

INTERIM HUNGA TONGA TSUNAMI WARNING Feedback (F. Schindelé TNC/France)

MESSAGES

- Some concern concerning proposed text messages and First message
- Scaling Factor computation.
 - If tsunami amplitude recorded at several Tide gages are very different from the computed scaling values, would scaling factor be modified ? How ?

GOVERNANCE

- 1 When Honga Tonga Hunga Ha'apai Warning is expected to be in place ?
(documentation, validation....)
- 2 How IOC would advertise the launch of this new Warning ?
- 3 How PTWC will Test this new system ?

PTWS Post-Event Brief III - 15 Jan 2022 Hunga-Tonga-Hunga-Ha'apai Eruption and Tsunami

FIRST HUNGA TONGA TSUNAMI MESSAGE (1/3)

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TEST...TSUNAMI MESSAGE NUMBER 1...TEST  
NWS PACIFIC TSUNAMI WARNING CENTER HONOLULU HI  
2159 UTC WED JAN 26 2022
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...THIS MESSAGE IS FOR TEST PURPOSES ONLY...  
...TEST PTWC TSUNAMI THREAT MESSAGE TEST...
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```
**** NOTICE **** NOTICE **** NOTICE **** NOTICE **** NOTICE ****
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THIS IS A TEST MESSAGE. THIS MESSAGE IS ISSUED FOR INFORMATION  
ONLY IN SUPPORT OF THE UNESCO/IOC PACIFIC TSUNAMI WARNING AND  
MITIGATION SYSTEM AND IS MEANT FOR NATIONAL AUTHORITIES IN EACH  
COUNTRY OF THAT SYSTEM.
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THIS IS A TEST MESSAGE. NATIONAL AUTHORITIES WILL DETERMINE THE  
APPROPRIATE LEVEL OF ALERT FOR EACH COUNTRY AND MAY ISSUE  
ADDITIONAL OR MORE REFINED INFORMATION.
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**** NOTICE **** NOTICE **** NOTICE **** NOTICE **** NOTICE ****
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TEST... A VOLCANO HAS ERUPTED GENERATING TSUNAMI WAVES ...TEST  
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TEST... PRELIMINARY ERUPTION PARAMETERS ...TEST  
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* ERUPTION TIME 2146 UTC JAN 26 2022  
* COORDINATES 20.5 SOUTH 175.4 WEST  
* LOCATION TONGA
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Comment : We will not know in the first minutes if the tsunami have been generated by Honga Tonga Volcano

**TSUNAMI WAVES WERE RECORDED
PROBABLY GENERATED BY HONGA TONGA
HUNGA HA'APAI VOLCANO**



PTWS Post-Event Brief III - 15 Jan 2022 Hunga-Tonga-Hunga-Ha'apai Eruption and Tsunami

FIRST HUNGA TONGA TSUNAMI MESSAGE (2/3)

TEST... EVALUATION ...TEST

* THIS IS A TEST MESSAGE. AN VOLCANIC ERUPTION OCCURRED IN THE TONGA ISLANDS AT 2146 UTC ON WEDNESDAY JANUARY 26 2022.

TEST... TSUNAMI THREAT FORECAST ...TEST

* THIS IS A TEST MESSAGE. HAZARDOUS TSUNAMI WAVES FROM THIS ERUPTION ARE POSSIBLE WITHIN THE NEXT THREE HOURS ALONG SOME COASTS OF

TONGA... NIUE... AMERICAN SAMOA... WALLIS AND FUTUNA... SAMOA... KERMADEC ISLANDS... FIJI... TOKELAU... COOK ISLANDS... VANUATU... TUVALU... NEW ZEALAND AND KIRIBATI

* THIS IS A TEST MESSAGE. BASED UPON THE INITIAL OBSERVATIONS... THIS TSUNAMI IS FORECAST TO BE ABOUT 0.5 TIMES THE SIZE OF THE JANUARY 15 2022 TSUNAMI FROM HUNGA TONGA VOLCANO.

* THIS IS A TEST MESSAGE. THE FOLLOWING ARE FORECAST MAXIMUM TSUNAMI HEIGHTS RELATIVE TO NORMAL SEA LEVEL AT COASTAL GAUGES WHERE THE TSUNAMI IS EXPECTED TO ARRIVE WITHIN THE NEXT THREE HOURS. TSUNAMI WAVES ALONG OTHER COASTS NEAR EACH GAUGE CAN BE LARGER.

GAUGE LOCATION	COORDINATES		FIRST WAVE ETA (UTC)	FORECAST MAX TSUNAMI HEIGHT
	LAT	LON		
NUKUALOFA TO	21.1S	175.2W	01/26 2204	0.41M/ 1.34FT
DART 5401003	23.4S	173.4W	01/26 2228	0.10M/ 0.34FT
DART 5401002	29.7S	175.0W	01/26 2311	0.05M/ 0.16FT

Comment : Recipient should not expect typical tsunami products

THE FORECAST CANNOT BE ASSESSED FOR ALL COASTLINES BUT ONLY AT SPECIFIC TIDE GAGES SITES

NO GRAPHIC PRODUCT WILL BE SENT IN ADDITION TO THIS TEXT MESSAGE

Exact list of Forecast Tide gages Points

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FIRST HUNGA TONGA TSUNAMI MESSAGE (3/3)

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OUVEA NEW CALEDONIA 20.5S 166.6E 01/27 0052 0.19M/ 0.64FT TI
VANUATU 17.8S 168.3E 01/27 0058 0.70M/ 2.31FT --
OUINNE NEW CALEDONIA 22.0S 166.7E 01/27 0058 0.56M/ 1.85FT
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TEST... RECOMMENDED ACTIONS ...TEST

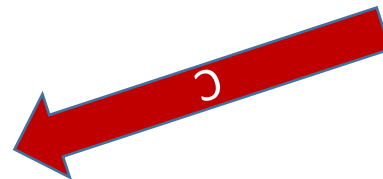
- * THIS IS A TEST MESSAGE. GOVERNMENT AGENCIES RESPONSIBLE FOR THREATENED COASTAL AREAS SHOULD TAKE ACTION TO INFORM AND INSTRUCT ANY COASTAL POPULATIONS AT RISK IN ACCORDANCE WITH THEIR OWN EVALUATION... PROCEDURES AND THE LEVEL OF THREAT.
- * THIS IS A TEST MESSAGE. PERSONS LOCATED IN THREATENED COASTAL AREAS SHOULD STAY ALERT FOR INFORMATION AND FOLLOW INSTRUCTIONS FROM NATIONAL AND LOCAL AUTHORITIES.

TEST... ESTIMATED TIMES OF ARRIVAL ...TEST

- * THIS IS A TEST MESSAGE. ESTIMATED TIMES OF ARRIVAL -ETA- OF THE INITIAL TSUNAMI WAVE FOR PLACES WHERE THE INITIAL WAVE IS EXPECTED WITHIN THE NEXT 6 HOURS. ACTUAL ARRIVAL TIMES MAY DIFFER AND THE INITIAL WAVE MAY NOT BE THE LARGEST. A TSUNAMI IS A SERIES OF WAVES AND THE TIME BETWEEN WAVES CAN BE FIVE MINUTES TO ONE HOUR.

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LOCATION	REGION	COORDINATES	ETA(UTC)
NUKUALOFA	TONGA	21.0S 175.2W	2156 01/26
HOLEVA	TONGA	18.6S 173.9W	2222 01/26
NIUE ISLAND	NIUE	19.0S 170.0W	2246 01/26
NIUATOPUTAPU	TONGA	15.9S 173.8W	2251 01/26



**Exact list of
ETA Forecast Points**