been cancelled. Disaster Management administrators are advised to take decision based on local conditions.	ITEWC	Wed Dec 11 2024 12:20:33 GMT+0530 (India Standard Time)
Indonesia	-	-	-	-
Iran	-	-	-	-
Kenya	-	-	-	-
Madagascar	-	-	-	-
Malaysia	-	-	-	-
Maldives	-	-	-	-
Mauritius	-	-	-	-
Mozambique	-	-	-	-
Myanmar	CANCELLATION/ALL CLEAR.	NTWC, Myanmar will issue tsunami cancellation for Myanmar coastal areas based on the RTSPs information.	NTWC	Wed Dec 11 2024 13:17:17 GMT+0630 (Myanmar Time)
Oman	CANCELLATION/ALL CLEAR.		Ahmed	Wed Dec 11 2024 10:46:36 GMT+0400
Pakistan	CANCELLATION/ALL CLEAR.		Ameer Hyder, NTWC,Pakistan	Wed Dec 11 2024 11:46:31 GMT+0500 (Pakistan Standard Time)
Seychelles	-	-	-	-
Singapore	-	-	-	-
Somalia	-	-	-	-
South Africa	Threat Level 1		Kevin Rae	Wed Dec 11 2024 08:38:23 GMT+0200 (South Africa Standard Time)
Sri Lanka	-	-	-	-
Tanzania	-	-	-	-
Thailand	-	-	-	-
Timor-Leste	-	-	-	-
UAE	CANCELLATION/ALL CLEAR.		NCM-NTWC	Wed Dec 11 2024 10:50:21 GMT+0400 (Gulf Standard Time)
UK (Indian Ocean Territories)	-	-	-	-
Yemen	-	-	-	-

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



Appendix G: Accessibility of TSP-Indonesia Warning Receiver System

AUS	BAN	COM	FR	IN	IND	MAD	MAL	MAU	MM	PK	SY	SIN	SA	SLK	UAE	YEM	Tot	%
-	-	-	1	1	1	-	1	1	1	1	1	-	1	1	-	1	11	65

AUS=Australia, BAN=Bangladesh, COM=Comoros, FR=France, IN=India, IND=Indonesia, MAD=Madagascar, MAL=Malaysia, MAU=Mauritius, MM=Myanmar, PK=Pakistan, SY=Seychelles, SIN=Singapore, SA=South Africa, SLK=Sri Lanka, UAE=United Arab Emirates, YEM=Yemen

Notes:

- 1= yes
- 0= no
- = not reported
- "Tot" = number of NTWCs who accessed TSP web page, out of 17
- "%" = percentage of NTWCs who accessed web page

Comments

Indonesia: TSP Indonesia warning receiver system has a very good work performance all this time and very helpful to operators.

Appendix H: Test Messages Transmitted by each TSP

TSP AUSTRALIA Test Start Message

IDY68502
WEIO24 AMMC 110600

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

INDIAN OCEAN TSUNAMI WARNING AND MITIGATION SYSTEM [IOTWS] IOTWS COMMUNICATIONS
TEST
0600 UTC 11 DECEMBER 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 11 DECEMBER 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

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

TSP AUSTRALIA Message 1

```
IDY68503
#####
#
#   IOTWMS COMMS TEST 11 DECEMBER 2024 - NOT A REAL TSUNAMI EVENT
#
#####
```

```
-----
TEST TSUNAMI BULLETIN NUMBER 1 (TYPE-I EARTHQUAKE BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)
ISSUED AT 0605 UTC WEDNESDAY 11 DECEMBER 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: 9.2 Mwp
Depth: 10 km
Date: 11 Dec 2024
Origin Time: 0600 UTC
Latitude: 3.30N
Longitude: 95.96E
Location: Off West Coast of Northern Sumatra

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: <https://tsunami.incois.gov.in/TEWS/TSP>
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
<http://reg.bom.gov.au/tsunami/rtsp>

END OF BULLETIN

```
-----
```

```
#####  
#  
#   IOTWMS COMMS TEST 11 DECEMBER 2024 - NOT A REAL TSUNAMI EVENT  
#  
#####
```


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

TSP AUSTRALIA Message 2

IDY68501

IOTWMS COMMS TEST 11 DECEMBER 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 11 DECEMBER 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. TSUNAMI SOURCE INFORMATION
IOTWMS-TSP AUSTRALIA has detected an earthquake with the following details:

Magnitude: 9.2 Mwp
Depth: 10 km
Date: 11 Dec 2024
Origin Time: 0600 UTC
Latitude: 3.30N
Longitude: 95.96E
Location: Off West Coast of Northern Sumatra

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

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

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

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

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

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

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

made by national/state/local authorities.

AUSTRALIA

CHRISTMAS ISLAND	07:06Z	11Dec2024	1.21 m
COCOS ISLAND	07:12Z	11Dec2024	3.84 m
NINGALOO COAST	09:20Z	11Dec2024	2.07 m
PILBARA COAST WEST	09:54Z	11Dec2024	3.75 m
GASCOYNE COAST	10:06Z	11Dec2024	2.81 m
GERALDTON COAST	10:14Z	11Dec2024	3.12 m
PILBARA COAST EAST	10:34Z	11Dec2024	1.75 m
LANCELIN COAST	10:42Z	11Dec2024	2.25 m
PERTH COAST	10:46Z	11Dec2024	2.71 m
BUNBURY GEOGRAPHE COAST	11:06Z	11Dec2024	3.12 m
LEEUEWIN COAST	11:18Z	11Dec2024	1.96 m
WEST KIMBERLY COAST	12:04Z	11Dec2024	1.88 m
NORTH KIMBERLY COAST	12:36Z	11Dec2024	1.42 m
ALBANY COAST	12:36Z	11Dec2024	1.89 m
ESPERANCE COAST	15:04Z	11Dec2024	1.01 m
HEARD ISLAND AND MCDONALD ISLANDS	15:04Z	11Dec2024	7.68 m
AURORA BANK	15:16Z	11Dec2024	3.93 m
NORTH TIWI COAST	22:22Z	11Dec2024	0.64 m
SOUTH WEST COAST TAS	23:02Z	11Dec2024	1.38 m
CENTRAL WEST COAST TAS	23:08Z	11Dec2024	1.21 m
FAR NORTH WEST COAST TAS	23:36Z	11Dec2024	0.74 m
LOWER SOUTH EAST COAST SA	23:58Z	11Dec2024	0.94 m
WEST COAST VIC	00:00Z	12Dec2024	1.16 m
BEAGLE BONAPARTE COAST	00:18Z	12Dec2024	0.66 m
CENTRAL COAST SA	00:42Z	12Dec2024	0.76 m
LOWER WEST COAST SA	00:54Z	12Dec2024	0.81 m
UPPER WEST COAST SA	01:26Z	12Dec2024	1.28 m
SOUTH CENTRAL COAST SA	01:26Z	12Dec2024	0.77 m
UPPER SOUTH EAST COAST SA	01:36Z	12Dec2024	0.91 m
FAR WEST COAST SA	01:36Z	12Dec2024	0.78 m
EUCLA COAST	01:46Z	12Dec2024	0.81 m
CENTRAL COAST VIC	02:08Z	12Dec2024	0.58 m

BANGLADESH

CHITTAGONG	08:56Z	11Dec2024	3.14 m
KHULNA	08:58Z	11Dec2024	1.69 m
NOAKHALI	09:08Z	11Dec2024	3.72 m
BARISAL	09:08Z	11Dec2024	3.72 m

COMOROS

BAMBAO	14:16Z	11Dec2024	1.38 m
CHEZANI	14:22Z	11Dec2024	2.61 m
FOMBONI	14:22Z	11Dec2024	1.65 m

DJIBOUTI

DJIBOUTI	15:34Z	11Dec2024	2.65 m
OBOCK	15:38Z	11Dec2024	1.58 m

FRANCE

ILE SAINT-PAUL-NORTH	12:00Z	11Dec2024	2.93 m
ILE SAINT-PAUL-SOUTH	12:12Z	11Dec2024	3.75 m
SAINT-PIERRE	12:52Z	11Dec2024	4.83 m
SAINT-DENIS	12:54Z	11Dec2024	3.51 m
DZAOUDZI	14:16Z	11Dec2024	1.07 m
ILE KERGUELEN	14:26Z	11Dec2024	7.23 m
ILE DE LA POSSESSION	14:52Z	11Dec2024	3.43 m
NES CROZET	14:54Z	11Dec2024	3.03 m
CROZET PLATEAU	15:04Z	11Dec2024	4.47 m

INDIA

NICOBAR ISLANDS	06:06Z	11Dec2024	19.81m
NICOBAR ISLANDS	06:08Z	11Dec2024	29.85m
NICOBAR ISLANDS	06:10Z	11Dec2024	24.97m

ANDAMAN ISLANDS	06:20Z	11Dec2024	8.33 m
ANDAMAN ISLANDS	06:28Z	11Dec2024	5.71 m
ANDAMAN ISLANDS	06:40Z	11Dec2024	5.37 m
ANDAMAN ISLANDS	06:52Z	11Dec2024	3.18 m
ANDAMAN ISLANDS	06:52Z	11Dec2024	3.50 m
ANDAMAN ISLANDS	06:52Z	11Dec2024	6.61 m
ANDAMAN ISLANDS	06:58Z	11Dec2024	2.06 m
ANDAMAN ISLANDS	07:00Z	11Dec2024	3.10 m
ANDAMAN ISLANDS	07:14Z	11Dec2024	5.15 m
NARCONDAM ISLAND	07:16Z	11Dec2024	3.21 m
VILLUPURAM	08:02Z	11Dec2024	8.36 m
KANCHEEPURAM	08:02Z	11Dec2024	5.79 m
CHENNAI	08:02Z	11Dec2024	5.79 m
PUDUCHERRY	08:04Z	11Dec2024	5.24 m
CUDDALORE	08:04Z	11Dec2024	5.90 m
NELLORE	08:06Z	11Dec2024	14.02m
THIRUVALLUR	08:08Z	11Dec2024	7.38 m
NAGAPATTINAM - NORTH	08:08Z	11Dec2024	4.86 m
EAST GODAVARI	08:08Z	11Dec2024	3.41 m
THANJAVUR	08:10Z	11Dec2024	2.85 m
KARAIKAL	08:10Z	11Dec2024	4.07 m
KRISHNA	08:10Z	11Dec2024	4.84 m
NAGAPATTINAM - SOUTH	08:10Z	11Dec2024	5.37 m
WEST GODAVARI	08:14Z	11Dec2024	3.76 m
VISHAKHAPATNAM	08:14Z	11Dec2024	2.71 m
THIRUVARUR	08:14Z	11Dec2024	2.86 m
GUNTUR	08:16Z	11Dec2024	3.93 m
SRIKAKULAM	08:18Z	11Dec2024	4.65 m
PRAKASAM	08:20Z	11Dec2024	4.74 m
JAGATSINGHPUR	08:20Z	11Dec2024	4.25 m
VIZIANAGARAM	08:20Z	11Dec2024	2.44 m
PURI	08:22Z	11Dec2024	3.42 m
GANJAM	08:28Z	11Dec2024	6.21 m
KENDRAPARA	08:36Z	11Dec2024	4.34 m
THOOTHUKUDI	08:40Z	11Dec2024	3.02 m
TIRUNELVELI	08:48Z	11Dec2024	3.85 m
RAMANANTHAPURAM	08:50Z	11Dec2024	2.58 m
PUDUKKOTTAI	08:54Z	11Dec2024	2.37 m
KANNIYAKUMARI	09:00Z	11Dec2024	4.12 m
NORTH 24 PARAGANAS	09:04Z	11Dec2024	1.37 m
SOUTH 24 PARAGANAS	09:08Z	11Dec2024	2.61 m
BHADRAK	09:08Z	11Dec2024	6.17 m
THIRUVANANTHAPURAM	09:14Z	11Dec2024	2.86 m
PURBA MEDINAPUR	09:16Z	11Dec2024	4.42 m
KOLLAM	09:16Z	11Dec2024	2.96 m
BALASORE	09:24Z	11Dec2024	5.59 m
KAVARATTI	09:26Z	11Dec2024	2.62 m
ALAPPUZHA	09:30Z	11Dec2024	3.05 m
KAVARATTI	09:36Z	11Dec2024	1.71 m
KAVARATTI	09:48Z	11Dec2024	1.68 m
THRISSUR	09:54Z	11Dec2024	2.08 m
KAVARATTI	09:56Z	11Dec2024	1.60 m
ERNAKULAM	09:56Z	11Dec2024	2.06 m
KAVARATTI	09:58Z	11Dec2024	1.86 m
MALAPPURAM	10:06Z	11Dec2024	2.08 m
KOZHIKODE	10:18Z	11Dec2024	2.35 m
KANNUR	10:26Z	11Dec2024	2.89 m
MAHE	10:28Z	11Dec2024	2.88 m
KASARAGOD	10:32Z	11Dec2024	2.95 m
DAKSHIN KANNAD	10:52Z	11Dec2024	2.06 m
UDUPI	11:00Z	11Dec2024	2.26 m
UTTAR KANNAND	11:22Z	11Dec2024	2.46 m
SINDHUDURG	11:46Z	11Dec2024	2.09 m
SOUTH GOA	11:50Z	11Dec2024	2.06 m
NORTH GOA	11:52Z	11Dec2024	2.04 m
RATNAGIRI	12:12Z	11Dec2024	1.45 m

DEVBHUMI DWARAKA	14:06Z	11Dec2024	1.60 m
JAMNAGAR	14:14Z	11Dec2024	1.28 m
GIR SOMNATH	14:24Z	11Dec2024	2.25 m
KACHCHH	15:04Z	11Dec2024	1.78 m
PORBANDAR	15:26Z	11Dec2024	1.31 m
RAIGARH	15:42Z	11Dec2024	1.48 m
GREATER BOMBAY	15:42Z	11Dec2024	1.48 m
JUNAGADH	15:46Z	11Dec2024	1.99 m
PALGHAR	16:14Z	11Dec2024	1.72 m
ANAND	17:54Z	11Dec2024	1.21 m
BHARUCH	18:00Z	11Dec2024	1.02 m
BHAVNAGAR	18:00Z	11Dec2024	1.52 m
AMRELI	18:30Z	11Dec2024	1.17 m
SURAT	18:54Z	11Dec2024	1.08 m
NAVSARI	19:50Z	11Dec2024	0.94 m
VALSAD	19:50Z	11Dec2024	0.94 m

INDONESIA

NIAS-NORTH EAST	06:00Z	11Dec2024	9.44 m
KEPULAUAN MENTAWAI-EAST	06:00Z	11Dec2024	7.31 m
KEPULAUAN MENTAWAI-NORTH	06:00Z	11Dec2024	6.68 m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	06:00Z	11Dec2024	26.53m
SUMUT NIAS B	06:00Z	11Dec2024	19.86m
NAD SIMEULUE P.SIMEULUE	06:00Z	11Dec2024	22.15m
SUMUT NIAS-SELATAN P.TANABALA	06:00Z	11Dec2024	16.68m
SUMUT NIAS-SELATAN P.TANAHMASA	06:00Z	11Dec2024	15.53m
KEPULAUAN MENTAWAI-SOUTH	06:00Z	11Dec2024	15.01m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	06:00Z	11Dec2024	27.62m
SUMUT NIAS-SELATAN P.NIAS	06:00Z	11Dec2024	19.78m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	06:00Z	11Dec2024	26.40m
NAD ACEH-SINGKIL KEP.BANYAK	06:06Z	11Dec2024	14.18m
KEPULAUAN MENTAWAI-NORTH EAST	06:14Z	11Dec2024	6.86 m
NIAS	06:14Z	11Dec2024	8.48 m
NIAS SOUTH EAST	06:16Z	11Dec2024	8.08 m
NIAS-NORTH	06:16Z	11Dec2024	7.78 m
NAD ACEH-JAYA	06:20Z	11Dec2024	35.47m
NIAS-EAST	06:22Z	11Dec2024	19.08m
NAD ACEH-BESAR B	06:22Z	11Dec2024	32.03m
BENGKULU BENGKULU-UTARA P.ENGGANO	06:22Z	11Dec2024	5.64 m
SUMBAR PESISIR-SELATAN S	06:24Z	11Dec2024	8.39 m
BENGKULU BENGKULU-UTARA U	06:24Z	11Dec2024	6.62 m
NAD ACEH-BESAR P.BREUEH	06:24Z	11Dec2024	36.97m
NAD ACEH-SINGKIL	06:24Z	11Dec2024	6.19 m
NAD ACEH-BESAR P.PENASI	06:24Z	11Dec2024	34.49m
SUMBAR PESISIR-SELATAN U	06:24Z	11Dec2024	9.00 m
NAD KOTA-SABANG P.WEH	06:26Z	11Dec2024	22.79m
SUMUT MANDAILING-NATAL U	06:26Z	11Dec2024	8.98 m
NAD KOTA-BANDA-ACEH	06:26Z	11Dec2024	21.35m
NAD ACEH-SELATAN S	06:28Z	11Dec2024	12.13m
BENGKULU MUKOMUKO	06:28Z	11Dec2024	10.69m
SUMBAR KOTA-PADANG S	06:28Z	11Dec2024	11.41m
NAD NAGAN-RAYA	06:30Z	11Dec2024	16.99m
NAD ACEH-SELATAN U	06:32Z	11Dec2024	10.85m
SUMBAR KOTA-PARIAMAN	06:32Z	11Dec2024	9.01 m
NAD ACEH-BARAT	06:32Z	11Dec2024	37.34m
NAD ACEH-BARAT-DAYA	06:36Z	11Dec2024	18.55m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	06:38Z	11Dec2024	6.96 m
SUMBAR PADANG-PARIAMAN S	06:38Z	11Dec2024	9.01 m
SUMBAR PADANG-PARIAMAN U	06:38Z	11Dec2024	8.48 m
BENGKULU BENGKULU-UTARA S	06:38Z	11Dec2024	6.49 m
BENGKULU SELUMA	06:40Z	11Dec2024	5.33 m
SUMUT TAPANULI-TENGAH U	06:40Z	11Dec2024	12.35m
SUMBAR AGAM	06:40Z	11Dec2024	8.91 m
BENGKULU KAUR	06:40Z	11Dec2024	2.78 m
BENGKULU BENGKULU-SELATAN	06:40Z	11Dec2024	3.10 m
SUMBAR KOTA-PADANG U	06:40Z	11Dec2024	12.07m

NAD ACEH-BESAR U	06:42Z	11Dec2024	14.67m
SUMBAR KOTA-PADANG U	06:42Z	11Dec2024	11.12m
NAD PIDIE	06:44Z	11Dec2024	7.87 m
SUMUT TAPANULI-TENGAH KEP.MURSALA	06:44Z	11Dec2024	9.56 m
SUMUT TAPANULI-SELATAN	06:52Z	11Dec2024	11.49m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	06:52Z	11Dec2024	3.47 m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	06:52Z	11Dec2024	3.55 m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	06:52Z	11Dec2024	3.52 m
SUMUT MANDAILING-NATAL S	06:52Z	11Dec2024	9.84 m
SUMUT TAPANULI-TENGAH S	06:54Z	11Dec2024	8.72 m
NAD BIREUEN	06:58Z	11Dec2024	8.21 m
LAMPUNG TANGGAMUS B	06:58Z	11Dec2024	2.34 m
BANTEN PANDEGLANG P.PANAITAN	07:00Z	11Dec2024	1.99 m
BANTEN PANDEGLANG S	07:02Z	11Dec2024	2.14 m
NAD ACEH-UTARA B	07:06Z	11Dec2024	8.21 m
NAD KOTA-LHOKSEUMAWA	07:08Z	11Dec2024	6.05 m
BANTEN LEBAK	07:10Z	11Dec2024	2.05 m
JABAR SUKABUMI UJUNG-GENTENG	07:12Z	11Dec2024	1.45 m
JABAR SUKABUMI PELABUHAN-RATU	07:12Z	11Dec2024	11.49m
LAMPUNG TANGGAMUS T	07:14Z	11Dec2024	3.18 m
LAMPUNG TANGGAMUS P.TABUAN	07:14Z	11Dec2024	1.40 m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	07:14Z	11Dec2024	2.64 m
BANTEN SERANG B	07:14Z	11Dec2024	2.64 m
BANTEN KOTA-CILEGON P.SANGIANG	07:14Z	11Dec2024	2.64 m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	07:14Z	11Dec2024	2.61 m
NAD ACEH-UTARA T	07:16Z	11Dec2024	6.73 m
JABAR CIANJUR SINDANGBARANG	07:18Z	11Dec2024	1.69 m
LAMPUNG LAMPUNG-SELATAN KALIANDA	07:20Z	11Dec2024	3.90 m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	07:24Z	11Dec2024	2.21 m
LAMPUNG LAMPUNG-SELATAN B	07:24Z	11Dec2024	2.21 m
JABAR GARUT	07:26Z	11Dec2024	1.33 m
JABAR TASIKMALAYA	07:30Z	11Dec2024	1.55 m
BANTEN PANDEGLANG U	07:30Z	11Dec2024	2.23 m
NAD ACEH-TIMUR	07:40Z	11Dec2024	3.99 m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	07:42Z	11Dec2024	3.02 m
JABAR CIAMIS	07:46Z	11Dec2024	1.87 m
JATENG PURWOREJO	07:54Z	11Dec2024	1.73 m
JATENG KEBUMEN	07:56Z	11Dec2024	1.58 m
JATENG CILACAP	07:58Z	11Dec2024	2.80 m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	07:58Z	11Dec2024	3.34 m
DIY BANTUL	08:02Z	11Dec2024	1.69 m
DIY KULON-PROGO	08:02Z	11Dec2024	1.33 m
DIY GUNUNG-KIDUL	08:04Z	11Dec2024	1.58 m
JATENG WONOGIRI	08:10Z	11Dec2024	1.19 m
JATIM PACITAN	08:12Z	11Dec2024	1.58 m
JATIM TRENGGALEK	08:14Z	11Dec2024	1.41 m
JATIM MALANG	08:22Z	11Dec2024	0.84 m
JATIM BLITAR	08:24Z	11Dec2024	1.03 m
JATIM TULUNGAGUNG	08:30Z	11Dec2024	1.08 m
JATIM JEMBER P.NUSABARUNG	08:32Z	11Dec2024	0.88 m
NAD KOTA-LANGSA	08:36Z	11Dec2024	2.13 m
JATIM JEMBER	08:38Z	11Dec2024	0.92 m
JATIM BANYUWANGI S	08:38Z	11Dec2024	0.99 m
JATIM LUMAJANG	08:44Z	11Dec2024	1.60 m
BALI DENPASAR PANTAI-SANUR	08:50Z	11Dec2024	0.73 m
BALI TABANAN	08:54Z	11Dec2024	1.09 m
NAD ACEH-TAMIANG	09:00Z	11Dec2024	1.89 m
NTB LOMBOK-TIMUR S	09:04Z	11Dec2024	0.85 m
BALI BADUNG PANTAI-KUTA	09:04Z	11Dec2024	0.73 m
BALI KLUNGKUNG P.NUSAPENIDA	09:06Z	11Dec2024	0.72 m
NTB LOMBOK-TENGAH	09:06Z	11Dec2024	0.76 m
NTT SUMBA B	09:28Z	11Dec2024	1.13 m
NTB DOMPU S	09:36Z	11Dec2024	0.73 m
NTB KOTA-BIMA S	09:38Z	11Dec2024	0.90 m
SUMUT LANGKAT	09:40Z	11Dec2024	2.31 m
NTB SUMBAWA S	09:42Z	11Dec2024	1.45 m

BELAWAN	10:08Z	11Dec2024	2.23 m
SUMUT DELISERDANG	10:10Z	11Dec2024	1.49 m
SUMUT SERDANG-BEDAGAI	10:20Z	11Dec2024	1.53 m
SUMUT ASAHAN	10:40Z	11Dec2024	1.63 m
NTT LEMBATA S	10:40Z	11Dec2024	0.77 m
NTT ALOR S	10:42Z	11Dec2024	0.78 m
PANTE MACASSAR	10:46Z	11Dec2024	0.76 m
NTT BELU U	10:46Z	11Dec2024	0.76 m
NTT FLORES-TIMUR P.SOLOR	10:46Z	11Dec2024	0.67 m
NTT FLORES-TIMUR S	10:48Z	11Dec2024	0.66 m
NTT KUPANG	10:48Z	11Dec2024	0.64 m
NTB LOMBOK-BARAT S	11:20Z	11Dec2024	0.60 m
NTT SIKKA S	11:22Z	11Dec2024	0.67 m
NTB SUMBAWA B	11:42Z	11Dec2024	0.60 m
NTT MANGGARAI-BARAT P.	11:58Z	11Dec2024	0.85 m
NTT MANGGARAI-BARAT S	12:08Z	11Dec2024	1.08 m
LABUHAN BATU	12:56Z	11Dec2024	1.07 m
NTT NGADA S	13:42Z	11Dec2024	0.81 m
NTT ENDE S	13:48Z	11Dec2024	0.65 m
NTT MANGGARAI S	13:48Z	11Dec2024	0.81 m
ROKAN HILIR	13:50Z	11Dec2024	0.70 m
NTT SUMBA T	13:52Z	11Dec2024	0.75 m
NTT ROTENDAO	14:10Z	11Dec2024	0.60 m
DUMAI	17:58Z	11Dec2024	0.89 m
BENGKALIS	19:48Z	11Dec2024	0.55 m
SIAK	19:56Z	11Dec2024	0.60 m
PELALAWAN	19:56Z	11Dec2024	0.60 m

IRAN

CHAHBAHAR	13:42Z	11Dec2024	1.74 m
BANDAR-E-JASK	14:00Z	11Dec2024	1.36 m
MINAB	15:32Z	11Dec2024	1.95 m

KENYA

LAMU	14:08Z	11Dec2024	4.14 m
GARSEN	14:32Z	11Dec2024	3.09 m
MICHEWENI	14:32Z	11Dec2024	2.94 m
KILIFI	14:34Z	11Dec2024	4.27 m
KISAUNI	14:36Z	11Dec2024	4.55 m
MSAMBWENI	14:40Z	11Dec2024	3.47 m

MADAGASCAR

SAVA	13:24Z	11Dec2024	3.10 m
DIANA	13:26Z	11Dec2024	2.67 m
ATSINANANA	13:40Z	11Dec2024	4.41 m
ANALANJIROFO	13:44Z	11Dec2024	5.15 m
GLORIOSO ISLANDS	13:48Z	11Dec2024	1.01 m
VATOVAVY FITOVINANY	13:52Z	11Dec2024	8.75 m
ATSIMO-ATSINANA	14:02Z	11Dec2024	7.29 m
ANOSY	14:06Z	11Dec2024	6.50 m
SOFIA	14:22Z	11Dec2024	1.08 m
BOENY	14:40Z	11Dec2024	2.33 m
ANDROY	14:44Z	11Dec2024	4.27 m
MELAKY	14:46Z	11Dec2024	1.22 m
ATSIMO-ANDREFANA	15:00Z	11Dec2024	2.28 m
JUAN DE NOVA ISLAND	15:38Z	11Dec2024	0.59 m
EUROPA ISLAND	15:42Z	11Dec2024	0.98 m
MENABE	16:20Z	11Dec2024	0.99 m

MALAYSIA

LANGKAWI	09:36Z	11Dec2024	3.02 m
KOTA SETAR	09:42Z	11Dec2024	1.63 m
KUALA MUDA	09:58Z	11Dec2024	2.80 m
YAN	09:58Z	11Dec2024	2.80 m
SEBERANG PERAI SELATAN	10:08Z	11Dec2024	1.67 m
TIMUR LAUT	10:18Z	11Dec2024	2.40 m

KERIAN	10:34Z	11Dec2024	2.17 m
LARUT AND MATANG	10:40Z	11Dec2024	2.17 m
MANJUNG	10:46Z	11Dec2024	1.75 m
HILIR PERAK	11:16Z	11Dec2024	1.59 m
SABAK BERNAM	11:58Z	11Dec2024	1.35 m
KUALA SELANGOR	12:22Z	11Dec2024	1.38 m
KUALA LANGAT	13:54Z	11Dec2024	0.79 m
SEPANG	17:36Z	11Dec2024	0.76 m
PORT DICKSON	17:58Z	11Dec2024	0.74 m
MUAR	19:48Z	11Dec2024	0.55 m

MALDIVES

MEEMU ATOLL	09:02Z	11Dec2024	11.00m
KAAFU ATOLL	09:02Z	11Dec2024	11.40m
THAA ATOLL	09:04Z	11Dec2024	12.55m
HAA-DHAALU ATOLL	09:06Z	11Dec2024	6.81 m
GAAFU-DHAALU ATOLL	09:06Z	11Dec2024	12.22m
SEENU ATOLL	09:10Z	11Dec2024	9.83 m
BAA ATOLL	09:18Z	11Dec2024	5.63 m
FAAFU ATOLL	09:24Z	11Dec2024	17.07m
ALIF-ALIF ATOLL	09:32Z	11Dec2024	6.54 m

MAURITIUS

LA FERME	11:40Z	11Dec2024	9.49 m
CARGADOS CARAJOS	12:10Z	11Dec2024	10.72m
AGALEGA ISLAND	12:20Z	11Dec2024	2.39 m
GRANDE REVIERE SUD EST-EAST	12:26Z	11Dec2024	5.25 m
GRANDE REVIERE SUD EST-WEST	12:42Z	11Dec2024	3.70 m

MOZAMBIQUE

PALMA	14:42Z	11Dec2024	3.15 m
MOCIMBOA DA PRAIA	14:52Z	11Dec2024	2.71 m
MACOMIA	14:54Z	11Dec2024	1.58 m
QUISSANGA	14:58Z	11Dec2024	1.64 m
PEMBA	14:58Z	11Dec2024	2.13 m
MECUFI	15:02Z	11Dec2024	1.99 m
ANCUABE	15:02Z	11Dec2024	2.02 m
NAMAPA	15:04Z	11Dec2024	2.10 m
MEMBA	15:06Z	11Dec2024	1.69 m
MOSSURIL	15:08Z	11Dec2024	1.22 m
NECALA VELHA	15:10Z	11Dec2024	1.87 m
MONGINCUAL	15:18Z	11Dec2024	1.26 m
MOMA	15:42Z	11Dec2024	0.99 m
INHARRIME	16:14Z	11Dec2024	1.94 m
MASSINGA	16:26Z	11Dec2024	1.47 m
VILANCULOS	16:28Z	11Dec2024	1.42 m
MORRUMBENE	16:30Z	11Dec2024	1.71 m
PEBANE	16:40Z	11Dec2024	0.90 m
INHANSSORO	16:40Z	11Dec2024	1.08 m
ZAVALA	16:42Z	11Dec2024	1.47 m
CHINDE	16:44Z	11Dec2024	1.39 m
NICOADALA	16:44Z	11Dec2024	1.39 m
MAPUTO	16:46Z	11Dec2024	2.34 m
MAGANJA DA COSTA	16:48Z	11Dec2024	1.05 m
XAI-XAI	16:50Z	11Dec2024	3.06 m
MARRACUENE	16:54Z	11Dec2024	2.19 m
MACHANGA	17:04Z	11Dec2024	1.07 m
CHERINGOMA	17:22Z	11Dec2024	1.99 m
DONDO	17:24Z	11Dec2024	1.79 m

MYANMAR

LITTLE COCO ISLAND	07:14Z	11Dec2024	3.25 m
PREPARIS ISLAND	07:26Z	11Dec2024	2.34 m
MERGUI	07:36Z	11Dec2024	3.84 m
KAPOE	07:44Z	11Dec2024	6.06 m
KAWTHOUNG	07:48Z	11Dec2024	6.04 m

BASSEIN	07:50Z	11Dec2024	1.82 m
KYAUNKPYU	08:00Z	11Dec2024	3.16 m
THANDWE	08:02Z	11Dec2024	3.20 m
MYOUNGMYA	08:08Z	11Dec2024	3.05 m
MAUNGTAW	08:30Z	11Dec2024	2.04 m
BUTHIDAUNG	08:30Z	11Dec2024	2.74 m
SITTWE	08:32Z	11Dec2024	2.69 m
DAWEI	08:50Z	11Dec2024	2.64 m
PHARPON	09:08Z	11Dec2024	2.47 m
MAWLAMYINE	09:20Z	11Dec2024	2.11 m
YANGON-S	09:28Z	11Dec2024	1.47 m

OMAN

AL WUSTA	12:32Z	11Dec2024	1.84 m
AL WUSTA	12:32Z	11Dec2024	1.17 m
MARBAT	12:34Z	11Dec2024	2.89 m
JALAN BANI	12:38Z	11Dec2024	1.04 m
BIDDIYA	12:38Z	11Dec2024	2.27 m
MARBAT	12:42Z	11Dec2024	2.96 m
TAQAH	12:48Z	11Dec2024	3.87 m
SALALAH	12:52Z	11Dec2024	2.81 m
MUQSHIN	12:58Z	11Dec2024	1.28 m
SUR	13:18Z	11Dec2024	0.79 m
QURIYAT	13:28Z	11Dec2024	0.93 m
MUSCAT	13:38Z	11Dec2024	1.34 m
BARKA	13:56Z	11Dec2024	0.63 m
AL KHABOURAH	14:02Z	11Dec2024	0.64 m
SAHAM	14:54Z	11Dec2024	0.86 m
MADHA	14:58Z	11Dec2024	1.27 m

PAKISTAN

MAKRAN	13:06Z	11Dec2024	1.26 m
KALAT	14:16Z	11Dec2024	1.88 m
KARACHI	14:18Z	11Dec2024	2.50 m
HYDERABAD	14:42Z	11Dec2024	1.75 m

SEYCHELLES

FREGATE ISLAND	12:06Z	11Dec2024	4.49 m
COETIVY ISLAND	12:12Z	11Dec2024	2.42 m
TAKAMAKA	12:24Z	11Dec2024	5.37 m
ILE DESROCHES	12:36Z	11Dec2024	2.91 m
ALPHONSE ISLAND	12:48Z	11Dec2024	1.36 m
FARQUHAR GROUP	13:08Z	11Dec2024	2.00 m
ASTOVE ISLAND	13:36Z	11Dec2024	1.56 m
ALDABRA	13:48Z	11Dec2024	1.80 m

SOMALIA

BANDER-BEYLA	13:00Z	11Dec2024	6.36 m
IS KUSHUBAN	13:02Z	11Dec2024	5.01 m
EYL	13:06Z	11Dec2024	6.13 m
JARIIBAN	13:12Z	11Dec2024	5.77 m
HOBYO	13:12Z	11Dec2024	6.84 m
XARARDHEERE	13:16Z	11Dec2024	6.22 m
CALAWLA	13:18Z	11Dec2024	3.55 m
AADAN	13:20Z	11Dec2024	4.71 m
CADALE	13:20Z	11Dec2024	5.06 m
CEEL DHEER	13:20Z	11Dec2024	5.18 m
BALCAD	13:28Z	11Dec2024	5.04 m
MOGADISHO	13:32Z	11Dec2024	5.18 m
MARKA	13:42Z	11Dec2024	4.71 m
BARAAWE	13:46Z	11Dec2024	4.40 m
JILIB	13:52Z	11Dec2024	3.30 m
JAMAAME	13:52Z	11Dec2024	4.57 m
KISMAAYO	13:58Z	11Dec2024	4.27 m
BADHAADHE	14:06Z	11Dec2024	5.28 m
QANDALA	14:28Z	11Dec2024	0.83 m

CEERIGAABO	14:40Z	11Dec2024	0.62 m
BADHAN	14:44Z	11Dec2024	0.63 m
CEEL-AFWEIN	14:48Z	11Dec2024	0.82 m
BERBERA	15:24Z	11Dec2024	0.78 m
LUGHAYA	15:34Z	11Dec2024	0.80 m
ZEYLAC	15:42Z	11Dec2024	1.03 m
BOSAASO	16:02Z	11Dec2024	0.70 m

SOUTH AFRICA

UMKHANYAKUDE	16:32Z	11Dec2024	2.61 m
FUNK SEAMOUNT	16:32Z	11Dec2024	6.75 m
UMKHANYAKUDE	16:34Z	11Dec2024	2.31 m
UTHUNGULU	16:34Z	11Dec2024	2.91 m
UMKHANYAKUDE	16:36Z	11Dec2024	2.37 m
UGU	16:44Z	11Dec2024	4.58 m
eThkewini	16:46Z	11Dec2024	3.30 m
ALFRED NZO	16:46Z	11Dec2024	2.99 m
BUFFALO CITY	16:48Z	11Dec2024	2.97 m
O.R. TAMBO	16:48Z	11Dec2024	2.97 m
EDEN	16:48Z	11Dec2024	2.97 m
EDEN	16:48Z	11Dec2024	2.97 m
EDEN	16:48Z	11Dec2024	2.97 m
CACADU	16:48Z	11Dec2024	2.97 m
AMATHOLE	16:48Z	11Dec2024	2.97 m
O.R. TAMBO	16:48Z	11Dec2024	2.97 m
AMATHOLE	16:48Z	11Dec2024	2.97 m
AMATHOLE	16:48Z	11Dec2024	2.97 m
AMATHOLE	16:48Z	11Dec2024	2.97 m
OVERBERG	16:48Z	11Dec2024	2.97 m
CACADU	16:48Z	11Dec2024	2.97 m
O.R. TAMBO	16:48Z	11Dec2024	2.97 m
BUFFALO CITY	16:48Z	11Dec2024	2.97 m
AMATHOLE	16:48Z	11Dec2024	2.97 m
CACADU	16:48Z	11Dec2024	2.97 m
CACADU	16:48Z	11Dec2024	2.97 m
EDEN	16:48Z	11Dec2024	2.97 m
OVERBERG	16:48Z	11Dec2024	2.97 m
UGU	16:48Z	11Dec2024	3.43 m
NELSON MANDELA BAY	16:48Z	11Dec2024	2.97 m
iLembe	16:50Z	11Dec2024	2.99 m

SRI LANKA

POTHUVIL	07:36Z	11Dec2024	14.05m
AKKARAIPATTU	07:36Z	11Dec2024	12.34m
MANMUNAI	07:36Z	11Dec2024	13.26m
LAHUGALA	07:38Z	11Dec2024	13.75m
THISSAMAHARAMA	07:38Z	11Dec2024	13.39m
KORALAI PATTU	07:40Z	11Dec2024	11.55m
MUTTUR	07:40Z	11Dec2024	11.94m
KUCHCHAVELI	07:42Z	11Dec2024	8.85 m
MARITIMEPATTU	07:46Z	11Dec2024	7.24 m
HAMBANTOTA	07:46Z	11Dec2024	15.60m
TANGALLE	07:50Z	11Dec2024	11.72m
MATARA FOUR GRAVETS	07:52Z	11Dec2024	11.30m
PUTHUKUDIYIRUPPU	07:52Z	11Dec2024	7.10 m
HABARADUWA	07:58Z	11Dec2024	11.30m
VADAMARDCHY EAST	08:00Z	11Dec2024	3.82 m
AMBALANGODA	08:02Z	11Dec2024	7.22 m
VADAMARADCHY	08:06Z	11Dec2024	3.55 m
BERUWALA	08:10Z	11Dec2024	5.58 m
COLOMBO	08:16Z	11Dec2024	3.79 m
PANADURA	08:18Z	11Dec2024	5.95 m
NEGOMBO	08:26Z	11Dec2024	4.08 m
ARACHCHIKATTUWA PS	08:30Z	11Dec2024	3.10 m
KALPITIYA	08:40Z	11Dec2024	2.78 m
MUSALI	08:52Z	11Dec2024	2.28 m

TANZANIA

WETE	14:28Z	11Dec2024	1.96 m
MKOANI	14:34Z	11Dec2024	2.01 m
KUSINI	14:36Z	11Dec2024	2.12 m
KASKAZINI 'A'	14:38Z	11Dec2024	1.72 m
MAFIA	14:38Z	11Dec2024	2.10 m
MTWARA	14:40Z	11Dec2024	1.94 m
TEMEKE	14:42Z	11Dec2024	2.82 m
KILWA	14:44Z	11Dec2024	1.78 m
LINDI	14:44Z	11Dec2024	1.99 m
CHAKECHAKE	14:46Z	11Dec2024	1.70 m
KINONDONI	14:50Z	11Dec2024	1.94 m
TANGA	14:50Z	11Dec2024	2.16 m
PANGANI	14:52Z	11Dec2024	2.39 m

THAILAND

THAI MUEANG	07:32Z	11Dec2024	11.91m
MUEANG PHUKET	07:42Z	11Dec2024	7.60 m
KHURA BURI	07:52Z	11Dec2024	7.18 m
KOH LANTA	08:16Z	11Dec2024	3.83 m
THAI MUEANG TAKUA PA	08:26Z	11Dec2024	11.17m
KANTANG SIKAO	08:26Z	11Dec2024	2.72 m
MUEANG SATUN	08:36Z	11Dec2024	2.70 m
LA-NGU	08:36Z	11Dec2024	2.70 m

TIMOR-LESTE

AMBENO	10:50Z	11Dec2024	0.71 m
BOBONARO	11:04Z	11Dec2024	0.74 m
LIQUICA	13:34Z	11Dec2024	0.61 m

UNITED ARAB EMIRATES

SHINAS	14:36Z	11Dec2024	1.19 m
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UNITED KINGDOM

MORESBY ISLAND	09:28Z	11Dec2024	14.09m
DIEGO GARCIA	09:30Z	11Dec2024	9.25 m
EGMONT ISLAND	09:52Z	11Dec2024	5.85 m

YEMEN

HIDAYBU	12:40Z	11Dec2024	6.09 m
QULENSYA WA ABD ALKURI	12:58Z	11Dec2024	2.72 m
HAWF	13:06Z	11Dec2024	2.98 m
AL GHAYDAH	13:10Z	11Dec2024	2.81 m
QULENSYA WA ABD ALKURI-WEST	13:12Z	11Dec2024	1.67 m
HUSWAIN	13:32Z	11Dec2024	1.69 m
SAYHUT	13:38Z	11Dec2024	1.53 m
AL MASILAH	13:44Z	11Dec2024	1.77 m
AL MUKALLA CITY	13:52Z	11Dec2024	1.28 m
ASH SHIHR	13:54Z	11Dec2024	1.21 m
AR RAYADAH WA QUSAYAR	14:12Z	11Dec2024	1.67 m
BROM MAYFA	14:16Z	11Dec2024	1.19 m
AD DIS	14:16Z	11Dec2024	1.18 m
RUDUM	14:28Z	11Dec2024	1.38 m
AHWAR	14:56Z	11Dec2024	1.13 m
KHANFIR	14:58Z	11Dec2024	2.95 m
KHUR MAKSAR	15:42Z	11Dec2024	2.74 m
AL BURAIQEH	15:46Z	11Dec2024	1.67 m
AL MADARIBAH WA AL ARAH	16:00Z	11Dec2024	1.25 m
DHUBABA	16:26Z	11Dec2024	0.81 m

4. ADVICE

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

5. UPDATES

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

Other IOTWMS-TSPs may issue additional information at:

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

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

6. CONTACT INFORMATION

IOTWMS-TSP AUSTRALIA

Joint Australian Tsunami Warning Centre (JATWC)

Bureau of Meteorology

GPO BOX 1289 Melbourne, Victoria, Australia, 3001

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

END OF BULLETIN

IOTWMS COMMS TEST 11 DECEMBER 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 11 DECEMBER 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 0630 UTC WEDNESDAY 11 DECEMBER 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. TSUNAMI SOURCE INFORMATION
IOTWMS-TSP AUSTRALIA has detected an earthquake with the following details:

Magnitude: 9.2 Mwp
Depth: 10 km
Date: 11 Dec 2024
Origin Time: 0600 UTC
Latitude: 3.30N
Longitude: 95.96E
Location: Off West Coast of Northern Sumatra

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

DART 23217	India	3.80N	91.70E	1.00m	11 Dec 05:55 UTC
Meulaboh	Indonesia	4.30N	96.22E	2.00m	11 Dec 06:00 UTC

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

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

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

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

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

AUSTRALIA			
CHRISTMAS ISLAND	07:06Z	11Dec2024	1.21m
COCOS ISLAND	07:12Z	11Dec2024	3.84m
NINGALOO COAST	09:20Z	11Dec2024	2.07m
PILBARA COAST WEST	09:54Z	11Dec2024	3.75m
GASCOYNE COAST	10:06Z	11Dec2024	2.81m
GERALDTON COAST	10:14Z	11Dec2024	3.12m
PILBARA COAST EAST	10:34Z	11Dec2024	1.75m
LANCELIN COAST	10:42Z	11Dec2024	2.25m
PERTH COAST	10:46Z	11Dec2024	2.71m
BUNBURY GEOGRAPHE COAST	11:06Z	11Dec2024	3.12m
LEEUEWIN COAST	11:18Z	11Dec2024	1.96m
WEST KIMBERLY COAST	12:04Z	11Dec2024	1.88m
NORTH KIMBERLY COAST	12:36Z	11Dec2024	1.42m
ALBANY COAST	12:36Z	11Dec2024	1.89m
ESPERANCE COAST	15:04Z	11Dec2024	1.01m
HEARD ISLAND AND MCDONALD ISLANDS	15:04Z	11Dec2024	7.68m
AURORA BANK	15:16Z	11Dec2024	3.93m
NORTH TIWI COAST	22:22Z	11Dec2024	0.64m
SOUTH WEST COAST TAS	23:02Z	11Dec2024	1.38m
CENTRAL WEST COAST TAS	23:08Z	11Dec2024	1.21m
FAR NORTH WEST COAST TAS	23:36Z	11Dec2024	0.74m
LOWER SOUTH EAST COAST SA	23:58Z	11Dec2024	0.94m
WEST COAST VIC	00:00Z	12Dec2024	1.16m
BEAGLE BONAPARTE COAST	00:18Z	12Dec2024	0.66m
CENTRAL COAST SA	00:42Z	12Dec2024	0.76m
LOWER WEST COAST SA	00:54Z	12Dec2024	0.81m
UPPER WEST COAST SA	01:26Z	12Dec2024	1.28m
SOUTH CENTRAL COAST SA	01:26Z	12Dec2024	0.77m
UPPER SOUTH EAST COAST SA	01:36Z	12Dec2024	0.91m
FAR WEST COAST SA	01:36Z	12Dec2024	0.78m
EUCLA COAST	01:46Z	12Dec2024	0.81m
CENTRAL COAST VIC	02:08Z	12Dec2024	0.58m

BANGLADESH			
CHITTAGONG	08:56Z	11Dec2024	3.14m
KHULNA	08:58Z	11Dec2024	1.69m
NOAKHALI	09:08Z	11Dec2024	3.72m
BARISAL	09:08Z	11Dec2024	3.72m

COMOROS			
BAMBAO	14:16Z	11Dec2024	1.38m
CHEZANI	14:22Z	11Dec2024	2.61m
FOMBONI	14:22Z	11Dec2024	1.65m

DJIBOUTI			
DJIBOUTI	15:34Z	11Dec2024	2.65m
OBOCK	15:38Z	11Dec2024	1.58m

FRANCE			
ILE SAINT-PAUL-NORTH	12:00Z	11Dec2024	2.93m
ILE SAINT-PAUL-SOUTH	12:12Z	11Dec2024	3.75m
SAINT-PIERRE	12:52Z	11Dec2024	4.83m
SAINT-DENIS	12:54Z	11Dec2024	3.51m
DZAOUDZI	14:16Z	11Dec2024	1.07m
ILE KERGUELEN	14:26Z	11Dec2024	7.23m
ILE DE LA POSSESSION	14:52Z	11Dec2024	3.43m
NES CROZET	14:54Z	11Dec2024	3.03m
CROZET PLATEAU	15:04Z	11Dec2024	4.47m

INDIA			
NICOBAR ISLANDS	06:06Z	11Dec2024	19.81m
NICOBAR ISLANDS	06:08Z	11Dec2024	29.85m
NICOBAR ISLANDS	06:10Z	11Dec2024	24.97m
ANDAMAN ISLANDS	06:20Z	11Dec2024	8.33m

ANDAMAN ISLANDS	06:28Z	11Dec2024	5.71m
ANDAMAN ISLANDS	06:40Z	11Dec2024	5.37m
ANDAMAN ISLANDS	06:52Z	11Dec2024	3.18m
ANDAMAN ISLANDS	06:52Z	11Dec2024	3.50m
ANDAMAN ISLANDS	06:52Z	11Dec2024	6.61m
ANDAMAN ISLANDS	06:58Z	11Dec2024	2.06m
ANDAMAN ISLANDS	07:00Z	11Dec2024	3.10m
ANDAMAN ISLANDS	07:14Z	11Dec2024	5.15m
NARCONDAM ISLAND	07:16Z	11Dec2024	3.21m
VILLUPURAM	08:02Z	11Dec2024	8.36m
KANCHEEPURAM	08:02Z	11Dec2024	5.79m
CHENNAI	08:02Z	11Dec2024	5.79m
PUDUCHERRY	08:04Z	11Dec2024	5.24m
CUDDALORE	08:04Z	11Dec2024	5.90m
NELLORE	08:06Z	11Dec2024	14.02m
THIRUVALLUR	08:08Z	11Dec2024	7.38m
NAGAPATTINAM - NORTH	08:08Z	11Dec2024	4.86m
EAST GODAVARI	08:08Z	11Dec2024	3.41m
THANJAVUR	08:10Z	11Dec2024	2.85m
KARAIKAL	08:10Z	11Dec2024	4.07m
KRISHNA	08:10Z	11Dec2024	4.84m
NAGAPATTINAM - SOUTH	08:10Z	11Dec2024	5.37m
WEST GODAVARI	08:14Z	11Dec2024	3.76m
VISHAKHAPATNAM	08:14Z	11Dec2024	2.71m
THIRUVARUR	08:14Z	11Dec2024	2.86m
GUNTUR	08:16Z	11Dec2024	3.93m
SRIKAKULAM	08:18Z	11Dec2024	4.65m
PRAKASAM	08:20Z	11Dec2024	4.74m
JAGATSINGHPUR	08:20Z	11Dec2024	4.25m
VIZIANAGARAM	08:20Z	11Dec2024	2.44m
PURI	08:22Z	11Dec2024	3.42m
GANJAM	08:28Z	11Dec2024	6.21m
KENDRAPARA	08:36Z	11Dec2024	4.34m
THOOTHUKUDI	08:40Z	11Dec2024	3.02m
TIRUNELVELI	08:48Z	11Dec2024	3.85m
RAMANANTHAPURAM	08:50Z	11Dec2024	2.58m
PUDUKKOTTAI	08:54Z	11Dec2024	2.37m
KANNIYAKUMARI	09:00Z	11Dec2024	4.12m
NORTH 24 PARAGANAS	09:04Z	11Dec2024	1.37m
SOUTH 24 PARAGANAS	09:08Z	11Dec2024	2.61m
BHADRAK	09:08Z	11Dec2024	6.17m
THIRUVANANTHAPURAM	09:14Z	11Dec2024	2.86m
PURBA MEDINAPUR	09:16Z	11Dec2024	4.42m
KOLLAM	09:16Z	11Dec2024	2.96m
BALASORE	09:24Z	11Dec2024	5.59m
KAVARATTI	09:26Z	11Dec2024	2.62m
ALAPPUZHA	09:30Z	11Dec2024	3.05m
KAVARATTI	09:36Z	11Dec2024	1.71m
KAVARATTI	09:48Z	11Dec2024	1.68m
THRISSUR	09:54Z	11Dec2024	2.08m
KAVARATTI	09:56Z	11Dec2024	1.60m
ERNAKULAM	09:56Z	11Dec2024	2.06m
KAVARATTI	09:58Z	11Dec2024	1.86m
MALAPPURAM	10:06Z	11Dec2024	2.08m
KOZHIKODE	10:18Z	11Dec2024	2.35m
KANNUR	10:26Z	11Dec2024	2.89m
MAHE	10:28Z	11Dec2024	2.88m
KASARAGOD	10:32Z	11Dec2024	2.95m
DAKSHIN KANNAD	10:52Z	11Dec2024	2.06m
UDUPI	11:00Z	11Dec2024	2.26m
UTTAR KANNAND	11:22Z	11Dec2024	2.46m
SINDHUDURG	11:46Z	11Dec2024	2.09m
SOUTH GOA	11:50Z	11Dec2024	2.06m
NORTH GOA	11:52Z	11Dec2024	2.04m
RATNAGIRI	12:12Z	11Dec2024	1.45m
DEVBHUMI DWARAKA	14:06Z	11Dec2024	1.60m

JAMNAGAR	14:14Z	11Dec2024	1.28m
GIR SOMNATH	14:24Z	11Dec2024	2.25m
KACHCHH	15:04Z	11Dec2024	1.78m
PORBANDAR	15:26Z	11Dec2024	1.31m
RAIGARH	15:42Z	11Dec2024	1.48m
GREATER BOMBAY	15:42Z	11Dec2024	1.48m
JUNAGADH	15:46Z	11Dec2024	1.99m
PALGHAR	16:14Z	11Dec2024	1.72m
ANAND	17:54Z	11Dec2024	1.21m
BHARUCH	18:00Z	11Dec2024	1.02m
BHAVNAGAR	18:00Z	11Dec2024	1.52m
AMRELI	18:30Z	11Dec2024	1.17m
SURAT	18:54Z	11Dec2024	1.08m
NAVSARI	19:50Z	11Dec2024	0.94m
VALSAD	19:50Z	11Dec2024	0.94m

INDONESIA

NIAS-NORTH EAST	06:00Z	11Dec2024	9.44m
KEPULAUAN MENTAWAI-EAST	06:00Z	11Dec2024	7.31m
KEPULAUAN MENTAWAI-NORTH	06:00Z	11Dec2024	6.68m
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	06:00Z	11Dec2024	26.53m
SUMUT NIAS B	06:00Z	11Dec2024	19.86m
NAD SIMEULUE P.SIMEULUE	06:00Z	11Dec2024	22.15m
SUMUT NIAS-SELATAN P.TANABALA	06:00Z	11Dec2024	16.68m
SUMUT NIAS-SELATAN P.TANAHMASA	06:00Z	11Dec2024	15.53m
KEPULAUAN MENTAWAI-SOUTH	06:00Z	11Dec2024	15.01m
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	06:00Z	11Dec2024	27.62m
SUMUT NIAS-SELATAN P.NIAS	06:00Z	11Dec2024	19.78m
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	06:00Z	11Dec2024	26.40m
NAD ACEH-SINGKIL KEP.BANYAK	06:06Z	11Dec2024	14.18m
KEPULAUAN MENTAWAI-NORTH EAST	06:14Z	11Dec2024	6.86m
NIAS	06:14Z	11Dec2024	8.48m
NIAS SOUTH EAST	06:16Z	11Dec2024	8.08m
NIAS-NORTH	06:16Z	11Dec2024	7.78m
NAD ACEH-JAYA	06:20Z	11Dec2024	35.47m
NIAS-EAST	06:22Z	11Dec2024	19.08m
NAD ACEH-BESAR B	06:22Z	11Dec2024	32.03m
BENGKULU BENGKULU-UTARA P.ENGGANO	06:22Z	11Dec2024	5.64m
SUMBAR PESISIR-SELATAN S	06:24Z	11Dec2024	8.39m
BENGKULU BENGKULU-UTARA U	06:24Z	11Dec2024	6.62m
NAD ACEH-BESAR P.BREUEH	06:24Z	11Dec2024	36.97m
NAD ACEH-SINGKIL	06:24Z	11Dec2024	6.19m
NAD ACEH-BESAR P.PENASI	06:24Z	11Dec2024	34.49m
SUMBAR PESISIR-SELATAN U	06:24Z	11Dec2024	9.00m
NAD KOTA-SABANG P.WEH	06:26Z	11Dec2024	22.79m
SUMUT MANDAILING-NATAL U	06:26Z	11Dec2024	8.98m
NAD KOTA-BANDA-ACEH	06:26Z	11Dec2024	21.35m
NAD ACEH-SELATAN S	06:28Z	11Dec2024	12.13m
BENGKULU MUKOMUKO	06:28Z	11Dec2024	10.69m
SUMBAR KOTA-PADANG S	06:28Z	11Dec2024	11.41m
NAD NAGAN-RAYA	06:30Z	11Dec2024	16.99m
NAD ACEH-SELATAN U	06:32Z	11Dec2024	10.85m
SUMBAR KOTA-PARIAMAN	06:32Z	11Dec2024	9.01m
NAD ACEH-BARAT	06:32Z	11Dec2024	37.34m
NAD ACEH-BARAT-DAYA	06:36Z	11Dec2024	18.55m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	06:38Z	11Dec2024	6.96m
SUMBAR PADANG-PARIAMAN S	06:38Z	11Dec2024	9.01m
SUMBAR PADANG-PARIAMAN U	06:38Z	11Dec2024	8.48m
BENGKULU BENGKULU-UTARA S	06:38Z	11Dec2024	6.49m
BENGKULU SELUMA	06:40Z	11Dec2024	5.33m
SUMUT TAPANULI-TENGAH U	06:40Z	11Dec2024	12.35m
SUMBAR AGAM	06:40Z	11Dec2024	8.91m
BENGKULU KAUR	06:40Z	11Dec2024	2.78m
BENGKULU BENGKULU-SELATAN	06:40Z	11Dec2024	3.10m
SUMBAR KOTA-PADANG U	06:40Z	11Dec2024	12.07m
NAD ACEH-BESAR U	06:42Z	11Dec2024	14.67m

SUMBAR KOTA-PADANG U	06:42Z	11Dec2024	11.12m
NAD PIDIE	06:44Z	11Dec2024	7.87m
SUMUT TAPANULI-TENGAH KEP.MURSALA	06:44Z	11Dec2024	9.56m
SUMUT TAPANULI-SELATAN	06:52Z	11Dec2024	11.49m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	06:52Z	11Dec2024	3.47m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	06:52Z	11Dec2024	3.55m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	06:52Z	11Dec2024	3.52m
SUMUT MANDAILING-NATAL S	06:52Z	11Dec2024	9.84m
SUMUT TAPANULI-TENGAH S	06:54Z	11Dec2024	8.72m
NAD BIREUEN	06:58Z	11Dec2024	8.21m
LAMPUNG TANGGAMUS B	06:58Z	11Dec2024	2.34m
BANTEN PANDEGLANG P.PANAITAN	07:00Z	11Dec2024	1.99m
BANTEN PANDEGLANG S	07:02Z	11Dec2024	2.14m
NAD ACEH-UTARA B	07:06Z	11Dec2024	8.21m
NAD KOTA-LHOKSEUMAWE	07:08Z	11Dec2024	6.05m
BANTEN LEBAK	07:10Z	11Dec2024	2.05m
JABAR SUKABUMI UJUNG-GENTENG	07:12Z	11Dec2024	1.45m
JABAR SUKABUMI PELABUHAN-RATU	07:12Z	11Dec2024	11.49m
LAMPUNG TANGGAMUS T	07:14Z	11Dec2024	3.18m
LAMPUNG TANGGAMUS P.TABUAN	07:14Z	11Dec2024	1.40m
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	07:14Z	11Dec2024	2.64m
BANTEN SERANG B	07:14Z	11Dec2024	2.64m
BANTEN KOTA-CILEGON P.SANGIANG	07:14Z	11Dec2024	2.64m
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	07:14Z	11Dec2024	2.61m
NAD ACEH-UTARA T	07:16Z	11Dec2024	6.73m
JABAR CIANJUR SINDANGBARANG	07:18Z	11Dec2024	1.69m
LAMPUNG LAMPUNG-SELATAN KALIANDA	07:20Z	11Dec2024	3.90m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	07:24Z	11Dec2024	2.21m
LAMPUNG LAMPUNG-SELATAN B	07:24Z	11Dec2024	2.21m
JABAR GARUT	07:26Z	11Dec2024	1.33m
JABAR TASIKMALAYA	07:30Z	11Dec2024	1.55m
BANTEN PANDEGLANG U	07:30Z	11Dec2024	2.23m
NAD ACEH-TIMUR	07:40Z	11Dec2024	3.99m
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	07:42Z	11Dec2024	3.02m
JABAR CIAMIS	07:46Z	11Dec2024	1.87m
JATENG PURWOREJO	07:54Z	11Dec2024	1.73m
JATENG KEBUMEN	07:56Z	11Dec2024	1.58m
JATENG CILACAP	07:58Z	11Dec2024	2.80m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	07:58Z	11Dec2024	3.34m
DIY BANTUL	08:02Z	11Dec2024	1.69m
DIY KULON-PROGO	08:02Z	11Dec2024	1.33m
DIY GUNUNG-KIDUL	08:04Z	11Dec2024	1.58m
JATENG WONOGIRI	08:10Z	11Dec2024	1.19m
JATIM PACITAN	08:12Z	11Dec2024	1.58m
JATIM TRENGGALEK	08:14Z	11Dec2024	1.41m
JATIM MALANG	08:22Z	11Dec2024	0.84m
JATIM BLITAR	08:24Z	11Dec2024	1.03m
JATIM TULUNGAGUNG	08:30Z	11Dec2024	1.08m
JATIM JEMBER P.NUSABARUNG	08:32Z	11Dec2024	0.88m
NAD KOTA-LANGSA	08:36Z	11Dec2024	2.13m
JATIM JEMBER	08:38Z	11Dec2024	0.92m
JATIM BANYUWANGI S	08:38Z	11Dec2024	0.99m
JATIM LUMAJANG	08:44Z	11Dec2024	1.60m
BALI DENPASAR PANTAI-SANUR	08:50Z	11Dec2024	0.73m
BALI TABANAN	08:54Z	11Dec2024	1.09m
NAD ACEH-TAMIAANG	09:00Z	11Dec2024	1.89m
NTB LOMBOK-TIMUR S	09:04Z	11Dec2024	0.85m
BALI BADUNG PANTAI-KUTA	09:04Z	11Dec2024	0.73m
BALI KLUNGKUNG P.NUSAPENIDA	09:06Z	11Dec2024	0.72m
NTB LOMBOK-TENGAH	09:06Z	11Dec2024	0.76m
NTT SUMBA B	09:28Z	11Dec2024	1.13m
NTB DOMPU S	09:36Z	11Dec2024	0.73m
NTB KOTA-BIMA S	09:38Z	11Dec2024	0.90m
SUMUT LANGKAT	09:40Z	11Dec2024	2.31m
NTB SUMBAWA S	09:42Z	11Dec2024	1.45m
BELAWAN	10:08Z	11Dec2024	2.23m

SUMUT DELISERDANG	10:10Z	11Dec2024	1.49m
SUMUT SERDANG-BEDAGAI	10:20Z	11Dec2024	1.53m
SUMUT ASAHAN	10:40Z	11Dec2024	1.63m
NTT LEMBATA S	10:40Z	11Dec2024	0.77m
NTT ALOR S	10:42Z	11Dec2024	0.78m
PANTE MACASSAR	10:46Z	11Dec2024	0.76m
NTT BELU U	10:46Z	11Dec2024	0.76m
NTT FLORES-TIMUR P.SOLOR	10:46Z	11Dec2024	0.67m
NTT FLORES-TIMUR S	10:48Z	11Dec2024	0.66m
NTT KUPANG	10:48Z	11Dec2024	0.64m
NTB LOMBOK-BARAT S	11:20Z	11Dec2024	0.60m
NTT SIKKA S	11:22Z	11Dec2024	0.67m
NTB SUMBAWA B	11:42Z	11Dec2024	0.60m
NTT MANGGARAI-BARAT P.	11:58Z	11Dec2024	0.85m
NTT MANGGARAI-BARAT S	12:08Z	11Dec2024	1.08m
LABUHAN BATU	12:56Z	11Dec2024	1.07m
NTT NGADA S	13:42Z	11Dec2024	0.81m
NTT ENDE S	13:48Z	11Dec2024	0.65m
NTT MANGGARAI S	13:48Z	11Dec2024	0.81m
ROKAN HILIR	13:50Z	11Dec2024	0.70m
NTT SUMBA T	13:52Z	11Dec2024	0.75m
NTT ROTENDAO	14:10Z	11Dec2024	0.60m
DUMAI	17:58Z	11Dec2024	0.89m
BENGKALIS	19:48Z	11Dec2024	0.55m
SIAK	19:56Z	11Dec2024	0.60m
PELALAWAN	19:56Z	11Dec2024	0.60m

IRAN

CHAHBAHAR	13:42Z	11Dec2024	1.74m
BANDAR-E-JASK	14:00Z	11Dec2024	1.36m
MINAB	15:32Z	11Dec2024	1.95m

KENYA

LAMU	14:08Z	11Dec2024	4.14m
GARSEN	14:32Z	11Dec2024	3.09m
MICHEWENI	14:32Z	11Dec2024	2.94m
KILIFI	14:34Z	11Dec2024	4.27m
KISAUNI	14:36Z	11Dec2024	4.55m
MSAMBWENI	14:40Z	11Dec2024	3.47m

MADAGASCAR

SAVA	13:24Z	11Dec2024	3.10m
DIANA	13:26Z	11Dec2024	2.67m
ATSINANANA	13:40Z	11Dec2024	4.41m
ANALANJIROFO	13:44Z	11Dec2024	5.15m
GLORIOSO ISLANDS	13:48Z	11Dec2024	1.01m
VATOVAVY FITOVINANY	13:52Z	11Dec2024	8.75m
ATSIMO-ATSINANA	14:02Z	11Dec2024	7.29m
ANOSY	14:06Z	11Dec2024	6.50m
SOFIA	14:22Z	11Dec2024	1.08m
BOENY	14:40Z	11Dec2024	2.33m
ANDROY	14:44Z	11Dec2024	4.27m
MELAKY	14:46Z	11Dec2024	1.22m
ATSIMO-ANDREFANA	15:00Z	11Dec2024	2.28m
JUAN DE NOVA ISLAND	15:38Z	11Dec2024	0.59m
EUROPA ISLAND	15:42Z	11Dec2024	0.98m
MENABE	16:20Z	11Dec2024	0.99m

MALAYSIA

LANGKAWI	09:36Z	11Dec2024	3.02m
KOTA SETAR	09:42Z	11Dec2024	1.63m
KUALA MUDA	09:58Z	11Dec2024	2.80m
YAN	09:58Z	11Dec2024	2.80m
SEBERANG PERAI SELATAN	10:08Z	11Dec2024	1.67m
TIMUR LAUT	10:18Z	11Dec2024	2.40m
KERIAN	10:34Z	11Dec2024	2.17m

LARUT AND MATANG	10:40Z	11Dec2024	2.17m
MANJUNG	10:46Z	11Dec2024	1.75m
HILIR PERAK	11:16Z	11Dec2024	1.59m
SABAK BERNAM	11:58Z	11Dec2024	1.35m
KUALA SELANGOR	12:22Z	11Dec2024	1.38m
KUALA LANGAT	13:54Z	11Dec2024	0.79m
SEPANG	17:36Z	11Dec2024	0.76m
PORT DICKSON	17:58Z	11Dec2024	0.74m
MUAR	19:48Z	11Dec2024	0.55m

MALDIVES

MEEMU ATOLL	09:02Z	11Dec2024	11.00m
KAAFU ATOLL	09:02Z	11Dec2024	11.40m
THAA ATOLL	09:04Z	11Dec2024	12.55m
HAA-DHAALU ATOLL	09:06Z	11Dec2024	6.81m
GAAFU-DHAALU ATOLL	09:06Z	11Dec2024	12.22m
SEENU ATOLL	09:10Z	11Dec2024	9.83m
BAA ATOLL	09:18Z	11Dec2024	5.63m
FAAFU ATOLL	09:24Z	11Dec2024	17.07m
ALIF-ALIF ATOLL	09:32Z	11Dec2024	6.54m

MAURITIUS

LA FERME	11:40Z	11Dec2024	9.49m
CARGADOS CARAJOS	12:10Z	11Dec2024	10.72m
AGALEGA ISLAND	12:20Z	11Dec2024	2.39m
GRANDE REVIERE SUD EST-EAST	12:26Z	11Dec2024	5.25m
GRANDE REVIERE SUD EST-WEST	12:42Z	11Dec2024	3.70m

MOZAMBIQUE

PALMA	14:42Z	11Dec2024	3.15m
MOCIMBOA DA PRAIA	14:52Z	11Dec2024	2.71m
MACOMIA	14:54Z	11Dec2024	1.58m
QUISSANGA	14:58Z	11Dec2024	1.64m
PEMBA	14:58Z	11Dec2024	2.13m
MECUFI	15:02Z	11Dec2024	1.99m
ANCUABE	15:02Z	11Dec2024	2.02m
NAMAPA	15:04Z	11Dec2024	2.10m
MEMBA	15:06Z	11Dec2024	1.69m
MOSSURIL	15:08Z	11Dec2024	1.22m
NECALA VELHA	15:10Z	11Dec2024	1.87m
MONGINCUAL	15:18Z	11Dec2024	1.26m
MOMA	15:42Z	11Dec2024	0.99m
INHARRIME	16:14Z	11Dec2024	1.94m
MASSINGA	16:26Z	11Dec2024	1.47m
VILANCULOS	16:28Z	11Dec2024	1.42m
MORRUMBENE	16:30Z	11Dec2024	1.71m
PEBANE	16:40Z	11Dec2024	0.90m
INHANSSORO	16:40Z	11Dec2024	1.08m
ZAVALA	16:42Z	11Dec2024	1.47m
CHINDE	16:44Z	11Dec2024	1.39m
NICOADALA	16:44Z	11Dec2024	1.39m
MAPUTO	16:46Z	11Dec2024	2.34m
MAGANJA DA COSTA	16:48Z	11Dec2024	1.05m
XAI-XAI	16:50Z	11Dec2024	3.06m
MARRACUENE	16:54Z	11Dec2024	2.19m
MACHANGA	17:04Z	11Dec2024	1.07m
CHERINGOMA	17:22Z	11Dec2024	1.99m
DONDO	17:24Z	11Dec2024	1.79m

MYANMAR

LITTLE COCO ISLAND	07:14Z	11Dec2024	3.25m
PREPARIS ISLAND	07:26Z	11Dec2024	2.34m
MERGUI	07:36Z	11Dec2024	3.84m
KAPOE	07:44Z	11Dec2024	6.06m
KAWTHOUNG	07:48Z	11Dec2024	6.04m
BASSEIN	07:50Z	11Dec2024	1.82m

KYAUNKPYU	08:00Z	11Dec2024	3.16m
THANDWE	08:02Z	11Dec2024	3.20m
MYOUNGMYA	08:08Z	11Dec2024	3.05m
MAUNGTAW	08:30Z	11Dec2024	2.04m
BUTHIDAUNG	08:30Z	11Dec2024	2.74m
SITTWE	08:32Z	11Dec2024	2.69m
DAWEI	08:50Z	11Dec2024	2.64m
PHARPON	09:08Z	11Dec2024	2.47m
MAWLAMYINE	09:20Z	11Dec2024	2.11m
YANGON-S	09:28Z	11Dec2024	1.47m

OMAN

AL WUSTA	12:32Z	11Dec2024	1.84m
AL WUSTA	12:32Z	11Dec2024	1.17m
MARBAT	12:34Z	11Dec2024	2.89m
JALAN BANI	12:38Z	11Dec2024	1.04m
BIDDIYA	12:38Z	11Dec2024	2.27m
MARBAT	12:42Z	11Dec2024	2.96m
TAQAH	12:48Z	11Dec2024	3.87m
SALALAH	12:52Z	11Dec2024	2.81m
MUQSHIN	12:58Z	11Dec2024	1.28m
SUR	13:18Z	11Dec2024	0.79m
QURIYAT	13:28Z	11Dec2024	0.93m
MUSCAT	13:38Z	11Dec2024	1.34m
BARKA	13:56Z	11Dec2024	0.63m
AL KHABOURAH	14:02Z	11Dec2024	0.64m
SAHAM	14:54Z	11Dec2024	0.86m
MADHA	14:58Z	11Dec2024	1.27m

PAKISTAN

MAKRAN	13:06Z	11Dec2024	1.26m
KALAT	14:16Z	11Dec2024	1.88m
KARACHI	14:18Z	11Dec2024	2.50m
HYDERABAD	14:42Z	11Dec2024	1.75m

SEYCHELLES

FREGATE ISLAND	12:06Z	11Dec2024	4.49m
COETIVY ISLAND	12:12Z	11Dec2024	2.42m
TAKAMAKA	12:24Z	11Dec2024	5.37m
ILE DESROCHES	12:36Z	11Dec2024	2.91m
ALPHONSE ISLAND	12:48Z	11Dec2024	1.36m
FARQUHAR GROUP	13:08Z	11Dec2024	2.00m
ASTOVE ISLAND	13:36Z	11Dec2024	1.56m
ALDABRA	13:48Z	11Dec2024	1.80m

SOMALIA

BANDER-BEYLA	13:00Z	11Dec2024	6.36m
IS KUSHUBAN	13:02Z	11Dec2024	5.01m
EYL	13:06Z	11Dec2024	6.13m
JARIIBAN	13:12Z	11Dec2024	5.77m
HOBYO	13:12Z	11Dec2024	6.84m
XARARDHEERE	13:16Z	11Dec2024	6.22m
CALAWLA	13:18Z	11Dec2024	3.55m
AADAN	13:20Z	11Dec2024	4.71m
CADALE	13:20Z	11Dec2024	5.06m
CEEL DHEER	13:20Z	11Dec2024	5.18m
BALCAD	13:28Z	11Dec2024	5.04m
MOGADISHO	13:32Z	11Dec2024	5.18m
MARKA	13:42Z	11Dec2024	4.71m
BARAAWE	13:46Z	11Dec2024	4.40m
JILIB	13:52Z	11Dec2024	3.30m
JAMAAME	13:52Z	11Dec2024	4.57m
KISMAAYO	13:58Z	11Dec2024	4.27m
BADHAADHE	14:06Z	11Dec2024	5.28m
QANDALA	14:28Z	11Dec2024	0.83m
CEERIGAABO	14:40Z	11Dec2024	0.62m

BADHAN	14:44Z	11Dec2024	0.63m
CEEL-AFWEIN	14:48Z	11Dec2024	0.82m
BERBERA	15:24Z	11Dec2024	0.78m
LUGHAYA	15:34Z	11Dec2024	0.80m
ZEYLAC	15:42Z	11Dec2024	1.03m
BOSAASO	16:02Z	11Dec2024	0.70m

SOUTH AFRICA

UMKHANYAKUDE	16:32Z	11Dec2024	2.61m
FUNK SEAMOUNT	16:32Z	11Dec2024	6.75m
UMKHANYAKUDE	16:34Z	11Dec2024	2.31m
UTHUNGULU	16:34Z	11Dec2024	2.91m
UMKHANYAKUDE	16:36Z	11Dec2024	2.37m
UGU	16:44Z	11Dec2024	4.58m
eThkewini	16:46Z	11Dec2024	3.30m
ALFRED NZO	16:46Z	11Dec2024	2.99m
BUFFALO CITY	16:48Z	11Dec2024	2.97m
O.R.TAMBO	16:48Z	11Dec2024	2.97m
EDEN	16:48Z	11Dec2024	2.97m
EDEN	16:48Z	11Dec2024	2.97m
EDEN	16:48Z	11Dec2024	2.97m
CACADU	16:48Z	11Dec2024	2.97m
AMATHOLE	16:48Z	11Dec2024	2.97m
O.R.TAMBO	16:48Z	11Dec2024	2.97m
AMATHOLE	16:48Z	11Dec2024	2.97m
AMATHOLE	16:48Z	11Dec2024	2.97m
AMATHOLE	16:48Z	11Dec2024	2.97m
OVERBERG	16:48Z	11Dec2024	2.97m
CACADU	16:48Z	11Dec2024	2.97m
O.R.TAMBO	16:48Z	11Dec2024	2.97m
BUFFALO CITY	16:48Z	11Dec2024	2.97m
AMATHOLE	16:48Z	11Dec2024	2.97m
CACADU	16:48Z	11Dec2024	2.97m
CACADU	16:48Z	11Dec2024	2.97m
EDEN	16:48Z	11Dec2024	2.97m
OVERBERG	16:48Z	11Dec2024	2.97m
UGU	16:48Z	11Dec2024	3.43m
NELSON MANDELA BAY	16:48Z	11Dec2024	2.97m
iLembe	16:50Z	11Dec2024	2.99m

SRI LANKA

POTHUVIL	07:36Z	11Dec2024	14.05m
AKKARAIPATTU	07:36Z	11Dec2024	12.34m
MANMUNAI	07:36Z	11Dec2024	13.26m
LAHUGALA	07:38Z	11Dec2024	13.75m
THISSAMAHARAMA	07:38Z	11Dec2024	13.39m
KORALAI PATTU	07:40Z	11Dec2024	11.55m
MUTTUR	07:40Z	11Dec2024	11.94m
KUCHCHAVELI	07:42Z	11Dec2024	8.85m
MARITIMEPATTU	07:46Z	11Dec2024	7.24m
HAMBANTOTA	07:46Z	11Dec2024	15.60m
TANGALLE	07:50Z	11Dec2024	11.72m
MATARA FOUR GRAVETS	07:52Z	11Dec2024	11.30m
PUTHUKUDIYIRUPPU	07:52Z	11Dec2024	7.10m
HABARADUWA	07:58Z	11Dec2024	11.30m
VADAMARDCHY EAST	08:00Z	11Dec2024	3.82m
AMBALANGODA	08:02Z	11Dec2024	7.22m
VADAMARADCHY	08:06Z	11Dec2024	3.55m
BERUWALA	08:10Z	11Dec2024	5.58m
COLOMBO	08:16Z	11Dec2024	3.79m
PANADURA	08:18Z	11Dec2024	5.95m
NEGOMBO	08:26Z	11Dec2024	4.08m
ARACHCHIKATTUWA PS	08:30Z	11Dec2024	3.10m
KALPITIYA	08:40Z	11Dec2024	2.78m
MUSALI	08:52Z	11Dec2024	2.28m

TANZANIA

WETE	14:28Z	11Dec2024	1.96m
MKOANI	14:34Z	11Dec2024	2.01m
KUSINI	14:36Z	11Dec2024	2.12m
KASKAZINI 'A'	14:38Z	11Dec2024	1.72m
MAFIA	14:38Z	11Dec2024	2.10m
MTWARA	14:40Z	11Dec2024	1.94m
TEMEKE	14:42Z	11Dec2024	2.82m
KILWA	14:44Z	11Dec2024	1.78m
LINDI	14:44Z	11Dec2024	1.99m
CHAKECHAKE	14:46Z	11Dec2024	1.70m
KINONDONI	14:50Z	11Dec2024	1.94m
TANGA	14:50Z	11Dec2024	2.16m
PANGANI	14:52Z	11Dec2024	2.39m

THAILAND

THAI MUEANG	07:32Z	11Dec2024	11.91m
MUEANG PHUKET	07:42Z	11Dec2024	7.60m
KHURA BURI	07:52Z	11Dec2024	7.18m
KOH LANTA	08:16Z	11Dec2024	3.83m
THAI MUEANG TAKUA PA	08:26Z	11Dec2024	11.17m
KANTANG SIKAO	08:26Z	11Dec2024	2.72m
MUEANG SATUN	08:36Z	11Dec2024	2.70m
LA-NGU	08:36Z	11Dec2024	2.70m

TIMOR-LESTE

AMBENO	10:50Z	11Dec2024	0.71m
BOBONARO	11:04Z	11Dec2024	0.74m
LIQUICA	13:34Z	11Dec2024	0.61m

UNITED ARAB EMIRATES

SHINAS	14:36Z	11Dec2024	1.19m
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UNITED KINGDOM

MORESBY ISLAND	09:28Z	11Dec2024	14.09m
DIEGO GARCIA	09:30Z	11Dec2024	9.25m
EGMONT ISLAND	09:52Z	11Dec2024	5.85m

YEMEN

HIDAYBU	12:40Z	11Dec2024	6.09m
QULENSYA WA ABD ALKURI	12:58Z	11Dec2024	2.72m
HAWF	13:06Z	11Dec2024	2.98m
AL GHAYDAH	13:10Z	11Dec2024	2.81m
QULENSYA WA ABD ALKURI-WEST	13:12Z	11Dec2024	1.67m
HUSWAIN	13:32Z	11Dec2024	1.69m
SAYHUT	13:38Z	11Dec2024	1.53m
AL MASILAH	13:44Z	11Dec2024	1.77m
AL MUKALLA CITY	13:52Z	11Dec2024	1.28m
ASH SHIHR	13:54Z	11Dec2024	1.21m
AR RAYADAH WA QUSAYAR	14:12Z	11Dec2024	1.67m
BROM MAYFA	14:16Z	11Dec2024	1.19m
AD DIS	14:16Z	11Dec2024	1.18m
RUDUM	14:28Z	11Dec2024	1.38m
AHWAR	14:56Z	11Dec2024	1.13m
KHANFIR	14:58Z	11Dec2024	2.95m
KHUR MAKSAR	15:42Z	11Dec2024	2.74m
AL BURAIQEH	15:46Z	11Dec2024	1.67m
AL MADARIBAH WA AL ARAH	16:00Z	11Dec2024	1.25m
DHUBABA	16:26Z	11Dec2024	0.81m

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 oinformation at:

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

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

6. CONTACT INFORMATION

IOTWMS-TSP AUSTRALIA

Joint Australian Tsunami Warning Centre (JATWC)

Bureau of Meteorology

GPO BOX 1289 Melbourne, Victoria, Australia, 3001

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

END OF BULLETIN

IOTWMS COMMS TEST 11 DECEMBER 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 11 DECEMBER 2024 - NOT A REAL TSUNAMI EVENT

TEST TSUNAMI BULLETIN NUMBER 4 (TYPE-IV FINAL BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER AUSTRALIA (JATWC)
ISSUED AT 0645 UTC WEDNESDAY 11 DECEMBER 2024

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

1. TSUNAMI SOURCE INFORMATION
IOTWMS-TSP AUSTRALIA has detected an earthquake with the following details:

Magnitude: 9.2 Mwp
Depth: 10 km
Date: 11 Dec 2024
Origin Time: 0600 UTC
Latitude: 3.30N
Longitude: 95.96E
Location: Off West Coast of Northern Sumatra

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.

DART 23217	India	3.80N	91.70E	1.00m	11 Dec 05:55 UTC
Meulaboh	Indonesia	4.30N	96.22E	2.00m	11 Dec 06:00 UTC
Christmas Is	Australia	10.43S	105.67E	3.00m	11 Dec 06:15 UTC
Cape Cuvier, WA	Australia	24.22S	113.40E	0.55m	11 Dec 06:20 UTC
Point Murat, WA	Australia	21.82S	114.19E	2.00m	11 Dec 06:25 UTC
DART 56001	Australia	13.98S	110.00E	1.00m	11 Dec 07:40 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 11 DECEMBER 2024 - NOT A REAL TSUNAMI EVENT

#####

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

TSP INDIA Test Start Message

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#####
## IOTWMS COMMS TEST  11 DECEMBER 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 11 DECEMBER 2024
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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.
-----
#####
## IOTWMS COMMS TEST  11 DECEMBER 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 0606 UTC WEDNESDAY 11 DECEMBER 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: 9.2 M
Depth: 10 km
Date: 11 DEC 2024
Origin Time: 0600UTC
Latitude: 3.3 N
Longitude: 95.96 E
Location: NORTHERN SUMATRA, INDONESIA

2. EVALUATION

Based on historical data and tsunami modelling, this earthquake may be capable of generating a tsunami affecting the Indian Ocean region. IOTWMS-TSP INDIA will monitor sea level gauges near the earthquake to determine if a tsunami was generated and will issue further bulletins for this event. 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 0618 UTC Wednesday 11 December 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: 9.2 M
Depth: 10 km
Date: 11 DEC 2024
Origin Time: 0600 UTC
Latitude: 3.3 N
Longitude: 95.96 E
Location: NORTHERN SUMATRA, INDONESIA

2. EVALUATION

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

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

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

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

AUSTRALIA

COCOS ISLAND	0832z	11 Dec 2024	0.9m	Threat
NINGALOO COAST	1125z	11 Dec 2024	1.0m	Threat
PILBARA COAST WEST	1150z	11 Dec 2024	1.8m	Threat
GASCOYNE COAST	1200z	11 Dec 2024	1.7m	Threat
PILBARA COAST EAST	1230z	11 Dec 2024	1.6m	Threat
GERALDTON COAST	1254z	11 Dec 2024	1.9m	Threat
LEEUEWIN COAST	1312z	11 Dec 2024	1.1m	Threat
PERTH COAST	1539z	11 Dec 2024	1.0m	Threat
LANCELIN COAST	1557z	11 Dec 2024	1.1m	Threat
HEARD ISLAND AND MCDONALD ISLANDS	1618z	11 Dec 2024	1.8m	Threat
BUNBURY GEOGRAPHE COAST	1632z	11 Dec 2024	1.8m	Threat
AURORA BANK	1725z	11 Dec 2024	0.7m	Threat

WEST KIMBERLY COAST	1900z	11	Dec	2024	1.3m	Threat
NORTH KIMBERLY COAST	0204z	12	Dec	2024	0.6m	Threat
ALBANY COAST	0217z	12	Dec	2024	0.7m	Threat
EUCLA COAST	0425z	12	Dec	2024	0.6m	Threat
UPPER WEST COAST SA	0601z	12	Dec	2024	0.6m	Threat
UPPER SOUTH EAST COAST SA	0644z	12	Dec	2024	0.5m	Threat
ESPERENCE COAST	0648z	12	Dec	2024	0.5m	Threat

BANGLADESH

CHALNA	1004z	11	Dec	2024	1.2m	Threat
COXS BAZAR	1006z	11	Dec	2024	1.8m	Threat
KUTUBDIA ISLAND	1025z	11	Dec	2024	1.5m	Threat
BARGUNA	1038z	11	Dec	2024	1.6m	Threat

COMOROS

CHEZANI	1449z	11	Dec	2024	1.0m	Threat
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DJIBOUTI

NW ARTA	1610z	11	Dec	2024	1.5m	Threat
MUHAMMAD ALI BIN FATHA SUMANA	1614z	11	Dec	2024	0.8m	Threat

FRANCE

LLE SAINT-PAUL-SOUTH	1318z	11	Dec	2024	0.8m	Threat
LLE SAINT-PAUL-NORTH	1327z	11	Dec	2024	0.7m	Threat
ILE KERGUELEN	1535z	11	Dec	2024	4.0m	Threat
ILE DE LA POSSESSION	1550z	11	Dec	2024	1.3m	Threat
CROZET PLATEAU	1610z	11	Dec	2024	0.9m	Threat
NES CROZET	1735z	11	Dec	2024	0.5m	Threat

INDIA

INDIRA POINT	0602z	11	Dec	2024	7.3m	Threat
KOMATRA & KATCHAL ISLAND	0625z	11	Dec	2024	5.6m	Threat
CAR NICOBAR	0645z	11	Dec	2024	3.2m	Threat
LITTLE ANDAMAN	0702z	11	Dec	2024	7.0m	Threat
PORT BLAIR	0708z	11	Dec	2024	3.8m	Threat
BARREN ISLAND	0712z	11	Dec	2024	1.0m	Threat
HAVELOCK	0716z	11	Dec	2024	2.9m	Threat
NORTH SENTINEL ISLAND	0723z	11	Dec	2024	2.8m	Threat
RANGATH BAY	0726z	11	Dec	2024	3.0m	Threat
NARCONDAM ISLAND	0730z	11	Dec	2024	1.0m	Threat
DIGLIPUR	0731z	11	Dec	2024	1.7m	Threat
WEST & LANDFALL ISLAND	0757z	11	Dec	2024	2.0m	Threat
FLAT ISLAND	0805z	11	Dec	2024	2.6m	Threat
MARAKKANAM	0835z	11	Dec	2024	2.5m	Threat
CUDDALORE	0837z	11	Dec	2024	2.5m	Threat
PUDUCHERRY	0837z	11	Dec	2024	2.8m	Threat
POOMBUHAR	0838z	11	Dec	2024	2.5m	Threat
MAHABALIPURAM	0843z	11	Dec	2024	5.0m	Threat
NAGAPATTINAM	0846z	11	Dec	2024	4.5m	Threat
CHENNAI	0848z	11	Dec	2024	4.2m	Threat
ENNORE	0848z	11	Dec	2024	3.2m	Threat
KARAIKAL	0849z	11	Dec	2024	4.1m	Threat
SRIHARIKOTA	0850z	11	Dec	2024	2.9m	Threat
MACHILIPATNAM	0851z	11	Dec	2024	3.0m	Threat
MALLIPATTINAM	0854z	11	Dec	2024	3.0m	Threat
MUTHUPET	0855z	11	Dec	2024	3.0m	Threat
KAKINADA	0856z	11	Dec	2024	4.2m	Threat
PERUPALEM	0859z	11	Dec	2024	2.6m	Threat
NIJAMPATTANAM	0902z	11	Dec	2024	4.1m	Threat
KOTTAPATNAM	0906z	11	Dec	2024	4.7m	Threat
KALINGAPATNAM	0910z	11	Dec	2024	4.1m	Threat

VISAKHAPATNAM	0913z	11	Dec	2024	3.4m	Threat
RAMESWARAM	0915z	11	Dec	2024	1.8m	Threat
PURI	0915z	11	Dec	2024	2.0m	Threat
KONADA	0916z	11	Dec	2024	3.9m	Threat
KOTTAIPPATTANAM	0920z	11	Dec	2024	1.8m	Threat
GOPALPUR	0921z	11	Dec	2024	3.6m	Threat
TUTICORIN	0924z	11	Dec	2024	2.9m	Threat
PARADIP	0924z	11	Dec	2024	1.7m	Threat
KOODANKULAM	0937z	11	Dec	2024	2.5m	Threat
JAMBOO	0941z	11	Dec	2024	1.8m	Threat
KANYAKUMARI	0942z	11	Dec	2024	3.3m	Threat
TRIVANDRUM	0957z	11	Dec	2024	1.7m	Threat
DHAMRA	1006z	11	Dec	2024	2.2m	Threat
HEMNAGAR	1013z	11	Dec	2024	1.7m	Threat
NAMKHANA	1016z	11	Dec	2024	1.8m	Threat
QUILON	1022z	11	Dec	2024	1.1m	Threat
CHANDIPUR	1023z	11	Dec	2024	1.8m	Threat
DIGHA	1023z	11	Dec	2024	1.9m	Threat
ALLEPPEY ALAPPUZHA	1032z	11	Dec	2024	1.2m	Threat
AGATTI	1134z	11	Dec	2024	0.8m	Threat
KARWAR	1317z	11	Dec	2024	1.2m	Threat
COCHIN	1333z	11	Dec	2024	1.2m	Threat
VADANAPPALLY	1400z	11	Dec	2024	1.0m	Threat
KANNUR	1422z	11	Dec	2024	1.5m	Threat
BEYPORE	1422z	11	Dec	2024	1.5m	Threat
MAHE	1432z	11	Dec	2024	1.1m	Threat
KAVARATTI	1443z	11	Dec	2024	0.8m	Threat
VAKKAD	1508z	11	Dec	2024	1.3m	Threat
KASARAGOD	1509z	11	Dec	2024	1.7m	Threat
UDUPI	1540z	11	Dec	2024	1.3m	Threat
VASCO	1614z	11	Dec	2024	1.0m	Threat
PANAJI	1626z	11	Dec	2024	0.9m	Threat
MALVAN BAY	1630z	11	Dec	2024	0.7m	Threat
JAIGARH	1647z	11	Dec	2024	0.9m	Threat
MANGROL	1739z	11	Dec	2024	0.6m	Threat
ALIBAG PORT	1747z	11	Dec	2024	0.8m	Threat
HAZIRA, DIU	1756z	11	Dec	2024	0.7m	Threat
DWARKA	1758z	11	Dec	2024	0.8m	Threat
JAMNAGAR	1758z	11	Dec	2024	0.8m	Threat
MANGALORE	1810z	11	Dec	2024	1.4m	Threat
MANDVI	2027z	11	Dec	2024	0.6m	Threat
MAHUVA	2127z	11	Dec	2024	0.7m	Threat
MUMBAI	2341z	11	Dec	2024	0.5m	Threat
PIPAVAV	2343z	11	Dec	2024	0.6m	Threat
KHAMBAT	2350z	11	Dec	2024	0.6m	Threat
TARAPUR	0024z	12	Dec	2024	0.9m	Threat
DAMAN	0024z	12	Dec	2024	0.8m	Threat
BORSI	0027z	12	Dec	2024	0.8m	Threat
HAZIRA	0029z	12	Dec	2024	0.8m	Threat
BHARUCH	0052z	12	Dec	2024	0.7m	Threat
PORBANDAR	0153z	12	Dec	2024	0.6m	Threat

INDONESIA

SUMUT MANDAILING-NATAL U	0602z	11	Dec	2024	4.3m	Threat
SUMUT NIAS-SELATAN P.TANABALA	0602z	11	Dec	2024	3.9m	Threat
NAD SIMEULUE P.SIMEULUE	0602z	11	Dec	2024	8.5m	Threat
NAD ACEH-SINGKIL KEP.BANYAK	0602z	11	Dec	2024	5.2m	Threat
SUMUT NIAS-SELATAN P.NIAS	0602z	11	Dec	2024	4.3m	Threat
GUNUNGSITOLI	0602z	11	Dec	2024	3.3m	Threat
MUARASIBERUT	0602z	11	Dec	2024	4.0m	Threat
SUMUT TAPANULI-TENGAH KEP.MURSALA	0602z	11	Dec	2024	10.2m	Threat
SUMUT MANDAILING-NATAL S	0602z	11	Dec	2024	4.2m	Threat
SAKUBO	0602z	11	Dec	2024	3.8m	Threat
NIAS	0602z	11	Dec	2024	3.6m	Threat
NAD ACEH-SELATAN U	0603z	11	Dec	2024	7.6m	Threat

SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0603z	11 Dec 2024	4.4m	Threat
NAD KOTA-SABANG P.WEH	0603z	11 Dec 2024	6.7m	Threat
SUMUT NIAS-SELATAN P.TANAHMASA	0604z	11 Dec 2024	3.1m	Threat
NAD ACEH-SELATAN S	0604z	11 Dec 2024	8.6m	Threat
NAD KOTA-BANDA-ACEH	0604z	11 Dec 2024	9.5m	Threat
NIAS-EAST	0604z	11 Dec 2024	5.8m	Threat
JABAR CIAMIS	0604z	11 Dec 2024	1.8m	Threat
SUMUT NIAS B	0605z	11 Dec 2024	4.5m	Threat
NAD ACEH-BARAT-DAYA	0605z	11 Dec 2024	7.4m	Threat
MURASAIBI	0605z	11 Dec 2024	5.5m	Threat
SUMBAR PADANG-PARIAMAN U	0605z	11 Dec 2024	3.8m	Threat
SUMUT TAPANULI-TENGAH S	0606z	11 Dec 2024	6.3m	Threat
MUARASIGEP	0606z	11 Dec 2024	3.8m	Threat
NAD ACEH-BARAT	0607z	11 Dec 2024	11.8m	Threat
NAD ACEH-JAYA	0607z	11 Dec 2024	12.6m	Threat
NAD ACEH-BESAR P.BREUEH	0607z	11 Dec 2024	11.7m	Threat
SUMBAR AGAM	0607z	11 Dec 2024	3.7m	Threat
SUMBAR KOTA-PADANG U	0607z	11 Dec 2024	3.8m	Threat
SUMBAR KOTA-PADANG U	0607z	11 Dec 2024	5.2m	Threat
SUMBAR PADANG-PARIAMAN S	0608z	11 Dec 2024	3.2m	Threat
SUMBAR KOTA-PADANG S	0608z	11 Dec 2024	2.9m	Threat
SUMUT TAPANULI-SELATAN	0609z	11 Dec 2024	6.1m	Threat
JABAR TASIKMALAYA	0609z	11 Dec 2024	0.8m	Threat
NAD ACEH-BESAR P.PENASI	0609z	11 Dec 2024	11.4m	Threat
NAD NAGAN-RAYA	0610z	11 Dec 2024	17.1m	Threat
NAD ACEH-BESAR U	0611z	11 Dec 2024	3.6m	Threat
NAD ACEH-BESAR B	0611z	11 Dec 2024	12.4m	Threat
NIAS-NORTH	0612z	11 Dec 2024	4.0m	Threat
SUMBAR PESISIR-SELATAN U	0613z	11 Dec 2024	3.1m	Threat
SUMUT TAPANULI-TENGAH U	0614z	11 Dec 2024	8.4m	Threat
SOUTH OF BODAHAYIONE	0615z	11 Dec 2024	4.2m	Threat
NAD PIDIE	0617z	11 Dec 2024	2.2m	Threat
NAD ACEH-SINGKIL	0617z	11 Dec 2024	4.1m	Threat
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0617z	11 Dec 2024	2.9m	Threat
SUMBAR PESISIR-SELATAN S	0625z	11 Dec 2024	3.2m	Threat
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0628z	11 Dec 2024	2.3m	Threat
NAD BIREUEN	0630z	11 Dec 2024	2.0m	Threat
SUMBAR KOTA-PARIAMAN	0636z	11 Dec 2024	3.6m	Threat
BENGKULU MUKOMUKO	0637z	11 Dec 2024	2.1m	Threat
NAD KOTA-LHOKSEUMAWE	0641z	11 Dec 2024	2.1m	Threat
NAD ACEH-UTARA B	0643z	11 Dec 2024	1.8m	Threat
NAD ACEH-UTARA T	0652z	11 Dec 2024	2.3m	Threat
BENGKULU BENGKULU-UTARA U	0705z	11 Dec 2024	1.3m	Threat
NAD ACEH-TIMUR	0712z	11 Dec 2024	2.3m	Threat
BENGKULU BENGKULU-UTARA S	0722z	11 Dec 2024	2.4m	Threat
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0733z	11 Dec 2024	1.7m	Threat
JATENG CILACAP	0733z	11 Dec 2024	1.5m	Threat
BENGKULU SELUMA	0741z	11 Dec 2024	1.4m	Threat
BENGKULU BENGKULU-UTARA P.ENGGANO	0749z	11 Dec 2024	1.0m	Threat
BENGKULU BENGKULU-SELATAN	0757z	11 Dec 2024	1.1m	Threat
NAD KOTA-LANGSA	0815z	11 Dec 2024	1.5m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0824z	11 Dec 2024	1.0m	Threat
NAD ACEH-TAMIAN	0836z	11 Dec 2024	2.4m	Threat
LAMPUNG TANGGAMUS B	0837z	11 Dec 2024	1.6m	Threat
BENGKULU KAUR	0838z	11 Dec 2024	1.0m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0853z	11 Dec 2024	0.8m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0855z	11 Dec 2024	1.0m	Threat
LAMPUNG TANGGAMUS T	0902z	11 Dec 2024	2.1m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0909z	11 Dec 2024	1.1m	Threat
LAMPUNG LAMPUNG-SELATAN KALIANDA	0912z	11 Dec 2024	2.0m	Threat
BANTEN PANDEGLANG U	0916z	11 Dec 2024	1.6m	Threat
SUMUT LANGKAT	0920z	11 Dec 2024	1.5m	Threat
BANTEN SERANG B	0928z	11 Dec 2024	1.4m	Threat
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0928z	11 Dec 2024	2.4m	Threat
JATENG KEBUMEN	0934z	11 Dec 2024	1.1m	Threat
BANTEN KOTA-CILEGON P.SANGIANG	0935z	11 Dec 2024	1.3m	Threat

LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0937z	11	Dec	2024	1.6m	Threat
BANTEN KOTA-CILEGON	0940z	11	Dec	2024	1.9m	Threat
BELAWAN	0945z	11	Dec	2024	1.1m	Threat
JATENG PURWOREJO	0952z	11	Dec	2024	0.7m	Threat
SUMUT DELISERDANG	0954z	11	Dec	2024	1.1m	Threat
DIY KULON-PROGO	0957z	11	Dec	2024	0.8m	Threat
SUMUT SERDANG-BEDAGAI	0958z	11	Dec	2024	1.4m	Threat
SUMUT ASAHAN	1015z	11	Dec	2024	1.3m	Threat
LAMPUNG TANGGAMUS P.TABUAN	1110z	11	Dec	2024	1.1m	Threat
BANTEN PANDEGLANG P.PANAITAN	1124z	11	Dec	2024	1.3m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	1141z	11	Dec	2024	1.1m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	1237z	11	Dec	2024	1.1m	Threat
LAMPUNG LAMPUNG-SELATAN B	1240z	11	Dec	2024	0.8m	Threat
LABUHAN BATU	1324z	11	Dec	2024	1.5m	Threat
ROKAN HILIR	1417z	11	Dec	2024	0.8m	Threat
NTT SUMBA B	1510z	11	Dec	2024	0.7m	Threat
NTT MANGGARAI-BARAT P.	1514z	11	Dec	2024	0.7m	Threat
DUMAI	1519z	11	Dec	2024	0.9m	Threat
JABAR GARUT	1559z	11	Dec	2024	0.7m	Threat
JABAR CIANJUR SINDANGBARANG	1611z	11	Dec	2024	0.7m	Threat
DIY BANTUL	1632z	11	Dec	2024	0.7m	Threat
BALI DENPASAR PANTAI-SANUR	1652z	11	Dec	2024	1.1m	Threat
DIY GUNUNG-KIDUL	1653z	11	Dec	2024	0.9m	Threat
JATIM JEMBER	1654z	11	Dec	2024	1.1m	Threat
NTB SUMBAWA S	1706z	11	Dec	2024	0.8m	Threat
NTB LOMBOK-TENGAH	1713z	11	Dec	2024	0.7m	Threat
BENGKALIS	1735z	11	Dec	2024	0.5m	Threat
JATENG WONOGIRI	1814z	11	Dec	2024	0.9m	Threat
BANTEN LEBAK	1847z	11	Dec	2024	0.8m	Threat
JATIM JEMBER P.NUSABARUNG	1951z	11	Dec	2024	0.7m	Threat
JABAR SUKABUMI UJUNG-GENTENG	2000z	11	Dec	2024	0.8m	Threat
BANTEN PANDEGLANG S	2052z	11	Dec	2024	0.8m	Threat
JATIM BLITAR	2136z	11	Dec	2024	0.8m	Threat
JATIM PACITAN	2255z	11	Dec	2024	0.8m	Threat
JATIM TRENGGALEK	2306z	11	Dec	2024	0.7m	Threat
NTB LOMBOK-TIMUR S	2327z	11	Dec	2024	0.6m	Threat
BALI TABANAN	2348z	11	Dec	2024	0.6m	Threat
BALI KLUNGKUNG P.NUSAPENIDA	2358z	11	Dec	2024	0.7m	Threat
NTB SUMBAWA B	0003z	12	Dec	2024	0.7m	Threat
JATIM MALANG	0019z	12	Dec	2024	0.7m	Threat
NTT SUMBA T	0033z	12	Dec	2024	0.5m	Threat
JABAR SUKABUMI PELABUHAN-RATU	0100z	12	Dec	2024	0.9m	Threat
NTT KOTA-KUPANG	0113z	12	Dec	2024	0.8m	Threat
NTT MANGGARAI-BARAT S	0114z	12	Dec	2024	0.6m	Threat
NTT KUPANG	0116z	12	Dec	2024	0.7m	Threat
NTT MANGGARAI S	0116z	12	Dec	2024	0.7m	Threat
NTT NGADA S	0124z	12	Dec	2024	0.6m	Threat
NTT FLORES-TIMUR S	0125z	12	Dec	2024	0.6m	Threat
JATIM LUMAJANG	0152z	12	Dec	2024	0.7m	Threat
BALI BADUNG PANTAI-KUTA	0219z	12	Dec	2024	0.7m	Threat
JATIM TULUNGAGUNG	0234z	12	Dec	2024	0.7m	Threat
NTB KOTA-BIMA S	0446z	12	Dec	2024	0.7m	Threat
NTT LEMBATA S	0456z	12	Dec	2024	0.6m	Threat
NTT ROTENDAO	0502z	12	Dec	2024	0.6m	Threat
PANTE MACASSAR	0510z	12	Dec	2024	0.6m	Threat
NTT FLORES-TIMUR P.SOLOR	0510z	12	Dec	2024	0.6m	Threat
NTB LOMBOK-BARAT S	0658z	12	Dec	2024	0.5m	Threat
IRAN						

MISKI	1643z	11	Dec	2024	1.4m	Threat
PUSHT	1818z	11	Dec	2024	0.6m	Threat
BIR	1915z	11	Dec	2024	0.6m	Threat
KENYA						

KIWAYU	1440z	11	Dec	2024	1.3m	Threat
MALINDI	1501z	11	Dec	2024	1.3m	Threat
KIPINI	1501z	11	Dec	2024	1.2m	Threat
KISIMACHANDE	1534z	11	Dec	2024	1.7m	Threat
MVULENI	1807z	11	Dec	2024	0.9m	Threat
TAKAUNGU	0628z	12	Dec	2024	0.5m	Threat

MADAGASCAR

VOHEMAR	1353z	11	Dec	2024	1.1m	Threat
TOAMASINA AIRPORT	1411z	11	Dec	2024	1.3m	Threat
AMBAHY	1425z	11	Dec	2024	1.3m	Threat
TAMPOLO	1426z	11	Dec	2024	1.5m	Threat
FARAFAGANA	1429z	11	Dec	2024	0.8m	Threat
MANANTENINA	1442z	11	Dec	2024	1.4m	Threat
GLORIOSO ISLANDS	1446z	11	Dec	2024	1.1m	Threat
SAMPONA	1526z	11	Dec	2024	1.0m	Threat
ANOROTSANGANA	1618z	11	Dec	2024	0.7m	Threat
BALY	2032z	11	Dec	2024	1.1m	Threat
ANDROKA	0018z	12	Dec	2024	0.6m	Threat
AMBANJA	0102z	12	Dec	2024	0.7m	Threat
TAMOTAMO	0548z	12	Dec	2024	0.6m	Threat
MANJA	0632z	12	Dec	2024	0.5m	Threat

MALAYSIA

SATUN	0858z	11	Dec	2024	1.5m	Threat
YAN	0905z	11	Dec	2024	1.6m	Threat
WEST OF ALOR SETAR	0919z	11	Dec	2024	1.6m	Threat
SEBERANG PERAI UTARA & BARAT DAYA	0934z	11	Dec	2024	2.3m	Threat
SEBERANG PERAI SELATAN	0936z	11	Dec	2024	1.7m	Threat
KUALA MUDA	0942z	11	Dec	2024	2.4m	Threat
KERIAN	0956z	11	Dec	2024	1.5m	Threat
LARUT AND MATANG	1006z	11	Dec	2024	1.3m	Threat
MANJUNG	1019z	11	Dec	2024	1.8m	Threat
HILIR PERAK	1120z	11	Dec	2024	1.6m	Threat
SABAK BERNAM	1323z	11	Dec	2024	1.2m	Threat
KUALA SELANGOR	1333z	11	Dec	2024	1.6m	Threat
KUALA LANGAT	1405z	11	Dec	2024	1.1m	Threat
SEPANG	1527z	11	Dec	2024	0.9m	Threat
PORT DICKSON	1530z	11	Dec	2024	0.9m	Threat
MELAKA TENGAH & JASIN	1730z	11	Dec	2024	0.5m	Threat
JASIN	1746z	11	Dec	2024	0.5m	Threat

MALDIVES

MALE	0913z	11	Dec	2024	3.7m	Threat
KOLHUFUSHI	0915z	11	Dec	2024	2.5m	Threat
DHIYAMIGILI	0918z	11	Dec	2024	3.3m	Threat
HITHADHOO	0920z	11	Dec	2024	1.8m	Threat
THINADHOO	0922z	11	Dec	2024	2.2m	Threat
KULHUDUFFUSHI	0924z	11	Dec	2024	2.8m	Threat
NILANDHOO	0939z	11	Dec	2024	1.8m	Threat
GOIDHOO	0942z	11	Dec	2024	2.0m	Threat
FERIDHOO	0946z	11	Dec	2024	2.1m	Threat

MAURITIUS

LA FERME	1153z	11	Dec	2024	1.6m	Threat
GRANDE REVIERE SUD EST-EAST	1246z	11	Dec	2024	1.1m	Threat
CARGADOS CARAJOS	1302z	11	Dec	2024	1.4m	Threat

MOZAMBIQUE

MAGANJA	1515z	11	Dec	2024	1.1m	Threat
MERONVI	1537z	11	Dec	2024	0.9m	Threat

TAVARI	1607z	11	Dec	2024	0.6m	Threat
LUMBO	1745z	11	Dec	2024	0.9m	Threat
MALUANA	1832z	11	Dec	2024	1.0m	Threat
MAGUEMBA	1955z	11	Dec	2024	1.1m	Threat
PEMBA	1956z	11	Dec	2024	1.1m	Threat
QUITERAJÓ	2128z	11	Dec	2024	0.9m	Threat
NANGATA	2225z	11	Dec	2024	0.8m	Threat
INHARRIME	2225z	11	Dec	2024	0.8m	Threat
MOGINCUAL	2354z	11	Dec	2024	0.6m	Threat
ZAVALA	2359z	11	Dec	2024	0.8m	Threat
OCONE	0023z	12	Dec	2024	0.9m	Threat
XAI-XAI	0038z	12	Dec	2024	0.6m	Threat
MAPUTO	0100z	12	Dec	2024	0.7m	Threat
VILA DO CHINDE	0126z	12	Dec	2024	0.8m	Threat
MOEBASE	0130z	12	Dec	2024	0.6m	Threat
NHANGAU	0143z	12	Dec	2024	0.8m	Threat
NOVA LUSITANIA	0236z	12	Dec	2024	0.6m	Threat
MAIONGUE	0256z	12	Dec	2024	0.6m	Threat

MYANMAR

THAN KYUN	0735z	11	Dec	2024	2.3m	Threat
LORD LOUGHBOROUGH ISLAND	0736z	11	Dec	2024	2.5m	Threat
GREAT WESTERN TORRES ISLAND	0742z	11	Dec	2024	2.7m	Threat
LITTLE COCO ISLAND	0753z	11	Dec	2024	1.3m	Threat
PREPARIS ISLAND	0804z	11	Dec	2024	1.1m	Threat
MALI KYUN	0859z	11	Dec	2024	1.7m	Threat
KYWEGYAUNG	0900z	11	Dec	2024	2.3m	Threat
PHARPON	0906z	11	Dec	2024	1.9m	Threat
CHEDUBA ISLAND	0908z	11	Dec	2024	2.0m	Threat
MAWYEN	0913z	11	Dec	2024	2.1m	Threat
MAGYIGYAING	0914z	11	Dec	2024	2.2m	Threat
YE	0935z	11	Dec	2024	1.2m	Threat
SITTWE	0935z	11	Dec	2024	1.5m	Threat
KYAUKPYU	0937z	11	Dec	2024	1.9m	Threat
THAWINCHAUNG	0939z	11	Dec	2024	1.4m	Threat
YANGON-S	0943z	11	Dec	2024	1.8m	Threat

OMAN

HASIK	1340z	11	Dec	2024	1.1m	Threat
SALALAH	1343z	11	Dec	2024	1.1m	Threat
TAQAH	1508z	11	Dec	2024	0.5m	Threat
EAST MUSANDAM	1524z	11	Dec	2024	1.0m	Threat
AL ASHKHARAH	1654z	11	Dec	2024	0.7m	Threat
AL JAZER	1801z	11	Dec	2024	0.7m	Threat
AD DUQM	1809z	11	Dec	2024	0.9m	Threat
MIRBAT	1837z	11	Dec	2024	0.5m	Threat
MASIRAH	1924z	11	Dec	2024	0.6m	Threat
RAS AR RUWAYS	2121z	11	Dec	2024	0.8m	Threat
QURAYYAT	2215z	11	Dec	2024	0.6m	Threat
MUSCAT	0235z	12	Dec	2024	0.5m	Threat

PAKISTAN

WINDER	1805z	11	Dec	2024	1.1m	Threat
KARACHI	1823z	11	Dec	2024	0.8m	Threat
ORMARA	1836z	11	Dec	2024	0.7m	Threat
SINDH	2334z	11	Dec	2024	0.8m	Threat

SEYCHELLES

COETIVY ISLAND	1241z	11	Dec	2024	0.5m	Threat
FREGATE ISLAND	1241z	11	Dec	2024	1.4m	Threat
TAKAMAKA	1335z	11	Dec	2024	1.7m	Threat

SOMALIA

BANDER-BEYLA	1315z	11	Dec	2024	2.2m	Threat
EYL	1323z	11	Dec	2024	1.9m	Threat
TOOXIN	1323z	11	Dec	2024	3.4m	Threat
GALDOGOB	1324z	11	Dec	2024	1.9m	Threat
ITALA	1334z	11	Dec	2024	0.9m	Threat
MAREEG	1334z	11	Dec	2024	1.5m	Threat
XARARDHEERE	1335z	11	Dec	2024	1.5m	Threat
JARIIBAN	1336z	11	Dec	2024	1.1m	Threat
UARSCIECH	1336z	11	Dec	2024	1.1m	Threat
MUQDISHO	1342z	11	Dec	2024	1.4m	Threat
CEEL DHEER	1345z	11	Dec	2024	1.8m	Threat
ABO	1358z	11	Dec	2024	2.2m	Threat
JILIB	1401z	11	Dec	2024	0.9m	Threat
BARAAWE	1406z	11	Dec	2024	1.1m	Threat
NE BEERNAASI	1410z	11	Dec	2024	1.1m	Threat
KAAMBOONI	1417z	11	Dec	2024	1.1m	Threat
BEYNAX BARRE	1430z	11	Dec	2024	0.6m	Threat
LOYADO	1609z	11	Dec	2024	0.6m	Threat
SAYLAC	1611z	11	Dec	2024	0.5m	Threat
QANDALA	2248z	11	Dec	2024	0.6m	Threat

SOUTH AFRICA

LAKE SIBAYI	1724z	11	Dec	2024	0.8m	Threat
KOSIMEER	1728z	11	Dec	2024	0.7m	Threat
FUNK SEAMOUNT	1805z	11	Dec	2024	1.0m	Threat
BIZANA	1808z	11	Dec	2024	0.7m	Threat
MARSHSTRAND	1932z	11	Dec	2024	0.7m	Threat
PORT DURNFORD	2018z	11	Dec	2024	0.6m	Threat
WILLOWVALE	2056z	11	Dec	2024	0.6m	Threat
KENTANI	2056z	11	Dec	2024	0.6m	Threat
PORT ELIZABETH	2125z	11	Dec	2024	0.9m	Threat
ABORETUM	2131z	11	Dec	2024	0.6m	Threat
PORT ST JOHNS	2142z	11	Dec	2024	0.8m	Threat
LUSIKISIKI	2205z	11	Dec	2024	0.5m	Threat
KAYSERS BEACH	2225z	11	Dec	2024	0.7m	Threat
MANDI	2234z	11	Dec	2024	1.0m	Threat
MOSSEL	2327z	11	Dec	2024	0.9m	Threat
GEORGE	2344z	11	Dec	2024	0.6m	Threat
MARGATE	0030z	12	Dec	2024	0.7m	Threat
BREDASDORP	0105z	12	Dec	2024	0.8m	Threat
PEDDIE	0136z	12	Dec	2024	0.6m	Threat
HEIDELBERG	0139z	12	Dec	2024	0.6m	Threat
WITAAND	0154z	12	Dec	2024	0.7m	Threat
BATHURST	0327z	12	Dec	2024	0.7m	Threat
ZIKHOVA	0516z	12	Dec	2024	0.6m	Threat
GAMTOOS	0533z	12	Dec	2024	0.6m	Threat
ALEXANDRIA	0548z	12	Dec	2024	0.7m	Threat
HANKEY	0618z	12	Dec	2024	0.7m	Threat
HUMANSDORP	0625z	12	Dec	2024	0.8m	Threat

SRI LANKA

OKANDA	0754z	11	Dec	2024	1.8m	Threat
AKKARAIPATTU	0754z	11	Dec	2024	1.9m	Threat
KIRINDA	0757z	11	Dec	2024	2.8m	Threat
BATTICALOA	0757z	11	Dec	2024	2.6m	Threat
POTTUVIL	0759z	11	Dec	2024	1.5m	Threat
ANAITIVU	0802z	11	Dec	2024	1.9m	Threat
KATTANKUDI	0806z	11	Dec	2024	2.2m	Threat
MATARA	0807z	11	Dec	2024	1.9m	Threat
PANKULAM	0807z	11	Dec	2024	2.0m	Threat
TANGALLE	0809z	11	Dec	2024	1.8m	Threat
HAMBANTOTA	0813z	11	Dec	2024	3.2m	Threat

MULLAITTIVU	0816z	11	Dec	2024	1.8m	Threat
GALLE	0819z	11	Dec	2024	1.8m	Threat
CHUNDIKKULAM	0834z	11	Dec	2024	4.1m	Threat
AMBALANGODA	0834z	11	Dec	2024	1.9m	Threat
BERUWALA	0840z	11	Dec	2024	1.4m	Threat
CHAVAKACHCHERI	0846z	11	Dec	2024	2.6m	Threat
MORATUWA	0847z	11	Dec	2024	1.4m	Threat
COLOMBO	0848z	11	Dec	2024	2.0m	Threat
POINT PEDRO	0851z	11	Dec	2024	2.1m	Threat
NEGOMBO	0908z	11	Dec	2024	1.2m	Threat
MUNDAL LAKE	0911z	11	Dec	2024	1.4m	Threat
MANNAR ISLAND	0914z	11	Dec	2024	1.5m	Threat
MUSALI	0927z	11	Dec	2024	1.2m	Threat

TANZANIA

JIMBO	1459z	11	Dec	2024	1.4m	Threat
VUMBA	1503z	11	Dec	2024	1.1m	Threat
KUTANI	1511z	11	Dec	2024	0.8m	Threat
RUVU	1511z	11	Dec	2024	1.2m	Threat
SONGO SONGO ISLAND	1513z	11	Dec	2024	1.0m	Threat
VUMBI	1515z	11	Dec	2024	1.1m	Threat
MSASANI	1515z	11	Dec	2024	1.1m	Threat
WEST TO KONDE	1526z	11	Dec	2024	1.5m	Threat
ZANZIBAR	1533z	11	Dec	2024	0.9m	Threat
BAGAMOYO	1539z	11	Dec	2024	1.3m	Threat
GAZIJA	1546z	11	Dec	2024	0.7m	Threat
BOMALANDNI	1549z	11	Dec	2024	1.1m	Threat
MADANGWA	2015z	11	Dec	2024	0.6m	Threat

THAILAND

THAI MUEANG	0711z	11	Dec	2024	2.9m	Threat
KO RACHA NOI	0714z	11	Dec	2024	3.1m	Threat
KOH SURIN TAI	0732z	11	Dec	2024	3.1m	Threat
KOH LANTA YAI	0751z	11	Dec	2024	2.2m	Threat
THAI MUEANG_TAKUA PA	0751z	11	Dec	2024	2.9m	Threat
KOH ROK	0755z	11	Dec	2024	1.7m	Threat
MUEANG SATUN	0801z	11	Dec	2024	1.8m	Threat
KOH TARUTAO	0849z	11	Dec	2024	2.9m	Threat

TIMOR-LESTE

PANTE MACASSAR	0505z	12	Dec	2024	0.6m	Threat
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UNITED ARAB EMIRATES

KALBA	1526z	11	Dec	2024	1.1m	Threat
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UNITED KINGDOM

MORESBY ISLAND	0936z	11	Dec	2024	4.1m	Threat
DIEGO GARCIA	0942z	11	Dec	2024	1.8m	Threat
NW EGMONT ISLAND	1011z	11	Dec	2024	0.9m	Threat

YEMEN

SOCOTRA ISLAND SOUTH	1318z	11	Dec	2024	1.6m	Threat
SOCOTRA ISLAND NORTH	1340z	11	Dec	2024	1.1m	Threat
SOCOTRA ISLAND WEST	1342z	11	Dec	2024	0.7m	Threat
AL GHAYDAH AIRPORT	1348z	11	Dec	2024	1.5m	Threat
HUSWAYN	1403z	11	Dec	2024	1.2m	Threat
AL MUKALLA	1447z	11	Dec	2024	1.3m	Threat
HAMI	1451z	11	Dec	2024	0.8m	Threat
DAMQAWT	1452z	11	Dec	2024	1.0m	Threat
ALQUMRAH	1538z	11	Dec	2024	0.8m	Threat

KHANFAR	1539z	11 Dec 2024	0.8m	Threat
MASILAH WADI	1541z	11 Dec 2024	0.8m	Threat
ADEN	1546z	11 Dec 2024	0.6m	Threat
HARRAH	1548z	11 Dec 2024	1.0m	Threat
MAALLAH	1604z	11 Dec 2024	1.1m	Threat
QAWAH	1608z	11 Dec 2024	0.6m	Threat
AL MUALLA	1637z	11 Dec 2024	0.6m	Threat
EAST TO HAMI	1831z	11 Dec 2024	0.8m	Threat
RUDEM	2229z	11 Dec 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/egevents.jsp>

6. CONTACT INFORMATION

IOTWMS-TSP INDIA:

INDIAN TSUNAMI EARLY WARNING CENTRE (ITEWC)

Indian National Centre for Ocean Information Services (INCOIS)

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

Hyderabad - 500 090, India

Phone: 91-40-23895011

Fax: 91-40-23895012

Email: tsunami@incois.gov.in

Web: www.incois.gov.inEND 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 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 0632 UTC Wednesday 11 December 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: 9.2 M
Depth: 10 km
Date: 11 DEC 2024
Origin Time: 0600UTC
Latitude: 3.3 N
Longitude: 95.96 E
Location: NORTHERN SUMATRA, INDONESIA

2. EVALUATION

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

Sabang (INDONESIA) 5.83 N 95.33 E 0620z 11 Dec 2024 7.5m

3. TSUNAMI THREAT FOR THE INDIAN OCEAN

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

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

AUSTRALIA

COCOS ISLAND	0832z	11 Dec 2024	0.9m	Threat		
NINGALOO COAST	1125z	11 Dec 2024	1.0m	Threat		
PILBARA COAST WEST	1150z	11 Dec 2024	1.8m	Threat		
GASCOYNE COAST	1200z	11 Dec 2024	1.7m	Threat		
PILBARA COAST EAST	1230z	11 Dec 2024	1.6m	Threat		
GERALDTON COAST	1254z	11 Dec 2024	1.9m	Threat		
LEEUEWIN COAST	1312z	11 Dec 2024	1.1m	Threat		
PERTH COAST	1539z	11 Dec 2024	1.0m	Threat		
LANCELIN COAST	1557z	11 Dec 2024	1.1m	Threat		
HEARD ISLAND AND MCDONALD ISLANDS	1618z	11 Dec 2024	1.8m	Threat		
BUNBURY GEOGRAPHE COAST	1632z	11 Dec 2024	1.8m	Threat		
AURORA BANK	1725z	11 Dec 2024	0.7m	Threat		
WEST KIMBERLY COAST	1900z	11 Dec 2024	1.3m	Threat		

NORTH KIMBERLY COAST	0204z	12	Dec	2024	0.6m	Threat
ALBANY COAST	0217z	12	Dec	2024	0.7m	Threat
EUCLA COAST	0425z	12	Dec	2024	0.6m	Threat
UPPER WEST COAST SA	0601z	12	Dec	2024	0.6m	Threat
UPPER SOUTH EAST COAST SA	0644z	12	Dec	2024	0.5m	Threat
ESPERENCE COAST	0648z	12	Dec	2024	0.5m	Threat
BANGLADESH						

CHALNA	1004z	11	Dec	2024	1.2m	Threat
COXS BAZAR	1006z	11	Dec	2024	1.8m	Threat
KUTUBDIA ISLAND	1025z	11	Dec	2024	1.5m	Threat
BARGUNA	1038z	11	Dec	2024	1.6m	Threat
COMOROS						

CHEZANI	1449z	11	Dec	2024	1.0m	Threat
DJIBOUTI						

NW ARTA	1610z	11	Dec	2024	1.5m	Threat
MUHAMMAD ALI BIN FATHA SUMANA	1614z	11	Dec	2024	0.8m	Threat
FRANCE						

LLE SAINT-PAUL-SOUTH	1318z	11	Dec	2024	0.8m	Threat
LLE SAINT-PAUL-NORTH	1327z	11	Dec	2024	0.7m	Threat
ILE KERGUELEN	1535z	11	Dec	2024	4.0m	Threat
ILE DE LA POSSESSION	1550z	11	Dec	2024	1.3m	Threat
CROZET PLATEAU	1610z	11	Dec	2024	0.9m	Threat
NES CROZET	1735z	11	Dec	2024	0.5m	Threat
INDIA						

INDIRA POINT	0602z	11	Dec	2024	7.3m	Threat
KOMATRA & KATCHAL ISLAND	0625z	11	Dec	2024	5.6m	Threat
CAR NICOBAR	0645z	11	Dec	2024	3.2m	Threat
LITTLE ANDAMAN	0702z	11	Dec	2024	7.0m	Threat
PORT BLAIR	0708z	11	Dec	2024	3.8m	Threat
BARREN ISLAND	0712z	11	Dec	2024	1.0m	Threat
HAVELOCK	0716z	11	Dec	2024	2.9m	Threat
NORTH SENTINEL ISLAND	0723z	11	Dec	2024	2.8m	Threat
RANGATH BAY	0726z	11	Dec	2024	3.0m	Threat
NARCONDAM ISLAND	0730z	11	Dec	2024	1.0m	Threat
DIGLIPUR	0731z	11	Dec	2024	1.7m	Threat
WEST & LANDFALL ISLAND	0757z	11	Dec	2024	2.0m	Threat
FLAT ISLAND	0805z	11	Dec	2024	2.6m	Threat
MARAKKANAM	0835z	11	Dec	2024	2.5m	Threat
CUDDALORE	0837z	11	Dec	2024	2.5m	Threat
PUDUCHERRY	0837z	11	Dec	2024	2.8m	Threat
POOMBUHAR	0838z	11	Dec	2024	2.5m	Threat
MAHABALIPURAM	0843z	11	Dec	2024	5.0m	Threat
NAGAPATTINAM	0846z	11	Dec	2024	4.5m	Threat
CHENNAI	0848z	11	Dec	2024	4.2m	Threat
ENNORE	0848z	11	Dec	2024	3.2m	Threat
KARAIKAL	0849z	11	Dec	2024	4.1m	Threat
SRIHARIKOTA	0850z	11	Dec	2024	2.9m	Threat
MACHILIPATNAM	0851z	11	Dec	2024	3.0m	Threat
MALLIPATTINAM	0854z	11	Dec	2024	3.0m	Threat
MUTHUPET	0855z	11	Dec	2024	3.0m	Threat
KAKINADA	0856z	11	Dec	2024	4.2m	Threat
PERUPALEM	0859z	11	Dec	2024	2.6m	Threat
NIJAMPATTANAM	0902z	11	Dec	2024	4.1m	Threat
KOTTAPATNAM	0906z	11	Dec	2024	4.7m	Threat
KALINGAPATNAM	0910z	11	Dec	2024	4.1m	Threat
VISAKHAPATNAM	0913z	11	Dec	2024	3.4m	Threat

RAMESWARAM	0915z	11	Dec	2024	1.8m	Threat
PURI	0915z	11	Dec	2024	2.0m	Threat
KONADA	0916z	11	Dec	2024	3.9m	Threat
KOTTTAIPPATTANAM	0920z	11	Dec	2024	1.8m	Threat
GOPALPUR	0921z	11	Dec	2024	3.6m	Threat
TUTICORIN	0924z	11	Dec	2024	2.9m	Threat
PARADIP	0924z	11	Dec	2024	1.7m	Threat
KOODANKULAM	0937z	11	Dec	2024	2.5m	Threat
JAMBOO	0941z	11	Dec	2024	1.8m	Threat
KANYAKUMARI	0942z	11	Dec	2024	3.3m	Threat
TRIVANDRUM	0957z	11	Dec	2024	1.7m	Threat
DHAMRA	1006z	11	Dec	2024	2.2m	Threat
HEMNAGAR	1013z	11	Dec	2024	1.7m	Threat
NAMKHANA	1016z	11	Dec	2024	1.8m	Threat
QUILON	1022z	11	Dec	2024	1.1m	Threat
CHANDIPUR	1023z	11	Dec	2024	1.8m	Threat
DIGHA	1023z	11	Dec	2024	1.9m	Threat
ALLEPPEY ALAPPUZHA	1032z	11	Dec	2024	1.2m	Threat
AGATTI	1134z	11	Dec	2024	0.8m	Threat
KARWAR	1317z	11	Dec	2024	1.2m	Threat
COCHIN	1333z	11	Dec	2024	1.2m	Threat
VADANAPPALLY	1400z	11	Dec	2024	1.0m	Threat
KANNUR	1422z	11	Dec	2024	1.5m	Threat
BEYPORE	1422z	11	Dec	2024	1.5m	Threat
MAHE	1432z	11	Dec	2024	1.1m	Threat
KAVARATTI	1443z	11	Dec	2024	0.8m	Threat
VAKKAD	1508z	11	Dec	2024	1.3m	Threat
KASARAGOD	1509z	11	Dec	2024	1.7m	Threat
UDUPI	1540z	11	Dec	2024	1.3m	Threat
VASCO	1614z	11	Dec	2024	1.0m	Threat
PANAJI	1626z	11	Dec	2024	0.9m	Threat
MALVAN BAY	1630z	11	Dec	2024	0.7m	Threat
JAIGARH	1647z	11	Dec	2024	0.9m	Threat
MANGROL	1739z	11	Dec	2024	0.6m	Threat
ALIBAG PORT	1747z	11	Dec	2024	0.8m	Threat
HAZIRA, DIU	1756z	11	Dec	2024	0.7m	Threat
DWARKA	1758z	11	Dec	2024	0.8m	Threat
JAMNAGAR	1758z	11	Dec	2024	0.8m	Threat
MANGALORE	1810z	11	Dec	2024	1.4m	Threat
MANDVI	2027z	11	Dec	2024	0.6m	Threat
MAHUVA	2127z	11	Dec	2024	0.7m	Threat
MUMBAI	2341z	11	Dec	2024	0.5m	Threat
PIPAVAV	2343z	11	Dec	2024	0.6m	Threat
KHAMBAT	2350z	11	Dec	2024	0.6m	Threat
TARAPUR	0024z	12	Dec	2024	0.9m	Threat
DAMAN	0024z	12	Dec	2024	0.8m	Threat
BORSI	0027z	12	Dec	2024	0.8m	Threat
HAZIRA	0029z	12	Dec	2024	0.8m	Threat
BHARUCH	0052z	12	Dec	2024	0.7m	Threat
PORBANDAR	0153z	12	Dec	2024	0.6m	Threat

INDONESIA

SUMUT MANDAILING-NATAL U	0602z	11	Dec	2024	4.3m	Threat
SUMUT NIAS-SELATAN P.TANABALA	0602z	11	Dec	2024	3.9m	Threat
NAD SIMEULUE P.SIMEULUE	0602z	11	Dec	2024	8.5m	Threat
NAD ACEH-SINGKIL KEP.BANYAK	0602z	11	Dec	2024	5.2m	Threat
SUMUT NIAS-SELATAN P.NIAS	0602z	11	Dec	2024	4.3m	Threat
GUNUNGSITOLI	0602z	11	Dec	2024	3.3m	Threat
MUARASIBERUT	0602z	11	Dec	2024	4.0m	Threat
SUMUT TAPANULI-TENGAH KEP.MURSALA	0602z	11	Dec	2024	10.2m	Threat
SUMUT MANDAILING-NATAL S	0602z	11	Dec	2024	4.2m	Threat
SAKUBO	0602z	11	Dec	2024	3.8m	Threat
NIAS	0602z	11	Dec	2024	3.6m	Threat
NAD ACEH-SELATAN U	0603z	11	Dec	2024	7.6m	Threat
SUMBAR KEPULAUAN-MENTAWAI P.SIBERUT	0603z	11	Dec	2024	4.4m	Threat

NAD KOTA-SABANG P.WEH	0603z	11 Dec 2024	6.7m	Threat
SUMUT NIAS-SELATAN P.TANAHMASA	0604z	11 Dec 2024	3.1m	Threat
NAD ACEH-SELATAN S	0604z	11 Dec 2024	8.6m	Threat
NAD KOTA-BANDA-ACEH	0604z	11 Dec 2024	9.5m	Threat
NIAS-EAST	0604z	11 Dec 2024	5.8m	Threat
JABAR CIAMIS	0604z	11 Dec 2024	1.8m	Threat
SUMUT NIAS B	0605z	11 Dec 2024	4.5m	Threat
NAD ACEH-BARAT-DAYA	0605z	11 Dec 2024	7.4m	Threat
MURASAI	0605z	11 Dec 2024	5.5m	Threat
SUMBAR PADANG-PARIAMAN U	0605z	11 Dec 2024	3.8m	Threat
SUMUT TAPANULI-TENGAH S	0606z	11 Dec 2024	6.3m	Threat
MUARASIGEP	0606z	11 Dec 2024	3.8m	Threat
NAD ACEH-BARAT	0607z	11 Dec 2024	11.8m	Threat
NAD ACEH-JAYA	0607z	11 Dec 2024	12.6m	Threat
NAD ACEH-BESAR P.BREUEH	0607z	11 Dec 2024	11.7m	Threat
SUMBAR AGAM	0607z	11 Dec 2024	3.7m	Threat
SUMBAR KOTA-PADANG U	0607z	11 Dec 2024	3.8m	Threat
SUMBAR KOTA-PADANG U	0607z	11 Dec 2024	5.2m	Threat
SUMBAR PADANG-PARIAMAN S	0608z	11 Dec 2024	3.2m	Threat
SUMBAR KOTA-PADANG S	0608z	11 Dec 2024	2.9m	Threat
SUMUT TAPANULI-SELATAN	0609z	11 Dec 2024	6.1m	Threat
JABAR TASIKMALAYA	0609z	11 Dec 2024	0.8m	Threat
NAD ACEH-BESAR P.PENASI	0609z	11 Dec 2024	11.4m	Threat
NAD NAGAN-RAYA	0610z	11 Dec 2024	17.1m	Threat
NAD ACEH-BESAR U	0611z	11 Dec 2024	3.6m	Threat
NAD ACEH-BESAR B	0611z	11 Dec 2024	12.4m	Threat
NIAS-NORTH	0612z	11 Dec 2024	4.0m	Threat
SUMBAR PESISIR-SELATAN U	0613z	11 Dec 2024	3.1m	Threat
SUMUT TAPANULI-TENGAH U	0614z	11 Dec 2024	8.4m	Threat
SOUTH OF BODAHAYIONE	0615z	11 Dec 2024	4.2m	Threat
NAD PIDIE	0617z	11 Dec 2024	2.2m	Threat
NAD ACEH-SINGKIL	0617z	11 Dec 2024	4.1m	Threat
SUMBAR KEPULAUAN-MENTAWAI P.SIPORA	0617z	11 Dec 2024	2.9m	Threat
SUMBAR PESISIR-SELATAN S	0625z	11 Dec 2024	3.2m	Threat
SUMBAR KEPULAUAN-MENTAWAI KEP.PAGAI	0628z	11 Dec 2024	2.3m	Threat
NAD BIREUEN	0630z	11 Dec 2024	2.0m	Threat
SUMBAR KOTA-PARIAMAN	0636z	11 Dec 2024	3.6m	Threat
BENGKULU MUKOMUKO	0637z	11 Dec 2024	2.1m	Threat
NAD KOTA-LHOKSEUMAWE	0641z	11 Dec 2024	2.1m	Threat
NAD ACEH-UTARA B	0643z	11 Dec 2024	1.8m	Threat
NAD ACEH-UTARA T	0652z	11 Dec 2024	2.3m	Threat
BENGKULU BENGKULU-UTARA U	0705z	11 Dec 2024	1.3m	Threat
NAD ACEH-TIMUR	0712z	11 Dec 2024	2.3m	Threat
BENGKULU BENGKULU-UTARA S	0722z	11 Dec 2024	2.4m	Threat
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	0733z	11 Dec 2024	1.7m	Threat
JATENG CILACAP	0733z	11 Dec 2024	1.5m	Threat
BENGKULU SELUMA	0741z	11 Dec 2024	1.4m	Threat
BENGKULU BENGKULU-UTARA P.ENGGANO	0749z	11 Dec 2024	1.0m	Threat
BENGKULU BENGKULU-SELATAN	0757z	11 Dec 2024	1.1m	Threat
NAD KOTA-LANGSA	0815z	11 Dec 2024	1.5m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	0824z	11 Dec 2024	1.0m	Threat
NAD ACEH-TAMIAH	0836z	11 Dec 2024	2.4m	Threat
LAMPUNG TANGGAMUS B	0837z	11 Dec 2024	1.6m	Threat
BENGKULU KAUR	0838z	11 Dec 2024	1.0m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	0853z	11 Dec 2024	0.8m	Threat
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	0855z	11 Dec 2024	1.0m	Threat
LAMPUNG TANGGAMUS T	0902z	11 Dec 2024	2.1m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.SEBUKU	0909z	11 Dec 2024	1.1m	Threat
LAMPUNG LAMPUNG-SELATAN KALIANDA	0912z	11 Dec 2024	2.0m	Threat
BANTEN PANDEGLANG U	0916z	11 Dec 2024	1.6m	Threat
SUMUT LANGKAT	0920z	11 Dec 2024	1.5m	Threat
BANTEN SERANG B	0928z	11 Dec 2024	1.4m	Threat
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI-PANJ*	0928z	11 Dec 2024	2.4m	Threat
JATENG KEBUMEN	0934z	11 Dec 2024	1.1m	Threat
BANTEN KOTA-CILEGON P.SANGIANG	0935z	11 Dec 2024	1.3m	Threat
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	0937z	11 Dec 2024	1.6m	Threat

BANTEN KOTA-CILEGON	0940z	11	Dec	2024	1.9m	Threat
BELAWAN	0945z	11	Dec	2024	1.1m	Threat
JATENG PURWOREJO	0952z	11	Dec	2024	0.7m	Threat
SUMUT DELISERDANG	0954z	11	Dec	2024	1.1m	Threat
DIY KULON-PROGO	0957z	11	Dec	2024	0.8m	Threat
SUMUT SERDANG-BEDAGAI	0958z	11	Dec	2024	1.4m	Threat
SUMUT ASAHAN	1015z	11	Dec	2024	1.3m	Threat
LAMPUNG TANGGAMUS P.TABUAN	1110z	11	Dec	2024	1.1m	Threat
BANTEN PANDEGLANG P.PANAITAN	1124z	11	Dec	2024	1.3m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.KRAKATAU	1141z	11	Dec	2024	1.1m	Threat
LAMPUNG LAMPUNG-SELATAN KEP.LEGUNDI	1237z	11	Dec	2024	1.1m	Threat
LAMPUNG LAMPUNG-SELATAN B	1240z	11	Dec	2024	0.8m	Threat
LABUHAN BATU	1324z	11	Dec	2024	1.5m	Threat
ROKAN HILIR	1417z	11	Dec	2024	0.8m	Threat
NTT SUMBA B	1510z	11	Dec	2024	0.7m	Threat
NTT MANGGARAI-BARAT P.	1514z	11	Dec	2024	0.7m	Threat
DUMAI	1519z	11	Dec	2024	0.9m	Threat
JABAR GARUT	1559z	11	Dec	2024	0.7m	Threat
JABAR CIANJUR SINDANGBARANG	1611z	11	Dec	2024	0.7m	Threat
DIY BANTUL	1632z	11	Dec	2024	0.7m	Threat
BALI DENPASAR PANTAI-SANUR	1652z	11	Dec	2024	1.1m	Threat
DIY GUNUNG-KIDUL	1653z	11	Dec	2024	0.9m	Threat
JATIM JEMBER	1654z	11	Dec	2024	1.1m	Threat
NTB SUMBAWA S	1706z	11	Dec	2024	0.8m	Threat
NTB LOMBOK-TENGAH	1713z	11	Dec	2024	0.7m	Threat
BENGKALIS	1735z	11	Dec	2024	0.5m	Threat
JATENG WONOGIRI	1814z	11	Dec	2024	0.9m	Threat
BANTEN LEBAK	1847z	11	Dec	2024	0.8m	Threat
JATIM JEMBER P.NUSABARUNG	1951z	11	Dec	2024	0.7m	Threat
JABAR SUKABUMI UJUNG-GENTENG	2000z	11	Dec	2024	0.8m	Threat
BANTEN PANDEGLANG S	2052z	11	Dec	2024	0.8m	Threat
JATIM BLITAR	2136z	11	Dec	2024	0.8m	Threat
JATIM PACITAN	2255z	11	Dec	2024	0.8m	Threat
JATIM TRENGGALEK	2306z	11	Dec	2024	0.7m	Threat
NTB LOMBOK-TIMUR S	2327z	11	Dec	2024	0.6m	Threat
BALI TABANAN	2348z	11	Dec	2024	0.6m	Threat
BALI KLUNGKUNG P.NUSAPENIDA	2358z	11	Dec	2024	0.7m	Threat
NTB SUMBAWA B	0003z	12	Dec	2024	0.7m	Threat
JATIM MALANG	0019z	12	Dec	2024	0.7m	Threat
NTT SUMBA T	0033z	12	Dec	2024	0.5m	Threat
JABAR SUKABUMI PELABUHAN-RATU	0100z	12	Dec	2024	0.9m	Threat
NTT KOTA-KUPANG	0113z	12	Dec	2024	0.8m	Threat
NTT MANGGARAI-BARAT S	0114z	12	Dec	2024	0.6m	Threat
NTT KUPANG	0116z	12	Dec	2024	0.7m	Threat
NTT MANGGARAI S	0116z	12	Dec	2024	0.7m	Threat
NTT NGADA S	0124z	12	Dec	2024	0.6m	Threat
NTT FLORES-TIMUR S	0125z	12	Dec	2024	0.6m	Threat
JATIM LUMAJANG	0152z	12	Dec	2024	0.7m	Threat
BALI BADUNG PANTAI-KUTA	0219z	12	Dec	2024	0.7m	Threat
JATIM TULUNGAGUNG	0234z	12	Dec	2024	0.7m	Threat
NTB KOTA-BIMA S	0446z	12	Dec	2024	0.7m	Threat
NTT LEMBATA S	0456z	12	Dec	2024	0.6m	Threat
NTT ROTENDAO	0502z	12	Dec	2024	0.6m	Threat
PANTE MACASSAR	0510z	12	Dec	2024	0.6m	Threat
NTT FLORES-TIMUR P.SOLOR	0510z	12	Dec	2024	0.6m	Threat
NTB LOMBOK-BARAT S	0658z	12	Dec	2024	0.5m	Threat

IRAN

MISKI	1643z	11	Dec	2024	1.4m	Threat
PUSHT	1818z	11	Dec	2024	0.6m	Threat
BIR	1915z	11	Dec	2024	0.6m	Threat

KENYA

KIWAYU	1440z	11	Dec	2024	1.3m	Threat
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MALINDI	1501z	11	Dec	2024	1.3m	Threat
KIPINI	1501z	11	Dec	2024	1.2m	Threat
KISIMACHANDE	1534z	11	Dec	2024	1.7m	Threat
MVULENI	1807z	11	Dec	2024	0.9m	Threat
TAKAUNGU	0628z	12	Dec	2024	0.5m	Threat
MADAGASCAR						

VOHEMAR	1353z	11	Dec	2024	1.1m	Threat
TOAMASINA AIRPORT	1411z	11	Dec	2024	1.3m	Threat
AMBAHY	1425z	11	Dec	2024	1.3m	Threat
TAMPOLO	1426z	11	Dec	2024	1.5m	Threat
FARAFAGANA	1429z	11	Dec	2024	0.8m	Threat
MANANTENINA	1442z	11	Dec	2024	1.4m	Threat
GLORIOSO ISLANDS	1446z	11	Dec	2024	1.1m	Threat
SAMPONA	1526z	11	Dec	2024	1.0m	Threat
ANOROTSANGANA	1618z	11	Dec	2024	0.7m	Threat
BALY	2032z	11	Dec	2024	1.1m	Threat
ANDROKA	0018z	12	Dec	2024	0.6m	Threat
AMBANJA	0102z	12	Dec	2024	0.7m	Threat
TAMOTAMO	0548z	12	Dec	2024	0.6m	Threat
MANJA	0632z	12	Dec	2024	0.5m	Threat
MALAYSIA						

SATUN	0858z	11	Dec	2024	1.5m	Threat
YAN	0905z	11	Dec	2024	1.6m	Threat
WEST OF ALOR SETAR	0919z	11	Dec	2024	1.6m	Threat
SEBERANG PERAI UTARA & BARAT DAYA	0934z	11	Dec	2024	2.3m	Threat
SEBERANG PERAI SELATAN	0936z	11	Dec	2024	1.7m	Threat
KUALA MUDA	0942z	11	Dec	2024	2.4m	Threat
KERIAN	0956z	11	Dec	2024	1.5m	Threat
LARUT AND MATANG	1006z	11	Dec	2024	1.3m	Threat
MANJUNG	1019z	11	Dec	2024	1.8m	Threat
HILIR PERAK	1120z	11	Dec	2024	1.6m	Threat
SABAK BERNAM	1323z	11	Dec	2024	1.2m	Threat
KUALA SELANGOR	1333z	11	Dec	2024	1.6m	Threat
KUALA LANGAT	1405z	11	Dec	2024	1.1m	Threat
SEPANG	1527z	11	Dec	2024	0.9m	Threat
PORT DICKSON	1530z	11	Dec	2024	0.9m	Threat
MELAKA TENGAH & JASIN	1730z	11	Dec	2024	0.5m	Threat
JASIN	1746z	11	Dec	2024	0.5m	Threat
MALDIVES						

MALE	0913z	11	Dec	2024	3.7m	Threat
KOLHUFUSHI	0915z	11	Dec	2024	2.5m	Threat
DHIYAMIGILI	0918z	11	Dec	2024	3.3m	Threat
HITHADHOO	0920z	11	Dec	2024	1.8m	Threat
THINADHOO	0922z	11	Dec	2024	2.2m	Threat
KULHUDUFFUSHI	0924z	11	Dec	2024	2.8m	Threat
NILANDHOO	0939z	11	Dec	2024	1.8m	Threat
GOIDHOO	0942z	11	Dec	2024	2.0m	Threat
FERIDHOO	0946z	11	Dec	2024	2.1m	Threat
MAURITIUS						

LA FERME	1153z	11	Dec	2024	1.6m	Threat
GRANDE REVIERE SUD EST-EAST	1246z	11	Dec	2024	1.1m	Threat
CARGADOS CARAJOS	1302z	11	Dec	2024	1.4m	Threat
MOZAMBIQUE						

MAGANJA	1515z	11	Dec	2024	1.1m	Threat
MERONVI	1537z	11	Dec	2024	0.9m	Threat
TAVARI	1607z	11	Dec	2024	0.6m	Threat

LUMBO	1745z	11	Dec	2024	0.9m	Threat
MALUANA	1832z	11	Dec	2024	1.0m	Threat
MAGUEMBA	1955z	11	Dec	2024	1.1m	Threat
PEMBA	1956z	11	Dec	2024	1.1m	Threat
QUITERAJÓ	2128z	11	Dec	2024	0.9m	Threat
NANGATA	2225z	11	Dec	2024	0.8m	Threat
INHARRIME	2225z	11	Dec	2024	0.8m	Threat
MOGINCUAL	2354z	11	Dec	2024	0.6m	Threat
ZAVALA	2359z	11	Dec	2024	0.8m	Threat
OCONE	0023z	12	Dec	2024	0.9m	Threat
XAI-XAI	0038z	12	Dec	2024	0.6m	Threat
MAPUTO	0100z	12	Dec	2024	0.7m	Threat
VILA DO CHINDE	0126z	12	Dec	2024	0.8m	Threat
MOEBASE	0130z	12	Dec	2024	0.6m	Threat
NHANGAU	0143z	12	Dec	2024	0.8m	Threat
NOVA LUSITANIA	0236z	12	Dec	2024	0.6m	Threat
MAIONGUE	0256z	12	Dec	2024	0.6m	Threat

MYANMAR

THAN KYUN	0735z	11	Dec	2024	2.3m	Threat
LORD LOUGHBOROUGH ISLAND	0736z	11	Dec	2024	2.5m	Threat
GREAT WESTERN TORRES ISLAND	0742z	11	Dec	2024	2.7m	Threat
LITTLE COCO ISLAND	0753z	11	Dec	2024	1.3m	Threat
PREPARIS ISLAND	0804z	11	Dec	2024	1.1m	Threat
MALI KYUN	0859z	11	Dec	2024	1.7m	Threat
KYWEGYAUNG	0900z	11	Dec	2024	2.3m	Threat
PHARPON	0906z	11	Dec	2024	1.9m	Threat
CHEDUBA ISLAND	0908z	11	Dec	2024	2.0m	Threat
MAWYEN	0913z	11	Dec	2024	2.1m	Threat
MAGYIGYAING	0914z	11	Dec	2024	2.2m	Threat
YE	0935z	11	Dec	2024	1.2m	Threat
SITTWE	0935z	11	Dec	2024	1.5m	Threat
KYAUKPYU	0937z	11	Dec	2024	1.9m	Threat
THAWINCHAUNG	0939z	11	Dec	2024	1.4m	Threat
YANGON-S	0943z	11	Dec	2024	1.8m	Threat

OMAN

HASIK	1340z	11	Dec	2024	1.1m	Threat
SALALAH	1343z	11	Dec	2024	1.1m	Threat
TAQAH	1508z	11	Dec	2024	0.5m	Threat
EAST MUSANDAM	1524z	11	Dec	2024	1.0m	Threat
AL ASHKHARAH	1654z	11	Dec	2024	0.7m	Threat
AL JAZER	1801z	11	Dec	2024	0.7m	Threat
AD DUQM	1809z	11	Dec	2024	0.9m	Threat
MIRBAT	1837z	11	Dec	2024	0.5m	Threat
MASIRAH	1924z	11	Dec	2024	0.6m	Threat
RAS AR RUWAYS	2121z	11	Dec	2024	0.8m	Threat
QURAYYAT	2215z	11	Dec	2024	0.6m	Threat
MUSCAT	0235z	12	Dec	2024	0.5m	Threat

PAKISTAN

WINDER	1805z	11	Dec	2024	1.1m	Threat
KARACHI	1823z	11	Dec	2024	0.8m	Threat
ORMARA	1836z	11	Dec	2024	0.7m	Threat
SINDH	2334z	11	Dec	2024	0.8m	Threat

SEYCHELLES

COETIVY ISLAND	1241z	11	Dec	2024	0.5m	Threat
FREGATE ISLAND	1241z	11	Dec	2024	1.4m	Threat
TAKAMAKA	1335z	11	Dec	2024	1.7m	Threat

SOMALIA

BANDER-BEYLA	1315z	11	Dec	2024	2.2m	Threat
EYL	1323z	11	Dec	2024	1.9m	Threat
TOOXIN	1323z	11	Dec	2024	3.4m	Threat
GALDOGOB	1324z	11	Dec	2024	1.9m	Threat
ITALA	1334z	11	Dec	2024	0.9m	Threat
MAREEG	1334z	11	Dec	2024	1.5m	Threat
XARARDHEERE	1335z	11	Dec	2024	1.5m	Threat
JARIIBAN	1336z	11	Dec	2024	1.1m	Threat
UARSCIECH	1336z	11	Dec	2024	1.1m	Threat
MUQDISHO	1342z	11	Dec	2024	1.4m	Threat
CEEL DHEER	1345z	11	Dec	2024	1.8m	Threat
ABO	1358z	11	Dec	2024	2.2m	Threat
JILIB	1401z	11	Dec	2024	0.9m	Threat
BARAAWE	1406z	11	Dec	2024	1.1m	Threat
NE BEERNAASI	1410z	11	Dec	2024	1.1m	Threat
KAAMBOONI	1417z	11	Dec	2024	1.1m	Threat
BEYNAX BARRE	1430z	11	Dec	2024	0.6m	Threat
LOYADO	1609z	11	Dec	2024	0.6m	Threat
SAYLAC	1611z	11	Dec	2024	0.5m	Threat
QANDALA	2248z	11	Dec	2024	0.6m	Threat

SOUTH AFRICA

LAKE SIBAYI	1724z	11	Dec	2024	0.8m	Threat
KOSIMEER	1728z	11	Dec	2024	0.7m	Threat
FUNK SEAMOUNT	1805z	11	Dec	2024	1.0m	Threat
BIZANA	1808z	11	Dec	2024	0.7m	Threat
MARSHSTRAND	1932z	11	Dec	2024	0.7m	Threat
PORT DURNFORD	2018z	11	Dec	2024	0.6m	Threat
WILLOWVALE	2056z	11	Dec	2024	0.6m	Threat
KENTANI	2056z	11	Dec	2024	0.6m	Threat
PORT ELIZABETH	2125z	11	Dec	2024	0.9m	Threat
ABORETUM	2131z	11	Dec	2024	0.6m	Threat
PORT ST JOHNS	2142z	11	Dec	2024	0.8m	Threat
LUSIKISIKI	2205z	11	Dec	2024	0.5m	Threat
KAYSERS BEACH	2225z	11	Dec	2024	0.7m	Threat
MANDI	2234z	11	Dec	2024	1.0m	Threat
MOSSEL	2327z	11	Dec	2024	0.9m	Threat
GEORGE	2344z	11	Dec	2024	0.6m	Threat
MARGATE	0030z	12	Dec	2024	0.7m	Threat
BREDASDORP	0105z	12	Dec	2024	0.8m	Threat
PEDDIE	0136z	12	Dec	2024	0.6m	Threat
HEIDELBERG	0139z	12	Dec	2024	0.6m	Threat
WITAAND	0154z	12	Dec	2024	0.7m	Threat
BATHURST	0327z	12	Dec	2024	0.7m	Threat
ZIKHOVA	0516z	12	Dec	2024	0.6m	Threat
GAMTOOS	0533z	12	Dec	2024	0.6m	Threat
ALEXANDRIA	0548z	12	Dec	2024	0.7m	Threat
HANKEY	0618z	12	Dec	2024	0.7m	Threat
HUMANSDORP	0625z	12	Dec	2024	0.8m	Threat

SRI LANKA

OKANDA	0754z	11	Dec	2024	1.8m	Threat
AKKARAIPATTU	0754z	11	Dec	2024	1.9m	Threat
KIRINDA	0757z	11	Dec	2024	2.8m	Threat
BATTICALOA	0757z	11	Dec	2024	2.6m	Threat
POTTUVIL	0759z	11	Dec	2024	1.5m	Threat
ANAITIVU	0802z	11	Dec	2024	1.9m	Threat
KATTANKUDI	0806z	11	Dec	2024	2.2m	Threat
MATARA	0807z	11	Dec	2024	1.9m	Threat
PANKULAM	0807z	11	Dec	2024	2.0m	Threat
TANGALLE	0809z	11	Dec	2024	1.8m	Threat
HAMBANTOTA	0813z	11	Dec	2024	3.2m	Threat
MULLAITTIVU	0816z	11	Dec	2024	1.8m	Threat

GALLE	0819z	11	Dec	2024	1.8m	Threat
CHUNDIKKULAM	0834z	11	Dec	2024	4.1m	Threat
AMBALANGODA	0834z	11	Dec	2024	1.9m	Threat
BERUWALA	0840z	11	Dec	2024	1.4m	Threat
CHAVAKACHCHERI	0846z	11	Dec	2024	2.6m	Threat
MORATUWA	0847z	11	Dec	2024	1.4m	Threat
COLOMBO	0848z	11	Dec	2024	2.0m	Threat
POINT PEDRO	0851z	11	Dec	2024	2.1m	Threat
NEGOMBO	0908z	11	Dec	2024	1.2m	Threat
MUNDAL LAKE	0911z	11	Dec	2024	1.4m	Threat
MANNAR ISLAND	0914z	11	Dec	2024	1.5m	Threat
MUSALI	0927z	11	Dec	2024	1.2m	Threat

TANZANIA

JIMBO	1459z	11	Dec	2024	1.4m	Threat
VUMBA	1503z	11	Dec	2024	1.1m	Threat
KUTANI	1511z	11	Dec	2024	0.8m	Threat
RUVU	1511z	11	Dec	2024	1.2m	Threat
SONGO SONGO ISLAND	1513z	11	Dec	2024	1.0m	Threat
VUMBI	1515z	11	Dec	2024	1.1m	Threat
MSASANI	1515z	11	Dec	2024	1.1m	Threat
WEST TO KONDE	1526z	11	Dec	2024	1.5m	Threat
ZANZIBAR	1533z	11	Dec	2024	0.9m	Threat
BAGAMOYO	1539z	11	Dec	2024	1.3m	Threat
GAZIJA	1546z	11	Dec	2024	0.7m	Threat
BOMALANDNI	1549z	11	Dec	2024	1.1m	Threat
MADANGWA	2015z	11	Dec	2024	0.6m	Threat

THAILAND

THAI MUEANG	0711z	11	Dec	2024	2.9m	Threat
KO RACHA NOI	0714z	11	Dec	2024	3.1m	Threat
KOH SURIN TAI	0732z	11	Dec	2024	3.1m	Threat
KOH LANTA YAI	0751z	11	Dec	2024	2.2m	Threat
THAI MUEANG_TAKUA PA	0751z	11	Dec	2024	2.9m	Threat
KOH ROK	0755z	11	Dec	2024	1.7m	Threat
MUEANG SATUN	0801z	11	Dec	2024	1.8m	Threat
KOH TARUTAO	0849z	11	Dec	2024	2.9m	Threat

TIMOR-LESTE

PANTE MACASSAR	0505z	12	Dec	2024	0.6m	Threat
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UNITED ARAB EMIRATES

KALBA	1526z	11	Dec	2024	1.1m	Threat
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UNITED KINGDOM

MORESBY ISLAND	0936z	11	Dec	2024	4.1m	Threat
DIEGO GARCIA	0942z	11	Dec	2024	1.8m	Threat
NW EGMONT ISLAND	1011z	11	Dec	2024	0.9m	Threat

YEMEN

SOCOTRA ISLAND SOUTH	1318z	11	Dec	2024	1.6m	Threat
SOCOTRA ISLAND NORTH	1340z	11	Dec	2024	1.1m	Threat
SOCOTRA ISLAND WEST	1342z	11	Dec	2024	0.7m	Threat
AL GHAYDAH AIRPORT	1348z	11	Dec	2024	1.5m	Threat
HUSWAYN	1403z	11	Dec	2024	1.2m	Threat
AL MUKALLA	1447z	11	Dec	2024	1.3m	Threat
HAMI	1451z	11	Dec	2024	0.8m	Threat
DAMQAWT	1452z	11	Dec	2024	1.0m	Threat
ALQUMRAH	1538z	11	Dec	2024	0.8m	Threat
KHANFAR	1539z	11	Dec	2024	0.8m	Threat

MASILAH WADI	1541z	11 Dec 2024	0.8m	Threat
ADEN	1546z	11 Dec 2024	0.6m	Threat
HARRAH	1548z	11 Dec 2024	1.0m	Threat
MAALLAH	1604z	11 Dec 2024	1.1m	Threat
QAWAH	1608z	11 Dec 2024	0.6m	Threat
AL MUALLA	1637z	11 Dec 2024	0.6m	Threat
EAST TO HAMI	1831z	11 Dec 2024	0.8m	Threat
RUDEM	2229z	11 Dec 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 11 December 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: 9.2 M
Depth: 10 km
Date: 11 DEC 2024
Origin Time: 0600
Latitude: 3.3 N
Longitude: 95.96 E
Location: NORTHERN SUMATRA, 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.

Sabang(INDONESIA) 5.83 N 95.33 E 0620z 11 Dec 2024 7.5m
Meulaboh(INDONESIA) 4.13 N 96.13 E 0638z 11 Dec 2024 7.0m
Telukdalam(INDONESIA) 0.55 N 97.82 E 0642z 11 Dec 2024 5.8m

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
INDIAN OCEAN TSUNAMI WARNING AND MITIGATION SYSTEM (IOTWMS) COMMUNICATION TEST
0600 UTC 11 DECEMBER 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 11 DECEMBER 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 INDONESIA Message 1

TEST TEST TEST TEST TEST CommTEST-Dec-2024 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Dec-2024 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20241211-0605-001

TSUNAMI BULLETIN NUMBER 1 (TYPE-I EARTHQUAKE BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0605 UTC, Dec 11, 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 : 9.2 Mwp
Depth : 10km
Date : 11 Dec 2024
Origin Time: 06:00:00 UTC
Latitude : 3.30N
Longitude : 95.96E
Location : Off West Coast of Northern Sumatra

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

IOC Reference: ICG/IOTWMS/COMMS/ER/Dec24

END OF BULLETIN

TEST TEST TEST TEST TEST CommTEST-Dec-2024 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Dec-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-Dec-2024 TEST TEST TEST TEST TEST TEST TEST
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TSP-InaTEWS-20241211-0615-002

TSUNAMI BULLETIN NUMBER 2 (TYPE-II THREAT ASSESSMENT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0615 UTC, Dec 11, 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 : 9.2 Mwp (REVISED)
Depth : 10km
Date : 11 Dec 2024
Origin Time: 06:00:00 UTC
Latitude : 3.30N
Longitude : 95.96E
Location : Off West Coast of Northern Sumatra

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

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

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

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

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

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

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

AUSTRALIA

COCOS ISLAND 07:51z 11Des2024 2.23m

CHRISTMAS ISLAND	08:12z	11Des2024	1.01m
NINGALOO COAST	10:20z	11Des2024	0.98m
PILBARA COAST WEST	10:56z	11Des2024	1.50m
GASCOYNE COAST	11:05z	11Des2024	1.71m
GERALDTON COAST	11:15z	11Des2024	1.49m
PILBARA COAST EAST	11:34z	11Des2024	0.90m
LANCELIN COAST	11:34z	11Des2024	1.08m
PERTH COAST	11:44z	11Des2024	1.09m
BUNBURY GEOGRAPHE COAST	11:56z	11Des2024	1.72m
LEEUEWIN COAST	12:10z	11Des2024	1.33m
HEARD ISLAND AND MCDONALD ISLANDS	15:40z	11Des2024	3.06m
AURORA BANK	15:55z	11Des2024	2.01m

BANGLADESH

KUTUBDIA ISLAND	09:56z	11Des2024	1.26m
COXS BAZAR	10:13z	11Des2024	1.51m
CHALNA	10:22z	11Des2024	0.81m
BARGUNA	10:24z	11Des2024	1.31m

COMOROS

BAMBAO	14:26z	11Des2024	1.04m
DZAOUDZI	14:33z	11Des2024	0.54m
CHEZANI	14:33z	11Des2024	1.37m
FOMBONI	14:39z	11Des2024	1.19m

DJIBOUTI

MUHAMMAD ALI BIN FATHA SUMANA	15:55z	11Des2024	0.76m
NW ARTA	15:59z	11Des2024	1.11m

FRANCE

ILE SAINT-PAUL-NORTH	12:33z	11Des2024	1.99m
ILE SAINT-PAUL-SOUTH	12:47z	11Des2024	1.57m
SAINT - JOSEPH	13:04z	11Des2024	1.49m
SAINT-DENIS	13:08z	11Des2024	1.23m
ILE KERGUELEN	15:08z	11Des2024	2.99m
NES CROZET	15:12z	11Des2024	2.20m
ILE DE LA POSSESSION	15:13z	11Des2024	2.11m
CROZET PLATEAU	15:34z	11Des2024	2.57m

INDIA

INDIRA POINT	06:05z	11Des2024	7.54m
KOMATRA AND KATCHAL ISLAND	06:23z	11Des2024	8.32m
CAR NICOBAR	06:44z	11Des2024	4.95m
LITTLE ANDAMAN	07:06z	11Des2024	4.71m
NORTH SENTINEL ISLAND	07:14z	11Des2024	3.48m
PORT BLAIR	07:18z	11Des2024	3.10m
HAVELOCK	07:25z	11Des2024	3.60m
BARREN ISLAND	07:31z	11Des2024	1.69m
RANGATH BAY	07:34z	11Des2024	2.66m
NARCONDAM ISLAND	07:39z	11Des2024	2.31m
DIGLIPUR	07:42z	11Des2024	1.69m
WEST AND LANDFALL ISLAND	07:45z	11Des2024	1.78m
FLAT ISLAND	07:46z	11Des2024	4.57m
MARAKKANAM	08:32z	11Des2024	3.27m
CUDDALORE	08:33z	11Des2024	2.75m
PUDUCHERRY	08:34z	11Des2024	4.80m

NAGAPATTINAM	08:38z	11Des2024	3.38m
POOMBUHAR	08:39z	11Des2024	2.86m
MAHABALIPURAM	08:39z	11Des2024	6.08m
ENNORE	08:40z	11Des2024	3.88m
KARAIKAL	08:42z	11Des2024	3.91m
SRIHARIKOTA	08:42z	11Des2024	3.59m
MALLIPATTINAM	08:43z	11Des2024	4.11m
MUTHUPET	08:43z	11Des2024	4.74m
CHENNAI	08:45z	11Des2024	3.52m
MACHILIPATNAM	08:46z	11Des2024	2.66m
KAKINADA	08:47z	11Des2024	3.52m
NIJAMPATTANAM	08:48z	11Des2024	3.17m
PERUPALEM	08:50z	11Des2024	2.97m
KOTTAPATNAM	08:50z	11Des2024	4.10m
KONADA	09:00z	11Des2024	3.25m
PURI	09:00z	11Des2024	2.61m
VISAKHAPATNAM	09:00z	11Des2024	4.13m
TUTICORIN	09:00z	11Des2024	2.68m
KALINGAPATNAM	09:01z	11Des2024	2.95m
PARADIP	09:02z	11Des2024	1.88m
RAMESWARAM	09:09z	11Des2024	2.22m
KOTTTAIPPATTANAM	09:09z	11Des2024	2.62m
GOPALPUR	09:09z	11Des2024	3.23m
JAMBOO	09:17z	11Des2024	1.78m
KOODANKULAM	09:20z	11Des2024	3.07m
KANYAKUMARI	09:30z	11Des2024	3.96m
TRIVANDRUM	09:36z	11Des2024	3.12m
QUILON	09:36z	11Des2024	2.63m
DHAMRA	09:42z	11Des2024	1.26m
ALLEPPEY ALAPPUZHA	09:44z	11Des2024	1.91m
MINICOY	09:45z	11Des2024	1.69m
HEMNAGAR	09:50z	11Des2024	1.09m
NAMKHANA	09:57z	11Des2024	1.37m
CHANDIPUR	09:59z	11Des2024	1.28m
DIGHA	10:00z	11Des2024	1.24m
KAVARATTI	10:12z	11Des2024	1.15m
ANDROTH	10:15z	11Des2024	1.20m
VADANAPPALLY	10:18z	11Des2024	1.63m
AMINI	10:20z	11Des2024	1.24m
AGATTI	10:23z	11Des2024	1.28m
COCHIN	10:24z	11Des2024	2.36m
VAKKAD	10:29z	11Des2024	1.26m
BEYPORE	10:58z	11Des2024	1.34m
KANNUR	11:08z	11Des2024	1.80m
MAHE	11:09z	11Des2024	1.45m
KASARAGOD	11:11z	11Des2024	1.64m
MANGALORE	11:34z	11Des2024	1.03m
UDUPI	11:47z	11Des2024	1.53m
KARWAR	12:02z	11Des2024	1.79m
VASCO	12:10z	11Des2024	1.35m
PANAJI	12:11z	11Des2024	1.08m
MALVAN BAY	12:17z	11Des2024	1.00m
JAIGARH	12:44z	11Des2024	1.17m
ALIBAG PORT	13:46z	11Des2024	0.88m
DWARKA	13:54z	11Des2024	0.86m
HAZIRA, DIU	14:36z	11Des2024	0.93m
JAMNAGAR	16:06z	11Des2024	0.74m
PORBANDAR	16:53z	11Des2024	0.77m
MANGROL	17:12z	11Des2024	0.90m
MANDVI	17:41z	11Des2024	0.67m
MUMBAI	17:45z	11Des2024	0.54m

INDONESIA

NAD SIMEULUE PULAU SIMEULUE

06:00z 11Des2024

23.45m

IOC Reference: ICG/IOTWMS/COMMS/ER/Dec24

SUMUT NIAS BAGIAN TIMUR	06:00z	11Des2024	13.48m
SUMUT NIAS-SELATAN PULAU NIAS	06:00z	11Des2024	18.69m
SUMUT NIAS BAGIAN BARAT	06:00z	11Des2024	22.62m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	06:00z	11Des2024	18.44m
SUMUT NIAS-SELATAN PULAU TANAHMASA	06:03z	11Des2024	9.15m
NAD ACEH-BESAR PULAU BREUEH	06:09z	11Des2024	18.00m
NAD KOTA-SABANG PULAU RONDO	06:10z	11Des2024	5.07m
NAD KOTA-SABANG PULAU WEH	06:13z	11Des2024	13.22m
NAD ACEH-SELATAN BAGIAN UTARA	06:14z	11Des2024	18.37m
SUMUT NIAS-SELATAN PULAU TANABALA	06:14z	11Des2024	6.78m
SUMBAR KEPULAUAN-MENTAWAI P. SIBERUT	06:14z	11Des2024	3.94m
NAD ACEH-BESAR PULAU PENAS	06:16z	11Des2024	34.31m
NAD ACEH-JAYA	06:18z	11Des2024	26.89m
NAD ACEH-BESAR BAGIAN BARAT	06:18z	11Des2024	43.27m
NAD NAGAN-RAYA	06:20z	11Des2024	20.88m
NAD KOTA-BANDA-ACEH	06:21z	11Des2024	19.88m
NAD ACEH-BESAR BAGIAN UTARA	06:22z	11Des2024	8.72m
NAD ACEH-BARAT-DAYA	06:28z	11Des2024	31.75m
NAD ACEH-SINGKIL	06:28z	11Des2024	22.25m
NAD ACEH-BARAT	06:30z	11Des2024	24.45m
NAD PIDIE	06:30z	11Des2024	10.59m
SUMUT NIAS-SELATAN PULAU PINI	06:31z	11Des2024	15.87m
SUMUT TAPANULI-TENGAH KEP. MURSALA	06:31z	11Des2024	9.85m
SUMUT TAPANULI-TENGAH BAGIAN UTARA	06:31z	11Des2024	13.63m
NAD ACEH-SELATAN BAGIAN SELATAN	06:33z	11Des2024	25.64m
SUMUT TAPANULI-SELATAN	06:40z	11Des2024	11.55m
SUMUT TAPANULI-TENGAH BAGIAN SELATAN	06:41z	11Des2024	13.58m
SUMUT MANDAILING-NATAL BAGIAN UTARA	06:42z	11Des2024	12.44m
SUMBAR KEPULAUAN-MENTAWAI PULAU SIPORA	06:45z	11Des2024	2.78m
NAD BIREUEN	06:45z	11Des2024	5.02m
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	06:50z	11Des2024	2.07m
SUMBAR KOTA-PADANG BAGIAN SELATAN	06:51z	11Des2024	8.84m
NAD ACEH-UTARA BAGIAN BARAT	06:52z	11Des2024	5.71m
NAD KOTA-LHOKSEUMAWE	06:56z	11Des2024	6.78m
SUMBAR KOTA-PADANG BAGIAN UTARA	06:57z	11Des2024	6.54m
SUMUT KOTA-SIBOLGA	07:11z	11Des2024	19.91m
NAD ACEH-UTARA BAGIAN TIMUR	07:13z	11Des2024	9.05m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	07:24z	11Des2024	18.23m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	07:25z	11Des2024	5.08m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	07:26z	11Des2024	1.77m
SUMBAR KOTA-PARIAMAN	07:27z	11Des2024	4.47m
SUMBAR AGAM	07:29z	11Des2024	6.18m
SUMBAR PESISIR-SELATAN BAGIAN UTARA	07:29z	11Des2024	3.93m
NAD ACEH-TIMUR	07:34z	11Des2024	4.86m
SUMBAR PASAMAN-BARAT	07:37z	11Des2024	12.86m
SUMBAR PESISIR-SELATAN BAGIAN SELATAN	07:37z	11Des2024	3.45m
BENGKULU MUKOMUKO	07:43z	11Des2024	4.66m
BENGKULU KAUR	07:47z	11Des2024	1.27m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	07:50z	11Des2024	2.04m
BENGKULU SELUMA	07:50z	11Des2024	3.39m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	07:51z	11Des2024	2.05m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	07:51z	11Des2024	1.96m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	07:52z	11Des2024	2.95m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	07:53z	11Des2024	3.00m
BENGKULU BENGKULU-SELATAN	07:55z	11Des2024	4.02m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	08:00z	11Des2024	3.68m
BANTEN PANDEGLANG BAGIAN SELATAN	08:00z	11Des2024	1.67m
BANTEN PANDEGLANG PULAU PANAITAN	08:01z	11Des2024	1.55m
JABAR SUKABUMI PELABUHAN-RATU	08:12z	11Des2024	2.00m
BANTEN LEBAK	08:13z	11Des2024	1.68m
LAMPUNG TANGGAMUS PULAU TABUAN	08:14z	11Des2024	2.23m
SUMBAR PADANG-PARIAMAN BAGIAN SELATAN	08:15z	11Des2024	4.42m
LAMPUNG TANGGAMUS BAGIAN TIMUR	08:15z	11Des2024	1.84m
LAMPUNG LAMPUNG-SELATAN KEP. LEGUNDI	08:16z	11Des2024	2.13m
LAMPUNG TANGGAMUS BAGIAN BARAT	08:19z	11Des2024	3.29m
JABAR SUKABUMI UJUNG-GENTENG	08:20z	11Des2024	1.01m

LAMPUNG LAMPUNG-SELATAN KEP. KRAKATAU	08:21z	11Des2024	1.87m
LAMPUNG LAMPUNG-SELATAN KEP. SEBUKU	08:30z	11Des2024	2.81m
JABAR CIANJUR SINDANGBARANG	08:31z	11Des2024	1.35m
BANTEN PANDEGLANG BAGIAN UTARA	08:31z	11Des2024	1.31m
JABAR GARUT	08:31z	11Des2024	0.89m
JABAR TASIKMALAYA	08:38z	11Des2024	1.65m
JABAR CIAMIS	08:48z	11Des2024	1.13m
BANTEN SERANG BAGIAN BARAT	08:54z	11Des2024	1.23m
NAD KOTA-LANGSA	08:57z	11Des2024	5.36m
LAMPUNG LAMPUNG-SELATAN KALIANDA	08:58z	11Des2024	1.95m
NAD ACEH-TAMIAN	08:58z	11Des2024	4.97m
LAMPUNG LAMPUNG-SELATAN BAKAUHENTI	09:01z	11Des2024	0.80m
DIY GUNUNG-KIDUL	09:06z	11Des2024	1.13m
DIY BANTUL	09:08z	11Des2024	1.54m
JATENG CILACAP	09:08z	11Des2024	1.86m
JATENG KEBUMEN	09:09z	11Des2024	1.75m
DIY KULON-PROGO	09:10z	11Des2024	1.05m
JATENG WONOGIRI	09:11z	11Des2024	1.24m
JATENG PURWOREJO	09:15z	11Des2024	2.22m
BANTEN KOTA-CILEGON PULAU SANGIA	09:17z	11Des2024	0.76m
JATIM PACITAN	09:18z	11Des2024	1.33m
JATIM TRENGGALEK	09:23z	11Des2024	0.96m
JATIM TULUNGAGUNG	09:24z	11Des2024	0.98m
JATIM BLITAR	09:29z	11Des2024	0.90m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI PANJANG	09:33z	11Des2024	2.86m
LAMPUNG LAMPUNG-SELATAN BAGIAN BARAT	09:34z	11Des2024	1.92m
BANTEN KOTA-CILEGON	09:40z	11Des2024	1.18m
JATIM JEMBER PULAU NUSABARUNG	09:45z	11Des2024	0.90m
JATIM JEMBER	09:51z	11Des2024	1.35m
SUMUT LANGKAT	09:57z	11Des2024	3.40m
SUMUT KOTA-MEDAN	10:22z	11Des2024	4.82m
SUMUT DELISERDANG	10:24z	11Des2024	2.15m
JATIM BANYUWANGI BAGIAN TIMUR	10:37z	11Des2024	0.70m
BALI JEMBRANA	10:46z	11Des2024	0.93m
SUMUT SERDANG-BEDAGAI	10:52z	11Des2024	2.93m
SUMUT ASAHAN	11:23z	11Des2024	1.90m
NTT LEMBATA BAGIAN SELATAN	11:39z	11Des2024	0.52m
NTT ALOR BAGIAN SELATAN	11:50z	11Des2024	0.53m
BALI BADUNG PANTAI-KUTA	11:51z	11Des2024	0.80m
NTT KEPULAUAN MANGGARAI-BARAT	12:28z	11Des2024	0.82m
SUMUT LABUHANBATU	12:57z	11Des2024	1.45m
JATIM MALANG	13:07z	11Des2024	0.78m
NTB DOMPU BAGIAN SELATAN	13:32z	11Des2024	1.25m
RIAU ROKAN-HILIR	14:21z	11Des2024	1.47m
NTB SUMBAWA BAGIAN SELATAN	14:32z	11Des2024	0.62m
NTT MANGGARAI-BARAT BAGIAN SELATAN	14:36z	11Des2024	0.82m
NTT SUMBA BAGIAN BARAT	14:39z	11Des2024	0.84m
NTT SUMBA BAGIAN TIMUR	14:40z	11Des2024	0.58m
NTB KOTA-BIMA BAGIAN SELATAN	14:45z	11Des2024	0.62m
JATIM BANYUWANGI BAGIAN SELATAN	15:34z	11Des2024	0.53m
NTB LOMBOK-TENGAH	15:45z	11Des2024	0.72m
NTB LOMBOK-TIMUR BAGIAN SELATAN	15:52z	11Des2024	0.87m
NTB LOMBOK-TIMUR BAGIAN TIMUR	15:58z	11Des2024	0.81m
NTB LOMBOK-BARAT BAGIAN SELATAN	16:05z	11Des2024	0.73m
BALI TABANAN	16:09z	11Des2024	0.93m
RIAU BENGKALIS	16:12z	11Des2024	0.72m
NTT MANGGARAI BAGIAN SELATAN	16:27z	11Des2024	0.60m
NTB SUMBAWA BAGIAN BARAT	16:44z	11Des2024	0.90m
JATIM LUMAJANG	16:49z	11Des2024	0.79m
BALI DENPASAR PANTAI-SANUR	16:53z	11Des2024	0.69m
BALI KARANG-ASEM BAGIAN SELATAN	16:59z	11Des2024	0.55m
BALI KLUNGKUNG	17:02z	11Des2024	0.69m
NTB KOTA-MATARAM	17:03z	11Des2024	0.68m
BALI KLUNGKUNG PULAU NUSAPENIDA	17:04z	11Des2024	0.54m

IRAN

PUSHT	13:55z	11Des2024	0.87m
BIR	14:07z	11Des2024	0.55m
MISKI	15:29z	11Des2024	0.60m

KENYA

KIWAYU	14:21z	11Des2024	1.76m
KIPINI	14:47z	11Des2024	1.18m
MALINDI	14:47z	11Des2024	1.61m
MVULENI	14:49z	11Des2024	1.28m
TAKAUNGU	14:49z	11Des2024	1.66m
KISIMACHANDE	14:51z	11Des2024	1.31m

MADAGASCAR

VOHEMAR	13:37z	11Des2024	2.98m
ANOROTSANGANA	13:38z	11Des2024	1.44m
TOAMASINA AIRPORT	13:55z	11Des2024	1.59m
TAMPOLO	13:57z	11Des2024	2.52m
GLORIOSO ISLANDS	14:06z	11Des2024	0.73m
AMBAHY	14:09z	11Des2024	2.82m
FARAFAGANA	14:14z	11Des2024	4.28m
MANANTENINA	14:24z	11Des2024	3.18m
BALY	14:56z	11Des2024	0.57m
SAMPONA	14:59z	11Des2024	3.13m
ANDROKA	15:23z	11Des2024	0.65m
EUROPA ISLAND	15:54z	11Des2024	0.61m
AMBANJA	16:31z	11Des2024	0.72m
MANJA	16:37z	11Des2024	0.51m

MALAYSIA

SATUN	09:11z	11Des2024	2.56m
YAN	09:13z	11Des2024	2.45m
WEST OF ALOR SETAR	09:23z	11Des2024	2.56m
SEBERANG PERAI UTARA AND BARAT DAYA	09:43z	11Des2024	4.01m
SEBERANG PERAI SELATAN	09:44z	11Des2024	3.06m
KUALA MUDA	09:49z	11Des2024	2.36m
KERIAN	10:01z	11Des2024	3.04m
LARUT AND MATANG	10:09z	11Des2024	2.64m
MANJUNG	10:22z	11Des2024	2.33m
HILIR PERAK	11:01z	11Des2024	1.74m
SABAK BERNAM	13:00z	11Des2024	2.04m
KUALA SELANGOR	13:33z	11Des2024	1.15m
KUALA LANGAT	14:27z	11Des2024	0.82m
SEPANG	16:25z	11Des2024	0.82m

MALDIVES

MALE	09:16z	11Des2024	3.87m
KOLHUFUSHI	09:17z	11Des2024	3.79m
KULHUDUFFUSHI	09:18z	11Des2024	3.77m
DHIYAMIGILI	09:18z	11Des2024	3.67m
THINADHOO	09:20z	11Des2024	3.83m
HITHADHOO	09:23z	11Des2024	5.29m
GOIDHOO	09:31z	11Des2024	2.52m
NILANDHOO	09:36z	11Des2024	3.16m
FERIDHOO	09:38z	11Des2024	2.25m

MAURITIUS

LA FERME	11:51z	11Des2024	4.62m
CARGADOS CARAJOS	12:23z	11Des2024	5.70m
AGALEGA ISLAND	12:32z	11Des2024	1.85m
GRANDE REVIERE SUD EST-EAST	12:38z	11Des2024	2.99m
GRANDE REVIERE SUD EST-WEST	12:51z	11Des2024	2.09m

MOZAMBIQUE

MAGANJA	14:53z	11Des2024	1.64m
MERONVI	15:03z	11Des2024	0.96m
QUITERAJÓ	15:07z	11Des2024	0.69m
TAVARI	15:09z	11Des2024	0.73m
PEMBA	15:11z	11Des2024	0.98m
MECUFI	15:16z	11Des2024	1.41m
MURREBUE	15:16z	11Des2024	0.71m
NANGATA	15:17z	11Des2024	1.38m
LURIO	15:18z	11Des2024	0.88m
LUMBO	15:20z	11Des2024	0.83m
MINHAUINE	15:23z	11Des2024	2.13m
MOGINCUAL	15:31z	11Des2024	0.62m
INHARRIME	16:23z	11Des2024	1.17m
POMENE	16:37z	11Des2024	1.34m
VILANKULO	16:41z	11Des2024	1.01m
MAGUEMBA	16:47z	11Des2024	0.87m
ZAVALA	16:56z	11Des2024	1.46m
INHASSORO	16:58z	11Des2024	0.66m
MAPUTO	17:00z	11Des2024	1.70m
NAMORRE	17:02z	11Des2024	0.66m
XAI-XAI	17:03z	11Des2024	1.60m
OCONE	17:07z	11Des2024	0.65m
AMADE	17:12z	11Des2024	0.58m
MALUANA	17:13z	11Des2024	1.14m
VILA DO CHINDE	17:38z	11Des2024	0.93m
NHANGAU	17:42z	11Des2024	0.58m
MAIONGUE	17:56z	11Des2024	0.79m

MYANMAR

THAN KYUN	07:42z	11Des2024	3.80m
LORD LOUGHBOROUGH ISLAND	07:45z	11Des2024	3.04m
GREAT WESTERN TORRES ISLAND	07:49z	11Des2024	1.82m
LITTLE COCO ISLAND	08:03z	11Des2024	1.75m
PREPARIS ISLAND	08:15z	11Des2024	2.06m
KYWEGYAUNG	08:48z	11Des2024	1.75m
CHEDUBA ISLAND	08:51z	11Des2024	1.64m
MALI KYUN	09:05z	11Des2024	1.55m
PHARPON	09:08z	11Des2024	1.01m
SITTWE	09:19z	11Des2024	1.36m
MAWYEN	09:23z	11Des2024	1.43m
MAGYIGYAING	09:27z	11Des2024	2.76m
KYAUKPYU	09:30z	11Des2024	1.25m
YE	09:33z	11Des2024	1.08m
YANGON-S	09:33z	11Des2024	0.81m
THAWINCHAUNG	09:47z	11Des2024	1.39m

OMAN

HASIK	13:09z	11Des2024	1.88m
AD DUQM	13:11z	11Des2024	0.98m
MIRBAT	13:17z	11Des2024	1.73m
TAQAH	13:21z	11Des2024	2.19m

AL JAZER	13:23z	11Des2024	1.12m
RAS AR RUWAYS	13:24z	11Des2024	1.27m
AL ASHKHARAH	13:25z	11Des2024	0.87m
SALALAH	13:27z	11Des2024	2.40m
SUR	14:27z	11Des2024	0.85m
SOHAR	14:45z	11Des2024	0.50m
EAST MUSANDAM	15:07z	11Des2024	0.80m
MASIRAH	15:19z	11Des2024	0.67m
QURAYYAT	17:52z	11Des2024	0.58m

PAKISTAN

ORMARA	13:47z	11Des2024	0.84m
WINDER	14:01z	11Des2024	0.65m
KARACHI	14:31z	11Des2024	0.56m

SEYCHELLES

FREGATE ISLAND	12:20z	11Des2024	3.44m
COETIVY ISLAND	12:27z	11Des2024	2.74m
TAKAMAKA	12:40z	11Des2024	3.03m
ILE DESROCHES	12:51z	11Des2024	1.66m
ALPHONSE ISLAND	13:00z	11Des2024	1.15m
FARQUHAR GROUP	13:15z	11Des2024	1.46m
ASTOVE ISLAND	13:49z	11Des2024	0.87m
ALDABRA	14:00z	11Des2024	1.29m

SOMALIA

BANDER-BEYLA	13:16z	11Des2024	3.26m
TOOXIN	13:21z	11Des2024	2.99m
EYL	13:21z	11Des2024	3.62m
GALDOGOB	13:24z	11Des2024	2.84m
JARIIBAN	13:28z	11Des2024	3.82m
XARARDHEERE	13:33z	11Des2024	3.28m
CEEL DHEER	13:33z	11Des2024	2.95m
ITALA	13:35z	11Des2024	2.55m
MAREEG	13:35z	11Des2024	2.00m
UARSCIECH	13:41z	11Des2024	2.42m
ABO	13:41z	11Des2024	2.42m
MUQDISHO	13:46z	11Des2024	2.34m
BEYNAX BARRE	13:53z	11Des2024	2.55m
BARAAWE	13:58z	11Des2024	2.52m
JILIB	14:07z	11Des2024	2.40m
TURDHO	14:09z	11Des2024	2.40m
NE BEERNAASI	14:12z	11Des2024	2.13m
KAAMBOONI	14:20z	11Des2024	1.71m
QANDALA	14:20z	11Des2024	0.87m
SAYLAC	15:52z	11Des2024	0.71m
LOYADO	15:59z	11Des2024	0.85m
HADAAFTIMO	17:35z	11Des2024	0.56m

SOUTH AFRICA

GWABALANDA HITAWI	16:44z	11Des2024	1.71m
PORT DURNFORD	16:46z	11Des2024	1.59m
LAKE SIBAYI	16:46z	11Des2024	1.55m
KOSIMEER	16:48z	11Des2024	1.51m
FUNK SEAMOUNT	16:53z	11Des2024	1.52m
KELSO	16:57z	11Des2024	1.28m
MARGATE	16:58z	11Des2024	1.34m
MANDI	16:58z	11Des2024	1.47m

BIZANA	17:00z	11Des2024	1.02m
LUSIKISIKI	17:02z	11Des2024	1.62m
ABORETUM	17:02z	11Des2024	1.86m
PORT ST JOHNS	17:08z	11Des2024	1.24m
NGQUELENI	17:12z	11Des2024	1.39m
ELLIOTDALE	17:15z	11Des2024	1.66m
WILLOWVALE	17:19z	11Des2024	2.00m
KENTANI	17:22z	11Des2024	1.95m
MARSHSTRAND	17:29z	11Des2024	2.30m
KAYSERS BEACH	17:30z	11Des2024	2.41m
ZIKHOVA	17:32z	11Des2024	2.23m
PEDDIE	17:37z	11Des2024	2.17m
BATHURST	17:48z	11Des2024	2.13m
ALEXANDRIA	17:49z	11Des2024	1.95m

SRI LANKA

BATTICALOA	07:54z	11Des2024	6.40m
AKKARAI PATTU	07:55z	11Des2024	4.57m
KIRINDA	07:56z	11Des2024	4.84m
OKANDA	08:02z	11Des2024	8.49m
POTTUVIL	08:04z	11Des2024	8.22m
KATTANKUDI	08:04z	11Des2024	4.50m
ANAITIVU	08:06z	11Des2024	2.02m
PANKULAM	08:06z	11Des2024	3.99m
TANGALLE	08:08z	11Des2024	3.59m
MATARA	08:09z	11Des2024	4.95m
MULLAITTIVU	08:13z	11Des2024	4.29m
HAMBANTOTA	08:13z	11Des2024	8.44m
AMBALANGODA	08:18z	11Des2024	4.00m
GALLE	08:19z	11Des2024	6.96m
CHUNDIKKULAM	08:29z	11Des2024	3.77m
BERUWALA	08:32z	11Des2024	3.84m
COLOMBO	08:33z	11Des2024	2.48m
MORATUWA	08:36z	11Des2024	3.11m
CHAVAKACHCHERI	08:37z	11Des2024	2.55m
POINT PEDRO	08:38z	11Des2024	4.33m
NEGOMBO	08:41z	11Des2024	2.70m
MUNDAL LAKE	08:47z	11Des2024	2.40m
MANNAR ISLAND	08:52z	11Des2024	1.90m
MUSALI	09:10z	11Des2024	1.85m

TANZANIA

VUMBA	14:42z	11Des2024	1.06m
VUMBI	14:43z	11Des2024	1.09m
ZANZIBAR	14:48z	11Des2024	1.20m
JIMBO	14:50z	11Des2024	1.47m
GAZIJA	14:52z	11Des2024	1.25m
MADANGWA	14:52z	11Des2024	2.17m
SONGO SONGO ISLAND	14:54z	11Des2024	1.21m
KUTANI	14:56z	11Des2024	1.67m
RUUVU	14:56z	11Des2024	1.28m
MSASANI	15:02z	11Des2024	0.86m
BOMALANDNI	15:07z	11Des2024	0.84m
WEST TO KONDE	15:10z	11Des2024	0.83m
BAGAMOYO	15:11z	11Des2024	0.83m

THAILAND

THAI MUEANG	07:20z	11Des2024	5.42m
KO RACHA NOI	07:25z	11Des2024	5.92m
KOH SURIN TAI	07:47z	11Des2024	5.01m

KOH LANTA YAI	08:02z 11Des2024	3.37m
KOH ROK	08:06z 11Des2024	3.38m
THAI MUEANG TAKUA PA	08:06z 11Des2024	5.99m
MUEANG SATUN	08:11z 11Des2024	3.72m
KOH TARUTAO	09:12z 11Des2024	5.94m

UNITED ARAB EMIRATES

KALBA	14:48z 11Des2024	0.53m
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UNITED KINGDOM

MORESBY ISLAND	09:43z 11Des2024	6.01m
DIEGO GARCIA	09:46z 11Des2024	8.38m
NW EGMONT ISLAND	10:05z 11Des2024	5.31m

YEMEN

SOCOTRA ISLAND SOUTH	12:59z 11Des2024	3.66m
SOCOTRA ISLAND NORTH	13:13z 11Des2024	2.20m
SOCOTRA ISLAND WEST	13:27z 11Des2024	1.52m
DAMQAWT	13:32z 11Des2024	2.98m
AL GHAYDAH AIRPORT	13:39z 11Des2024	2.21m
HUSWAYN	13:48z 11Des2024	2.33m
ALQUMRAH	13:55z 11Des2024	2.31m
MASILAH WADI	14:05z 11Des2024	1.88m
HARRAH	14:12z 11Des2024	1.00m
EAST TO HAMI	14:26z 11Des2024	0.86m
AL MUKALLA	14:34z 11Des2024	1.62m
HAMI	14:35z 11Des2024	1.18m
RUDUM	14:38z 11Des2024	0.71m
KHANFAR	15:10z 11Des2024	0.61m
ADEN	15:26z 11Des2024	0.68m
MAALLAH	15:34z 11Des2024	0.68m
QAWAH	15:52z 11Des2024	0.72m
AL MUALLA	16:09z 11Des2024	0.86m

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>

IOC Reference: ICG/IOTWMS/COMMS/ER/Dec24

E-Mail: inartsp@bmkgo.id
monitrtp@bmkgo.id

END OF BULLETIN

TEST TEST TEST TEST TEST CommTEST-Dec-2024 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Dec-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-Dec-2024 TEST TEST TEST TEST TEST TEST TEST
TEST TEST TEST TEST TEST CommTEST-Dec-2024 TEST TEST TEST TEST TEST TEST TEST
TSP-InaTEWS-20241211-0630-003

TSUNAMI BULLETIN NUMBER 3 (TYPE-III CONFIRMED THREAT BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0630 UTC, Dec 11, 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 : 9.2 Mwp (REVISED)
Depth : 10km
Date : 11 Dec 2024
Origin Time: 06:00:00 UTC
Latitude : 3.30N
Longitude : 95.96E
Location : Off West Coast of Northern Sumatra

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
TELUKDALAM	INDONESIA	00.55N	97.82E	18.7	06:00	Dec 06, 2024
SABANG	INDONESIA	05.83N	95.33E	06.1	06:18	Dec 06, 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

COCOS ISLAND	07:51z	11Des2024	2.23m
CHRISTMAS ISLAND	08:12z	11Des2024	1.01m
NINGALOO COAST	10:20z	11Des2024	0.98m
PILBARA COAST WEST	10:56z	11Des2024	1.50m
GASCOYNE COAST	11:05z	11Des2024	1.71m
GERALDTON COAST	11:15z	11Des2024	1.49m
PILBARA COAST EAST	11:34z	11Des2024	0.90m
LANCELIN COAST	11:34z	11Des2024	1.08m
PERTH COAST	11:44z	11Des2024	1.09m
BUNBURY GEOGRAPHE COAST	11:56z	11Des2024	1.72m
LEEUEWIN COAST	12:10z	11Des2024	1.33m
HEARD ISLAND AND MCDONALD ISLANDS	15:40z	11Des2024	3.06m
AURORA BANK	15:55z	11Des2024	2.01m

BANGLADESH

KUTUBDIA ISLAND	09:56z	11Des2024	1.26m
COXS BAZAR	10:13z	11Des2024	1.51m
CHALNA	10:22z	11Des2024	0.81m
BARGUNA	10:24z	11Des2024	1.31m

COMOROS

BAMBAO	14:26z	11Des2024	1.04m
DZAOUDZI	14:33z	11Des2024	0.54m
CHEZANI	14:33z	11Des2024	1.37m
FOMBONI	14:39z	11Des2024	1.19m

DJIBOUTI

MUHAMMAD ALI BIN FATHA SUMANA	15:55z	11Des2024	0.76m
NW ARTA	15:59z	11Des2024	1.11m

FRANCE

ILE SAINT-PAUL-NORTH	12:33z	11Des2024	1.99m
ILE SAINT-PAUL-SOUTH	12:47z	11Des2024	1.57m
SAINT - JOSEPH	13:04z	11Des2024	1.49m
SAINT-DENIS	13:08z	11Des2024	1.23m
ILE KERGUELEN	15:08z	11Des2024	2.99m
NES CROZET	15:12z	11Des2024	2.20m
ILE DE LA POSSESSION	15:13z	11Des2024	2.11m
CROZET PLATEAU	15:34z	11Des2024	2.57m

INDIA

INDIRA POINT	06:05z	11Des2024	7.54m
KOMATRA AND KATCHAL ISLAND	06:23z	11Des2024	8.32m
CAR NICOBAR	06:44z	11Des2024	4.95m
LITTLE ANDAMAN	07:06z	11Des2024	4.71m
NORTH SENTINEL ISLAND	07:14z	11Des2024	3.48m
PORT BLAIR	07:18z	11Des2024	3.10m
HAVELOCK	07:25z	11Des2024	3.60m
BARREN ISLAND	07:31z	11Des2024	1.69m
RANGATH BAY	07:34z	11Des2024	2.66m
NARCONDAM ISLAND	07:39z	11Des2024	2.31m
DIGLIPUR	07:42z	11Des2024	1.69m
WEST AND LANDFALL ISLAND	07:45z	11Des2024	1.78m
FLAT ISLAND	07:46z	11Des2024	4.57m
MARAKKANAM	08:32z	11Des2024	3.27m

CUDDALORE	08:33z	11Des2024	2.75m
PUDUCHERRY	08:34z	11Des2024	4.80m
NAGAPATTINAM	08:38z	11Des2024	3.38m
POOMBUHAR	08:39z	11Des2024	2.86m
MAHABALIPURAM	08:39z	11Des2024	6.08m
ENNORE	08:40z	11Des2024	3.88m
KARAIKAL	08:42z	11Des2024	3.91m
SRIHARIKOTA	08:42z	11Des2024	3.59m
MALLIPATTINAM	08:43z	11Des2024	4.11m
MUTHUPET	08:43z	11Des2024	4.74m
CHENNAI	08:45z	11Des2024	3.52m
MACHILIPATNAM	08:46z	11Des2024	2.66m
KAKINADA	08:47z	11Des2024	3.52m
NIJAMPATTANAM	08:48z	11Des2024	3.17m
PERUPALEM	08:50z	11Des2024	2.97m
KOTTAPATNAM	08:50z	11Des2024	4.10m
KONADA	09:00z	11Des2024	3.25m
PURI	09:00z	11Des2024	2.61m
VISAKHAPATNAM	09:00z	11Des2024	4.13m
TUTICORIN	09:00z	11Des2024	2.68m
KALINGAPATNAM	09:01z	11Des2024	2.95m
PARADIP	09:02z	11Des2024	1.88m
RAMESWARAM	09:09z	11Des2024	2.22m
KOTTTAIPPATTANAM	09:09z	11Des2024	2.62m
GOPALPUR	09:09z	11Des2024	3.23m
JAMBOO	09:17z	11Des2024	1.78m
KOODANKULAM	09:20z	11Des2024	3.07m
KANYAKUMARI	09:30z	11Des2024	3.96m
TRIVANDRUM	09:36z	11Des2024	3.12m
QUILON	09:36z	11Des2024	2.63m
DHAMRA	09:42z	11Des2024	1.26m
ALLEPPEY ALAPPUZHA	09:44z	11Des2024	1.91m
MINICOY	09:45z	11Des2024	1.69m
HEMNAGAR	09:50z	11Des2024	1.09m
NAMKHANA	09:57z	11Des2024	1.37m
CHANDIPUR	09:59z	11Des2024	1.28m
DIGHA	10:00z	11Des2024	1.24m
KAVARATTI	10:12z	11Des2024	1.15m
ANDROTH	10:15z	11Des2024	1.20m
VADANAPPALLY	10:18z	11Des2024	1.63m
AMINI	10:20z	11Des2024	1.24m
AGATTI	10:23z	11Des2024	1.28m
COCHIN	10:24z	11Des2024	2.36m
VAKKAD	10:29z	11Des2024	1.26m
BEYPORE	10:58z	11Des2024	1.34m
KANNUR	11:08z	11Des2024	1.80m
MAHE	11:09z	11Des2024	1.45m
KASARAGOD	11:11z	11Des2024	1.64m
MANGALORE	11:34z	11Des2024	1.03m
UDUPI	11:47z	11Des2024	1.53m
KARWAR	12:02z	11Des2024	1.79m
VASCO	12:10z	11Des2024	1.35m
PANAJI	12:11z	11Des2024	1.08m
MALVAN BAY	12:17z	11Des2024	1.00m
JAIGARH	12:44z	11Des2024	1.17m
ALIBAG PORT	13:46z	11Des2024	0.88m
DWARKA	13:54z	11Des2024	0.86m
HAZIRA, DIU	14:36z	11Des2024	0.93m
JAMNAGAR	16:06z	11Des2024	0.74m
PORBANDAR	16:53z	11Des2024	0.77m
MANGROL	17:12z	11Des2024	0.90m
MANDVI	17:41z	11Des2024	0.67m
MUMBAI	17:45z	11Des2024	0.54m

INDONESIA

NAD SIMEULUE PULAU SIMEULUE	06:00z	11Des2024	23.45m
SUMUT NIAS BAGIAN TIMUR	06:00z	11Des2024	13.48m
SUMUT NIAS-SELATAN PULAU NIAS	06:00z	11Des2024	18.69m
SUMUT NIAS BAGIAN BARAT	06:00z	11Des2024	22.62m
NAD ACEH-SINGKIL KEPULAUAN BANYAK	06:00z	11Des2024	18.44m
SUMUT NIAS-SELATAN PULAU TANAHMASA	06:03z	11Des2024	9.15m
NAD ACEH-BESAR PULAU BREUEH	06:09z	11Des2024	18.00m
NAD KOTA-SABANG PULAU RONDO	06:10z	11Des2024	5.07m
NAD KOTA-SABANG PULAU WEH	06:13z	11Des2024	13.22m
NAD ACEH-SELATAN BAGIAN UTARA	06:14z	11Des2024	18.37m
SUMUT NIAS-SELATAN PULAU TANABALA	06:14z	11Des2024	6.78m
SUMBAR KEPULAUAN-MENTAWAI P. SIBERUT	06:14z	11Des2024	3.94m
NAD ACEH-BESAR PULAU PENAS	06:16z	11Des2024	34.31m
NAD ACEH-JAYA	06:18z	11Des2024	26.89m
NAD ACEH-BESAR BAGIAN BARAT	06:18z	11Des2024	43.27m
NAD NAGAN-RAYA	06:20z	11Des2024	20.88m
NAD KOTA-BANDA-ACEH	06:21z	11Des2024	19.88m
NAD ACEH-BESAR BAGIAN UTARA	06:22z	11Des2024	8.72m
NAD ACEH-BARAT-DAYA	06:28z	11Des2024	31.75m
NAD ACEH-SINGKIL	06:28z	11Des2024	22.25m
NAD ACEH-BARAT	06:30z	11Des2024	24.45m
NAD PIDIE	06:30z	11Des2024	10.59m
SUMUT NIAS-SELATAN PULAU PINI	06:31z	11Des2024	15.87m
SUMUT TAPANULI-TENGAH KEP. MURSALA	06:31z	11Des2024	9.85m
SUMUT TAPANULI-TENGAH BAGIAN UTARA	06:31z	11Des2024	13.63m
NAD ACEH-SELATAN BAGIAN SELATAN	06:33z	11Des2024	25.64m
SUMUT TAPANULI-SELATAN	06:40z	11Des2024	11.55m
SUMUT TAPANULI-TENGAH BAGIAN SELATAN	06:41z	11Des2024	13.58m
SUMUT MANDAILING-NATAL BAGIAN UTARA	06:42z	11Des2024	12.44m
SUMBAR KEPULAUAN-MENTAWAI PULAU SIPORA	06:45z	11Des2024	2.78m
NAD BIREUEN	06:45z	11Des2024	5.02m
SUMBAR KEPULAUAN-MENTAWAI KEP. PAGAI	06:50z	11Des2024	2.07m
SUMBAR KOTA-PADANG BAGIAN SELATAN	06:51z	11Des2024	8.84m
NAD ACEH-UTARA BAGIAN BARAT	06:52z	11Des2024	5.71m
NAD KOTA-LHOKSEUMAWE	06:56z	11Des2024	6.78m
SUMBAR KOTA-PADANG BAGIAN UTARA	06:57z	11Des2024	6.54m
SUMUT KOTA-SIBOLGA	07:11z	11Des2024	19.91m
NAD ACEH-UTARA BAGIAN TIMUR	07:13z	11Des2024	9.05m
SUMUT MANDAILING-NATAL BAGIAN SELATAN	07:24z	11Des2024	18.23m
SUMBAR PADANG-PARIAMAN BAGIAN UTARA	07:25z	11Des2024	5.08m
BENGKULU BENGKULU-UTARA PULAU ENGGANO	07:26z	11Des2024	1.77m
SUMBAR KOTA-PARIAMAN	07:27z	11Des2024	4.47m
SUMBAR AGAM	07:29z	11Des2024	6.18m
SUMBAR PESISIR-SELATAN BAGIAN UTARA	07:29z	11Des2024	3.93m
NAD ACEH-TIMUR	07:34z	11Des2024	4.86m
SUMBAR PASAMAN-BARAT	07:37z	11Des2024	12.86m
SUMBAR PESISIR-SELATAN BAGIAN SELATAN	07:37z	11Des2024	3.45m
BENGKULU MUKOMUKO	07:43z	11Des2024	4.66m
BENGKULU KAUR	07:47z	11Des2024	1.27m
LAMPUNG LAMPUNG-BARAT PESISIR-UTARA	07:50z	11Des2024	2.04m
BENGKULU SELUMA	07:50z	11Des2024	3.39m
LAMPUNG LAMPUNG-BARAT PESISIR-TENGAH	07:51z	11Des2024	2.05m
LAMPUNG LAMPUNG-BARAT PESISIR-SELATAN	07:51z	11Des2024	1.96m
BENGKULU KOTA-BENGKULU PANTAI-PANJANG	07:52z	11Des2024	2.95m
BENGKULU BENGKULU-UTARA BAGIAN UTARA	07:53z	11Des2024	3.00m
BENGKULU BENGKULU-SELATAN	07:55z	11Des2024	4.02m
BENGKULU BENGKULU-UTARA BAGIAN SELATAN	08:00z	11Des2024	3.68m
BANTEN PANDEGLANG BAGIAN SELATAN	08:00z	11Des2024	1.67m
BANTEN PANDEGLANG PULAU PANAITAN	08:01z	11Des2024	1.55m
JABAR SUKABUMI PELABUHAN-RATU	08:12z	11Des2024	2.00m
BANTEN LEBAK	08:13z	11Des2024	1.68m
LAMPUNG TANGGAMUS PULAU TABUAN	08:14z	11Des2024	2.23m
SUMBAR PADANG-PARIAMAN BAGIAN SELATAN	08:15z	11Des2024	4.42m
LAMPUNG TANGGAMUS BAGIAN TIMUR	08:15z	11Des2024	1.84m
LAMPUNG LAMPUNG-SELATAN KEP. LEGUNDI	08:16z	11Des2024	2.13m

LAMPUNG TANGGAMUS BAGIAN BARAT	08:19z	11Des2024	3.29m
JABAR SUKABUMI UJUNG-GENTENG	08:20z	11Des2024	1.01m
LAMPUNG LAMPUNG-SELATAN KEP. KRAKATAU	08:21z	11Des2024	1.87m
LAMPUNG LAMPUNG-SELATAN KEP. SEBUKU	08:30z	11Des2024	2.81m
JABAR CIANJUR SINDANGBARANG	08:31z	11Des2024	1.35m
BANTEN PANDEGLANG BAGIAN UTARA	08:31z	11Des2024	1.31m
JABAR GARUT	08:31z	11Des2024	0.89m
JABAR TASIKMALAYA	08:38z	11Des2024	1.65m
JABAR CIAMIS	08:48z	11Des2024	1.13m
BANTEN SERANG BAGIAN BARAT	08:54z	11Des2024	1.23m
NAD KOTA-LANGSA	08:57z	11Des2024	5.36m
LAMPUNG LAMPUNG-SELATAN KALIANDA	08:58z	11Des2024	1.95m
NAD ACEH-TAMIAN	08:58z	11Des2024	4.97m
LAMPUNG LAMPUNG-SELATAN BAKAUHENI	09:01z	11Des2024	0.80m
DIY GUNUNG-KIDUL	09:06z	11Des2024	1.13m
DIY BANTUL	09:08z	11Des2024	1.54m
JATENG CILACAP	09:08z	11Des2024	1.86m
JATENG KEBUMEN	09:09z	11Des2024	1.75m
DIY KULON-PROGO	09:10z	11Des2024	1.05m
JATENG WONOGIRI	09:11z	11Des2024	1.24m
JATENG PURWOREJO	09:15z	11Des2024	2.22m
BANTEN KOTA-CILEGON PULAU SANGIA	09:17z	11Des2024	0.76m
JATIM PACITAN	09:18z	11Des2024	1.33m
JATIM TRENGGALEK	09:23z	11Des2024	0.96m
JATIM TULUNGAGUNG	09:24z	11Des2024	0.98m
JATIM BLITAR	09:29z	11Des2024	0.90m
LAMPUNG KOTA-BANDAR-LAMPUNG PANTAI PANJANG	09:33z	11Des2024	2.86m
LAMPUNG LAMPUNG-SELATAN BAGIAN BARAT	09:34z	11Des2024	1.92m
BANTEN KOTA-CILEGON	09:40z	11Des2024	1.18m
JATIM JEMBER PULAU NUSABARUNG	09:45z	11Des2024	0.90m
JATIM JEMBER	09:51z	11Des2024	1.35m
SUMUT LANGKAT	09:57z	11Des2024	3.40m
SUMUT KOTA-MEDAN	10:22z	11Des2024	4.82m
SUMUT DELISERDANG	10:24z	11Des2024	2.15m
JATIM BANYUWANGI BAGIAN TIMUR	10:37z	11Des2024	0.70m
BALI JEMBRANA	10:46z	11Des2024	0.93m
SUMUT SERDANG-BEDAGAI	10:52z	11Des2024	2.93m
SUMUT ASAHAN	11:23z	11Des2024	1.90m
NTT LEMBATA BAGIAN SELATAN	11:39z	11Des2024	0.52m
NTT ALOR BAGIAN SELATAN	11:50z	11Des2024	0.53m
BALI BADUNG PANTAI-KUTA	11:51z	11Des2024	0.80m
NTT KEPULAUAN MANGGARAI-BARAT	12:28z	11Des2024	0.82m
SUMUT LABUHANBATU	12:57z	11Des2024	1.45m
JATIM MALANG	13:07z	11Des2024	0.78m
NTB DOMPU BAGIAN SELATAN	13:32z	11Des2024	1.25m
RIAU ROKAN-HILIR	14:21z	11Des2024	1.47m
NTB SUMBAWA BAGIAN SELATAN	14:32z	11Des2024	0.62m
NTT MANGGARAI-BARAT BAGIAN SELATAN	14:36z	11Des2024	0.82m
NTT SUMBA BAGIAN BARAT	14:39z	11Des2024	0.84m
NTT SUMBA BAGIAN TIMUR	14:40z	11Des2024	0.58m
NTB KOTA-BIMA BAGIAN SELATAN	14:45z	11Des2024	0.62m
JATIM BANYUWANGI BAGIAN SELATAN	15:34z	11Des2024	0.53m
NTB LOMBOK-TENGAH	15:45z	11Des2024	0.72m
NTB LOMBOK-TIMUR BAGIAN SELATAN	15:52z	11Des2024	0.87m
NTB LOMBOK-TIMUR BAGIAN TIMUR	15:58z	11Des2024	0.81m
NTB LOMBOK-BARAT BAGIAN SELATAN	16:05z	11Des2024	0.73m
BALI TABANAN	16:09z	11Des2024	0.93m
RIAU BENGKALIS	16:12z	11Des2024	0.72m
NTT MANGGARAI BAGIAN SELATAN	16:27z	11Des2024	0.60m
NTB SUMBAWA BAGIAN BARAT	16:44z	11Des2024	0.90m
JATIM LUMAJANG	16:49z	11Des2024	0.79m
BALI DENPASAR PANTAI-SANUR	16:53z	11Des2024	0.69m
BALI KARANG-ASEM BAGIAN SELATAN	16:59z	11Des2024	0.55m
BALI KLUNGKUNG	17:02z	11Des2024	0.69m
NTB KOTA-MATARAM	17:03z	11Des2024	0.68m
BALI KLUNGKUNG PULAU NUSAPENIDA	17:04z	11Des2024	0.54m

IRAN

PUSHT	13:55z	11Des2024	0.87m
BIR	14:07z	11Des2024	0.55m
MISKI	15:29z	11Des2024	0.60m

KENYA

KIWAYU	14:21z	11Des2024	1.76m
KIPINI	14:47z	11Des2024	1.18m
MALINDI	14:47z	11Des2024	1.61m
MVULENI	14:49z	11Des2024	1.28m
TAKAUNGU	14:49z	11Des2024	1.66m
KISIMACHANDE	14:51z	11Des2024	1.31m

MADAGASCAR

VOHEMAR	13:37z	11Des2024	2.98m
ANOROTSANGANA	13:38z	11Des2024	1.44m
TOAMASINA AIRPORT	13:55z	11Des2024	1.59m
TAMPOLO	13:57z	11Des2024	2.52m
GLORIOSO ISLANDS	14:06z	11Des2024	0.73m
AMBAHY	14:09z	11Des2024	2.82m
FARAFAGANA	14:14z	11Des2024	4.28m
MANANTENINA	14:24z	11Des2024	3.18m
BALY	14:56z	11Des2024	0.57m
SAMPONA	14:59z	11Des2024	3.13m
ANDROKA	15:23z	11Des2024	0.65m
EUROPA ISLAND	15:54z	11Des2024	0.61m
AMBANJA	16:31z	11Des2024	0.72m
MANJA	16:37z	11Des2024	0.51m

MALAYSIA

SATUN	09:11z	11Des2024	2.56m
YAN	09:13z	11Des2024	2.45m
WEST OF ALOR SETAR	09:23z	11Des2024	2.56m
SEBERANG PERAI UTARA AND BARAT DAYA	09:43z	11Des2024	4.01m
SEBERANG PERAI SELATAN	09:44z	11Des2024	3.06m
KUALA MUDA	09:49z	11Des2024	2.36m
KERIAN	10:01z	11Des2024	3.04m
LARUT AND MATANG	10:09z	11Des2024	2.64m
MANJUNG	10:22z	11Des2024	2.33m
HILIR PERAK	11:01z	11Des2024	1.74m
SABAK BERNAM	13:00z	11Des2024	2.04m
KUALA SELANGOR	13:33z	11Des2024	1.15m
KUALA LANGAT	14:27z	11Des2024	0.82m
SEPANG	16:25z	11Des2024	0.82m

MALDIVES

MALE	09:16z	11Des2024	3.87m
KOLHUFUSHI	09:17z	11Des2024	3.79m
KULHUDUFFUSHI	09:18z	11Des2024	3.77m
DHIYAMIGILI	09:18z	11Des2024	3.67m
THINADHOO	09:20z	11Des2024	3.83m
HITHADHOO	09:23z	11Des2024	5.29m
GOIDHOO	09:31z	11Des2024	2.52m
NILANDHOO	09:36z	11Des2024	3.16m
FERIDHOO	09:38z	11Des2024	2.25m

MAURITIUS

LA FERME	11:51z	11Des2024	4.62m
CARGADOS CARAJOS	12:23z	11Des2024	5.70m
AGALEGA ISLAND	12:32z	11Des2024	1.85m
GRANDE REVIERE SUD EST-EAST	12:38z	11Des2024	2.99m
GRANDE REVIERE SUD EST-WEST	12:51z	11Des2024	2.09m

MOZAMBIQUE

MAGANJA	14:53z	11Des2024	1.64m
MERONVI	15:03z	11Des2024	0.96m
QUITERAJO	15:07z	11Des2024	0.69m
TAVARI	15:09z	11Des2024	0.73m
PEMBA	15:11z	11Des2024	0.98m
MECUFI	15:16z	11Des2024	1.41m
MURREBUE	15:16z	11Des2024	0.71m
NANGATA	15:17z	11Des2024	1.38m
LURIO	15:18z	11Des2024	0.88m
LUMBO	15:20z	11Des2024	0.83m
MINHAUINE	15:23z	11Des2024	2.13m
MOGINCUAL	15:31z	11Des2024	0.62m
INHARRIME	16:23z	11Des2024	1.17m
POMENE	16:37z	11Des2024	1.34m
VILANKULO	16:41z	11Des2024	1.01m
MAGUEMBA	16:47z	11Des2024	0.87m
ZAVALA	16:56z	11Des2024	1.46m
INHASSORO	16:58z	11Des2024	0.66m
MAPUTO	17:00z	11Des2024	1.70m
NAMORRE	17:02z	11Des2024	0.66m
XAI-XAI	17:03z	11Des2024	1.60m
OCONE	17:07z	11Des2024	0.65m
AMADE	17:12z	11Des2024	0.58m
MALUANA	17:13z	11Des2024	1.14m
VILA DO CHINDE	17:38z	11Des2024	0.93m
NHANGAU	17:42z	11Des2024	0.58m
MAIONGUE	17:56z	11Des2024	0.79m

MYANMAR

THAN KYUN	07:42z	11Des2024	3.80m
LORD LOUGHBOROUGH ISLAND	07:45z	11Des2024	3.04m
GREAT WESTERN TORRES ISLAND	07:49z	11Des2024	1.82m
LITTLE COCO ISLAND	08:03z	11Des2024	1.75m
PREPARIS ISLAND	08:15z	11Des2024	2.06m
KYWEGYAUNG	08:48z	11Des2024	1.75m
CHEDUBA ISLAND	08:51z	11Des2024	1.64m
MALI KYUN	09:05z	11Des2024	1.55m
PHARPON	09:08z	11Des2024	1.01m
SITTWE	09:19z	11Des2024	1.36m
MAWYEN	09:23z	11Des2024	1.43m
MAGYIGYAING	09:27z	11Des2024	2.76m
KYAUKPYU	09:30z	11Des2024	1.25m
YE	09:33z	11Des2024	1.08m
YANGON-S	09:33z	11Des2024	0.81m
THAWINCHAUNG	09:47z	11Des2024	1.39m

OMAN

HASIK	13:09z	11Des2024	1.88m
AD DUQM	13:11z	11Des2024	0.98m

MIRBAT	13:17z	11Des2024	1.73m
TAQAH	13:21z	11Des2024	2.19m
AL JAZER	13:23z	11Des2024	1.12m
RAS AR RUWAYS	13:24z	11Des2024	1.27m
AL ASHKHARAH	13:25z	11Des2024	0.87m
SALALAH	13:27z	11Des2024	2.40m
SUR	14:27z	11Des2024	0.85m
SOHAR	14:45z	11Des2024	0.50m
EAST MUSANDAM	15:07z	11Des2024	0.80m
MASIRAH	15:19z	11Des2024	0.67m
QURAYYAT	17:52z	11Des2024	0.58m

PAKISTAN

ORMARA	13:47z	11Des2024	0.84m
WINDER	14:01z	11Des2024	0.65m
KARACHI	14:31z	11Des2024	0.56m

SEYCHELLES

FREGATE ISLAND	12:20z	11Des2024	3.44m
COETIVY ISLAND	12:27z	11Des2024	2.74m
TAKAMAKA	12:40z	11Des2024	3.03m
ILE DESROCHES	12:51z	11Des2024	1.66m
ALPHONSE ISLAND	13:00z	11Des2024	1.15m
FARQUHAR GROUP	13:15z	11Des2024	1.46m
ASTOVE ISLAND	13:49z	11Des2024	0.87m
ALDABRA	14:00z	11Des2024	1.29m

SOMALIA

BANDER-BEYLA	13:16z	11Des2024	3.26m
TOOXIN	13:21z	11Des2024	2.99m
EYL	13:21z	11Des2024	3.62m
GALDOGOB	13:24z	11Des2024	2.84m
JARIIBAN	13:28z	11Des2024	3.82m
XARARDHEERE	13:33z	11Des2024	3.28m
CEEL DHEER	13:33z	11Des2024	2.95m
ITALA	13:35z	11Des2024	2.55m
MAREEG	13:35z	11Des2024	2.00m
UARSCIECH	13:41z	11Des2024	2.42m
ABO	13:41z	11Des2024	2.42m
MUQDISHO	13:46z	11Des2024	2.34m
BEYNAX BARRE	13:53z	11Des2024	2.55m
BARAAWE	13:58z	11Des2024	2.52m
JILIB	14:07z	11Des2024	2.40m
TURDHO	14:09z	11Des2024	2.40m
NE BEERNAASI	14:12z	11Des2024	2.13m
KAAMBOONI	14:20z	11Des2024	1.71m
QANDALA	14:20z	11Des2024	0.87m
SAYLAC	15:52z	11Des2024	0.71m
LOYADO	15:59z	11Des2024	0.85m
HADAAFTIMO	17:35z	11Des2024	0.56m

SOUTH AFRICA

GWABALANDA HITAWI	16:44z	11Des2024	1.71m
PORT DURNFORD	16:46z	11Des2024	1.59m
LAKE SIBAYI	16:46z	11Des2024	1.55m
KOSIMEER	16:48z	11Des2024	1.51m
FUNK SEAMOUNT	16:53z	11Des2024	1.52m
KELSO	16:57z	11Des2024	1.28m

MARGATE	16:58z	11Des2024	1.34m
MANDI	16:58z	11Des2024	1.47m
BIZANA	17:00z	11Des2024	1.02m
LUSIKISIKI	17:02z	11Des2024	1.62m
ABORETUM	17:02z	11Des2024	1.86m
PORT ST JOHNS	17:08z	11Des2024	1.24m
NGQUELENI	17:12z	11Des2024	1.39m
ELLIOTDALE	17:15z	11Des2024	1.66m
WILLOWVALE	17:19z	11Des2024	2.00m
KENTANI	17:22z	11Des2024	1.95m
MARSHSTRAND	17:29z	11Des2024	2.30m
KAYSERS BEACH	17:30z	11Des2024	2.41m
ZIKHOVA	17:32z	11Des2024	2.23m
PEDDIE	17:37z	11Des2024	2.17m
BATHURST	17:48z	11Des2024	2.13m
ALEXANDRIA	17:49z	11Des2024	1.95m

SRI LANKA

BATTICALOA	07:54z	11Des2024	6.40m
AKKARAIPATTU	07:55z	11Des2024	4.57m
KIRINDA	07:56z	11Des2024	4.84m
OKANDA	08:02z	11Des2024	8.49m
POTTUVIL	08:04z	11Des2024	8.22m
KATTANKUDI	08:04z	11Des2024	4.50m
ANAITIVU	08:06z	11Des2024	2.02m
PANKULAM	08:06z	11Des2024	3.99m
TANGALLE	08:08z	11Des2024	3.59m
MATARA	08:09z	11Des2024	4.95m
MULLAITTIVU	08:13z	11Des2024	4.29m
HAMBANTOTA	08:13z	11Des2024	8.44m
AMBALANGODA	08:18z	11Des2024	4.00m
GALLE	08:19z	11Des2024	6.96m
CHUNDIKKULAM	08:29z	11Des2024	3.77m
BERUWALA	08:32z	11Des2024	3.84m
COLOMBO	08:33z	11Des2024	2.48m
MORATUWA	08:36z	11Des2024	3.11m
CHAVAKACHCHERI	08:37z	11Des2024	2.55m
POINT PEDRO	08:38z	11Des2024	4.33m
NEGOMBO	08:41z	11Des2024	2.70m
MUNDAL LAKE	08:47z	11Des2024	2.40m
MANNAR ISLAND	08:52z	11Des2024	1.90m
MUSALI	09:10z	11Des2024	1.85m

TANZANIA

VUMBA	14:42z	11Des2024	1.06m
VUMBI	14:43z	11Des2024	1.09m
ZANZIBAR	14:48z	11Des2024	1.20m
JIMBO	14:50z	11Des2024	1.47m
GAZIJA	14:52z	11Des2024	1.25m
MADANGWA	14:52z	11Des2024	2.17m
SONGO SONGO ISLAND	14:54z	11Des2024	1.21m
KUTANI	14:56z	11Des2024	1.67m
RUUVU	14:56z	11Des2024	1.28m
MSASANI	15:02z	11Des2024	0.86m
BOMALANDNI	15:07z	11Des2024	0.84m
WEST TO KONDE	15:10z	11Des2024	0.83m
BAGAMOYO	15:11z	11Des2024	0.83m

THAILAND

THAI MUEANG	07:20z	11Des2024	5.42m
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KO RACHA NOI	07:25z	11Des2024	5.92m
KOH SURIN TAI	07:47z	11Des2024	5.01m
KOH LANTA YAI	08:02z	11Des2024	3.37m
KOH ROK	08:06z	11Des2024	3.38m
THAI MUEANG TAKUA PA	08:06z	11Des2024	5.99m
MUEANG SATUN	08:11z	11Des2024	3.72m
KOH TARUTAO	09:12z	11Des2024	5.94m

UNITED ARAB EMIRATES

KALBA	14:48z	11Des2024	0.53m
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UNITED KINGDOM

MORESBY ISLAND	09:43z	11Des2024	6.01m
DIEGO GARCIA	09:46z	11Des2024	8.38m
NW EGMONT ISLAND	10:05z	11Des2024	5.31m

YEMEN

SOCOTRA ISLAND SOUTH	12:59z	11Des2024	3.66m
SOCOTRA ISLAND NORTH	13:13z	11Des2024	2.20m
SOCOTRA ISLAND WEST	13:27z	11Des2024	1.52m
DAMQAWT	13:32z	11Des2024	2.98m
AL GHAYDAH AIRPORT	13:39z	11Des2024	2.21m
HUSWAYN	13:48z	11Des2024	2.33m
ALQUMRAH	13:55z	11Des2024	2.31m
MASILAH WADI	14:05z	11Des2024	1.88m
HARRAH	14:12z	11Des2024	1.00m
EAST TO HAMI	14:26z	11Des2024	0.86m
AL MUKALLA	14:34z	11Des2024	1.62m
HAMI	14:35z	11Des2024	1.18m
RUDUM	14:38z	11Des2024	0.71m
KHANFAR	15:10z	11Des2024	0.61m
ADEN	15:26z	11Des2024	0.68m
MAALLAH	15:34z	11Des2024	0.68m
QAWAH	15:52z	11Des2024	0.72m
AL MUALLA	16:09z	11Des2024	0.86m

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>

IOC Reference: ICG/IOTWMS/COMMS/ER/Dec24

https://www.bmkg.go.id
https://inatews.bmkg.go.id
E-Mail: inartsp@bmkg.go.id
monitrtp@bmkg.go.id

END OF BULLETIN

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

TSP INDONESIA Message 4

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TSP-InaTEWS-20241211-0645-04

TSUNAMI BULLETIN NUMBER 4 (TYPE-IV FINAL BULLETIN)
IOTWMS TSUNAMI SERVICE PROVIDER INDONESIA (InaTEWS-BMKG)
issued at 0645 UTC, Dec 11, 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 : 9.2 Mwp (REVISED)
Depth : 10km
Date : 11 Dec 2024
Origin Time: 06:00:00 UTC
Latitude : 3.30N
Longitude : 95.96E
Location : Off West Coast of Northern Sumatra

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
TELUKDALAM	INDONESIA	00.55N	97.82E	18.7	06:00	Dec 06, 2024
SABANG	INDONESIA	05.83N	95.33E	06.1	06:18	Dec 06, 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:

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

E-Mail: inartsp@bmkg.go.id

monitrtrwp@bmkg.go.id

END OF BULLETIN

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