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## **NEAMWave 26 Tsunami Exercise**

**A Tsunami Warning and Communication  
Exercise for the North-Eastern Atlantic,  
the Mediterranean, and Connected Seas  
Region**

**3–24 March 2026**

**Volume 1**

**Exercise Manual**

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**UNESCO**

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Based on previous exercise reports and with contribution of DG ECHO Emergency Response Coordination Centre of the European Commission.

This Tsunami Exercise Manual comprises two parts.

**Part 1 is the Exercise Instructions.** It is the **generic information** part of the **NEAMWave Exercise Manual**, containing general and extensive information about the overall activities, the general scope, objectives and concepts, the roles of participants, as well as media arrangements. See also [NEAMWave Tsunami Exercise: information brief](#)

**Part 2 is the Exercise Supplements.** It contains more **specific information** about the **actual exercise** that is going to take place. It details the exercise scenarios in NEAMWave 26, the registration procedures for participation, the contact information of exercise team members, as well as the evaluation procedure of the exercise.

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## PART 1: EXERCISE INSTRUCTIONS

### 1. INTRODUCTION

Regional and national tsunami warning systems in every ocean must maintain a high level of readiness so that all the actions relevant to the public's safety can be provided effectively and efficiently during fast-onset and rapidly-evolving natural disasters involving marine inundation of coastal areas. Because of the relative infrequency of tsunamis, but knowing that tsunamis can have widespread impact across oceans and seas, the IOC of UNESCO and its Member States have been advocating through their Intergovernmental Coordination Groups (ICGs) for the regular conduct of tsunami exercises. To maintain a high state of operational readiness, National Tsunami Warning Centres (NTWCs) and Civil Protection Agencies (CPA) must regularly practice their emergency response procedures to ensure that vital communication links work seamlessly, and that agencies and response personnel know the roles that they will need to play during a real event.

The first NEAMWave tsunami exercise was conducted in 2012 ([IOC/2012/TS/103](#)), when the NEAMTWS (Tsunami Early Warning and Mitigation System in the North-Eastern Atlantic, the Mediterranean and Connected Seas) started its operational phase. The exercise involved the simulation of the assessment of a tsunami, based on an earthquake-driven scenario followed by alert message dissemination by the TSPs (Tsunami Service Providers), at that time, followed by the simulation of the TWFP/NTWCs' and CPAs' actions, as soon as the produced messages were received. Since then, NEAMWave tsunami exercises have been conducted in a regular base, usually every two or three years, utilizing tsunami scenarios, separate or joint, played by the TSPs.

Already from the outcomes of the first exercise, the importance of CPAs' involvement in the exercise became clear. This is to be achieved with the contribution of the Emergency Response and Coordination Centre (ERCC) of the European Commission (EC), through the Civil Protection Mechanism (CPM), in the design and execution of the exercise.

### 2. SCOPE AND OBJECTIVES OF NEAMWave

By the end of 2011, the North-Eastern Atlantic, the Mediterranean and Connected Seas (NEAM) region was the only region in the world where a Tsunami Warning System (TWS) was not yet in operation. Communication test exercises were started in 2010, while the first tsunami exercise was conducted in 2012.

NEAMWave aims to assess the national and local warning dissemination and response mechanisms put in place by Member State CPAs upon the reception of a tsunami warning from their TWFPs (Tsunami Warning Focal Points). In addition, the tsunami exercise intends to achieve a higher level of engagement from national emergency managers and civil protection agencies and so these agencies are encouraged to actively participate in the Exercise, in cooperation with the respective Tsunami Warning Focal Point, National Tsunami Warning Centre (TWFP/NTWC) and ERCC. An active participation of the CPA of a Member State would consist of:

- Receiving the alert messages from the respective TWFP/NTWC,
- If possible, simulating the consequent operational actions.

The simulation of the consequent operational actions could be organized by the CPA in different ways, characterized by the different levels of effort needed. In [section 2.2](#), a full range of possible options is exemplified, ranging from a very low-level commitment (enough to be part of NEAMWave and useful to launch the national initiatives in the field of building a national capacity to respond to tsunami events), to a full and comprehensive participation. In addition,

the exercise simulates a request for international assistance through the Civil Protection Mechanism of the Union and of the European Commission Emergency Response and Coordination Centre (ERCC).

The exercise consists of a number of tsunami scenarios that are carried out by the TSP. Joint scenarios between TSPs are also possible. Each NEAMTWS Member State is able to choose either to participate in all or a selection of these scenarios. To facilitate the participation of a Member State in more than one scenario, each scenario will be conducted consecutively in one-day sessions for different regions of interest, thus avoiding overlapping.

The objectives of NEAMWave are:

- Validate and evaluate the Tsunami Service Provider (TSP) dissemination process of issuing Tsunami Messages in the NEAM region.
- Validate and evaluate the procedures for countries to receive the Tsunami Messages issued by the TSP through their National Tsunami Warning Centres (NTWC), the country Tsunami Warning Focal Points (TWFP) or the country Tsunami National Contacts (TNC).
- Test the dissemination of the warning messages to the relevant agencies that are responsible for emergency response (CPA).
- Assess the organizational decision-making process about public warnings and evacuations thus raising awareness of launching and contributing to the development of a national policy to tackle the tsunami risk.
- Identify best practices (to be shared), criticalities (to be addressed by the program in the future activities) and room for improvements in the entire process (including the procedures already tested between TSPs and TWFPs/NTWCs and also the heterogeneous panorama of national capacities to handle tsunami risk).
- Test procedures for international assistance between the European Commission and participating Member States.

Within the above framework, each country is invited to develop its own specific objectives for the exercise.

## 2.1 DESCRIPTION OF NEAMWAVE EXERCISES GENERAL CONCEPTS

NEAMWave is carried out using different reference scenarios, in order to be appealing for as many Member States as possible. For each scenario two phases of the exercise are performed, so called Phases A and B, while for one selected scenario, there is an additional exercise phase, Phase C that is practiced in collaboration with the Emergency Response and Coordination Centre (ERCC) of the European Commission.

[Phase A](#) is the simulation of the first step of the early warning process in case of a tsunamigenic seismic event. This phase takes place at the international level. It consists of the detection of the event and the timely provision of the related alert messages by the responsible scientific institutions (the so-called Tsunami Service Providers) to the tsunami watch recipients, i.e. all NEAMTWS Member States which decided to participate in the considered scenario of NEAMWave, as well as the Emergency Response Coordination Centre (ERCC) of the European Commission. In regards the NEAMTWS Member States, the alert messages are received by the designated Tsunami Warning Focal Point and related National Tsunami Warning Centre (TWFP/NTWC).

[Phase B](#) is the following step of the NEAMWave exercise. It consists of the exercise activities performed at national level, once the Tsunami Warning Focal Point and related National

Tsunami Warning Centre (TWFP/NTWC) of the Member State have received the alert messages. In this second step of the exercise the Tsunami Warning Focal Point of the National Tsunami Warning Centre (TWFP/NTWC) disseminate the alert messages, possibly customizing them, to the national Civil Protection Agency (CPA) requirements and needs, which, in turn, may choose to further disseminate the alert to the local level (choosing test sites, if involvement of the entire national territory is too challenging). The national CPA, at its discretion, may also choose to extend the exercise by implementing further exercise activities within the national emergency response system. Some examples of possible additional activities are described in the [section 2.2.2](#) and further details are given in [Annex I](#).

[Phase C](#) is the third and last step of NEAMWave, which is performed only for one selected scenario. During Phase A, the Emergency Response Coordination Centre (ERCC) of the European Commission, receives the alert messages from the TSP. Subsequently ERCC receives a request for international assistance from an affected country. Based on this request, the ERCC activates the procedures of the Union Civil Protection Mechanism, meaning that the provision of international assistance to the affected Countries (to cope with the first response to the exercise disaster) is simulated. Phase C is planned as a drill exercise by testing the procedure for international assistance between the European Commission and NEAMTWS Member States participating in this part of the exercise.

In a real situation, it is unlikely that a request for international assistance is sent before having at least preliminary information at national level regarding the damage scenario. Besides, it is reasonable that the following day of the event the national CPA could ask for international assistance, specifying its needs. However, due to time limitation and exercise practicalities, Phase C is conducted on the same day of the scenario.

## 2.2 DESCRIPTION OF EXERCISE PHASES

NEAMWave consists of three different and consecutive parts (Phases A, B and C). Phase A is performed for all the scenarios. Phase B can be performed for all the scenarios, pending the participation of the Member State's CPA. Phase C is performed only for a selected scenario.

The following chart represents the overall organization of NEAMWave, in terms of exercise phases. A full description of each phase is given in the following paragraphs, as well as details on the advantages of participating in the different exercise phases.

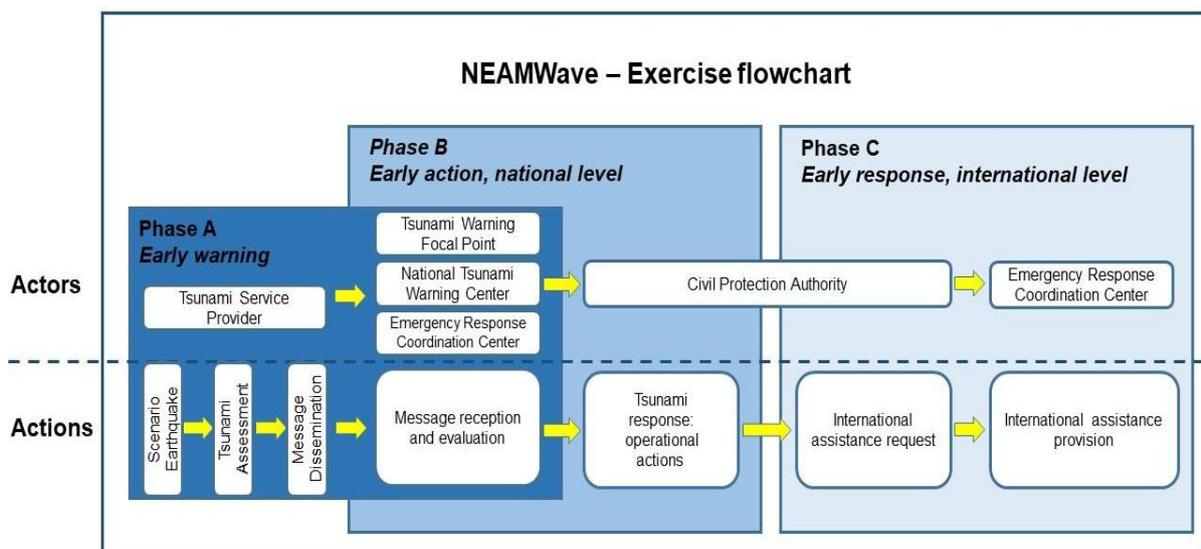


Figure 1–1. NEAMwave Exercise flowchart

### 2.2.1 NEAMWave – Phase A

Phase A (early warning) is the simulation of the occurrence of a submarine earthquake and consequent tsunami, which is detected by the Tsunami Service Providers (TSPs) who will produce and disseminate an alert message to the tsunami message recipients.

Tsunami message recipients are all ICG/NEAMTWS Member States, which have appointed a Tsunami Warning Focal Point and related National Tsunami Warning Centre (TWFP/NTWC's) and/or a Tsunami National Contact (TNC). During the NEAMWave, all the TWFP/NTWC/TNC of those NEAMTWS Member States, which have already subscribed for the services of a TSP will receive alert messages in Phase A. Furthermore, only for the duration of the exercise, the same messages will be received also by the TWFP/NTWC/TNC of those ICG/NEAMTWS Member States which have applied to participate in the exercise but which did not formally subscribe for the services of any TSP yet (see following paragraphs for details on the application procedure). For these countries, the exercise would be a good opportunity to subscribe to the activities of the TSPs, and they would be encouraged to be permanent recipients of the TSPs<sup>1</sup>.

In NEAMWave, the Emergency Response Coordination Centre (ERCC) of the European Commission will also be a tsunami recipient. Therefore, the alert messages generated by the TSPs in Phase A will also be disseminated to the appointed contact details of the ERCC.

This phase of the exercise will be planned as a drill exercise (or Command Post Exercise) with a time frame element focusing on the functional requirements of NTWCs that have declared their operational or pre-operational status as TSP.

### 2.2.2 NEAMWave – Phase B

Phase B (early action, national level) takes place as soon as the message produced in Phase A has been received by the TWFP/NTWC/TNC. In this phase, the simulation continues at national level, with the early warning being provided by the TWFP/NTWC/TNC to the national Civil Protection agencies (CPA) and, possibly, the simulation of the relative operational actions.

Phase B may be conducted at different levels, meaning that the Member State's TWFP/NTWC/TNC and CPA may cooperate with each other and decide to perform one of the following types of exercises (orientation seminar, drill exercise, table-top exercise, functional exercise, and full-scale exercise) at national level, where the level of requested effort increases going down the list (refer to [Annex I](#) for further details on each of the listed exercise types):

#### Orientation seminar/exercise

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The orientation seminar is an overview or introduction. Its purpose is to familiarize participants with roles, plans, procedures, or equipment. For the purpose of NEAMWave, an orientation seminar could be used as an opportunity to introduce the national stakeholders to the NEAMTWS programme, in general, in a country in which the CPA has never previously been directly involved in the program's activities. This exercise would provide an opportunity to raise awareness among the national emergency operations centre(s) and response officials regarding the NEAMTWS programme and it would pave the way for starting the essential coordination process needed between them and the NTWC for setting up an effective end-to-end warning system at national level.

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<sup>1</sup> TNC can send an email to the IOC Secretariat [neamwave@unesco.org](mailto:neamwave@unesco.org) and/or [d.chang-seng@unesco.org](mailto:d.chang-seng@unesco.org), specifying which TSP services the country wants to subscribe to receive tsunami alerts.

A different example of an orientation exercise would be to involve the national stakeholders required to assess the feasibility of using a national operation centre that is already performing an emergency response function for other risks for responding to a tsunami event. The aim would be to identify the upgrades/adaptation eventually needed to address this particular type of risk.

The main motivation for an orientation exercise is to provide stakeholders with an overview of authorities, strategies, plans, policies, procedures, protocols, and resources needed (i.e. to be set up) or already available at country level for responding to a tsunami.

#### Drill exercise

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In a drill exercise, staff physically handle specific equipment or perform a specific procedure or single operation. A drill usually focuses on a single organization, facility or agency such as a national emergency operation centre, hotel, school or village. The exercise usually has a time-frame element and is used to test procedures. Performance is evaluated in isolation. A drill is a subset of a full-scale exercise. Within the European Union Civil Protection Mechanism these types of exercises are called "*command post exercises*".

At national level, the NTWC/TWFP/TNC could coordinate with the respective CPA in order to conduct NEAMWave Phase B as a drill exercise. This would mean organizing the transmission of the alert messages received by the NTWC/TWFP/TNC to the national CPA which, in some cases, could also decide to involve local civil protection authorities through the dissemination of the alert also at local level. This last part of the drill exercise could be performed with a subset of local civil protection authorities, used as pilot test sites.

A drill exercise within NEAMWave Phase B could be fruitfully conducted in order to test, for example, already existing alert procedures at national level in a tsunami scenario. Indeed, Member States are usually equipped and familiar with alert procedures for other (more frequent) hazards, such as floods, forest fires, earthquakes. Those procedures could be tested in NEAMWave in order to verify *how* and *if* they could be adapted to treat the alerting process in the case of a tsunami.

#### Table-top exercise

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A table-top exercise may also be referred to as a "discussion exercise". Participants are presented with a situation or problem that they are required to discuss and for which they formulate the appropriate response or solution. Normally, the exercise requires no simulation other than a scenario and/or prewritten exercise injects. An exercise controller or moderator introduces a simulated scenario to participants and, as the exercise advances (in time), exercise problems and activities (injects) are further introduced. This type of exercise is used to practice problem-solving and coordination of services with or without time pressures. There is no deployment or actual use of equipment or resources.

A table-top exercise simulates an emergency situation in an informal, stress-free environment. The participants - usually people at a decision-making level - gather around a table to discuss general problems and procedures in the context of an emergency scenario.

#### Functional exercise

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A functional exercise may also be referred to as an "operational" or a "tactical" exercise. It takes place in an operational environment and requires participants to actually perform the functions of their roles. A normally complex response activity is simulated, which may require multiple activities to carry out the response. It lacks only the people "on the ground" to create a full-scale exercise.

Participants interact within a simulated environment through an exercise control group which provides prewritten injects and responds to questions and tasks developing out of the exercise.

Functional exercises normally involve multi-agency participation (real or simulated) and can focus on one or more geographical areas. Commonly, they involve the testing of standard operating procedures (SOP) and internal/external communications between organizations.

#### Full scale exercise

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A full-scale exercise may also be referred to as a “practical” or “field” exercise. It includes the movement or deployment of people and resources to provide a physical response “on the ground” to a simulated situation. These exercises are typically used to test all aspects of a country's warning and emergency management systems and processes, and to the extent that is practical, using actual centres and communications methods.

Full-scale exercises are the largest, most costly, most time-consuming and most complex to plan, conduct and evaluate. Having said that, a NEAMTWS Member State may be motivated to conduct a full-scale exercise as Phase B of NEAMWave in case a full-scale exercise was already planned to be conducted at national level. In this case, NEAMWave could provide a useful reference scenario and added value to the national field exercise(s), since it would be performed also in the framework of an international coordination process.

In conclusion, each ICG/NEAMTWS Member State could choose to perform its NEAMWave Phase B as one of the types of exercises listed above, within its discretion. The main objective is to test the national early warning action in the case of a tsunami event. Whatever is the level of development of the national early warning and response system with respect to tsunami events, the different types of exercise provide a good opportunity to implement an appropriate Phase B for all the situations: from the simple orientation exercise if the Member State has not yet started to implement its tsunami emergency managing system and needs to engage the national stakeholder into this process and/or raise awareness among the national decision-makers at politics/policy level, up to the complex full scale exercise if the Member State wishes to couple its planned exercise initiatives with NEAMWave, through a range of intermediate options, as described here above.

#### **2.2.3 NEAMWave – Phase C**

Phase C (early response, international level) of the NEAMWave exercise will be performed only for one selected scenario. At the time Phase C begins, tsunami messages produced in Phase A will have been already received by the Emergency Response Coordination Centre (ERCC) of the European Commission. Following that, the ERCC will receive one or more requests for international assistance from one or more affected countries according to the scenario. The request for assistance will activate the Union Civil Protection Mechanism (UCPM) allowing the participating states to the UCPM to offer assistance according to the needs. In this context, the ERCC coordinates the delivery of assistance to disaster-stricken countries, such as relief items, expertise, civil protection teams and specialized equipment. This means that the NEAMTWS Member States taking part in the selected scenario will also have the possibility participate to phase C and continue the simulation and submit a request for international assistance to the ERCC.

In the context of this exercise, ERCC will be responsible for the conduct of the command post exercise in order to test the procedure for provision of international assistance through the Union Civil Protection Mechanism to those affected countries, which request it. The NEAMTWS Member States will be able to submit a request for assistance to the ERCC and Participating States of the UCPM will be able to offer assistance according to needs, including assets that are registered in the European Civil Protection Pool (ECPP) and also rescEU if the

requesting country is a UCPM participating states. Thus, the selection and deployment procedures of assets registered in the ECPP and/or in rescEU will also be tested. This phase of the exercise will end with the acceptance notification of the offered assistance sent by the requesting country to the ERCC.

[Annex II](#) provides some guidelines for participation in “PHASE C”- Union Civil Protection Mechanism.

### 2.3 EXERCISE COMMUNICATION CHANNELS

During the exercise, tsunami messages will be disseminated through different communication modes: email, Global Telecommunication System (GTS) and also SMS (not obligatory, preferable by TSPs). All those technologies are used in a redundant way, i.e. all messages will be sent via the different communication channels.

Before the exercise, you must be sure that all technologies you will use are synchronised. To do so, you can connect all your digital devices (computers) to a single computer server. Then this server needs to use an NTP server (Network Time Protocol) which can be found in each country.

When you subscribe to a scenario, you must enquire what are the technologies used by the TSP managing your chosen scenario for this exercise.

Each TSP will send the tsunami warning messages to all the countries already registered into its recipients list and also to those countries which, even if not registered to the services of the specific TSP, nevertheless decided to participate to the NEAMWave scenario proposed by it.

#### Email

All tsunami messages will be sent to the email address officially communicated to IOC, i.e. email of TNC and/or TWFP.

The participation of other national or international agencies as observers is encouraged and in that case, they should provide the contacts in a standard format to the IOC Secretariat, using an online registration form. Their number should be limited to two observers per country for operational reasons.

Priority will be given to messages sent to TNC and/or TWFP.

#### GTS

GTS messages are received by all Tsunami message Recipients (TWR) with that capacity.

It is important to take note that the TWR will receive the GTS messages of all scenarios, regardless of the scenario which you have subscribed to, provided that they have already defined the GTS header of the message providers. Nonetheless, the TWR will have to report only for the scenario(s) they have subscribed to.

#### SMS

This technology can also be used for the exercise. If the TSP that you choose will use this technology, you will find a description of this type of messages in its scenario. Nevertheless, each TSP will follow the same SMS format that is briefly described here below.

For all SMS tsunami alert messages, the character limit is 160 7-bit characters (including spaces) using English alphabet with capital letters.

### 3. EXERCISE SCENARIOS

This chapter of the manual provides an extract of the key features of the exercise scenarios foreseen for NEAMWave. The complete, in depth descriptions of each scenario are provided in NEAMWave Supplements (Part 2).

A tsunami scenario used for testing the alert message dissemination and response measures is a set of data corresponding to a hypothetical tsunami event. A brief historical and tectonic description of the scenario is also provided. As, for the time being, only earthquake-induced events are considered, a tsunami scenario is composed of:

- Earthquake data (location and magnitude),
- Arrival times of the tsunami at points, the so called “forecast points” (points of interest along the coasts),
- Estimated tsunami wave heights at points of interest for the entire domain (calculated, but not to be included/disseminated in the scenario as a numerical value),
- Coastal hazard levels according to the levels agreed by the ICG/NEAMTWS,
- Information messages and material corresponding to the stages in time of a tsunami event.

#### Earthquake Data

Earthquake data comprise a moment magnitude value, and a hypocentre (i.e. location coordinates in latitude, longitude and depth). Additionally, a time stamp is required, which will correspond to the simulated earthquake's origin time.

#### Tsunami Arrival Time: Tsunami Forecast Points

Tsunami Forecast Points (TFP) are chosen by Member States and used by the designated TSPs in alert messages. They may correspond to important coastal cities or populations, and/or to the locations of tide-gauges (also referred to as sea-level gauges or mareographs). In addition, some NTWCs may be able also to forecast tsunami wave heights at the forecast points in order to decide on the level of tsunami threat. In the NEAM region, the level of threat for a given country or region is defined in terms of its distance and magnitude to the earthquake source and not by the estimated tsunami arrival time, as happens in the Pacific region.

Estimated tsunami arrival times (ETAs) for a country's forecast points that meet the criteria will be listed in the tsunami alert messages issued by the TSPs.

For the selection of TFPs, the following criteria have been used:

- Locations of ports, shipyards, marinas, oil refineries, coastal airports, tourist destinations, densely populated beaches and existing tide-gauge stations.
- At least one point for each administrative division has been selected. If the administrative division has a coast on more than one sea, additional forecast points could be selected.
- Priority is given to the existing tide-gauge stations. No limits are applied to the number of tide-gauge stations per administrative division.

#### Arrival times at forecast points are given as follows:

Arrival of the first wave in hours, minutes and seconds after the rupture time (time stamp of the earthquake), as it is calculated by dedicated software. All times provided are given in UTC.

Together with the exercise scenarios, all the tsunami alert messages are provided in the related documents, so as to allow Member States to plan their respective exercise's Phase B, i.e. the national exercise activities to be performed with reference to a specific NEAMWave scenario.

Specific details of the tsunami messages to be used by the TSPs are provided in the *NEAMTWS Interim Operational Users Guide for the Tsunami Early Warning and Mitigation System in the North-eastern Atlantic, the Mediterranean and Connected Seas*, ([NEAMTWS Interim Operational Users Guide](#)).

Moreover, the IOC manual entitled *Reducing and managing the risk of tsunamis* ([IOC/2011/MG/57 REV.2](#)) provides the architecture of the "Tsunami Early Warning through NEAMTWS" ([Section 4](#).)

In conclusion, the following key features are included in all the scenario descriptions:

- The basic earthquake assumed to cause the event (location, magnitude and origin time).
- A set of three plots, describing the basic characteristics of the tsunami wave propagation:
  - An isochrone chart with arrival time iso-lines.
  - A wave energy plot with maximum tsunami-induced sea level elevation for the entire domain.
  - A map, indicating coastal impact levels according to the agreed levels.
- Complete set of information bulletin to be disseminated during the exercise.
- A brief time-line explaining the standard operational procedures applied by the TSP in case of a potential tsunami event.

The scenarios contain also a list of (preliminary) forecast points, where arrival times and wave heights are estimated, but not actually included and disseminated to Member States during the exercise. Forecast points should be chosen such that they correspond to a well-defined geographical location at the coast. Thus, wave heights computed correspond to a water level above ground at the shore. Consequently, the arrival times correspond to arrival of the wave at the shore.

It is important to note that since no real-world data set is used, the scenario data will comprise a certain level of ambiguity. This is not considered to be a problem, as long as the scenario is broadly consistent with common observations. In order to achieve this consistency, modelling would be applied to derive the scenario data.

#### **4. PARTICIPATION**

Each ICG/NEAMTWS Member State is invited to participate in the NEAMWave exercise. Participation levels may be different because it is up to each Member State to freely decide if and how to be part of the exercise.

Member States wishing to participate in NEAMWave have to fill in an online exercise registration form ([Registration Form](#)). Member States that are already subscribed to the TSP recipients list should register to the exercise through the online Registration Form, only if they need to provide additional information to plan all the phases of the exercise.

Each NEAMTWS Member State can choose to participate in one or more scenarios, since all of them are taking place in different half-days, therefore avoiding overlapping. Participation in

the different scenarios should be decided on the basis of the Member State's interest in the relative scenario play (i.e. geographical area of interest).

For each scenario chosen, the Member State has to specify which of the two or three phases will see its involvement. To participate in NEAMWave, the minimum involvement requested for each chosen scenario is Phase A. However, as already mentioned, the main aim of the exercise is to have CPA involved as much as possible, together with the respective tsunami message recipients (Tsunami Warning Focal Points/National Tsunami Warning Centres, TWFP/NTWC's). Therefore, it is strongly recommended to also implement Phase B, and one of the exercise types.

Together with this manual, details on the scenarios for each NEAMWave are published well in advance of the execution of each exercise.

## 5. DESCRIPTION OF ROLES

### 5.1 NEAMWave EXERCISE TEAM

For the management and conduction of the exercise a dedicated exercise team, NEAMWave Exercise Team, is established during the ICG session where the implementation of next NEAMWave was decided. Having possibility to differ in each tsunami exercise, NEAMWave Exercise Team would consist of the following members: Current Co-Chairs of TT on NEAMWave Exercise, Chairperson and Co-Chairs of ICG/NEAMTWS, current Co-Chairs of WG4, members of the IOC Secretariat and other TT-NEAMWave members willing to participate in the exercise team.

The Exercise Team is responsible for planning, conducting and evaluating the NEAMWave exercise and is coordinated by the Co-Chairs of TT-NEAMWave. During NEAMWave, a "help-desk team" will support the progress of the exercise. The NEAMWave Exercise team can be contacted by email during the whole exercise.

### 5.2 NATIONAL CONTACT FOR THE EXERCISE

The **National Contact for Exercise (NCE)**, also known Tsunami Wave National Contact (after IOC Manuals and Guides 58), is the official country point of contact for the NEAMWave exercises. The NCE has a higher level overview of the exercise, without getting in the operational details of it. By default, Tsunami National Contact (TNC) also serves as NCE, unless communicated otherwise to the IOC. The NCE will ensure that the commitment of participating Member States is fully coordinated by the **Exercise Coordinator** (see 5.3 section), who is responsible for the actual implementation of the stages of the exercise. Planning of the conduct of the exercise will be communicated to the NCE. The NCE will be expected to confirm existing tsunami warning arrangements within the Member State, including the identification of the operational point(s) of contact for the dissemination of tsunami warnings from the NTWC. The NCE will also be responsible for coordinating input for the exercise evaluation.

### 5.3 NATIONAL EXERCISE TEAMS

Each participating Member State is encouraged to appoint its own in-country Exercise Planning Team to develop the exercise further and to tailor it according to its own requirements. The Exercise Planning Team is a group of people responsible for the successful execution of all aspects of the exercise, including exercise planning, conduct and evaluation.

This team, ideally, consists of the **National Contact for Exercise (NCE)**, an **Exercise Coordinator (EC)**, the National **Exercise Director (NED)** and the team members. One person may have more than one role in the team.

- **Role of National Contact (NCE):** Official country point of contact for the NEAMWave exercises. By default, the Tsunami National Contact (TNC) serves as NCE. The NCE has a higher level overview of the exercise.
- **Role of Exercise Director (NED):** A person responsible only to run the exercise. He/She take actions during the exercise and manage the scenario event as it would be in real case for a director of an agency.
- **Role of the Exercise Coordinator (EC):** A person in charge of coordinating all the activities related to the exercise, before, during and after, responsible for the communications with the TT-NEAMWave, responsible for filling the exercise evaluation questionnaires. The EC can also have the role of the NCE.

The Exercise Planning Team should have representatives from all national TWFPs and each major participating agency, but should be kept to a manageable size. The Exercise Planning Team members are generally not exercise players. Instead, due to their high-level involvement, members are ideal for roles such as National Exercise Director (NED) and/or evaluator positions during an exercise within their own agency. Moreover, if exercises are taken down to the provincial or community level, each should have its own Planning Team. The above structure of the National Exercise Team serves only as a suggestion and each MS can design the exercise team according to its needs and available personnel.

#### 5.4 EXERCISE OBSERVERS

International observers are welcomed, particularly those from the other three UNESCO/IOC Tsunami Warning Systems.

Member states are also encouraged to add national observers so that they could validate internal procedures or support for the national part.

### 6. CONDUCT OF NEAMWave

#### 6.1 START OF NEAMWave

The start of the exercise will be controlled by the TSPs in accordance with the schedule decided for each NEAMWave exercise, according to the specific needs each time.

#### 6.2 EXERCISE CONTROL

Each in-country/agency Exercise Director uses the Master Schedule of Events List (MSEL) to control the exercise. He/she ensures that any problems are rectified to keep the exercise flowing. The Exercise Director can modify the flow of the exercise to make sure objectives are met. The National Exercise Director may be assisted by appointed Exercise Control staff with a range of responsibilities in order to keep the exercise running. In such a case, they need to stay in contact with the National Exercise Director throughout the exercise. There could be one Exercise Director for every agency participating in the exercise.

#### 6.3 REAL EVENTS DURING THE EXERCISE

In the case of a real event occurring during the exercise, TSPs and TWFPs/CPAs will give full priority to the event and a decision will be made by TSPs whether to continue or cease their

participation in the exercise. This will depend on several factors, including on the magnitude of earthquake, capacity of TSPs to handle both exercise and real event, as well as if there are reports of immediate loss of lives and casualties from earthquake from any country. Smaller earthquakes ( $M < 4$ ) should, in principle, not be a reason to terminate the exercise. Nevertheless, individual Member States may suspend or terminate the exercise for their own reasons.

#### 6.4 MASTER SCHEDULE OF EVENTS LIST (MSEL)

The Master Schedule of Events List is a detailed sequence of events used by the National Exercise Director/Agency Exercise Coordinators and by the Exercise Control Staff where applicable, to ensure that the exercise runs smoothly. It is also known as a running sheet, programme, script or main event list.

An example of such MSEL follows.

Date	Time (UTC)	Event	Notes
dd/mm/yyyy	T0 - 30 min	Exercise briefing	At the discretion of each MS
dd/mm/yyyy	T0	<b>The tsunamigenic earthquake occurs</b>	
dd/mm/yyyy	T0 + XX min	Depending on the earthquake magnitude and epicentral distance to your country, the earthquake may be felt and even moderate to large destruction may occur. This situation can be taken into consideration in the exercise development.	
dd/mm/yyyy	T0 + XX min	Tsunami Watch Message #1	This first message is based only on earthquake information. At this time there is no confirmation that a tsunami has occurred. However, given the magnitude and location of the scenario, and historical knowledge, it is very likely that a tsunami may have occurred.
dd/mm/yyyy	T0 + XX min	Tsunami Watch Message #2	This message contains the confirmation of the occurrence of a tsunami by tide-gauge observations.
dd/mm/yyyy	T0 + XX min	Tsunami Watch Message #3	This message contains additional information on the tsunami observation by tide-gauges
dd/mm/yyyy	T0 + XX min	End of Tsunami Alert Message	This message marks the end of the exercise messages, but it cannot be considered as an "All-clear" message.
dd/mm/yyyy	T0 + XX min	Exercise briefing	At the discretion of each MS

Table 1–1. Master Schedule of Events List (MSEL)

#### 6.5 END OF EXERCISE NEAMWave

The last message provided by the TSP for NEAMWave is an "End of Tsunami Alert Message". This type of message is issued by a TSP when observations, modelling and historical records show that the disturbances due to the tsunami wave subsided. This must not be confused with an "All Clear" message that can only be given by local authorities that have a more detailed description of the situation (please refer to the [NEAMTWS Operational Guide](#) for details).

Since NEAMWave must have a limited time-span, the sequence of messages needs to be ended even before all coastal areas are relieved from the tsunami waves predicted by the scenario. Please keep in mind that in the event of a real event, this message would likely be sent many hours after.

Finishing the exercise is a controlled activity. The in-country/agency National Exercise Director stops the exercise at a pre-planned time (e.g., this could be the END OF TSUNAMI message).

## **7. EVALUATION OF NEAMWave**

### **7.1 GENERAL CONCEPTS**

The goal of exercise evaluation is to validate strengths and identify opportunities for improvement within the participating organizations. This is to be accomplished by collating supporting data; analysing the data to compare effectiveness against requirements; and determining what changes need to be made by participating organizations, as well as the NEAMTWS as a coordinating group, to support effective tsunami warning and decision making.

Evaluation of the exercise should focus on the adequacy of plans, policies, procedures, assessment capabilities, communication, resources and inter-agency/inter-jurisdictional relationships that support effective tsunami warning and decision-making at all levels of government. Participants that choose to include additional objectives, for example by exercising public warning and/or response plans, can expand the evaluation accordingly. The evaluation of such additional objectives is recommended; however, it will be for the use of the particular participating agency only and is not required for the NEAMWave Evaluation Report.

It is recommended that objective exercise observers be appointed at all exercise points to support the collection of NEAMWave-related data. Observers are to be guided by the exercise objectives and the information required in the Exercise Evaluation Questionnaires. In completing [evaluation forms](#), participating organizations must have the ability to note areas for improvement and the actions that they plan to take without concern that the information carries political or operational risks. Thus, the official Exercise Evaluation Questionnaires is designated as "For Official Use Only" and will be restricted for use by the Exercise Task Team for the sole purpose of compilation of the NEAMWave Summary Report. Some participant countries may, however, decide at their own discretion to share their individual evaluation outcomes with the public.

### **7.2 HOT-DEBRIEF**

An immediate hot debrief should be provided for all participants and staff to capture information and feedback while it is still fresh in their minds. Specifically, for Phase B, for health and safety purposes in functional exercises, it should be ensured that all of the participants and staff are accounted for before releasing people from the exercise.

A suggested format for hot-debrief is to have a short break of about 10 minutes after the end of the exercise, followed by the initial feedback given by the National Exercise Director / Agency Exercise Coordinator. After this, Exercise Players would provide their round-table feedback followed by the Observers feedback.

### **7.3 COLD-DEBRIEF**

A cold-debrief is a more formal debrief held typically within three weeks following the exercise, before the exercise evaluation report is finalized. It could provide all the relevant people with a forum to exchange views and discuss the draft evaluation report.

The cold-debrief process should address the following questions:

- What happened during the exercise?
- What went well?
- What needs improvement?
- What plans, procedures or training programmes need amendment?
- What follow-up is required, including identifying any capability gaps for future capacity building?
- Was the exercise realistic? and
- How could the exercise have been improved?

The debriefing process should remain focused on evaluating the exercise's effectiveness – on issues, successes and problems. It is important to note that personal criticism of individual participants at the meeting must not be allowed.

#### 7.4 EVALUATION REPORTS

An online [survey platform](#) will be used to evaluate NEAMWave exercise (see [Part 2](#)). Therefore, TSPs, TWFP/NTWCs and the other participants of NEAMWave will be requested to contribute to this online survey.

For Phase A, TSPs and TWFP/NTWCs actively participating in NEAMWave are required to fill the exercise evaluation questionnaires provided online to help the evaluation of the exercise by the TT-NEAMWave members. TSPs are also requested to submit a detailed evaluation report to the TT- NEAMWave within 30 days after the exercise.

Participants of Phase B (TWFP/NTWCs and CPAs) are also required to fill the respective exercise evaluation questionnaires provided online, for the evaluation of this phase of exercise by the TT-NEAMWave members, within 30 days after the Exercise.

Phase C evaluation will be completed by the ERCC and participating CPA within 30 days after NEAMWave.

#### 7.5 FINAL EVALUATION REPORT

The NEAMWave Exercise Team coordinated by the Co-Chairs of TT-NEAMWave will be responsible for the compilation, evaluation and assessment of all the reports provided by the participants and will submit a full report to the IOC Secretariat within 90 days after the Exercise. The report will include the following:

- Exercise description,
- Post-Exercise Evaluation Summary and Findings,
- Identification of Best Practices or Strengths,
- Identification of Areas for Improvement, and
- Recommendations on Plans of Action for Improvement.

The NEAMWave Evaluation Report will be submitted to the ICG/NEAMTWS and IOC, and posted to the IOC NEAMTWS Tsunami Programme website as Volume 2 of IOC Technical Series no 217 (IOC/2023/TS/217 Vol.2).

## 7.6 VALIDATION

The final stage of the exercise process is to determine whether or not the exercise has met its objectives. NEAMWave validation compares the performance of the NEAMTWS, Member States, and/or agencies and participants during the exercise against expected performance. After validation, NEAMTWS Member States, or agencies may need to change or develop new plans, procedures, and training programmes. Exercise outcomes may be retested in future tsunami exercises, or new exercises written to meet newly identified needs.

## 8. MEDIA ARRANGEMENTS

Experience in conducting disaster response exercises with simulated events shows that there is always a potential for the public or media to interpret the exercise as a real event. Taking this into consideration, procedures should be set up by all participating entities to address public or media concerns involving this exercise in case of misinterpretation by the media or the public.

The UNESCO Bureau of Public Information will issue an international Media Advisory before the implementation of any NEAMWave exercise providing details of the exercise.

ICG/NEAMTWS Member States should consider issuing one or two exercise press releases to their respective country's media. Member States' press releases will give adequate alert to their country's population and give their local media time to conduct interviews and documentaries with participating exercise organizations in advance of the exercise.

A second Member State press release, one week before the exercise, in conjunction with the UNESCO release, would provide a more detailed description of exercise activities to take place within that country.

[Annex III](#) contains a sample press release in English that can be customized and translated into their national language(s) by the Member States.

## ANNEX I

### **GUIDELINES USEFUL FOR “PHASE B” DESIGN, PLAN, CONDUCTION**

Phase B has the option of different exercises, from simple to more complex exercise including: Orientation Exercise, Drill Exercise, Table top Exercise and Functional to Full Scale Exercise. These are described below:

#### **Orientation Exercise**

An orientation exercise may also be referred to as a “walk through”, and can be conducted through a workshop. It puts people in a place where they would work during a tsunami response, or uses them as participants in a demonstration of an activity. This type of exercise is used to familiarise the players with the activity. It lays the foundation for a more comprehensive exercise programme. In an orientation exercise, there is no time-frame element, which means that the workshop/demonstration activities are not constrained by the timeframe of the NEAMWave. The orientation exercise could be performed after the exercise, making use of the NEAMWave material (e.g. exercise manual, exercise scenarios) to conduct the demonstration/workshop planned at national level.

Orientation exercises are generally used when:

- No previous exercise related to tsunami has been conducted.
- No recent real tsunami events have occurred.
- There is a need to bring together organizations (government, NGOs, private sector) in developing emergency response planning, problem solving, SOPs, and resource integration.
- A new plan has been developed that requires testing.
- There are new procedures.
- There is new staff or a new leadership.
- There is a new facility.
- There is a new risk.
- Personnel’s training is required.

An example of an orientation exercise would be setting up a mock welfare centre to take in tsunami evacuees, and walking staff through how the centre is organized.

Another motivation for an orientation exercise may be because there is a need to provide stakeholders with an overview of authorities, strategies, plans, policies, procedures, protocols, and resources needed (i.e. to be set up) or already available at Country level for responding to a tsunami. This kind of exercise would provide an opportunity to raise awareness among the national emergency operations centre(s) and response officials regarding the NEAMTWS programme and it would pave the way for starting the essential coordination process needed between them and the NTWC for setting up an effective end-to-end warning system at national level.

#### **Drill Exercise**

In a drill exercise, staff physically handle specific equipment or perform a specific procedure or single operation. A drill usually focuses on a single organization, facility or agency such as a national emergency operation centre, hotel, school or village. The exercise usually has a

time-frame element and is used to test procedures. Performance is evaluated in isolation. A drill is a subset of a full-scale exercise.

A drill exercise is used to:

- Assess equipment capabilities.
- Test response time.
- Train personnel.
- Assess interagency cooperation.
- Verify resource and staffing capabilities.

An example of a drill exercise would be activating an Emergency Operations Centre (EOC), testing the relative procedures and all the communications technologies foreseen for the activation of those procedures (e.g. email, telephone, radios) in a tsunami exercise.

**For instance, in NEAMWave Phase A will be conducted as a Drill Exercise**, meaning the ability to send multiple consecutive tsunami messages by the TSPs will be tested.

At national level, the NTCW/TWFP/TNC could coordinate with the respective Civil Protection Agencies (CPA) in order to conduct NEAMWave Phase B as a drill exercise. This would mean organizing the transmission of the alert messages received by the NTCW/TWFP/TNC to the national CPA which, in some cases, could also decide to involve local civil protection authorities through the dissemination of the alert at local level. This last part of the drill exercise could also be performed with a subset of local civil protection authorities used as pilot test sites.

A drill exercise as Phase B within NEAMWave could be fruitfully conducted in order to test, for example, already existing alert procedures at national level in a tsunami scenario. Indeed, Member States are usually equipped and familiar with alert procedures for other (more frequent) risks, such as floods, forest fires, earthquakes. Those procedures could be tested in NEAMWave, in order to verify whether and how they could be adapted to deal with the alert process in the case of a tsunami.

### **Table top Exercise**

A table top exercise may also be referred to as a “discussion exercise”, or “DISCEX”. Participants are presented with a situation or problem that they are required to discuss and for which they formulate the appropriate response or solution. Normally, the exercise requires no simulation other than a scenario and/or prewritten exercise injects. An exercise controller or moderator introduces a simulated scenario to participants and, as the exercise advances (in time), exercise problems and activities (injects) are further introduced. This type of exercise is used to practice problem-solving and coordination of services with or without time pressures. There is no deployment or actual use of equipment or resources.

Table top exercises should be used to:

- Practice group problem solving.
- Promote familiarity with plans.
- Assess plan coverage for a specific case study.
- Assess plan coverage for a specific risk area.
- Examine staffing contingencies.

- Test group message interpretation.
- Assess interagency or interdepartmental coordination.
- Observe information sharing.
- Train personnel (usually staff with equal status or functions).

An example of a table top exercise may involve participants discussing their response to a tsunami threat to a particular area, where the only injects are tsunami messages from the TSPs, as foreseen in NEAMWave.

### **Functional Exercise**

A functional exercise may also be referred to as an “operational” or a “tactical” exercise. It takes place in an operational environment and requires participants to actually perform the functions of their roles.

A response activity is simulated which is usually complex and may require multiple activities to be carried out. It lacks only the people "on the ground" to create a full-scale exercise.

Participants interact within a simulated environment through an exercise control group which provides prewritten injects and respond to questions and tasks developing out of the exercise.

Functional exercises normally involve multi-agency participation (real or simulated) and can focus on one or more geographical areas. Commonly, they involve the testing of standard operating procedures (SOP) and internal/external communications between organizations.

This type of exercise is used to practice multiple emergency functions e.g. direction and control, resource management and communications. It is particularly useful to:

- Evaluate a function,
- Evaluate or test physical facilities use,
- Reinforce or test established policies and procedures ,
- Assess preparedness,
- Test infrequently-used resources,
- Measure resource adequacy, and
- Support policy formulation.

An example of a functional exercise would be a multi-agency response to a potentially devastating tsunami, where evacuation of a coastal community is required. Messages and injects are provided by exercise control and are handled by the participants in the way described in appropriate plans and procedures. Outcomes are generated that would be expected in a real situation.

### **Full-scale exercise**

A full-scale exercise may also be referred to as a “practical” or “field” exercise. It includes the movement or deployment of people and resources to provide a physical response “on the ground” to a simulated situation. It may be considered to be the climax of a progressive exercise programme. It can be “ground” focused only or may include the higher-level response structures. It can be simple (single agency) or complex (multi agency, multi-levels of government from national to local) and can include for example schools or public buildings.

These exercises are typically used to test all aspects of a country's warning and emergency management systems and processes, and to the extent practical, using actual centres and communications methods. They are useful to:

- Assess and improve an operational activity,
- Assess and improve interagency cooperation,
- Assess negotiation procedures,
- Test resource and personnel allocation,
- Manage the public and media,
- Assess personnel and equipment locations, and
- Test equipment capabilities.

Full-scale exercises are the largest, most costly, most time-consuming and most complex to plan, conduct and evaluate.

An example of a full-scale exercise would be a post-impact tsunami response with volunteers representing 'victims' and the emergency services using real rescue equipment at the scene. Coordinated, multi-agency response to the event is exercised. Actual field mobilization and deployment of response personnel is involved.

## ANNEX II

### **GUIDELINES FOR PARTICIPATING IN “PHASE C” – UNION CIVIL PROTECTION MECHANISM**

Member States who want to participate in Phase C must inform the IOC Secretariat (neamwave@unesco.org) and also fill the online [registration form](#) accordingly, especially the Civil Protection Authority (CPA) part.

The Union Civil Protection Mechanism (UCPM) is a reinforced cooperation among 36 national civil protection authorities across Europe. The UCPM currently includes all 27 EU Member States in addition to Albania, Bosnia and Herzegovina, Iceland, Montenegro, North Macedonia, Norway, Serbia, Türkiye, and Ukraine. Depending on how the national civil protection system in the various Participating States is organized, the national civil protection authority is often attributed to the Ministry of Interior (e.g. Germany, France), but could also fall under the remit of the Ministry of Defence (e.g. Sweden). In some cases, it is directly attached to the Prime Minister’s Office (e.g. Italy).

This reinforced cooperation was established in 2001, and further enhanced in 2013 with the adoption of the Council Decision 1313/2013/EU and lately in 2021 with the adoption of the Regulation 2021/836 amending Decision No 1313/2013/EU on a Union Civil Protection Mechanism (UCPM). In particular, the European Commission reinforced the UCPM through the establishment of the rescEU reserve as a safety net in case of disaster within the UCPM area. rescEU has the objective of enhancing both the protection of EU citizens from disasters and the management of emerging risks. This reserve includes a fleet of firefighting planes and helicopters, medical evacuation planes, as well as a stockpile of medical equipment and field hospitals that can respond to health emergencies, and chemical, biological, radiological, and nuclear incidents. All these capacities are or are going to be strategically positioned across the Member and Participating States to the UCPM.

The UCPM enables a coordinated assistance from the participating states to countries victim of natural and man-made disasters in Europe and elsewhere. It also covers prevention and preparedness activities.

Prevention mainly focuses on activities related to risk assessment, risk mapping and capacity mapping. Preparedness aims at better preparing national civil protection systems to face major disasters and to provide assistance to any affected countries that might request international assistance. Preparedness activities include, *inter alia*, early warning systems and training and exercise programmes.

The operational hub of the Mechanism is the Emergency Response Coordination Centre (ERCC) which monitors emergencies around the globe on a 24/7 basis, and coordinates the response of the Participating States in case of a crisis. The response includes the preparation of EU response plans, the deployment of the European Civil Protection Team (EUCPT), the deployment of European Civil Protection Pool (ECPP) and the management of co-financing of transport operations.

The ECPP consists of a voluntary pool of civil protection modules to be used to respond to emergencies, which are pre-committed by the countries participating in the Mechanism. The voluntary pool allows for a more predictable, faster and reliable EU response to disasters. It is also intended to facilitate better planning and coordination at European and national levels.

The civil protection modules are self-sufficient and ready to intervene at short notice both within and outside the EU. They undertake specialized tasks such as search and rescue, aerial forest fire fighting, advanced medical posts and more.

The ERCC has also become the coordination platform within DG ECHO between civil protection and humanitarian aid. It also plays an important role in supporting coordination in case of the activation of the solidarity clause and of multi-sectorial crises.

In addition to facilitate the coordination when a disaster strikes, the ERCC's key tasks are also to monitor and provide timely and reliable information to Participating States.

In order to fulfil its tasks, the ERCC duty officers are using several detection and alert systems, mainly developed in collaboration with the Joint Research Centre (JRC), and are currently supported in the analysis of an event by the ERCC analytical team as well as by European Scientific Partnerships for both natural and radiological/nuclear hazards that are providing a 24/7 scientific advice's service. The natural one is being established by the ARISTOTLE consortium composed of 24 Scientific Institutes.

### Requesting Help

Any country in the world can call on the EU Civil Protection Mechanism for help. Therefore, any country can participate in Phase C by sending a request for international assistance to the ERCC that will then be able to "activate" the Union Civil Protection Mechanism. In addition, a country not participating to the Union Civil Protection Mechanism, may also decide to inform via email the ERCC of the assistance that it intends to provide to the affected country. However, there is no obligation to do so.

When the ERCC receives a request for assistance, ERCC rapidly analyses the request, identifying possible needs and informs the Participating States through the Common Emergency Communication and Information System (CECIS). On the basis of the information posted in CECIS those Participating States willing to help, reply specifying what they can offer to match the identified needs. The ERCC duty officers are then in a position to contact the affected country to inform of the offers and to seek a formal acceptance.

In the meantime, the ERCC may form a EUCPT composed of trained and experienced civil protection experts nominated by the Participating States and selected by the ERCC. Once the EUCPT is deployed on-site, it becomes the eyes and ears of the ERCC and therefore of the Participating States, allowing to fine tune needs, to seek acceptance of the offers and to facilitate the coordination of the incoming assistance with the national authorities and the other international actors on site.

Usually, Participating States offer in-kind assistance such as shelter, water purification tablets or generators and deploy modules which are specialised teams that perform specific functions such as search and rescue operations, primary and secondary health care or water purification.

Those teams and the equipment they use comply with pre-defined standards and can perform specific tasks.

ANNEX III

**SAMPLE PRESS RELEASE**

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USE AGENCY HEADER HERE

**Contact:** (insert name)  
(insert phone number)  
(insert email address)

**FOR IMMEDIATE RELEASE**  
(insert date)

**NEAMWaveXX**

**TSUNAMI TEST and EXERCISE in the NORTH-EASTERN ATLANTIC, MEDITERRANEAN AND CONNECTED SEAS TO BE CONDUCTED XXXX, XX, 20XX**

(insert country name) will join other countries in the North-eastern Atlantic, Mediterranean and Connected Seas (the NEAM region) as a participant in a tsunami test and response exercise on XXXX XX, 20XX. The purpose of this exercise is to evaluate local tsunami response plans, increase tsunami preparedness, and improve coordination throughout the region.

Regional and national tsunami warning systems in every ocean must maintain a high level of readiness so that all the actions relevant to the public's safety can be provided effectively and efficiently during fast-onset and rapidly-evolving natural disasters such as tsunamis. To maintain a high state of operational readiness, National Tsunami Warning Centres (NTWCs) and Civil Protection agencies must regularly practice their emergency response procedures to ensure that vital communication links work seamlessly, and that agencies and response personnel know the roles that they will need to play during an actual event. This important exercise will test the current procedures of the Tsunami Warning System and help identify operational strengths and weaknesses in each country.

The exercise, called NEAMWaveXX, will simulate a widespread Tsunami Service situation throughout the NEAM region which requires implementation of local tsunami response plans. It is the XXXXX international exercise in this region. The exercise will (insert "include" or "not include") public notification. (Maybe specify here the level of the exercise, table-top, functional,...)

The exercise will play a scenario that a major earthquake of a given magnitude has occurred and a tsunami has been generated at XX:XX (UTC or local time) on XXXXX XX, 20XX. Exercise participants will be provided with a Manual which describes the scenario and contains the tsunami messages that will be broadcast in real-time by the Tsunami Service Provider XXXXXX.

[Insert paragraph tailored for specific Member State, such as if the centre is a TSP or TMR. Could identify participating agencies and specific plans. Could describe current early warning program, past tsunami (and or earthquake) exercises (or Communication Testes if any), ongoing mitigation and public education programs, etc. Could describe tsunami threat, history of tsunami hazards, if any.]

If any real tsunami threat occurs during the time period of the exercise, the exercise will be terminated.

The exercise is coordinated by the UNESCO/IOC Intergovernmental Coordination Group for Tsunami and Other Coastal Hazards Warning System for the North-eastern Atlantic, Mediterranean and Connected Seas (ICG/NEAMTWS), (Include other international organizations, EU? MIC? Caribbean ICG?).

- See [www.XXXXX](#) for more information on the ICG/NEAMTWS and see [www.XXXXX](#) for more information on the NEAMWave exercise. Insert additional state/ emergency response URLs and other national/international participating organizations.

## ANNEX IV

### LIST OF ACRONYMS

<b>CENALT</b>	CENtre d'ALerte aux Tsunamis (France)
<b>CPA</b>	Civil Protection Agency/Authority
<b>CTE</b>	Communication Test Exercise
<b>CTSP</b>	Candidate Tsunami Service Provider
<b>EMO</b>	Emergency Measures Organization
<b>EOC</b>	Emergency Operations Centre
<b>EC</b>	Exercise Coordinator
<b>EPT</b>	Exercise Planning Team
<b>ERCC</b>	Emergency Response and Coordination Centre
<b>ETA</b>	Expected time of Tsunami Arrival
<b>GTS</b>	Global Telecommunication System
<b>ICG</b>	Intergovernmental Coordination Group
<b>INGV</b>	Instituto Nazionale di Geofisica e Vulcanologia (Italy)
<b>IOC</b>	Intergovernmental Oceanographic Commission of UNESCO
<b>IPMA</b>	Instituto Português do Mar e da Atmosfera
<b>KOERI</b>	Kandilli Observatory and Earthquake Research Institute (Türkiye)
<b>MS</b>	Member States
<b>MSEL</b>	Master Schedule of Events List
<b>NCE</b>	National Contact for the Exercise
<b>NEAMTWS</b>	Tsunami Early Warning and Mitigation System in the North-Eastern Atlantic, the Mediterranean and Connected Seas
<b>NED</b>	National Exercise Director
<b>NOA</b>	National Observatory of Athens (Greece)
<b>NTWC</b>	National Tsunami Warning Centre
<b>SOP</b>	Standard Operating Procedures
<b>TMR</b>	Tsunami Message Recipients
<b>TNC</b>	Tsunami National Contact
<b>TSP</b>	Tsunami Service Provider
<b>TT-NEAMWave</b>	Task Team on NEAMWave Exercise
<b>TWFP</b>	Tsunami Warning Focal Point
<b>UCPM</b>	Union Civil Protection Mechanism
<b>UTC</b>	Coordinated Universal Time

## PART 2: EXERCISE SUPPLEMENTS

### 1. SCOPE AND OBJECTIVES OF NEAMWave26

The ICG/NEAMTWS, during its Steering Committee meeting held on 15–16 March 2025 in Istanbul, Türkiye, proposed organising the sixth NEAMWave Exercise (NEAMWave26) in March 2026, aligning its timing with local community exercises planned by CoastWAVE 2.0 countries for Tsunami Ready recognition.

At the meeting, it was agreed that NEAMWave26 will take place from 3 to 24 March 2026 and will include five distinct scenarios. This multi-scenario approach will offer Member States greater flexibility, enabling them to select the scenarios that best match their preparedness objectives.

NEAMWave26 aims to achieve a higher level of engagement from national emergency managers and civil protection agencies and so these agencies are encouraged to actively participate in the Exercise, in cooperation with the respective Tsunami Warning Focal Point (TWFP), National Tsunami Warning Centre (NTWC) and ERCC. An active participation of the CPA of a Member State would consist of:

- Receiving the alert messages from the respective TWFP/NTWC, and
- If possible, simulating the consequent operational actions.

The objectives for NEAMWave26 are:

1. Validate and evaluate the Tsunami Service Provider (TSP) dissemination process of issuing Tsunami Messages in the NEAM region, also utilizing communication technologies, like SMS;
2. Validate and evaluate the procedures for countries to receive the Tsunami Messages issued by the TSP through their National Tsunami Warning Centres (NTWC), or the country Tsunami Warning Focal Points (TWFP) or the country Tsunami National Contacts (TNC);
3. Test the dissemination of the tsunami messages to the relevant agencies that are responsible for emergency response (CPA);
4. Assess the organizational decision-making process about public warnings and evacuations thus raising awareness of launching and contributing to the development of a national policy to tackle the tsunami risk.
5. Identify best practices (to be shared), criticalities (to be addressed by the programme in the future activities) and room for improvements in the entire process (including the procedures already tested between TSPs and TWFPs/NTWCs and also the heterogeneous panorama of national capacities to handle tsunami risk).
6. Test procedures for international assistance between the European Commission and participating Member States.
7. For this exercise (NEAMWave26), a key objective is the involvement of Member States that participate in the [CoastWAVE 2.0 project](#), as well as existing recognized Tsunami Ready communities. This exercise will test the efficiency and the abilities of the pilot IOC-UNESCO Tsunami Ready communities to respond in a complex and realistic situation, overcoming any challenges that may arise.

Within the above framework, each country is invited to develop its own specific objectives for the exercise.

Building on the successful experience of NEAMWave23, an important objective of NEAMWave26 is to engage the CoastWAVE 2.0 pilot communities implementing IOC-

UNESCO Tsunami Ready Recognition Programme, along with already recognized Tsunami Ready communities. NEAMWave26 offers IOC–DG ECHO CoastWAVE 2.0 partner countries a valuable opportunity to work toward fulfilling Indicator 8, conducting a community tsunami exercise, thereby supporting their progress toward achieving IOC-UNESCO Tsunami Ready recognition.

By participating in this exercise, they will benefit from the guidance and support of experts in the field of tsunami preparedness. They will also gain valuable insights and feedbacks from other participants and stakeholders involved in the project.

The CoastWAVE 2.0 project aims to improve the preparedness and response of coastal communities to tsunami events. As part of this project, the participating countries are expected to take part in Phase B, which involves conducting a local exercise using the NEAMWave26 scenario. By participating in Phase B, the countries can test their tsunami warning systems, emergency plans and public awareness campaigns, by implementing one of the following options:

- i. Conduct a functional/full-scale exercise, on the day of NEAMWave26, with the scenario provided;
- ii. Conduct a functional/full-scale exercise, on a different date, with the scenario provided for NEAMWave26;
- iii. Conduct an drill/table-top exercise, on the day of NEAMWave26, with the scenario provided.

NEAMWave26 will be conducted on the 3 and 24 of March 2026 by the five accredited Tsunami Service Providers: CENALT (CENTre d’ALerte aux Tsunamis, France), NOA (National Observatory of Athens, Greece), INGV (Istituto Nazionale di Geofisica e Vulcanologia, Italy), IPMA (Instituto Português do Mar e da Atmosfera, Portugal) and KOERI (Kandilli Observatory and Earthquake Research Institute, Türkiye). The chosen period, approximately six months after World Tsunami Awareness Day on 5 November, provides Member States with an additional opportunity to organise events linked to the exercise and to further promote tsunami awareness, effectively creating two awareness-raising moments each year. Five different exercise scenarios prepared for North-Eastern Atlantic, Central and Eastern Mediterranean regions, as well as the Black Sea will be utilised. For the first time, both joint and single scenarios will be implemented, with some TSPs delivering more than one scenario to meet the diverse needs of Member States. It will also be the first occasion on which National Tsunami Warning Centers collaborate with the TSPs in developing the scenarios.

The five accredited [Tsunami Service Providers](#) (TSPs) in NEAM region will issue exercise messages using five different exercise scenarios (SN), as listed in the [IOC CL-3063](#):

- SN-01:** 3 Mar, [Cyprus Arc](#): Single scenario by NOA (7.5 Mw, 34.63°N, 32.68°E)  
**SN-02:** 11 Mar, [Ionian Sea](#): Joint scenario by INGV & NOA (7.9 Mw, 36.40°N, 22.20°E)  
**SN-03:** 12 Mar, [Ligurian Sea](#): Joint scenario by CENALT & INGV (6.9 Mw, 43.42°N, 7.50°E)  
**SN-04:** 13 Mar, [Black Sea](#): Single scenario by KOERI (7.5 Mw, 44.04°N, 33.60°E)  
**SN-05:** 24 Mar, [NE Atlantic Ocean](#): Joint scenario by IPMA & CENALT (8.5 Mw, 36.64°N, 11.80°W).

The technical details of each scenario are described in [section 7](#).

In addition, Phase C will be implemented during NEAMWave26 using the joint tsunami exercise scenario prepared by IPMA (Portugal) and CENLAT (France) in the NE Atlantic Ocean. This phase will simulate a request for international assistance through the Union Civil Protection Mechanism of the European Commission Emergency Response and Coordination Centre (ERCC) ([Annex I](#)).

**Each NEAMTWS Member State will be able to choose either to participate in all or a selection of these scenarios.**

To allow Member States to participate in more than one scenario, each scenario will run on a more flexible schedule, about 2 per week, and not back-to-back, avoiding any overlap.

## **2. BACKGROUND INFORMATION OF PREVIOUS NEAMWAVE EXERCISES**

### **Exercise NEAMWave 12**

The first tsunami exercise, [NEAMWave 12](#) was conducted on 27 and 28 November 2012. Since NEAMWave 12, the NEAMTWS has started its operational phase of the exercise. NEAMWave 12 involved the simulation of the assessment of a tsunami, based on an earthquake-driven scenario followed by alert message dissemination by four then candidate TSPs (CTSPs): CENALT (CENTre d'ALerte aux Tsunamis, France), NOA (National Observatory of Athens, Greece), IPMA (Instituto Português do Mar e da Atmosfera, Portugal) and KOERI (Kandilli Observatory and Earthquake Research Institute, Türkiye), in Phase A and continued with the simulation of the TWFP/NTWCs' and CPAs' actions in Phase B, as soon as the message produced in Phase A has been received. There were multiple scenarios in NEAMWave 12, where each CTSP was responsible for a single scenario. NEAMWave 12, as the first Tsunami Exercise in NEAM, attempted to assess the national and local warning dissemination and response mechanisms put in place by Member State CPAs upon the reception of a Tsunami warning from their TWFPs. In addition, NEAMWave 12 also addressed the questions related to the evaluation of alert messages by CTSPs and the issuance of the tsunami messages to TWFPs, as in the previous communication test exercises.

### **Exercise NEAMWave 14**

The second tsunami exercise, [NEAMWave 14](#) was conducted on 28 and 30 October 2014 based on four different scenario events (Western Mediterranean, Black Sea, North-East Atlantic, and Eastern Mediterranean) and was structured in 3 phases: Phases A, B and C. Phase A was the simulation of a submarine earthquake and consequent tsunami detected by the Candidate Tsunami Service Providers (CTSPs): CENALT (France), NOA (Greece), IPMA (Portugal) and KOERI (Türkiye). Phase B took place as soon as the message produced in Phase A was received by the respective Tsunami Warning Focal Points (TWFP), National Tsunami Warning Centres (NTWC) or the Tsunami National Contacts (TNC). In this phase, the simulation continued at national level. This was the first time that Phase C was carried out. This phase was only performed for the Eastern Mediterranean scenario at the international level on 30 October 2014 in order to simulate a real situation. The Emergency Response and Coordination Centre (ERCC) of the European Commission (EC) through the Civil Protection Mechanism (CPM) was responsible for planning and activating the procedures for provision of international assistance to those affected countries which requested it.

### **Exercise NEAMWave 17**

The third tsunami exercise, [NEAMWave 17](#), was conducted between 31 October and 3 November 2017, after the successful accreditation of four candidate Tsunami Service Providers, i.e. CENALT (CENTre d'ALerte aux Tsunamis, France), NOA (National Observatory of Athens, Greece), INGV (Istituto Nazionale di Geofisica e Vulcanologia, Italy) and KOERI (Kandilli Observatory and Earthquake Research Institute, Türkiye). The aforementioned TSPs, as well as one Candidate Tsunami Service Provider, i.e. IPMA (Instituto Português do Mar e da Atmosfera, Portugal) carried out the exercise by using four different scenarios prepared for Western, Central and Eastern Mediterranean and North-east Atlantic domains. For the first time a joint scenario was executed by NOA and INGV in the Central Mediterranean, with NOA and INGV disseminating their own tsunami exercise messages regarding this joint scenario.

### Exercise NEAMWave 21

The fourth tsunami exercise, [NEAMWave 21](#), was conducted between 8 and 10 March 2021, by the five accredited Tsunami Service Providers: CENALT (CENTre d'ALerte aux Tsunamis, France), NOA (National Observatory of Athens, Greece), INGV (Istituto Nazionale di Geofisica e Vulcanologia, Italy), IPMA (Instituto Português do Mar e da Atmosfera, Portugal) and KOERI (Kandilli Observatory and Earthquake Research Institute, Türkiye). The second week of March was selected as the time to perform the exercise corresponding to the 10th commemoration of the 11 March 2011 Tohoku Tsunami. Three different exercise scenarios, one single and two joint, prepared for North-Eastern Atlantic, and Central and Eastern Mediterranean regions were utilised.

### Exercise NEAMWave 23

[NEAMWave 23](#) was the fifth exercise, held on 6–7 November 2023. It tested the operational readiness of Tsunami Service Providers, National Tsunami Warning Centres, and Civil Protection authorities through two joint earthquake-generated tsunami scenarios, one in the North-eastern Atlantic and one in the Mediterranean Sea. During the exercise, TSPs issued simulated tsunami alerts, which participating countries used to activate national procedures, test communication workflows, and evaluate decision-making chains. A key objective was the active participation of CoastWAVE partners, ensuring collaboration between regional scientific institutions, operational centers, and local authorities, while also involving communities through the Tsunami Ready initiative to enhance public preparedness.

## 3. CONTACT INFORMATION OF NEAMWAVE 26 EXERCISE TEAM MEMBERS

The Exercise Team is responsible for planning, conducting and evaluating the NEAMWave 26 exercise and will be coordinated by the Co-Chairs of TT on NEAMWave Exercise. The details of exercise team members are given in the table below.

Name	Surname	Institution	Email
Ceren	Ozer Sozdinler	GTU, Türkiye	ceren.ozersozdinler@gtu.edu.tr
Marinos	Charalampakis	NOA, Greece	cmarinos@noa.gr
Pascal	Roudil	CENALT, France	Pascal.ROUDIL@cea.fr
Fatih	Turhan	KOERI, Türkiye	fatih.turhan@bogazici.edu.tr
Beatriz	Gaite	IGN, Spain	bgaites@transportes.gob.es
Suzan	M. El-Gharabawy	NIOF, Egypt	suzyoooo@yahoo.com
Amr	Hamouda	NIOF, Egypt	amr@niof-eg.com
Denis	Chang Seng	UNESCO IOC	d.chang-seng@unesco.org

Table 1–2. List of NEAMWave 26 Exercise Team Members

During NEAMWave 26, a “help-desk team” will support the progress of the exercise. You can contact the NEAMWave 26 Exercise Team by email before and during the whole exercise, as indicated in the table above.

## 4. CONCEPTS ON THE COMPOSITION OF TSUNAMI MESSAGES

As part of their Standard Operating Procedures (SOP) for responding to potentially tsunamigenic events, the TSPs calculate expected tsunami arrival times (ETA) to various, pre-determined Coastal Forecast Points. These forecast points are chosen by each Member State.

They may correspond to important coastal cities, and/or to the locations of sea level gauges. TSPs (and/or NTWCs) may be able also to forecast tsunami wave heights at the forecast points in order to decide on the level of tsunamigenic threat.

The level of threat for a given country or region is defined in terms of its distance to the earthquake source and not by the estimated tsunami arrival time, as is the case in the Pacific. When a country is in a “Watch” or “Advisory” status, the ETAs for its forecast points that meet the criteria will be listed in the tsunami bulletins issued by the TSPs.

The ICG/NEAMTWS at its 12th session ([ICG/NEAMTWS-XII/3](#)) held in Dublin, 16-18 November 2015, it was decided that each TSP provides threat level information based on their best practices, including (possibly different) decision matrices, scenario databases or other methods.

Bulletins from a TSP informing about a tsunami event are of two types. Each shows the Areas Affected (AA) by country or country forecast zone and each is accompanied by an Authority Statement (AS) and an Evaluation Statement (ES).

- A Tsunami Watch message is issued by the TSP whenever the seismic information or/and sea-level data indicate that any part of the NEAM coastline may be impacted by a tsunami with a wave height greater than 0.5 m, and/or when tsunami run-up is expected to be higher than 1 metre. A Tsunami Watch is the highest severity level of a tsunami alert message and it must be considered that the tsunami waves, if generated, pose a real threat to exposed coastal populations and may be damaging;
- A Tsunami Advisory message is issued by the TSP whenever the seismic information or/and sea level data indicate that any part of the NEAM coastline may be impacted by a tsunami with a wave height from 0.2 to 0.5 m, and/or when tsunami run-up is expected to be less than 1 meter.

Initial Tsunami Watch and Tsunami Advisory messages are based solely on seismic data received from detection networks by the TSP(s). Supplementary, follow-up messages based on tide-gauge data, as well as seismic data may confirm the generation of a tsunami, or, depending on the sea-level data received by the TSP, they may downgrade or cancel the Tsunami Watch or Tsunami Advisory message.

The estimated tsunami arrival (ETA) times received by the TWFP should be used with caution by the NTWC. All times given are in UTC (Coordinated Universal Time) and it is the task of the NTWC to convert these to local time as required. ETA will be provided only for Coastal Forecast Points, with the forecast point locations ordered in terms of ETA. If or when tsunami wave data become available – usually after the issue of the initial alert message – the TSP will report wave measurements at key coastal and deep ocean sea-level gauges. Each measurement includes the name and coordinates of the gauge, the time of the measurement, the maximum observed wave amplitude in metres (relative to normal sea level) and, if available, the period of the wave in minutes.

Two other types of message may be issued by a TSP:

- Tsunami Information message to advise on the occurrence of a major earthquake in the NEAM region, but with an evaluation that there is no tsunami threat;
- Tsunami Communication Test message, usually at unannounced times, to identify possible delays in disseminating tsunami messages by email, fax, GTS and preferably SMS, to test the operation of the system by requiring a response; and to keep TSP and NTWC operations personnel familiar with the procedures for handling tsunami message traffic.

A Tsunami message may include Tsunami Information, Tsunami Advisory and Tsunami Watch together, depending on the distribution of the tsunami wave heights in the region of interest and/or distribution of the countries subscribed to the message services of TSP.

## 5. PARTICIPATION (REGISTRATION)

Each NEAMTWS Member State is invited to participate in the NEAMWave 26 exercise. Participation levels may be different depending on the own decision of the Member State about how to be a part of the exercise.

### Online Exercise Registration Form

Member States wishing to participate in NEAMwave 26 exercise have to fill in the online exercise registration form provided by the Secretariat with the official NEAMWave 26 [Circular Letter 2822](#) or visit the following link: <https://tsunami.ioc.unesco.org/en/neamwave26>

Registration to the exercise should be completed no later than the 31<sup>st</sup> of January 2026. **Member States subscribed as recipients of a Tsunami Service Provider do not need to register separately to the exercise through the online form, as they will receive the exercise messages, for the specific scenario conducted by their subscribed TSP, as part of the full service provided by the TSPs.** Registration is essential if (i) supplementary information is required to organize all phases of the exercise, or (ii) for participation in a scenario conducted by a TSP other than the one subscribed to.

This year, a dedicated registration form will be available for national and local authorities that are not acting as TNCs, TWFPs, or NTWCs but wish to register and participate in the exercise in Phase B. However, TSPs will not disseminate any warning messages to this group. Instead, message delivery should be carried out by TWFPs and NTWCs in accordance with their established or tested SOPs. Members of the public may also complete the registration form; however, no direct warning messages will be disseminated to them (except the cases of already established cell broadcasting service).

Each NEAMTWS Member State can choose to participate in one or more scenarios, as they will be implemented on different days to avoid overlapping ([Table 2-2](#)). Participation in the different scenarios should be decided on the basis of the Member State's own interest. For NEAMWave 26, the geographical areas of implementation are decided as the North-Eastern Atlantic and the Eastern Mediterranean.

Date	TSPs	Title	Epicenter (Lat - Lon)	Magnitude	Description
3- Mar 2026 09:00 UTC (3 hours)*	NOA	Cyprian Arc	34.63N - 32.68E	7.5	1222 SW of Cyprus
11-Mar-2026 09:10 UTC (3½ hours)*	INGV-NOA	Ionian Sea	36.40N - 22.20E	7.9	1867 Peloponnesus
12-Mar-2026 09:10 UTC (3½ hours)*	CENALT- INGV	Ligurian Sea	43.42N - 7.50E	6.9	1887 LigurianSea Earthquake

Date	TSPs	Title	Epicenter (Lat - Lon)	Magnitude	Description
13-Mar-2026 09:00 UTC (3½ hours)*	KOERI	Black Sea	44.04N - 33.60E	7.5	Black Sea
24-Mar-2026 09:00 UTC (6 hours)*	IPMA- CENALT	NE Atlantic Ocean	36.64N - 11.80W	8.5	Gorringe Bank fault

\* Duration of message dissemination by TSPs

Table 2–2. The timetable of NEAMWave 26 Scenarios

For each scenario chosen, Member State has to specify the phases of exercise (see also [Volume 1](#)) that they will see its involvement. To participate in NEAMWave 26, the minimum involvement requested for each chosen scenario is Phase A. However, as already mentioned, one of the main aims of the exercise is to have CPA involved as much as possible, together with the respective tsunami watch recipients (Tsunami Warning Focal Points / National Tsunami Warning Centres, TWFPs / NTWCs). Therefore, it is strongly recommended to also implement Phase B, at least in one of the chosen scenarios. It is also recommended that all the counties involved in the CoastWAVE 2.0 project, as well as existing recognized Tsunami Ready communities, implement Phase B and conduct their local exercise based on the NEAMWave 26 scenario. This will ensure a consistent and realistic simulation of a tsunami event in the region.

It will be up to the communities participating in the exercise to decide how best to register or record participants (who, how many) in the exercise and document how the exercise was generally performed. For instance, 2 schools in the tsunami risk zone with 100 students participated in the exercise.

For the joint scenario by IPMA(Portugal) & CENALT(France), i.e. NE Atlantic Ocean – Gulf of Cádiz, a Phase C will be implemented in cooperation with the European Commission Emergency Response Coordination Center (ERCC). Thus, Member States wishing to conduct Phase C, should choose to participate in the specific scenario, by filling the requested parts of the online exercise registration form, related to Phase C.

## 6. EVALUATION OF NEAMWave 26

An online survey platform will be used to evaluate NEAMWave 26 exercise. Therefore, TSPs, TWFP/NTWCs and the other participants of NEAMWave 26 will be requested to contribute to this online evaluation survey.

### Phase A Evaluation

For Phase A, TSPs, as message providers and TWFP/NTWCs, as message recipients, actively participating in NEAMWave 26 are required to fill the exercise evaluation questionnaires provided at <https://tsunami.ioc.unesco.org/en/neamwave26>

## Phase B Evaluation

Participants of Phase B (TWFP/NTWCs and CPAs) are also required to fill the respective exercise evaluation questionnaires available at <https://tsunami.ioc.unesco.org/en/neamwave26>

## Phase C Evaluation

The ERCC and the participating CPAs to Phase C are also requested to fill the respective exercise evaluation questionnaires available at <https://tsunami.ioc.unesco.org/en/neamwave26>

The deadline for filling the online survey for all phases is the 17 April 2026. TSPs are also requested to submit a detailed evaluation report to the TT-NEAMWave by the 22 May 2026.

## Evaluation of community based exercise/activities

The local communities are encouraged to organize their own method for evaluating the results of the exercise at local level and report to the ICG/NEAMTWS. Exercise Coordinators of the local exercise teams or the National Exercise Coordinator should be in charge for designing, coordinating and reporting on the evaluation of the local activities.

## **7. NEAMWave 26 SCENARIOS**

### **7.1 EASTERN MEDITERRANEAN (EM) TSUNAMI SCENARIO: 1222 SW CYPRUS EARTHQUAKE<sup>1</sup>**

**HLNTWC - NOA (NEAMTWS/TSP Greece)  
CCD (NEAMTWS/NTWC Cyprus)  
GSD (NEAMTWS/TNC Cyprus)**

#### ***Eastern Mediterranean Tsunami Scenario for NEAMWave26***

*Prepared by*

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**1. Introduction** –*Message Provider* briefly describes the scenario proposed (e.g., if based on an historical, recent or hypothetical event; the tectonic framework of the epicentral area; the reference competence area; historical tsunami events)

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<sup>1</sup> The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariats of UNESCO and IOC concerning the legal status of any country or territory, or its authorities, or concerning the delimitation of the frontiers of any country or territory. The information and maps presented here do not necessarily reflect the views and position of the United Nations, UNESCO, IOC or any affiliated Member State.

This scenario was prepared jointly under the collaboration of HLNTWC-NOA and CCD, which act as two National Tsunami Warning Centers of NEAMWave26. It is based on the earthquake of 11 May 1222, which struck the SW coast of Cyprus, along the Cyprian Arc. It was a very strong event, estimated at around Mw 7.5, which completely ruined Paphos and Limassol, and was widely felt on the coastal areas on the mainland in Egypt (Ambraseys, 2009). The earthquake also generated a tsunami, observed at nearby shores, which caused the harbor of Paphos to 'dry up'. Elsewhere in Cyprus, the shoreline retreated some distance offshore. There is no evidence that the influx of the sea caused any damage on land.

For the joint scenario, we are considering a hypothetical tsunami event affecting mainly the Eastern Mediterranean Sea, which is based on an earthquake of magnitude Mw 7.5 occurring in what is estimated to be the location of the 1222 event, along the coast of SW Cyprus. The rupture area of the scenario covers a region of about 1800 km<sup>2</sup>.

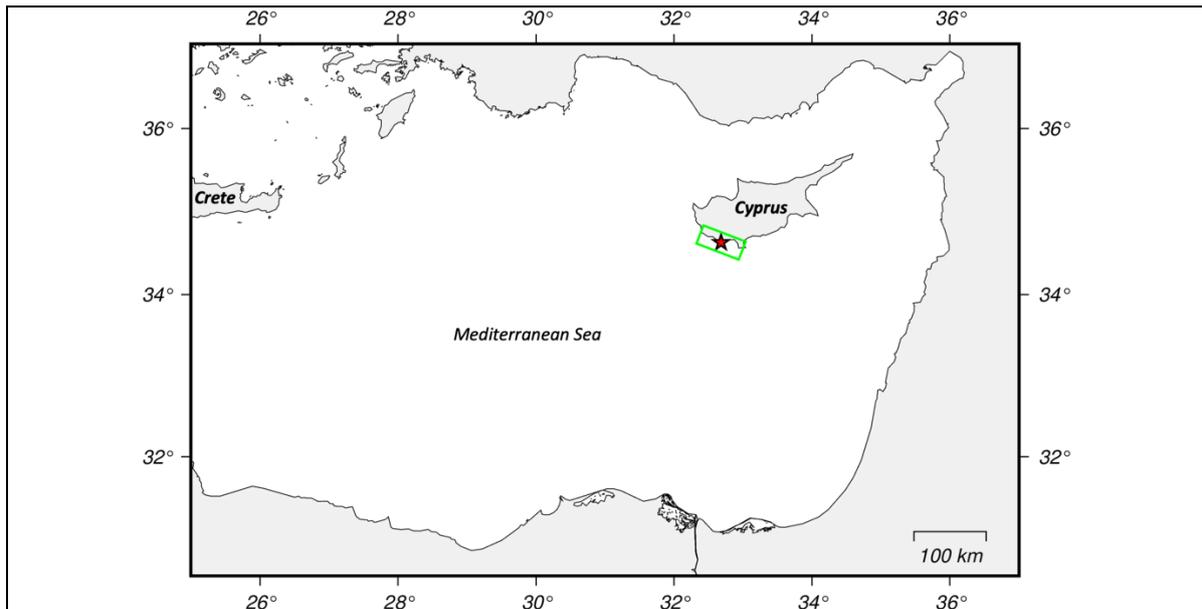
As illustrated later on, an earthquake like this would trigger, based on the decision matrix currently in use at HLNTWC-NOA, a Tsunami Watch for up to 400 km from the epicenter and a Tsunami Advisory for the entire Mediterranean basin.

**2. Event Information** - *Message Provider involved briefly supplies the earthquake parameters (lon, lat, depth, magnitude, strike, dip, rake, slip, fault's size, scaling laws, etc)*

**Table 1 – Earthquake parameters**

<b>Earthquake parameters</b>	
<b>M<sub>w</sub></b>	7.5
<b>Longitude, center (deg, E)</b>	32.6817
<b>Latitude, center (deg, N)</b>	34.6315
<b>Depth, center (km)</b>	8.5
<b>Rupture Area (km<sup>2</sup>)</b>	60x30
<b>Slip (m)</b>	4
<b>Rigidity (GPa)</b>	30
<b>Rake (deg)</b>	90

The earthquake rupture area (Figure 1) is defined along the SW coast of Cyprus, modelled by a planar surface. The fault rupture area, coordinates, strike, rake and dip angles have been sourced from Tinti et al. (2013). The earthquake is represented by a uniform slip distribution whose average slip value is equal to 4 m, which, considering a rigidity value of 30 GPa, results in Mw = 7.5. We adopt a purely thrust mechanism (rake=90°) and a hypocentral depth that leaves a 1 km gap between the fault rupture updip edge and the surface.



**Figure 1** – Sketch of the scenario earthquake rupture area (green line); red star represents the center of the fault rupture area.

**3. Numerical modelling** - Message Provider involved briefly specifies the tsunami propagation modelling adopted (e.g., initial condition, propagation code, etc.); tsunami simulation output provided (e.g., some selected tsunami waveforms, maximum wave height offshore or close to the coast, travel times, etc.).

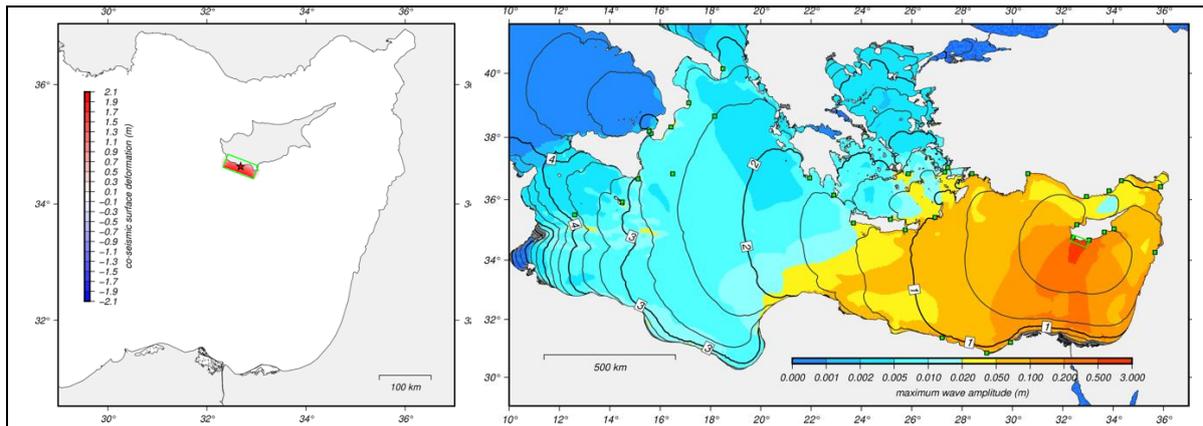
Please provide figures for a) Tsunami initial condition, b) distribution of maximum wave height, c) distribution of wave travel times, d) selected tsunami waveforms, and e) map showing the alert level at forecast points

Static tsunami initial conditions were computed in a homogeneous half-space using the Okada (1985) analytical equations (Figure 2a).

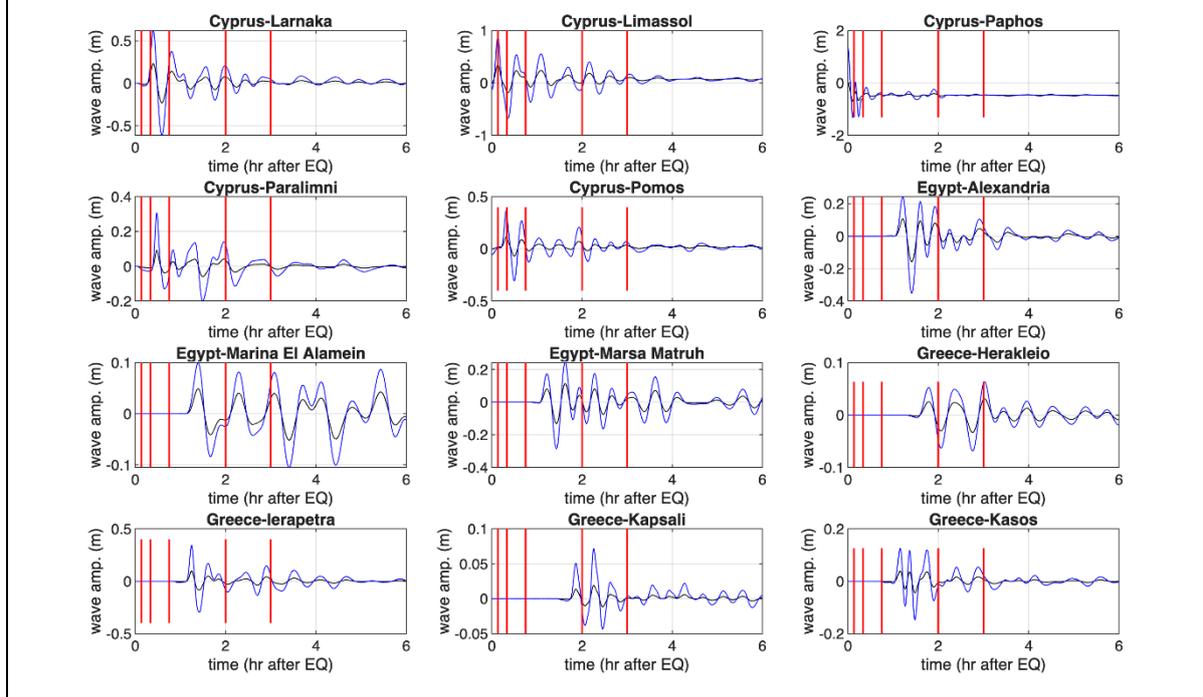
Tsunami propagation: performed by means of the nonlinear shallow water MOST (Titov and Synolakis, 1995, 1998) code. MOST is a benchmarked tsunami simulation code (Titov et al., 2016). Modelled propagation time is 6 hours on a 2 arc-min regular bathymetric grid derived from ETOPO, sourced through the ComMIT model (Titov et al., 2011).

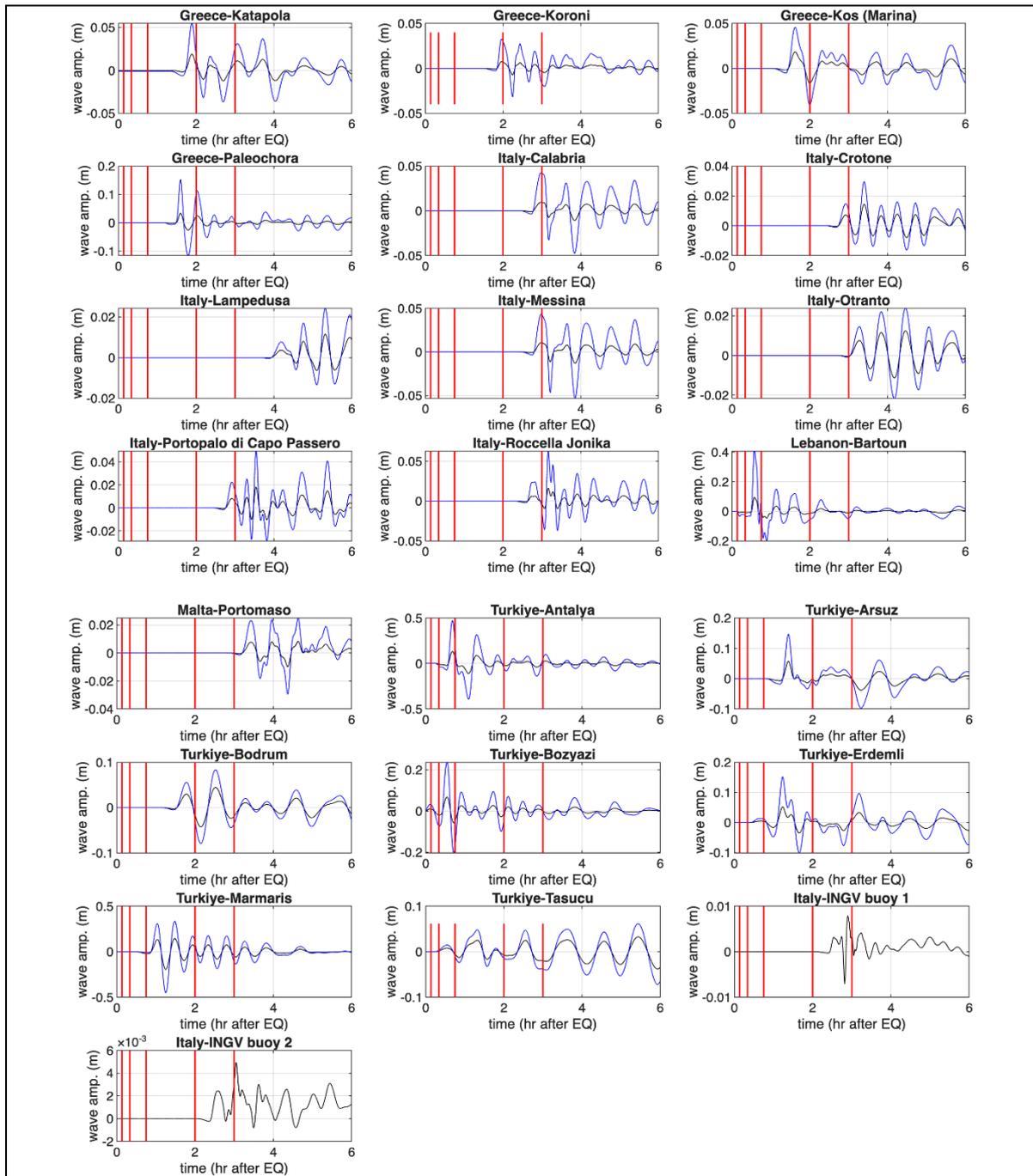
In the following figures some outputs are shown:

- 1) Tsunami initial condition (Figure 2a)
- 2) Scenario tsunami maximum offshore wave amplitude distribution (Figure 2b);
- 3) Tsunami travel times (Figure 2b);
- 4) Tsunami waveforms (examples, Figure 3);



**Figure 2 – a) Tsunami static initial condition; b) Tsunami maximum wave amplitude and travel times (plotted every 20 min – contour labels in hours after the earthquake).**





**Figure 3** – Examples of tsunami waveforms at selected tide-gauges. The black curves are the simulated waveforms ( $H_0$ ) extracted at cells nearest to each tide-gauge and the blue curves are scaled amplitudes using Green's law. The red vertical lines denote the times corresponding to the dissemination of the NOA-HLNTWC tsunami warning messages.

**4. Alert Messages** - Message Provider involved briefly specifies the method adopted to assess the alert level, preferably based on common/daily practice (e.g., decision matrix, scenario based, etc.); how many alert messages will be issued and the related timetable (MSEL) specifying also the tsunami evolution (e.g., sea level readings, eyewitness observations, etc.);

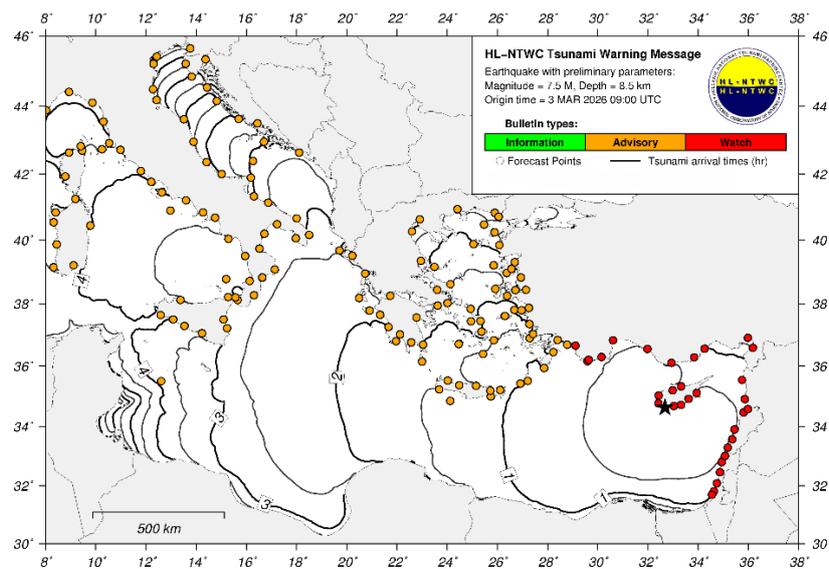
**Master Schedule of Events List:**

- T0: 09:00 UTC (EQ Origin Time)**
- T(n1): 09:04 UTC (Initial EQ Parameters)**
- T(n2): 09:08 UTC (Dissemination of the 1st message by NOA)**
- T(n3): 09:20 UTC (Dissemination of the 2nd message by NOA)**
- T(n4): 09:45 UTC (Dissemination of the 3rd message by NOA)**
- T(n5): 11:00 UTC (Dissemination of the 4th message by NOA)**
- T(n6): 12:00 UTC (Dissemination of the final message by NOA)**

**Flow chart of message dissemination**

Message Number	Alert level	Minutes after the origin time
NOA - 001	initial WATCH	8
NOA - 002	Ongoing #1	20
NOA - 003	Ongoing #2	45
NOA - 004	Ongoing #3	120
NOA - 005	END	180

The alert level (Figure 4) at each forecast point is estimated based on the earthquake scenario parameters (Table 1) and the Decision Matrix (Figure 5).



**Figure 4 – Alert level map.** Points represent the forecast points (officially provided by IOC); contour lines indicate the tsunami travel times, every 30 minutes.

Depth	Epicenter Location	M	Tsunami Potential	Type of Bulletin		
< 100 km	Offshore or close the coast (≤ 40 km inland)	5.5 ≤ M ≤ 6.0	Nil	Information Bulletin	Information Bulletin	Information Bulletin
		6.0 < M ≤ 6.5	Weak potential of local tsunami	Local Tsunami Advisory	Information Bulletin	Information Bulletin
	Inland (> 40 km and ≤ 100 km)	5.5 ≤ M ≤ 6.5	Nil	Information Bulletin	Information Bulletin	Information Bulletin
	Offshore or close the coast (≤ 100 km inland)	6.5 < M ≤ 7.0	Potential of destructive local tsunami (≤ 100 km)	Local Tsunami Watch	Regional Tsunami Advisory	Information Bulletin
		7.0 < M ≤ 7.5	Potential of destructive regional tsunami (≤ 400 km)	Local Tsunami Watch	Regional Tsunami Watch	Basin-wide Tsunami Advisory
		M > 7.5	Potential of destructive tsunami in the whole basin (> 400 km)	Local Tsunami Watch	Regional Tsunami Watch	Basin-wide Tsunami Watch
≥ 100 km	Offshore or inland (≤ 100 km)	M ≥ 5.5	Nil	Information Bulletin	Information Bulletin	Information Bulletin

Local <100 km    100 <Regional<400    Basin-wide >400

**Figure 5 – Decision Matrix adopted by NOA.**

During the exercise 5 alert messages by NOA will be issued (1 Initial, 3 Ongoing, 1 End). Below we report the associate timetable (Table 2)

**Table 2 – Timetable with the messages issued by NOA-HLNTWC**  
(*T0 indicates the origin time of the earthquake*)

TITLE	CONTENT	TIME
<b>NOA</b> TSUNAMI EXERCISE MESSAGE NUMBER 001	1. Earthquake Parameters 2. Wave Arrival Times 3. Level of Alert	T0 + 08'
<b>NOA</b> TSUNAMI EXERCISE MESSAGE NUMBER 002	1. Earthquake Parameters 2. First validated Wave Arrival (TG verification at PAFOS-CY and LIMASSOL-CY) 3. Level of Alert	T0 + 20
<b>NOA</b> TSUNAMI EXERCISE MESSAGE NUMBER 003	1. Earthquake Parameters 2. Second validated Wave Arrival (TG verification at PAFOS-CY, LIMASSOL-CY, POMOS-CY, LARNAKA-CY, PARALIMNI-CY, BOZYAZI-TR, BARTOUN-LB) 3. Level of Alert	T0 + 45'
<b>NOA</b> TSUNAMI EXERCISE MESSAGE NUMBER 004	1. Earthquake Parameters 2. Third validated Wave Arrival (TG verification at PAFOS-CY, LIMASSOL-CY, POMOS-CY, LARNAKA-CY, PARALIMNI-CY, BOZYAZI-TR, BARTOUN-LB, ANTALYA-TR, ERDEMLI-TR, IERAPETRA-GR, MARMARIS-TR, TASUCU-TR, ARSUZ-TR, MARINA EL ALAMEIN-EG, ALEXANDRIA-EG, MARSA MATUH-EG, KASOS-GR, PALEOCHORA-GR) 3. Level of Alert	T0 + 120'
<b>NOA</b> TSUNAMI EXERCISE MESSAGE NUMBER 005	1. Earthquake Parameters 2. End of Tsunami Alert Message	T0 + 180'

It should be pointed out that this exercise mimics the operational procedures which would be adopted in the event of real earthquake and tsunami. However, there are some

limitations mainly due to organizational purposes forcing to limit the number of scheduled ongoing messages to be fewer than they would be following such an event. Also the ending of the tsunami alert has been anticipated. Actually, for a real M7.5 earthquake the alert would last for many more hours; the number of ongoing messages reporting the tsunami amplitude readings would be definitely greater; the tsunami wave amplitudes eventually measured at the farthest tide-gauges would be also reported, where the tsunami would arrive later than the end of the exercise; the end of the alert would be issued only when the sea level readings indicate a significant decay of the sea level anomaly towards the pre-event level, despite significant tsunami-induced currents might still be ongoing.

### **NEAMWave23 – TSP HLNTWC-NOA Exercise messages**

Below are reported the alert messages to be issued by NOA during the exercise; while the text of these messages is the same when transmitted by email, an additional line at the beginning of the message is inserted for the GTS transmission. This line is **WEME40 LGAT ddHHmm**, where **dd**, **HH**, and **mm** indicate day, hour, and minutes respectively, associate to message's issue time. Enhanced products (Alert Level at Forecast Points with Tsunami Travel Time Map) will be disseminated as e-mail attachment of NOA message 001.

#### **T(n2): 09:08 UTC - NOA MESSAGE #001**

TSUNAMI MESSAGE NUMBER 001  
NEAM NOA HL-NTWC TSUNAMI SERVICE PROVIDER  
ISSUED AT 0908Z 03 MAR 2026

... TSUNAMI WATCH ...  
THIS ALERT APPLIES TO CYPRUS...GREECE...ISRAEL...LEBANON...SYRIA...TURKIYE

... TSUNAMI ADVISORY ...  
THIS ALERT APPLIES TO CROATIA...FRANCE...ITALY...MONACO...SPAIN...UNITED KINGDOM

... TSUNAMI INFORMATION ...  
THIS ALERT APPLIES TO BELGIUM ... EGYPT ... FRANCE ... GERMANY ... GREECE ...  
CYPRUS ... ISRAEL ... ITALY ... LEBANON ... PORTUGAL ... SPAIN ... SWEDEN ...  
TURKIYE ... UNITED KINGDOM ... IOC (UNESCO) .... ERCC (EUROPEAN COMMISSION)

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0900 UTC TUE MAR 3 2026  
COORDINATES - 34.63 NORTH 32.68 EAST  
DEPTH - 8.5 KM  
LOCATION - SW COAST OF CYPRUS  
MAGNITUDE - 7.5 M

EVALUATION OF TSUNAMI WATCH  
IT IS NOT KNOWN THAT A TSUNAMI WAS GENERATED. THIS MESSAGE IS BASED ONLY ON THE EARTHQUAKE EVALUATION. AN EARTHQUAKE OF THIS SIZE HAS THE POTENTIAL TO GENERATE A TSUNAMI THAT CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. THIS CENTER WILL MONITOR SEA LEVEL DATA FROM GAUGES NEAR THE EARTHQUAKE TO DETERMINE IF A TSUNAMI WAS GENERATED AND ESTIMATE THE SEVERITY OF THE THREAT. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

## EVALUATION OF TSUNAMI ADVISORY

IT IS NOT KNOWN THAT A TSUNAMI WAS GENERATED. THIS WATCH IS BASED ONLY ON THE EARTHQUAKE EVALUATION. AN EARTHQUAKE OF THIS SIZE HAS THE POTENTIAL TO GENERATE A TSUNAMI THAT CAN STRIKE COASTLINES WITH A WAVE HEIGHT LESS THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP LESS THAN 1M. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. THIS CENTER WILL MONITOR SEA LEVEL DATA FROM GAUGES NEAR THE EARTHQUAKE TO DETERMINE IF A TSUNAMI WAS GENERATED AND ESTIMATE THE SEVERITY OF THE THREAT. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH/ADVISORY AREA GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.

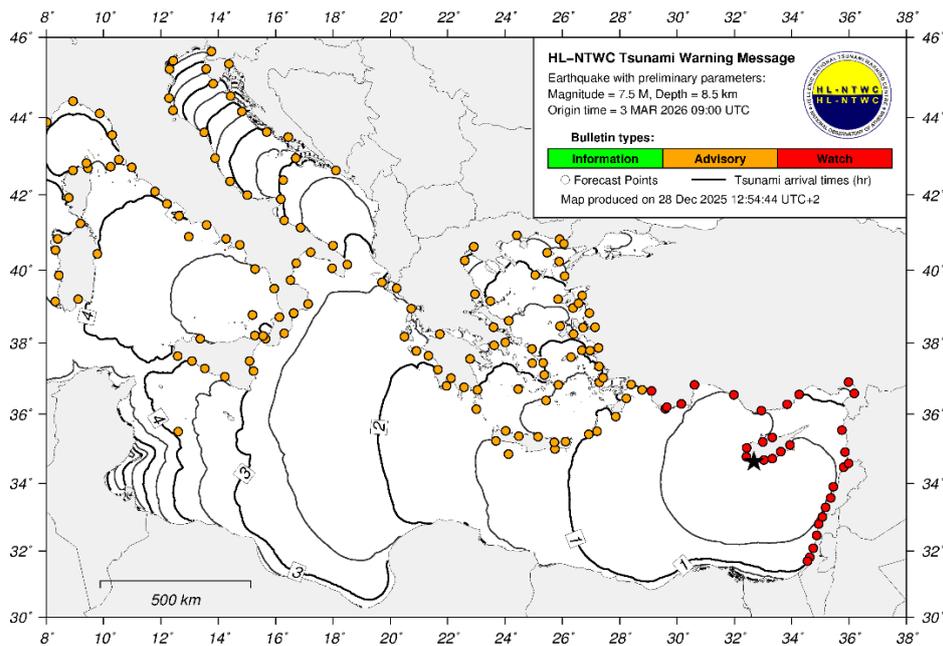
LOCATION	FP COORDINATES	ARRIVAL TIME	ALERT LEVEL
CYPRUS-PAFOS	34.77N 32.42E	0908Z	03 MAR WATCH
CYPRUS-LEMESOS	34.68N 33.03E	0909Z	03 MAR WATCH
CYPRUS-VASILIKO	34.72N 33.32E	0911Z	03 MAR WATCH
CYPRUS-POLIS	35.03N 32.43E	0922Z	03 MAR WATCH
CYPRUS-LARNAKA	34.92N 33.62E	0926Z	03 MAR WATCH
CYPRUS-MORFOU	35.20N 32.99E	0930Z	03 MAR WATCH
CYPRUS-KERYNEIA	35.33N 33.32E	0935Z	03 MAR WATCH
CYPRUS-AMMOCHOSTOS	35.11N 33.94E	0937Z	03 MAR WATCH
GREECE-KASTELORIZO MEGISTI	36.15N 29.59E	0954Z	03 MAR WATCH
ISRAEL-HAIFA	32.80N 34.94E	0937Z	03 MAR WATCH
ISRAEL-NAHARIYA	33.01N 35.07E	0937Z	03 MAR WATCH
ISRAEL-HADERA	32.46N 34.87E	0944Z	03 MAR WATCH
ISRAEL-TEL AVIV	32.08N 34.75E	0950Z	03 MAR WATCH
ISRAEL-ASHDOD	31.81N 34.63E	0956Z	03 MAR WATCH
ISRAEL-ASHKELON	31.69N 34.55E	0959Z	03 MAR WATCH
LEBANON-BEIRUT	33.90N 35.45E	0930Z	03 MAR WATCH
LEBANON-TYRE	33.29N 35.18E	0933Z	03 MAR WATCH
LEBANON-SIDON	33.57N 35.36E	0934Z	03 MAR WATCH
LEBANON-TRIPOLI	34.47N 35.81E	0942Z	03 MAR WATCH
LEBANON-QLAIAAT	34.58N 35.98E	0948Z	03 MAR WATCH
SYRIA-TARTOUS	34.91N 35.86E	0940Z	03 MAR WATCH
SYRIA-LATTAKIA	35.54N 35.75E	0950Z	03 MAR WATCH
TURKIYE-ANTALYA ALANYA	36.55N 31.98E	0929Z	03 MAR WATCH
TURKIYE-MERSIN BOZYAZI (M)	36.10N 32.94E	0929Z	03 MAR WATCH
TURKIYE-ANTALYA (M)	36.83N 30.61E	0938Z	03 MAR WATCH
TURKIYE-ANTALYA FINIKE	36.29N 30.15E	0949Z	03 MAR WATCH
TURKIYE-ANTALYA KAS	36.20N 29.64E	0953Z	03 MAR WATCH
TURKIYE-MERSIN TASUCU (M)	36.28N 33.84E	0959Z	03 MAR WATCH
TURKIYE-MERSIN ERDEMLI (M)	36.56N 34.26E	1000Z	03 MAR WATCH
TURKIYE-MUGLA FETHIYE	36.66N 29.11E	1008Z	03 MAR WATCH
TURKIYE-HATAY ISKENDERUN (M)	36.59N 36.18E	1040Z	03 MAR WATCH
TURKIYE-ADANA YUMURTALIK	36.91N 35.98E	1049Z	03 MAR WATCH
CROATIA-DUBROVNIK	42.64N 18.10E	1239Z	03 MAR ADVISORY
CROATIA-PALAGRUZA	42.39N 16.26E	1257Z	03 MAR ADVISORY
CROATIA-VELA LUKA	42.96N 16.70E	1324Z	03 MAR ADVISORY
CROATIA-ZIRJE	43.63N 15.69E	1348Z	03 MAR ADVISORY
CROATIA-VELI RAT (DUGI OTOK)	44.15N 14.82E	1436Z	03 MAR ADVISORY
CROATIA-SPLIT	43.50N 16.44E	1443Z	03 MAR ADVISORY
CROATIA-MALI LOSINJ	44.54N 14.43E	1522Z	03 MAR ADVISORY
CROATIA-PULA	44.85N 13.82E	1611Z	03 MAR ADVISORY
CROATIA-POREC	45.22N 13.58E	1645Z	03 MAR ADVISORY
CROATIA-RIJEKA	45.34N 14.37E	1752Z	03 MAR ADVISORY

FRANCE-BASTIA	42.70N	9.45E	1333Z	03 MAR	ADVISORY
FRANCE-SOLENZARA	42.83N	9.40E	1356Z	03 MAR	ADVISORY
FRANCE-L'ILE ROUSSE	42.64N	8.93E	1358Z	03 MAR	ADVISORY
FRANCE-AJACCIO	41.93N	8.78E	1401Z	03 MAR	ADVISORY
FRANCE-NICE	43.70N	7.27E	1408Z	03 MAR	ADVISORY
FRANCE-CANNES	43.55N	7.03E	1412Z	03 MAR	ADVISORY
FRANCE-TOULONE	43.11N	5.97E	1416Z	03 MAR	ADVISORY
FRANCE-PORT VENDRE	42.52N	3.11E	1434Z	03 MAR	ADVISORY
FRANCE-MARSEILLE	43.31N	5.38E	1435Z	03 MAR	ADVISORY
FRANCE-SETE	43.40N	3.69E	1503Z	03 MAR	ADVISORY
GREECE-RHODES PLIMMYRI	35.93N	27.86E	0948Z	03 MAR	ADVISORY
GREECE-RHODES	36.45N	28.23E	0951Z	03 MAR	ADVISORY
GREECE-KARPATHOS	35.51N	27.21E	0957Z	03 MAR	ADVISORY
GREECE-KASOS FRI	35.42N	26.92E	1009Z	03 MAR	ADVISORY
GREECE-CRETE IERAPETRA	35.00N	25.74E	1011Z	03 MAR	ADVISORY
GREECE-GAVDOS KARAVE	34.85N	24.12E	1024Z	03 MAR	ADVISORY
GREECE-KOS	36.90N	27.29E	1027Z	03 MAR	ADVISORY
GREECE-CRETE AG NIKOLAOS	35.19N	25.72E	1028Z	03 MAR	ADVISORY
GREECE-SANTORINI ORMOS FIRON	36.39N	25.43E	1033Z	03 MAR	ADVISORY
GREECE-CRETE SITIA	35.21N	26.11E	1035Z	03 MAR	ADVISORY
GREECE-CRETE HERAKLEION	35.35N	25.15E	1036Z	03 MAR	ADVISORY
GREECE-AMORGOS KATAPOLA	36.83N	25.86E	1039Z	03 MAR	ADVISORY
GREECE-CRETE PALAIOCHORA	35.23N	23.68E	1039Z	03 MAR	ADVISORY
GREECE-CRETE RETHYMNON	35.37N	24.48E	1041Z	03 MAR	ADVISORY
GREECE-IKARIA AG KIRYKOS	37.61N	26.30E	1045Z	03 MAR	ADVISORY
GREECE-KYTHIRA KAPSALI	36.14N	23.00E	1046Z	03 MAR	ADVISORY
GREECE-CRETE CHANIA	35.52N	24.02E	1051Z	03 MAR	ADVISORY
GREECE-MYKONOS	37.45N	25.33E	1053Z	03 MAR	ADVISORY
GREECE-KORONI	36.80N	21.96E	1054Z	03 MAR	ADVISORY
GREECE-GYTHEIO	36.76N	22.57E	1055Z	03 MAR	ADVISORY
GREECE-KALAMATA	37.02N	22.12E	1056Z	03 MAR	ADVISORY
GREECE-SAMOS KARLOVASI	37.80N	26.68E	1058Z	03 MAR	ADVISORY
GREECE-MONEMVASIA	36.69N	23.04E	1100Z	03 MAR	ADVISORY
GREECE-KYPARISSIA	37.26N	21.66E	1104Z	03 MAR	ADVISORY
GREECE-KATAKOLO	37.65N	21.33E	1107Z	03 MAR	ADVISORY
GREECE-SAMOS	37.79N	26.96E	1108Z	03 MAR	ADVISORY
GREECE-ANDROS	37.84N	24.94E	1108Z	03 MAR	ADVISORY
GREECE-ZAKYNTHOS	37.78N	20.91E	1110Z	03 MAR	ADVISORY
GREECE-CHIOS VOLLISSOS	38.47N	25.92E	1114Z	03 MAR	ADVISORY
GREECE-NAXOS	37.11N	25.37E	1116Z	03 MAR	ADVISORY
GREECE-SYROS ERMOUPOLI	37.44N	24.95E	1117Z	03 MAR	ADVISORY
GREECE-NAFPLIO	37.56N	22.78E	1127Z	03 MAR	ADVISORY
GREECE-PIRAEUS	37.94N	23.62E	1129Z	03 MAR	ADVISORY
GREECE-MILOS ADAMANTAS	36.71N	24.46E	1131Z	03 MAR	ADVISORY
GREECE-CORFU PALAIOKASTRITSA	39.67N	19.71E	1134Z	03 MAR	ADVISORY
GREECE-LESBOS PLOMARI	38.97N	26.37E	1135Z	03 MAR	ADVISORY
GREECE-KEFALONIA ARGOSTOLI	38.18N	20.49E	1135Z	03 MAR	ADVISORY
GREECE-PREVEZA PADOKRATORAS	38.95N	20.73E	1138Z	03 MAR	ADVISORY
GREECE-EVIA KYMI	38.62N	24.13E	1140Z	03 MAR	ADVISORY
GREECE-LESBOS SIGRI	39.21N	25.85E	1140Z	03 MAR	ADVISORY
GREECE-RAFINA	38.02N	24.01E	1143Z	03 MAR	ADVISORY
GREECE-IGOUMENITSA	39.51N	20.22E	1152Z	03 MAR	ADVISORY
GREECE-SKIATHOS	39.16N	23.49E	1154Z	03 MAR	ADVISORY
GREECE-LEMNOS MYRINA	39.87N	25.05E	1200Z	03 MAR	ADVISORY
GREECE-PATRAS	38.25N	21.73E	1200Z	03 MAR	ADVISORY
GREECE-LESBOS MYTILENE	39.10N	26.56E	1206Z	03 MAR	ADVISORY
GREECE-SAMOTHRAKI KAMARIOTISSA	40.47N	25.47E	1218Z	03 MAR	ADVISORY
GREECE-VOLOS	39.35N	22.95E	1228Z	03 MAR	ADVISORY
GREECE-KAVALA	40.94N	24.41E	1251Z	03 MAR	ADVISORY
GREECE-KATERINI	40.26N	22.60E	1255Z	03 MAR	ADVISORY
GREECE-ALEXANDROUPOLI	40.83N	25.90E	1301Z	03 MAR	ADVISORY
GREECE-THESSALONIKI	40.63N	22.91E	1359Z	03 MAR	ADVISORY
GREECE-EVIA CHALKIDA	38.44N	23.60E	1440Z	03 MAR	ADVISORY

ITALY-SIDERNO	38.27N	16.30E	1138Z	03 MAR	ADVISORY
ITALY-CATANZARO	38.83N	16.63E	1140Z	03 MAR	ADVISORY
ITALY-CROTONE	39.08N	17.13E	1144Z	03 MAR	ADVISORY
ITALY-REGGIO CALABRIA	38.12N	15.65E	1144Z	03 MAR	ADVISORY
ITALY-CATANIA	37.50N	15.09E	1146Z	03 MAR	ADVISORY
ITALY-MESSINA	38.20N	15.56E	1146Z	03 MAR	ADVISORY
ITALY-GALLIPOLI	40.05N	17.97E	1151Z	03 MAR	ADVISORY
ITALY-SIRACUSA	37.22N	15.23E	1153Z	03 MAR	ADVISORY
ITALY-LAGHI DI SIBARI	39.73N	16.52E	1154Z	03 MAR	ADVISORY
ITALY-OTRANTO	40.15N	18.50E	1158Z	03 MAR	ADVISORY
ITALY-GINOSTRA	38.78N	15.19E	1205Z	03 MAR	ADVISORY
ITALY-MILAZZO	38.21N	15.27E	1208Z	03 MAR	ADVISORY
ITALY-POLICORO LIDO	40.19N	16.72E	1208Z	03 MAR	ADVISORY
ITALY-TARANTO	40.48N	17.22E	1210Z	03 MAR	ADVISORY
ITALY-VIBO MARINA	38.72N	16.13E	1217Z	03 MAR	ADVISORY
ITALY-BRINDISI	40.66N	18.00E	1219Z	03 MAR	ADVISORY
ITALY-CETRARO	39.50N	15.95E	1221Z	03 MAR	ADVISORY
ITALY-PALINURO	40.03N	15.28E	1226Z	03 MAR	ADVISORY
ITALY-PALERMO	38.12N	13.37E	1233Z	03 MAR	ADVISORY
ITALY-BARI	41.14N	16.87E	1238Z	03 MAR	ADVISORY
ITALY-PONZA	40.90N	12.97E	1240Z	03 MAR	ADVISORY
ITALY-GELA	37.06N	14.23E	1244Z	03 MAR	ADVISORY
ITALY-NAPOLI	40.84N	14.27E	1244Z	03 MAR	ADVISORY
ITALY-SALERNO	40.68N	14.75E	1246Z	03 MAR	ADVISORY
ITALY-LAMPEDUSA	35.50N	12.60E	1250Z	03 MAR	ADVISORY
ITALY-PORTO EMPEDOCLE	37.29N	13.53E	1251Z	03 MAR	ADVISORY
ITALY-GAETA	41.21N	13.59E	1254Z	03 MAR	ADVISORY
ITALY-ANZIO	41.45N	12.63E	1259Z	03 MAR	ADVISORY
ITALY-SCIACCA	37.50N	13.08E	1301Z	03 MAR	ADVISORY
ITALY-FIUMICINO	41.77N	12.21E	1307Z	03 MAR	ADVISORY
ITALY-OROSEI	40.44N	9.78E	1308Z	03 MAR	ADVISORY
ITALY-CIVITAVECCHIA	42.09N	11.79E	1308Z	03 MAR	ADVISORY
ITALY-VIESTE	41.89N	16.18E	1309Z	03 MAR	ADVISORY
ITALY-BARLETTA	41.33N	16.30E	1311Z	03 MAR	ADVISORY
ITALY-MAZARA DEL VALLO	37.64N	12.58E	1318Z	03 MAR	ADVISORY
ITALY-CAGLIARI	39.21N	9.11E	1327Z	03 MAR	ADVISORY
ITALY-MARINA DI CAMPO	42.74N	10.24E	1330Z	03 MAR	ADVISORY
ITALY-MARINA DI GROSSETO	42.72N	10.98E	1330Z	03 MAR	ADVISORY
ITALY-SANTA TERESA DI GALLURA	41.25N	9.19E	1332Z	03 MAR	ADVISORY
ITALY-PIOMBINO	42.92N	10.53E	1340Z	03 MAR	ADVISORY
ITALY-CARLOFORTE	39.15N	8.31E	1352Z	03 MAR	ADVISORY
ITALY-TERMOLI	42.00N	15.01E	1358Z	03 MAR	ADVISORY
ITALY-ALGHERO	40.54N	8.32E	1359Z	03 MAR	ADVISORY
ITALY-ORISTANO	39.86N	8.44E	1400Z	03 MAR	ADVISORY
ITALY-IMPERIA	43.88N	8.02E	1405Z	03 MAR	ADVISORY
ITALY-GENOVA	44.41N	8.93E	1407Z	03 MAR	ADVISORY
ITALY-LIVORNO	43.55N	10.30E	1407Z	03 MAR	ADVISORY
ITALY-ORTONA	42.36N	14.41E	1416Z	03 MAR	ADVISORY
ITALY-PORTO TORRES	40.84N	8.40E	1422Z	03 MAR	ADVISORY
ITALY-LA SPEZIA	44.10N	9.86E	1436Z	03 MAR	ADVISORY
ITALY-SAN BENEDETTO DEL TRONTO	42.96N	13.89E	1444Z	03 MAR	ADVISORY
ITALY-ANCONA	43.62N	13.51E	1516Z	03 MAR	ADVISORY
ITALY-CESENATICO	44.18N	12.42E	1648Z	03 MAR	ADVISORY
ITALY-RAVENNA	44.49N	12.28E	1700Z	03 MAR	ADVISORY
ITALY-CHIOGGIA	45.21N	12.30E	1732Z	03 MAR	ADVISORY
ITALY-VENEZIA	45.42N	12.43E	1749Z	03 MAR	ADVISORY
ITALY-TRIESTE	45.65N	13.76E	1750Z	03 MAR	ADVISORY
MONACO-MONTE-CARLO	43.73N	7.43E	1408Z	03 MAR	ADVISORY
SPAIN-MAHÓN	39.89N	4.27E	1403Z	03 MAR	ADVISORY
SPAIN-BARCELONA	41.39N	2.18E	1426Z	03 MAR	ADVISORY
SPAIN-IBIZA	38.91N	1.44E	1432Z	03 MAR	ADVISORY
SPAIN-TARRAGONA	41.12N	1.26E	1435Z	03 MAR	ADVISORY
SPAIN-CARTAGENA	37.61N	0.98W	1440Z	03 MAR	ADVISORY

SPAIN-PALMA DE MALLORCA	39.57N	2.65E	1443Z	03 MAR	ADVISORY
SPAIN-ALICANTE	38.35N	0.48W	1457Z	03 MAR	ADVISORY
SPAIN-ALMERÍA	36.84N	2.47W	1502Z	03 MAR	ADVISORY
SPAIN-VALENCIA	39.48N	0.38W	1504Z	03 MAR	ADVISORY
SPAIN-MELILLA	35.30N	2.94W	1521Z	03 MAR	ADVISORY
SPAIN-MÁLAGA	36.72N	4.42W	1531Z	03 MAR	ADVISORY
SPAIN-ALGECIRAS	36.13N	5.45W	1535Z	03 MAR	ADVISORY
SPAIN-CASTELLON DE LA PLANA	39.99N	0.04W	1543Z	03 MAR	ADVISORY
SPAIN-CEUTA	35.89N	5.32W	1553Z	03 MAR	ADVISORY
TURKIYE-MUGLA DALAMAN	36.69N	28.78E	0950Z	03 MAR	ADVISORY
TURKIYE-MUGLA AKSAZ (M)	36.84N	28.40E	1017Z	03 MAR	ADVISORY
TURKIYE-MUGLA BODRUM (M)	37.03N	27.42E	1031Z	03 MAR	ADVISORY
TURKIYE-AYDIN DIDIM	37.35N	27.28E	1100Z	03 MAR	ADVISORY
TURKIYE-IZMIR ALACATI	38.25N	26.39E	1106Z	03 MAR	ADVISORY
TURKIYE-AYDIN KUSADASI	37.87N	27.26E	1115Z	03 MAR	ADVISORY
TURKIYE-IZMIR ALIAGA	38.83N	26.94E	1203Z	03 MAR	ADVISORY
TURKIYE-CANAKKALE GOKCEADA (M)	40.23N	25.89E	1222Z	03 MAR	ADVISORY
TURKIYE-CANAKKALE BOZCAADA	39.84N	26.08E	1226Z	03 MAR	ADVISORY
TURKIYE-IZMIR MENTES (M)	38.43N	26.72E	1231Z	03 MAR	ADVISORY
TURKIYE-EDIRNE ENEZ	40.71N	26.05E	1247Z	03 MAR	ADVISORY
TURKIYE-BALIKESIR AYVALIK	39.31N	26.69E	1301Z	03 MAR	ADVISORY
TURKIYE-IZMIR ALSANCAK	38.44N	27.14E	1330Z	03 MAR	ADVISORY
UNITED KINGDOM-GIBRALTAR	36.13N	5.37W	1531Z	03 MAR	ADVISORY

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS.  
THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.



**T(n3): 09:20 UTC - NOA MESSAGE #002**

TSUNAMI MESSAGE NUMBER 002  
NEAM NOA HL-NTWC TSUNAMI SERVICE PROVIDER  
ISSUED AT 0920 03 MAR 2026

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO CYPRUS...GREECE...ISRAEL...LEBANON...SYRIA...TURKIYE

... TSUNAMI ADVISORY ONGOING ...

THIS ALERT APPLIES TO CROATIA...FRANCE...ITALY...MONACO...SPAIN...UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE

OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0900 UTC TUE MAR 3 2026  
 COORDINATES - 34.63 NORTH 32.68 EAST  
 DEPTH - 8.5 KM  
 LOCATION - SW COAST OF CYPRUS  
 MAGNITUDE - 7.5 M

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
 THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

EVALUATION OF TSUNAMI ADVISORY

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
 THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT LESS THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP LESS THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH/ADVISORY AREA GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.

LOCATION	FP COORDINATES	ARRIVAL TIME	ALERT LEVEL
CYPRUS-PAFOS	34.77N 32.42E	0908Z 03 MAR	WATCH
CYPRUS-LEMESOS	34.68N 33.03E	0909Z 03 MAR	WATCH
CYPRUS-VASILIKO	34.72N 33.32E	0911Z 03 MAR	WATCH
CYPRUS-POLIS	35.03N 32.43E	0922Z 03 MAR	WATCH
CYPRUS-LARNAKA	34.92N 33.62E	0926Z 03 MAR	WATCH
CYPRUS-MORFOU	35.20N 32.99E	0930Z 03 MAR	WATCH
CYPRUS-KERYNEIA	35.33N 33.32E	0935Z 03 MAR	WATCH
CYPRUS-AMMOCHOSTOS	35.11N 33.94E	0937Z 03 MAR	WATCH
GREECE-KASTELORIZO MEGISTI	36.15N 29.59E	0954Z 03 MAR	WATCH
ISRAEL-HAIFA	32.80N 34.94E	0937Z 03 MAR	WATCH
ISRAEL-NAHARIYA	33.01N 35.07E	0937Z 03 MAR	WATCH
ISRAEL-HADERA	32.46N 34.87E	0944Z 03 MAR	WATCH
ISRAEL-TEL AVIV	32.08N 34.75E	0950Z 03 MAR	WATCH
ISRAEL-ASHDOD	31.81N 34.63E	0956Z 03 MAR	WATCH
ISRAEL-ASHKELON	31.69N 34.55E	0959Z 03 MAR	WATCH
LEBANON-BEIRUT	33.90N 35.45E	0930Z 03 MAR	WATCH
LEBANON-TYRE	33.29N 35.18E	0933Z 03 MAR	WATCH
LEBANON-SIDON	33.57N 35.36E	0934Z 03 MAR	WATCH
LEBANON-TRIPOLI	34.47N 35.81E	0942Z 03 MAR	WATCH
LEBANON-QLAI AAT	34.58N 35.98E	0948Z 03 MAR	WATCH
SYRIA-TARTOUS	34.91N 35.86E	0940Z 03 MAR	WATCH
SYRIA-LATTAKIA	35.54N 35.75E	0950Z 03 MAR	WATCH
TURKIYE-ANTALYA ALANYA	36.55N 31.98E	0929Z 03 MAR	WATCH

TURKIYE-MERSIN BOZYAZI (M)	36.10N	32.94E	0929Z	03 MAR	WATCH
TURKIYE-ANTALYA (M)	36.83N	30.61E	0938Z	03 MAR	WATCH
TURKIYE-ANTALYA FINIKE	36.29N	30.15E	0949Z	03 MAR	WATCH
TURKIYE-ANTALYA KAS	36.20N	29.64E	0953Z	03 MAR	WATCH
TURKIYE-MERSIN TASUCU (M)	36.28N	33.84E	0959Z	03 MAR	WATCH
TURKIYE-MERSIN ERDEMLI (M)	36.56N	34.26E	1000Z	03 MAR	WATCH
TURKIYE-MUGLA FETHIYE	36.66N	29.11E	1008Z	03 MAR	WATCH
TURKIYE-HATAY ISKENDERUN (M)	36.59N	36.18E	1040Z	03 MAR	WATCH
TURKIYE-ADANA YUMURTALIK	36.91N	35.98E	1049Z	03 MAR	WATCH
CROATIA-DUBROVNIK	42.64N	18.10E	1239Z	03 MAR	ADVISORY
CROATIA-PALAGRUZA	42.39N	16.26E	1257Z	03 MAR	ADVISORY
CROATIA-VELA LUKA	42.96N	16.70E	1324Z	03 MAR	ADVISORY
CROATIA-ZIRJE	43.63N	15.69E	1348Z	03 MAR	ADVISORY
CROATIA-VELI RAT (DUGI OTOK)	44.15N	14.82E	1436Z	03 MAR	ADVISORY
CROATIA-SPLIT	43.50N	16.44E	1443Z	03 MAR	ADVISORY
CROATIA-MALI LOSINJ	44.54N	14.43E	1522Z	03 MAR	ADVISORY
CROATIA-PULA	44.85N	13.82E	1611Z	03 MAR	ADVISORY
CROATIA-POREC	45.22N	13.58E	1645Z	03 MAR	ADVISORY
CROATIA-RIJEKA	45.34N	14.37E	1752Z	03 MAR	ADVISORY
FRANCE-BASTIA	42.70N	9.45E	1333Z	03 MAR	ADVISORY
FRANCE-SOLENZARA	42.83N	9.40E	1356Z	03 MAR	ADVISORY
FRANCE-L'ILE ROUSSE	42.64N	8.93E	1358Z	03 MAR	ADVISORY
FRANCE-AJACCIO	41.93N	8.78E	1401Z	03 MAR	ADVISORY
FRANCE-NICE	43.70N	7.27E	1408Z	03 MAR	ADVISORY
FRANCE-CANNES	43.55N	7.03E	1412Z	03 MAR	ADVISORY
FRANCE-TOULONE	43.11N	5.97E	1416Z	03 MAR	ADVISORY
FRANCE-PORT VENDRE	42.52N	3.11E	1434Z	03 MAR	ADVISORY
FRANCE-MARSEILLE	43.31N	5.38E	1435Z	03 MAR	ADVISORY
FRANCE-SETE	43.40N	3.69E	1503Z	03 MAR	ADVISORY
GREECE-RHODES PLIMMYRI	35.93N	27.86E	0948Z	03 MAR	ADVISORY
GREECE-RHODES	36.45N	28.23E	0951Z	03 MAR	ADVISORY
GREECE-KARPATOS	35.51N	27.21E	0957Z	03 MAR	ADVISORY
GREECE-KASOS FRI	35.42N	26.92E	1009Z	03 MAR	ADVISORY
GREECE-CRETE IERAPETRA	35.00N	25.74E	1011Z	03 MAR	ADVISORY
GREECE-GAVDOS KARAVE	34.85N	24.12E	1024Z	03 MAR	ADVISORY
GREECE-KOS	36.90N	27.29E	1027Z	03 MAR	ADVISORY
GREECE-CRETE AG NIKOLAOS	35.19N	25.72E	1028Z	03 MAR	ADVISORY
GREECE-SANTORINI ORMOS FIRON	36.39N	25.43E	1033Z	03 MAR	ADVISORY
GREECE-CRETE SITIA	35.21N	26.11E	1035Z	03 MAR	ADVISORY
GREECE-CRETE HERAKLEION	35.35N	25.15E	1036Z	03 MAR	ADVISORY
GREECE-AMORGOS KATAPOLA	36.83N	25.86E	1039Z	03 MAR	ADVISORY
GREECE-CRETE PALAIOCHORA	35.23N	23.68E	1039Z	03 MAR	ADVISORY
GREECE-CRETE RETHYMNON	35.37N	24.48E	1041Z	03 MAR	ADVISORY
GREECE-IKARIA AG KIRYKOS	37.61N	26.30E	1045Z	03 MAR	ADVISORY
GREECE-KYTHIRA KAPSALI	36.14N	23.00E	1046Z	03 MAR	ADVISORY
GREECE-CRETE CHANIA	35.52N	24.02E	1051Z	03 MAR	ADVISORY
GREECE-MYKONOS	37.45N	25.33E	1053Z	03 MAR	ADVISORY
GREECE-KORONI	36.80N	21.96E	1054Z	03 MAR	ADVISORY
GREECE-GYTHEIO	36.76N	22.57E	1055Z	03 MAR	ADVISORY
GREECE-KALAMATA	37.02N	22.12E	1056Z	03 MAR	ADVISORY
GREECE-SAMOS KARLOVASI	37.80N	26.68E	1058Z	03 MAR	ADVISORY
GREECE-MONEMVASIA	36.69N	23.04E	1100Z	03 MAR	ADVISORY
GREECE-KYPARISSIA	37.26N	21.66E	1104Z	03 MAR	ADVISORY
GREECE-KATAKOLO	37.65N	21.33E	1107Z	03 MAR	ADVISORY
GREECE-SAMOS	37.79N	26.96E	1108Z	03 MAR	ADVISORY
GREECE-ANDROS	37.84N	24.94E	1108Z	03 MAR	ADVISORY
GREECE-ZAKYNTHOS	37.78N	20.91E	1110Z	03 MAR	ADVISORY
GREECE-CHIOS VOLLISSOS	38.47N	25.92E	1114Z	03 MAR	ADVISORY
GREECE-NAXOS	37.11N	25.37E	1116Z	03 MAR	ADVISORY
GREECE-SYROS ERMOUPOLI	37.44N	24.95E	1117Z	03 MAR	ADVISORY
GREECE-NAFPLIO	37.56N	22.78E	1127Z	03 MAR	ADVISORY
GREECE-PIRAEUS	37.94N	23.62E	1129Z	03 MAR	ADVISORY

GREECE-MILOS ADAMANTAS	36.71N	24.46E	1131Z	03 MAR	ADVISORY
GREECE-CORFU PALAIOKASTRITSA	39.67N	19.71E	1134Z	03 MAR	ADVISORY
GREECE-LESBOS PLOMARI	38.97N	26.37E	1135Z	03 MAR	ADVISORY
GREECE-KEFALONIA ARGOSTOLI	38.18N	20.49E	1135Z	03 MAR	ADVISORY
GREECE-PREVEZA PADOKRATORAS	38.95N	20.73E	1138Z	03 MAR	ADVISORY
GREECE-EVIA KYMI	38.62N	24.13E	1140Z	03 MAR	ADVISORY
GREECE-LESBOS SIGRI	39.21N	25.85E	1140Z	03 MAR	ADVISORY
GREECE-RAFINA	38.02N	24.01E	1143Z	03 MAR	ADVISORY
GREECE-IGOUMENITSA	39.51N	20.22E	1152Z	03 MAR	ADVISORY
GREECE-SKIATHOS	39.16N	23.49E	1154Z	03 MAR	ADVISORY
GREECE-LEMNOS MYRINA	39.87N	25.05E	1200Z	03 MAR	ADVISORY
GREECE-PATRAS	38.25N	21.73E	1200Z	03 MAR	ADVISORY
GREECE-LESBOS MYTILENE	39.10N	26.56E	1206Z	03 MAR	ADVISORY
GREECE-SAMOTHRAKI KAMARIOTISSA	40.47N	25.47E	1218Z	03 MAR	ADVISORY
GREECE-VOLOS	39.35N	22.95E	1228Z	03 MAR	ADVISORY
GREECE-KAVALA	40.94N	24.41E	1251Z	03 MAR	ADVISORY
GREECE-KATERINI	40.26N	22.60E	1255Z	03 MAR	ADVISORY
GREECE-ALEXANDROUPOLI	40.83N	25.90E	1301Z	03 MAR	ADVISORY
GREECE-THESSALONIKI	40.63N	22.91E	1359Z	03 MAR	ADVISORY
GREECE-EVIA CHALKIDA	38.44N	23.60E	1440Z	03 MAR	ADVISORY
ITALY-SIDERNO	38.27N	16.30E	1138Z	03 MAR	ADVISORY
ITALY-CATANZARO	38.83N	16.63E	1140Z	03 MAR	ADVISORY
ITALY-CROTONE	39.08N	17.13E	1144Z	03 MAR	ADVISORY
ITALY-REGGIO CALABRIA	38.12N	15.65E	1144Z	03 MAR	ADVISORY
ITALY-CATANIA	37.50N	15.09E	1146Z	03 MAR	ADVISORY
ITALY-MESSINA	38.20N	15.56E	1146Z	03 MAR	ADVISORY
ITALY-GALLIPOLI	40.05N	17.97E	1151Z	03 MAR	ADVISORY
ITALY-SIRACUSA	37.22N	15.23E	1153Z	03 MAR	ADVISORY
ITALY-LAGHI DI SIBARI	39.73N	16.52E	1154Z	03 MAR	ADVISORY
ITALY-OTRANTO	40.15N	18.50E	1158Z	03 MAR	ADVISORY
ITALY-GINOSTRA	38.78N	15.19E	1205Z	03 MAR	ADVISORY
ITALY-MILAZZO	38.21N	15.27E	1208Z	03 MAR	ADVISORY
ITALY-POLICORO LIDO	40.19N	16.72E	1208Z	03 MAR	ADVISORY
ITALY-TARANTO	40.48N	17.22E	1210Z	03 MAR	ADVISORY
ITALY-VIBO MARINA	38.72N	16.13E	1217Z	03 MAR	ADVISORY
ITALY-BRINDISI	40.66N	18.00E	1219Z	03 MAR	ADVISORY
ITALY-CETRARO	39.50N	15.95E	1221Z	03 MAR	ADVISORY
ITALY-PALINURO	40.03N	15.28E	1226Z	03 MAR	ADVISORY
ITALY-PALERMO	38.12N	13.37E	1233Z	03 MAR	ADVISORY
ITALY-BARI	41.14N	16.87E	1238Z	03 MAR	ADVISORY
ITALY-PONZA	40.90N	12.97E	1240Z	03 MAR	ADVISORY
ITALY-GELA	37.06N	14.23E	1244Z	03 MAR	ADVISORY
ITALY-NAPOLI	40.84N	14.27E	1244Z	03 MAR	ADVISORY
ITALY-SALERNO	40.68N	14.75E	1246Z	03 MAR	ADVISORY
ITALY-LAMPEDUSA	35.50N	12.60E	1250Z	03 MAR	ADVISORY
ITALY-PORTO EMPEDOCLE	37.29N	13.53E	1251Z	03 MAR	ADVISORY
ITALY-GAETA	41.21N	13.59E	1254Z	03 MAR	ADVISORY
ITALY-ANZIO	41.45N	12.63E	1259Z	03 MAR	ADVISORY
ITALY-SCIACCA	37.50N	13.08E	1301Z	03 MAR	ADVISORY
ITALY-FIUMICINO	41.77N	12.21E	1307Z	03 MAR	ADVISORY
ITALY-OROSEI	40.44N	9.78E	1308Z	03 MAR	ADVISORY
ITALY-CIVITAVECCHIA	42.09N	11.79E	1308Z	03 MAR	ADVISORY
ITALY-VIESTE	41.89N	16.18E	1309Z	03 MAR	ADVISORY
ITALY-BARLETTA	41.33N	16.30E	1311Z	03 MAR	ADVISORY
ITALY-MAZARA DEL VALLO	37.64N	12.58E	1318Z	03 MAR	ADVISORY
ITALY-CAGLIARI	39.21N	9.11E	1327Z	03 MAR	ADVISORY
ITALY-MARINA DI CAMPO	42.74N	10.24E	1330Z	03 MAR	ADVISORY
ITALY-MARINA DI GROSSETO	42.72N	10.98E	1330Z	03 MAR	ADVISORY
ITALY-SANTA TERESA DI GALLURA	41.25N	9.19E	1332Z	03 MAR	ADVISORY
ITALY-PIOMBINO	42.92N	10.53E	1340Z	03 MAR	ADVISORY
ITALY-CARLOFORTE	39.15N	8.31E	1352Z	03 MAR	ADVISORY
ITALY-TERMOLI	42.00N	15.01E	1358Z	03 MAR	ADVISORY
ITALY-ALGHERO	40.54N	8.32E	1359Z	03 MAR	ADVISORY

ITALY-ORISTANO	39.86N	8.44E	1400Z	03 MAR	ADVISORY
ITALY-IMPERIA	43.88N	8.02E	1405Z	03 MAR	ADVISORY
ITALY-GENOVA	44.41N	8.93E	1407Z	03 MAR	ADVISORY
ITALY-LIVORNO	43.55N	10.30E	1407Z	03 MAR	ADVISORY
ITALY-ORTONA	42.36N	14.41E	1416Z	03 MAR	ADVISORY
ITALY-PORTO TORRES	40.84N	8.40E	1422Z	03 MAR	ADVISORY
ITALY-LA SPEZIA	44.10N	9.86E	1436Z	03 MAR	ADVISORY
ITALY-SAN BENEDETTO DEL TRONTO	42.96N	13.89E	1444Z	03 MAR	ADVISORY
ITALY-ANCONA	43.62N	13.51E	1516Z	03 MAR	ADVISORY
ITALY-CESENATICO	44.18N	12.42E	1648Z	03 MAR	ADVISORY
ITALY-RAVENNA	44.49N	12.28E	1700Z	03 MAR	ADVISORY
ITALY-CHIOGGIA	45.21N	12.30E	1732Z	03 MAR	ADVISORY
ITALY-VENEZIA	45.42N	12.43E	1749Z	03 MAR	ADVISORY
ITALY-TRIESTE	45.65N	13.76E	1750Z	03 MAR	ADVISORY
MONACO-MONTE-CARLO	43.73N	7.43E	1408Z	03 MAR	ADVISORY
SPAIN-MAHÓN	39.89N	4.27E	1403Z	03 MAR	ADVISORY
SPAIN-BARCELONA	41.39N	2.18E	1426Z	03 MAR	ADVISORY
SPAIN-IBIZA	38.91N	1.44E	1432Z	03 MAR	ADVISORY
SPAIN-TARRAGONA	41.12N	1.26E	1435Z	03 MAR	ADVISORY
SPAIN-CARTAGENA	37.61N	0.98W	1440Z	03 MAR	ADVISORY
SPAIN-PALMA DE MALLORCA	39.57N	2.65E	1443Z	03 MAR	ADVISORY
SPAIN-ALICANTE	38.35N	0.48W	1457Z	03 MAR	ADVISORY
SPAIN-ALMERÍA	36.84N	2.47W	1502Z	03 MAR	ADVISORY
SPAIN-VALENCIA	39.48N	0.38W	1504Z	03 MAR	ADVISORY
SPAIN-MELILLA	35.30N	2.94W	1521Z	03 MAR	ADVISORY
SPAIN-MÁLAGA	36.72N	4.42W	1531Z	03 MAR	ADVISORY
SPAIN-ALGECIRAS	36.13N	5.45W	1535Z	03 MAR	ADVISORY
SPAIN-CASTELLON DE LA PLANA	39.99N	0.04W	1543Z	03 MAR	ADVISORY
SPAIN-CEUTA	35.89N	5.32W	1553Z	03 MAR	ADVISORY
TURKIYE-MUGLA DALAMAN	36.69N	28.78E	0950Z	03 MAR	ADVISORY
TURKIYE-MUGLA AKSAZ (M)	36.84N	28.40E	1017Z	03 MAR	ADVISORY
TURKIYE-MUGLA BODRUM (M)	37.03N	27.42E	1031Z	03 MAR	ADVISORY
TURKIYE-AYDIN DIDIM	37.35N	27.28E	1100Z	03 MAR	ADVISORY
TURKIYE-IZMIR ALACATI	38.25N	26.39E	1106Z	03 MAR	ADVISORY
TURKIYE-AYDIN KUSADASI	37.87N	27.26E	1115Z	03 MAR	ADVISORY
TURKIYE-IZMIR ALIAGA	38.83N	26.94E	1203Z	03 MAR	ADVISORY
TURKIYE-CANAKKALE GOKCEADA (M)	40.23N	25.89E	1222Z	03 MAR	ADVISORY
TURKIYE-CANAKKALE BOZCAADA	39.84N	26.08E	1226Z	03 MAR	ADVISORY
TURKIYE-IZMIR MENTES (M)	38.43N	26.72E	1231Z	03 MAR	ADVISORY
TURKIYE-EDIRNE ENEZ	40.71N	26.05E	1247Z	03 MAR	ADVISORY
TURKIYE-BALIKESIR AYVALIK	39.31N	26.69E	1301Z	03 MAR	ADVISORY
TURKIYE-IZMIR ALSANCAK	38.44N	27.14E	1330Z	03 MAR	ADVISORY
UNITED KINGDOM-GIBRALTAR	36.13N	5.37W	1531Z	03 MAR	ADVISORY

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY

COUNTRY	GAUGE LOCATION	LAT	LON	TIME	AMPL	PER
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CYPRUS	PAPHOS	34.76	32.41	09:06	0.84	8.0
CYPRUS	LIMASSOL	34.67	33.04	09:08	0.89	28.0

LAT - LATITUDE (N-NORTH, S-SOUTH)

LON - LONGITUDE (E-EAST, W-WEST)

TIME - TIME OF THE MEASUREMENT (Z IS UTC TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL.

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN METERS (M).

PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS.

THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

**T(n4): 09:45 UTC - NOA MESSAGE #003**

TSUNAMI MESSAGE NUMBER 003  
NEAM NOA HL-NTWC TSUNAMI SERVICE PROVIDER  
ISSUED AT 0945Z 03 MAR 2026

... TSUNAMI WATCH ONGOING ...  
THIS ALERT APPLIES TO CYPRUS...GREECE...ISRAEL...LEBANON...SYRIA...TURKIYE

... TSUNAMI ADVISORY ONGOING ...  
THIS ALERT APPLIES TO CROATIA...FRANCE...ITALY...MONACO...SPAIN...UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0900 UTC TUE MAR 3 2026  
COORDINATES - 34.63 NORTH 32.68 EAST  
DEPTH - 8.5 KM  
LOCATION - SW COAST OF CYPRUS  
MAGNITUDE - 7.5 M

EVALUATION OF TSUNAMI WATCH  
SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

EVALUATION OF TSUNAMI ADVISORY  
SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT LESS THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP LESS THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH/ADVISORY AREA GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.

LOCATION	FP COORDINATES	ARRIVAL TIME	ALERT LEVEL
CYPRUS-PAFOS	34.77N 32.42E	0908Z 03 MAR	WATCH
CYPRUS-LEMESOS	34.68N 33.03E	0909Z 03 MAR	WATCH
CYPRUS-VASILIKO	34.72N 33.32E	0911Z 03 MAR	WATCH
CYPRUS-POLIS	35.03N 32.43E	0922Z 03 MAR	WATCH
CYPRUS-LARNAKA	34.92N 33.62E	0926Z 03 MAR	WATCH
CYPRUS-MORFOU	35.20N 32.99E	0930Z 03 MAR	WATCH
CYPRUS-KERYNEIA	35.33N 33.32E	0935Z 03 MAR	WATCH
CYPRUS-AMMOCHOSTOS	35.11N 33.94E	0937Z 03 MAR	WATCH
GREECE-KASTELORIZO MEGISTI	36.15N 29.59E	0954Z 03 MAR	WATCH
ISRAEL-HAIFA	32.80N 34.94E	0937Z 03 MAR	WATCH

ISRAEL-NAHARIYA	33.01N 35.07E 0937Z 03 MAR WATCH
ISRAEL-HADERA	32.46N 34.87E 0944Z 03 MAR WATCH
ISRAEL-TEL AVIV	32.08N 34.75E 0950Z 03 MAR WATCH
ISRAEL-ASHDOD	31.81N 34.63E 0956Z 03 MAR WATCH
ISRAEL-ASHKELON	31.69N 34.55E 0959Z 03 MAR WATCH
LEBANON-BEIRUT	33.90N 35.45E 0930Z 03 MAR WATCH
LEBANON-TYRE	33.29N 35.18E 0933Z 03 MAR WATCH
LEBANON-SIDON	33.57N 35.36E 0934Z 03 MAR WATCH
LEBANON-TRIPOLI	34.47N 35.81E 0942Z 03 MAR WATCH
LEBANON-QLAIAAT	34.58N 35.98E 0948Z 03 MAR WATCH
SYRIA-TARTOUS	34.91N 35.86E 0940Z 03 MAR WATCH
SYRIA-LATTAKIA	35.54N 35.75E 0950Z 03 MAR WATCH
TURKIYE-ANTALYA ALANYA	36.55N 31.98E 0929Z 03 MAR WATCH
TURKIYE-MERSIN BOZYAZI (M)	36.10N 32.94E 0929Z 03 MAR WATCH
TURKIYE-ANTALYA (M)	36.83N 30.61E 0938Z 03 MAR WATCH
TURKIYE-ANTALYA FINIKE	36.29N 30.15E 0949Z 03 MAR WATCH
TURKIYE-ANTALYA KAS	36.20N 29.64E 0953Z 03 MAR WATCH
TURKIYE-MERSIN TASUCU (M)	36.28N 33.84E 0959Z 03 MAR WATCH
TURKIYE-MERSIN ERDEMLI (M)	36.56N 34.26E 1000Z 03 MAR WATCH
TURKIYE-MUGLA FETHIYE	36.66N 29.11E 1008Z 03 MAR WATCH
TURKIYE-HATAY ISKENDERUN (M)	36.59N 36.18E 1040Z 03 MAR WATCH
TURKIYE-ADANA YUMURTALIK	36.91N 35.98E 1049Z 03 MAR WATCH
CROATIA-DUBROVNIK	42.64N 18.10E 1239Z 03 MAR ADVISORY
CROATIA-PALAGRUZA	42.39N 16.26E 1257Z 03 MAR ADVISORY
CROATIA-VELA LUKA	42.96N 16.70E 1324Z 03 MAR ADVISORY
CROATIA-ZIRJE	43.63N 15.69E 1348Z 03 MAR ADVISORY
CROATIA-VELI RAT (DUGI OTOK)	44.15N 14.82E 1436Z 03 MAR ADVISORY
CROATIA-SPLIT	43.50N 16.44E 1443Z 03 MAR ADVISORY
CROATIA-MALI LOSINJ	44.54N 14.43E 1522Z 03 MAR ADVISORY
CROATIA-PULA	44.85N 13.82E 1611Z 03 MAR ADVISORY
CROATIA-POREC	45.22N 13.58E 1645Z 03 MAR ADVISORY
CROATIA-RIJEKA	45.34N 14.37E 1752Z 03 MAR ADVISORY
FRANCE-BASTIA	42.70N 9.45E 1333Z 03 MAR ADVISORY
FRANCE-SOLENZARA	42.83N 9.40E 1356Z 03 MAR ADVISORY
FRANCE-L'ILE ROUSSE	42.64N 8.93E 1358Z 03 MAR ADVISORY
FRANCE-AJACCIO	41.93N 8.78E 1401Z 03 MAR ADVISORY
FRANCE-NICE	43.70N 7.27E 1408Z 03 MAR ADVISORY
FRANCE-CANNES	43.55N 7.03E 1412Z 03 MAR ADVISORY
FRANCE-TOULONE	43.11N 5.97E 1416Z 03 MAR ADVISORY
FRANCE-PORT VENDRE	42.52N 3.11E 1434Z 03 MAR ADVISORY
FRANCE-MARSEILLE	43.31N 5.38E 1435Z 03 MAR ADVISORY
FRANCE-SETE	43.40N 3.69E 1503Z 03 MAR ADVISORY
GREECE-RHODES PLIMMYRI	35.93N 27.86E 0948Z 03 MAR ADVISORY
GREECE-RHODES	36.45N 28.23E 0951Z 03 MAR ADVISORY
GREECE-KARPATOS	35.51N 27.21E 0957Z 03 MAR ADVISORY
GREECE-KASOS FRI	35.42N 26.92E 1009Z 03 MAR ADVISORY
GREECE-CRETE IERAPETRA	35.00N 25.74E 1011Z 03 MAR ADVISORY
GREECE-GAVDOS KARAVE	34.85N 24.12E 1024Z 03 MAR ADVISORY
GREECE-KOS	36.90N 27.29E 1027Z 03 MAR ADVISORY
GREECE-CRETE AG NIKOLAOS	35.19N 25.72E 1028Z 03 MAR ADVISORY
GREECE-SANTORINI ORMOS FIRON	36.39N 25.43E 1033Z 03 MAR ADVISORY
GREECE-CRETE SITIA	35.21N 26.11E 1035Z 03 MAR ADVISORY
GREECE-CRETE HERAKLEION	35.35N 25.15E 1036Z 03 MAR ADVISORY
GREECE-AMORGOS KATAPOLA	36.83N 25.86E 1039Z 03 MAR ADVISORY
GREECE-CRETE PALAIOCHORA	35.23N 23.68E 1039Z 03 MAR ADVISORY
GREECE-CRETE RETHYMNON	35.37N 24.48E 1041Z 03 MAR ADVISORY
GREECE-IKARIA AG KIRYKOS	37.61N 26.30E 1045Z 03 MAR ADVISORY
GREECE-KYTHIRA KAPSALI	36.14N 23.00E 1046Z 03 MAR ADVISORY
GREECE-CRETE CHANIA	35.52N 24.02E 1051Z 03 MAR ADVISORY
GREECE-MYKONOS	37.45N 25.33E 1053Z 03 MAR ADVISORY
GREECE-KORONI	36.80N 21.96E 1054Z 03 MAR ADVISORY
GREECE-GYTHEIO	36.76N 22.57E 1055Z 03 MAR ADVISORY

GREECE-KALAMATA	37.02N 22.12E 1056Z 03 MAR ADVISORY
GREECE-SAMOS KARLOVASI	37.80N 26.68E 1058Z 03 MAR ADVISORY
GREECE-MONEMVASIA	36.69N 23.04E 1100Z 03 MAR ADVISORY
GREECE-KYPARISSIA	37.26N 21.66E 1104Z 03 MAR ADVISORY
GREECE-KATAKOLO	37.65N 21.33E 1107Z 03 MAR ADVISORY
GREECE-SAMOS	37.79N 26.96E 1108Z 03 MAR ADVISORY
GREECE-ANDROS	37.84N 24.94E 1108Z 03 MAR ADVISORY
GREECE-ZAKYNTHOS	37.78N 20.91E 1110Z 03 MAR ADVISORY
GREECE-CHIOS VOLLISSOS	38.47N 25.92E 1114Z 03 MAR ADVISORY
GREECE-NAXOS	37.11N 25.37E 1116Z 03 MAR ADVISORY
GREECE-SYROS ERMROUPOLI	37.44N 24.95E 1117Z 03 MAR ADVISORY
GREECE-NAFLIO	37.56N 22.78E 1127Z 03 MAR ADVISORY
GREECE-PIRAEUS	37.94N 23.62E 1129Z 03 MAR ADVISORY
GREECE-MILOS ADAMANTAS	36.71N 24.46E 1131Z 03 MAR ADVISORY
GREECE-CORFU PALAIOKASTRITSA	39.67N 19.71E 1134Z 03 MAR ADVISORY
GREECE-LESBOS PLOMARI	38.97N 26.37E 1135Z 03 MAR ADVISORY
GREECE-KEFALONIA ARGOSTOLI	38.18N 20.49E 1135Z 03 MAR ADVISORY
GREECE-PREVEZA PADOKRATORAS	38.95N 20.73E 1138Z 03 MAR ADVISORY
GREECE-EVIA KYMI	38.62N 24.13E 1140Z 03 MAR ADVISORY
GREECE-LESBOS SIGRI	39.21N 25.85E 1140Z 03 MAR ADVISORY
GREECE-RAFINA	38.02N 24.01E 1143Z 03 MAR ADVISORY
GREECE-IGOUMENITSA	39.51N 20.22E 1152Z 03 MAR ADVISORY
GREECE-SKIATHOS	39.16N 23.49E 1154Z 03 MAR ADVISORY
GREECE-LEMNOS MYRINA	39.87N 25.05E 1200Z 03 MAR ADVISORY
GREECE-PATRAS	38.25N 21.73E 1200Z 03 MAR ADVISORY
GREECE-LESBOS MYTILENE	39.10N 26.56E 1206Z 03 MAR ADVISORY
GREECE-SAMOTHRAKI KAMARIOTISSA	40.47N 25.47E 1218Z 03 MAR ADVISORY
GREECE-VOLOS	39.35N 22.95E 1228Z 03 MAR ADVISORY
GREECE-KAVALA	40.94N 24.41E 1251Z 03 MAR ADVISORY
GREECE-KATERINI	40.26N 22.60E 1255Z 03 MAR ADVISORY
GREECE-ALEXANDROUPOLI	40.83N 25.90E 1301Z 03 MAR ADVISORY
GREECE-THESSALONIKI	40.63N 22.91E 1359Z 03 MAR ADVISORY
GREECE-EVIA CHALKIDA	38.44N 23.60E 1440Z 03 MAR ADVISORY
ITALY-SIDERNO	38.27N 16.30E 1138Z 03 MAR ADVISORY
ITALY-CATANZARO	38.83N 16.63E 1140Z 03 MAR ADVISORY
ITALY-CROTONE	39.08N 17.13E 1144Z 03 MAR ADVISORY
ITALY-REGGIO CALABRIA	38.12N 15.65E 1144Z 03 MAR ADVISORY
ITALY-CATANIA	37.50N 15.09E 1146Z 03 MAR ADVISORY
ITALY-MESSINA	38.20N 15.56E 1146Z 03 MAR ADVISORY
ITALY-GALLIPOLI	40.05N 17.97E 1151Z 03 MAR ADVISORY
ITALY-SIRACUSA	37.22N 15.23E 1153Z 03 MAR ADVISORY
ITALY-LAGHI DI SIBARI	39.73N 16.52E 1154Z 03 MAR ADVISORY
ITALY-OTRANTO	40.15N 18.50E 1158Z 03 MAR ADVISORY
ITALY-GINOSTRA	38.78N 15.19E 1205Z 03 MAR ADVISORY
ITALY-MILAZZO	38.21N 15.27E 1208Z 03 MAR ADVISORY
ITALY-POLICORO LIDO	40.19N 16.72E 1208Z 03 MAR ADVISORY
ITALY-TARANTO	40.48N 17.22E 1210Z 03 MAR ADVISORY
ITALY-VIBO MARINA	38.72N 16.13E 1217Z 03 MAR ADVISORY
ITALY-BRINDISI	40.66N 18.00E 1219Z 03 MAR ADVISORY
ITALY-CETRARO	39.50N 15.95E 1221Z 03 MAR ADVISORY
ITALY-PALINURO	40.03N 15.28E 1226Z 03 MAR ADVISORY
ITALY-PALERMO	38.12N 13.37E 1233Z 03 MAR ADVISORY
ITALY-BARI	41.14N 16.87E 1238Z 03 MAR ADVISORY
ITALY-PONZA	40.90N 12.97E 1240Z 03 MAR ADVISORY
ITALY-GELA	37.06N 14.23E 1244Z 03 MAR ADVISORY
ITALY-NAPOLI	40.84N 14.27E 1244Z 03 MAR ADVISORY
ITALY-SALERNO	40.68N 14.75E 1246Z 03 MAR ADVISORY
ITALY-LAMPEDUSA	35.50N 12.60E 1250Z 03 MAR ADVISORY
ITALY-PORTO EMPEDOCLE	37.29N 13.53E 1251Z 03 MAR ADVISORY
ITALY-GAETA	41.21N 13.59E 1254Z 03 MAR ADVISORY
ITALY-ANZIO	41.45N 12.63E 1259Z 03 MAR ADVISORY
ITALY-SCIACCA	37.50N 13.08E 1301Z 03 MAR ADVISORY
ITALY-FIUMICINO	41.77N 12.21E 1307Z 03 MAR ADVISORY

ITALY-OROSEI	40.44N	9.78E	1308Z	03 MAR	ADVISORY	
ITALY-CIVITAVECCHIA	42.09N	11.79E	1308Z	03 MAR	ADVISORY	
ITALY-VIESTE	41.89N	16.18E	1309Z	03 MAR	ADVISORY	
ITALY-BARLETTA	41.33N	16.30E	1311Z	03 MAR	ADVISORY	
ITALY-MAZARA DEL VALLO	37.64N	12.58E	1318Z	03 MAR	ADVISORY	
ITALY-CAGLIARI	39.21N	9.11E	1327Z	03 MAR	ADVISORY	
ITALY-MARINA DI CAMPO	42.74N	10.24E	1330Z	03 MAR	ADVISORY	
ITALY-MARINA DI GROSSETO	42.72N	10.98E	1330Z	03 MAR	ADVISORY	
ITALY-SANTA TERESA DI GALLURA	41.25N	9.19E	1332Z	03 MAR	ADVISORY	
ITALY-PIOMBINO	42.92N	10.53E	1340Z	03 MAR	ADVISORY	
ITALY-CARLOFORTE	39.15N	8.31E	1352Z	03 MAR	ADVISORY	
ITALY-TERMOLI	42.00N	15.01E	1358Z	03 MAR	ADVISORY	
ITALY-ALGHERO	40.54N	8.32E	1359Z	03 MAR	ADVISORY	
ITALY-ORISTANO	39.86N	8.44E	1400Z	03 MAR	ADVISORY	
ITALY-IMPERIA	43.88N	8.02E	1405Z	03 MAR	ADVISORY	
ITALY-GENOVA	44.41N	8.93E	1407Z	03 MAR	ADVISORY	
ITALY-LIVORNO	43.55N	10.30E	1407Z	03 MAR	ADVISORY	
ITALY-ORTONA	42.36N	14.41E	1416Z	03 MAR	ADVISORY	
ITALY-PORTO TORRES	40.84N	8.40E	1422Z	03 MAR	ADVISORY	
ITALY-LA SPEZIA	44.10N	9.86E	1436Z	03 MAR	ADVISORY	
ITALY-SAN BENEDETTO DEL TRONTO	42.96N	13.89E	1444Z	03 MAR	ADVISORY	
ITALY-ANCONA	43.62N	13.51E	1516Z	03 MAR	ADVISORY	
ITALY-CESENATICO	44.18N	12.42E	1648Z	03 MAR	ADVISORY	
ITALY-RAVENNA	44.49N	12.28E	1700Z	03 MAR	ADVISORY	
ITALY-CHIOGGIA	45.21N	12.30E	1732Z	03 MAR	ADVISORY	
ITALY-VENEZIA	45.42N	12.43E	1749Z	03 MAR	ADVISORY	
ITALY-TRIESTE	45.65N	13.76E	1750Z	03 MAR	ADVISORY	
MONACO-MONTE-CARLO	43.73N	7.43E	1408Z	03 MAR	ADVISORY	
SPAIN-MAHÓN	39.89N	4.27E	1403Z	03 MAR	ADVISORY	
SPAIN-BARCELONA	41.39N	2.18E	1426Z	03 MAR	ADVISORY	
SPAIN-IBIZA	38.91N	1.44E	1432Z	03 MAR	ADVISORY	
SPAIN-TARRAGONA	41.12N	1.26E	1435Z	03 MAR	ADVISORY	
SPAIN-CARTAGENA	37.61N	0.98W	1440Z	03 MAR	ADVISORY	
SPAIN-PALMA DE MALLORCA	39.57N	2.65E	1443Z	03 MAR	ADVISORY	
SPAIN-ALICANTE	38.35N	0.48W	1457Z	03 MAR	ADVISORY	
SPAIN-ALMERÍA	36.84N	2.47W	1502Z	03 MAR	ADVISORY	
SPAIN-VALENCIA	39.48N	0.38W	1504Z	03 MAR	ADVISORY	
SPAIN-MELILLA	35.30N	2.94W	1521Z	03 MAR	ADVISORY	
SPAIN-MÁLAGA	36.72N	4.42W	1531Z	03 MAR	ADVISORY	
SPAIN-ALGECIRAS	36.13N	5.45W	1535Z	03 MAR	ADVISORY	
SPAIN-CASTELLON DE LA PLANA	39.99N	0.04W	1543Z	03 MAR	ADVISORY	
SPAIN-CEUTA	35.89N	5.32W	1553Z	03 MAR	ADVISORY	
TURKIYE-MUGLA DALAMAN	36.69N	28.78E	0950Z	03 MAR	ADVISORY	
TURKIYE-MUGLA AKSAZ (M)	36.84N	28.40E	1017Z	03 MAR	ADVISORY	
TURKIYE-MUGLA BODRUM (M)	37.03N	27.42E	1031Z	03 MAR	ADVISORY	
TURKIYE-AYDIN DIDIM	37.35N	27.28E	1100Z	03 MAR	ADVISORY	
TURKIYE-IZMIR ALACATI	38.25N	26.39E	1106Z	03 MAR	ADVISORY	
TURKIYE-AYDIN KUSADASI	37.87N	27.26E	1115Z	03 MAR	ADVISORY	
TURKIYE-IZMIR ALIAGA	38.83N	26.94E	1203Z	03 MAR	ADVISORY	
TURKIYE-CANAKKALE GOKCEADA (M)	40.23N	25.89E	1222Z	03 MAR	ADVISORY	
TURKIYE-CANAKKALE BOZCAADA	39.84N	26.08E	1226Z	03 MAR	ADVISORY	
TURKIYE-IZMIR MENTES (M)	38.43N	26.72E	1231Z	03 MAR	ADVISORY	
TURKIYE-EDIRNE ENEZ	40.71N	26.05E	1247Z	03 MAR	ADVISORY	
TURKIYE-BALIKESIR AYVALIK	39.31N	26.69E	1301Z	03 MAR	ADVISORY	
TURKIYE-IZMIR ALSANCAK	38.44N	27.14E	1330Z	03 MAR	ADVISORY	
UNITED KINGDOM-GIBRALTAR	36.13N	5.37W	1531Z	03 MAR	ADVISORY	
MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY						
COUNTRY	GAUGE LOCATION	LAT	LON	TIME	AMPL	PER
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CYPRUS	PAPHOS	34.76	32.41	09:06	0.84	8.0
CYPRUS	LIMASSOL	34.67	33.04	09:08	0.89	28.0
CYPRUS	POMOS	35.18	32.56	09:19	0.37	22.0

CYPRUS	LARNAKA	34.93	33.65	09:24	0.62	24.0
CYPRUS	PARALIMNI	35.04	34.04	09:29	0.31	21.0
TURKIYE	BOZYAZI	36.10	32.94	09:33	0.24	22.0
LEBANON	BATROUN (IDSL-21)	34.26	35.66	09:34	0.41	10.0

LAT - LATITUDE (N-NORTH, S-SOUTH)

LON - LONGITUDE (E-EAST, W-WEST)

TIME - TIME OF THE MEASUREMENT (Z IS UTC TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL.

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN METERS (M).

PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS.

THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

### **T(n5): 11:00 UTC - NOA MESSAGE #004**

TSUNAMI MESSAGE NUMBER 004

NEAM NOA HL-NTWC TSUNAMI SERVICE PROVIDER

ISSUED AT 1100Z 03 MAR 2026

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO CYPRUS...GREECE...ISRAEL...LEBANON...SYRIA...TURKIYE

... TSUNAMI ADVISORY ONGOING ...

THIS ALERT APPLIES TO CROATIA...FRANCE...ITALY...MONACO...SPAIN...UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL

GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE

OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0900 UTC TUE MAR 3 2026

COORDINATES - 34.63 NORTH 32.68 EAST

DEPTH - 8.5 KM

LOCATION - SW COAST OF CYPRUS

MAGNITUDE - 7.5 M

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR

CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR

SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE

ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE

TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT

BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY

SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI

WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE

FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

EVALUATION OF TSUNAMI ADVISORY

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT LESS THAN 0.5M AND/OR

CAUSE A TSUNAMI RUN-UP LESS THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA

LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE

ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO

THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE

THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY

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MULTIPLE WAVES ARRIVE.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE

WATCH/ADVISORY AREA GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.

LOCATION	FP COORDINATES	ARRIVAL TIME	ALERT LEVEL
CYPRUS-PAFOS	34.77N 32.42E	0908Z	03 MAR WATCH
CYPRUS-LEMESOS	34.68N 33.03E	0909Z	03 MAR WATCH
CYPRUS-VASILIKO	34.72N 33.32E	0911Z	03 MAR WATCH
CYPRUS-POLIS	35.03N 32.43E	0922Z	03 MAR WATCH
CYPRUS-LARNAKA	34.92N 33.62E	0926Z	03 MAR WATCH
CYPRUS-MORFOU	35.20N 32.99E	0930Z	03 MAR WATCH
CYPRUS-KERYNEIA	35.33N 33.32E	0935Z	03 MAR WATCH
CYPRUS-AMMOCHOSTOS	35.11N 33.94E	0937Z	03 MAR WATCH
GREECE-KASTELORIZO MEGISTI	36.15N 29.59E	0954Z	03 MAR WATCH
ISRAEL-HAIFA	32.80N 34.94E	0937Z	03 MAR WATCH
ISRAEL-NAHARIYA	33.01N 35.07E	0937Z	03 MAR WATCH
ISRAEL-HADERA	32.46N 34.87E	0944Z	03 MAR WATCH
ISRAEL-TEL AVIV	32.08N 34.75E	0950Z	03 MAR WATCH
ISRAEL-ASHDOD	31.81N 34.63E	0956Z	03 MAR WATCH
ISRAEL-ASHKELON	31.69N 34.55E	0959Z	03 MAR WATCH
LEBANON-BEIRUT	33.90N 35.45E	0930Z	03 MAR WATCH
LEBANON-TYRE	33.29N 35.18E	0933Z	03 MAR WATCH
LEBANON-SIDON	33.57N 35.36E	0934Z	03 MAR WATCH
LEBANON-TRIPOLI	34.47N 35.81E	0942Z	03 MAR WATCH
LEBANON-QLAIAAT	34.58N 35.98E	0948Z	03 MAR WATCH
SYRIA-TARTOUS	34.91N 35.86E	0940Z	03 MAR WATCH
SYRIA-LATTAKIA	35.54N 35.75E	0950Z	03 MAR WATCH
TURKIYE-ANTALYA ALANYA	36.55N 31.98E	0929Z	03 MAR WATCH
TURKIYE-MERSIN BOZYAZI (M)	36.10N 32.94E	0929Z	03 MAR WATCH
TURKIYE-ANTALYA (M)	36.83N 30.61E	0938Z	03 MAR WATCH
TURKIYE-ANTALYA FINIKE	36.29N 30.15E	0949Z	03 MAR WATCH
TURKIYE-ANTALYA KAS	36.20N 29.64E	0953Z	03 MAR WATCH
TURKIYE-MERSIN TASUCU (M)	36.28N 33.84E	0959Z	03 MAR WATCH
TURKIYE-MERSIN ERDEMLI (M)	36.56N 34.26E	1000Z	03 MAR WATCH
TURKIYE-MUGLA FETHIYE	36.66N 29.11E	1008Z	03 MAR WATCH
TURKIYE-HATAY ISKENDERUN (M)	36.59N 36.18E	1040Z	03 MAR WATCH
TURKIYE-ADANA YUMURTALIK	36.91N 35.98E	1049Z	03 MAR WATCH
CROATIA-DUBROVNIK	42.64N 18.10E	1239Z	03 MAR ADVISORY
CROATIA-PALAGRUZA	42.39N 16.26E	1257Z	03 MAR ADVISORY
CROATIA-VELA LUKA	42.96N 16.70E	1324Z	03 MAR ADVISORY
CROATIA-ZIRJE	43.63N 15.69E	1348Z	03 MAR ADVISORY
CROATIA-VELI RAT (DUGI OTOK)	44.15N 14.82E	1436Z	03 MAR ADVISORY
CROATIA-SPLIT	43.50N 16.44E	1443Z	03 MAR ADVISORY
CROATIA-MALI LOSINJ	44.54N 14.43E	1522Z	03 MAR ADVISORY
CROATIA-PULA	44.85N 13.82E	1611Z	03 MAR ADVISORY
CROATIA-POREC	45.22N 13.58E	1645Z	03 MAR ADVISORY
CROATIA-RIJEKA	45.34N 14.37E	1752Z	03 MAR ADVISORY
FRANCE-BASTIA	42.70N 9.45E	1333Z	03 MAR ADVISORY
FRANCE-SOLENZARA	42.83N 9.40E	1356Z	03 MAR ADVISORY
FRANCE-L'ILE ROUSSE	42.64N 8.93E	1358Z	03 MAR ADVISORY
FRANCE-AJACCIO	41.93N 8.78E	1401Z	03 MAR ADVISORY
FRANCE-NICE	43.70N 7.27E	1408Z	03 MAR ADVISORY
FRANCE-CANNES	43.55N 7.03E	1412Z	03 MAR ADVISORY
FRANCE-TOULONE	43.11N 5.97E	1416Z	03 MAR ADVISORY
FRANCE-PORT VENDRE	42.52N 3.11E	1434Z	03 MAR ADVISORY
FRANCE-MARSEILLE	43.31N 5.38E	1435Z	03 MAR ADVISORY
FRANCE-SETE	43.40N 3.69E	1503Z	03 MAR ADVISORY
GREECE-RHODES PLIMMYRI	35.93N 27.86E	0948Z	03 MAR ADVISORY
GREECE-RHODES	36.45N 28.23E	0951Z	03 MAR ADVISORY
GREECE-KARPATOS	35.51N 27.21E	0957Z	03 MAR ADVISORY
GREECE-KASOS FRI	35.42N 26.92E	1009Z	03 MAR ADVISORY

GREECE-CRETE IERAPETRA	35.00N 25.74E 1011Z	03 MAR ADVISORY
GREECE-GAVDOS KARAVE	34.85N 24.12E 1024Z	03 MAR ADVISORY
GREECE-KOS	36.90N 27.29E 1027Z	03 MAR ADVISORY
GREECE-CRETE AG NIKOLAOS	35.19N 25.72E 1028Z	03 MAR ADVISORY
GREECE-SANTORINI ORMOS FIRON	36.39N 25.43E 1033Z	03 MAR ADVISORY
GREECE-CRETE SITIA	35.21N 26.11E 1035Z	03 MAR ADVISORY
GREECE-CRETE HERAKLEION	35.35N 25.15E 1036Z	03 MAR ADVISORY
GREECE-AMORGOS KATAPOLA	36.83N 25.86E 1039Z	03 MAR ADVISORY
GREECE-CRETE PALAIOCHORA	35.23N 23.68E 1039Z	03 MAR ADVISORY
GREECE-CRETE RETHYMNON	35.37N 24.48E 1041Z	03 MAR ADVISORY
GREECE-IKARIA AG KIRYKOS	37.61N 26.30E 1045Z	03 MAR ADVISORY
GREECE-KYTHIRA KAPSALI	36.14N 23.00E 1046Z	03 MAR ADVISORY
GREECE-CRETE CHANIA	35.52N 24.02E 1051Z	03 MAR ADVISORY
GREECE-MYKONOS	37.45N 25.33E 1053Z	03 MAR ADVISORY
GREECE-KORONI	36.80N 21.96E 1054Z	03 MAR ADVISORY
GREECE-GYTHEIO	36.76N 22.57E 1055Z	03 MAR ADVISORY
GREECE-KALAMATA	37.02N 22.12E 1056Z	03 MAR ADVISORY
GREECE-SAMOS KARLOVASI	37.80N 26.68E 1058Z	03 MAR ADVISORY
GREECE-MONEMVASIA	36.69N 23.04E 1100Z	03 MAR ADVISORY
GREECE-KYPARISSIA	37.26N 21.66E 1104Z	03 MAR ADVISORY
GREECE-KATAKOLO	37.65N 21.33E 1107Z	03 MAR ADVISORY
GREECE-SAMOS	37.79N 26.96E 1108Z	03 MAR ADVISORY
GREECE-ANDROS	37.84N 24.94E 1108Z	03 MAR ADVISORY
GREECE-ZAKYNTHOS	37.78N 20.91E 1110Z	03 MAR ADVISORY
GREECE-CHIOS VOLLISSOS	38.47N 25.92E 1114Z	03 MAR ADVISORY
GREECE-NAXOS	37.11N 25.37E 1116Z	03 MAR ADVISORY
GREECE-SYROS ERMROUPOLI	37.44N 24.95E 1117Z	03 MAR ADVISORY
GREECE-NAFPLIO	37.56N 22.78E 1127Z	03 MAR ADVISORY
GREECE-PIRAEUS	37.94N 23.62E 1129Z	03 MAR ADVISORY
GREECE-MILOS ADAMANTAS	36.71N 24.46E 1131Z	03 MAR ADVISORY
GREECE-CORFU PALAIOKASTRITSA	39.67N 19.71E 1134Z	03 MAR ADVISORY
GREECE-LESBOS PLOMARI	38.97N 26.37E 1135Z	03 MAR ADVISORY
GREECE-KEFALONIA ARGOSTOLI	38.18N 20.49E 1135Z	03 MAR ADVISORY
GREECE-PREVEZA PADOKRATORAS	38.95N 20.73E 1138Z	03 MAR ADVISORY
GREECE-EVIA KYMI	38.62N 24.13E 1140Z	03 MAR ADVISORY
GREECE-LESBOS SIGRI	39.21N 25.85E 1140Z	03 MAR ADVISORY
GREECE-RAFINA	38.02N 24.01E 1143Z	03 MAR ADVISORY
GREECE-IGOUMENITSA	39.51N 20.22E 1152Z	03 MAR ADVISORY
GREECE-SKIATHOS	39.16N 23.49E 1154Z	03 MAR ADVISORY
GREECE-LEMNOS MYRINA	39.87N 25.05E 1200Z	03 MAR ADVISORY
GREECE-PATRAS	38.25N 21.73E 1200Z	03 MAR ADVISORY
GREECE-LESBOS MYTILENE	39.10N 26.56E 1206Z	03 MAR ADVISORY
GREECE-SAMOTHRAKI KAMARIOTISSA	40.47N 25.47E 1218Z	03 MAR ADVISORY
GREECE-VOLOS	39.35N 22.95E 1228Z	03 MAR ADVISORY
GREECE-KAVALA	40.94N 24.41E 1251Z	03 MAR ADVISORY
GREECE-KATERINI	40.26N 22.60E 1255Z	03 MAR ADVISORY
GREECE-ALEXANDROUPOLI	40.83N 25.90E 1301Z	03 MAR ADVISORY
GREECE-THESSALONIKI	40.63N 22.91E 1359Z	03 MAR ADVISORY
GREECE-EVIA CHALKIDA	38.44N 23.60E 1440Z	03 MAR ADVISORY
ITALY-SIDERNO	38.27N 16.30E 1138Z	03 MAR ADVISORY
ITALY-CATANZARO	38.83N 16.63E 1140Z	03 MAR ADVISORY
ITALY-CROTONE	39.08N 17.13E 1144Z	03 MAR ADVISORY
ITALY-REGGIO CALABRIA	38.12N 15.65E 1144Z	03 MAR ADVISORY
ITALY-CATANIA	37.50N 15.09E 1146Z	03 MAR ADVISORY
ITALY-MESSINA	38.20N 15.56E 1146Z	03 MAR ADVISORY
ITALY-GALLIPOLI	40.05N 17.97E 1151Z	03 MAR ADVISORY
ITALY-SIRACUSA	37.22N 15.23E 1153Z	03 MAR ADVISORY
ITALY-LAGHI DI SIBARI	39.73N 16.52E 1154Z	03 MAR ADVISORY
ITALY-OTRANTO	40.15N 18.50E 1158Z	03 MAR ADVISORY
ITALY-GINOSTRA	38.78N 15.19E 1205Z	03 MAR ADVISORY
ITALY-MILAZZO	38.21N 15.27E 1208Z	03 MAR ADVISORY
ITALY-POLICORO LIDO	40.19N 16.72E 1208Z	03 MAR ADVISORY
ITALY-TARANTO	40.48N 17.22E 1210Z	03 MAR ADVISORY

ITALY-VIBO MARINA	38.72N 16.13E 1217Z 03 MAR ADVISORY
ITALY-BRINDISI	40.66N 18.00E 1219Z 03 MAR ADVISORY
ITALY-CETRARO	39.50N 15.95E 1221Z 03 MAR ADVISORY
ITALY-PALINURO	40.03N 15.28E 1226Z 03 MAR ADVISORY
ITALY-PALERMO	38.12N 13.37E 1233Z 03 MAR ADVISORY
ITALY-BARI	41.14N 16.87E 1238Z 03 MAR ADVISORY
ITALY-PONZA	40.90N 12.97E 1240Z 03 MAR ADVISORY
ITALY-GELA	37.06N 14.23E 1244Z 03 MAR ADVISORY
ITALY-NAPOLI	40.84N 14.27E 1244Z 03 MAR ADVISORY
ITALY-SALERNO	40.68N 14.75E 1246Z 03 MAR ADVISORY
ITALY-LAMPEDUSA	35.50N 12.60E 1250Z 03 MAR ADVISORY
ITALY-PORTO EMPEDOCLE	37.29N 13.53E 1251Z 03 MAR ADVISORY
ITALY-GAETA	41.21N 13.59E 1254Z 03 MAR ADVISORY
ITALY-ANZIO	41.45N 12.63E 1259Z 03 MAR ADVISORY
ITALY-SCIACCA	37.50N 13.08E 1301Z 03 MAR ADVISORY
ITALY-FIUMICINO	41.77N 12.21E 1307Z 03 MAR ADVISORY
ITALY-OROSEI	40.44N 9.78E 1308Z 03 MAR ADVISORY
ITALY-CIVITAVECCHIA	42.09N 11.79E 1308Z 03 MAR ADVISORY
ITALY-VIESTE	41.89N 16.18E 1309Z 03 MAR ADVISORY
ITALY-BARLETTA	41.33N 16.30E 1311Z 03 MAR ADVISORY
ITALY-MAZARA DEL VALLO	37.64N 12.58E 1318Z 03 MAR ADVISORY
ITALY-CAGLIARI	39.21N 9.11E 1327Z 03 MAR ADVISORY
ITALY-MARINA DI CAMPO	42.74N 10.24E 1330Z 03 MAR ADVISORY
ITALY-MARINA DI GROSSETO	42.72N 10.98E 1330Z 03 MAR ADVISORY
ITALY-SANTA TERESA DI GALLURA	41.25N 9.19E 1332Z 03 MAR ADVISORY
ITALY-PIOMBINO	42.92N 10.53E 1340Z 03 MAR ADVISORY
ITALY-CARLOFORTE	39.15N 8.31E 1352Z 03 MAR ADVISORY
ITALY-TERMOLI	42.00N 15.01E 1358Z 03 MAR ADVISORY
ITALY-ALGHERO	40.54N 8.32E 1359Z 03 MAR ADVISORY
ITALY-ORISTANO	39.86N 8.44E 1400Z 03 MAR ADVISORY
ITALY-IMPERIA	43.88N 8.02E 1405Z 03 MAR ADVISORY
ITALY-GENOVA	44.41N 8.93E 1407Z 03 MAR ADVISORY
ITALY-LIVORNO	43.55N 10.30E 1407Z 03 MAR ADVISORY
ITALY-ORTONA	42.36N 14.41E 1416Z 03 MAR ADVISORY
ITALY-PORTO TORRES	40.84N 8.40E 1422Z 03 MAR ADVISORY
ITALY-LA SPEZIA	44.10N 9.86E 1436Z 03 MAR ADVISORY
ITALY-SAN BENEDETTO DEL TRONTO	42.96N 13.89E 1444Z 03 MAR ADVISORY
ITALY-ANCONA	43.62N 13.51E 1516Z 03 MAR ADVISORY
ITALY-CESENATICO	44.18N 12.42E 1648Z 03 MAR ADVISORY
ITALY-RAVENNA	44.49N 12.28E 1700Z 03 MAR ADVISORY
ITALY-CHIOGGIA	45.21N 12.30E 1732Z 03 MAR ADVISORY
ITALY-VENEZIA	45.42N 12.43E 1749Z 03 MAR ADVISORY
ITALY-TRIESTE	45.65N 13.76E 1750Z 03 MAR ADVISORY
MONACO-MONTE-CARLO	43.73N 7.43E 1408Z 03 MAR ADVISORY
SPAIN-MAHÓN	39.89N 4.27E 1403Z 03 MAR ADVISORY
SPAIN-BARCELONA	41.39N 2.18E 1426Z 03 MAR ADVISORY
SPAIN-IBIZA	38.91N 1.44E 1432Z 03 MAR ADVISORY
SPAIN-TARRAGONA	41.12N 1.26E 1435Z 03 MAR ADVISORY
SPAIN-CARTAGENA	37.61N 0.98W 1440Z 03 MAR ADVISORY
SPAIN-PALMA DE MALLORCA	39.57N 2.65E 1443Z 03 MAR ADVISORY
SPAIN-ALICANTE	38.35N 0.48W 1457Z 03 MAR ADVISORY
SPAIN-ALMERÍA	36.84N 2.47W 1502Z 03 MAR ADVISORY
SPAIN-VALENCIA	39.48N 0.38W 1504Z 03 MAR ADVISORY
SPAIN-MELILLA	35.30N 2.94W 1521Z 03 MAR ADVISORY
SPAIN-MÁLAGA	36.72N 4.42W 1531Z 03 MAR ADVISORY
SPAIN-ALGECIRAS	36.13N 5.45W 1535Z 03 MAR ADVISORY
SPAIN-CASTELLON DE LA PLANA	39.99N 0.04W 1543Z 03 MAR ADVISORY
SPAIN-CEUTA	35.89N 5.32W 1553Z 03 MAR ADVISORY
TURKIYE-MUGLA DALAMAN	36.69N 28.78E 0950Z 03 MAR ADVISORY
TURKIYE-MUGLA AKSAZ (M)	36.84N 28.40E 1017Z 03 MAR ADVISORY
TURKIYE-MUGLA BODRUM (M)	37.03N 27.42E 1031Z 03 MAR ADVISORY
TURKIYE-AYDIN DIDIM	37.35N 27.28E 1100Z 03 MAR ADVISORY
TURKIYE-IZMIR ALACATI	38.25N 26.39E 1106Z 03 MAR ADVISORY

TURKIYE-AYDIN KUSADASI 37.87N 27.26E 1115Z 03 MAR ADVISORY  
TURKIYE-IZMIR ALIAGA 38.83N 26.94E 1203Z 03 MAR ADVISORY  
TURKIYE-CANAKKALE GOKCEADA (M) 40.23N 25.89E 1222Z 03 MAR ADVISORY  
TURKIYE-CANAKKALE BOZCAADA 39.84N 26.08E 1226Z 03 MAR ADVISORY  
TURKIYE-IZMIR MENTES (M) 38.43N 26.72E 1231Z 03 MAR ADVISORY  
TURKIYE-EDIRNE ENEZ 40.71N 26.05E 1247Z 03 MAR ADVISORY  
TURKIYE-BALIKESIR AYVALIK 39.31N 26.69E 1301Z 03 MAR ADVISORY  
TURKIYE-IZMIR ALSANCAK 38.44N 27.14E 1330Z 03 MAR ADVISORY  
UNITED KINGDOM-GIBRALTAR 36.13N 5.37W 1531Z 03 MAR ADVISORY

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY

COUNTRY GAUGE LOCATION LAT LON TIME AMPL PER

COUNTRY	GAUGE LOCATION	LAT	LO	TIME	AMPL	PER
CYPRUS	PAPHOS	34.76	32.41	09:06	0.84	8.0
CYPRUS	LIMASSOL	34.67	33.04	09:08	0.89	28.0
CYPRUS	POMOS	35.18	32.56	09:19	0.37	22.0
CYPRUS	LARNAKA	34.93	33.65	09:24	0.62	24.0
CYPRUS	PARALIMNI	35.04	34.04	09:29	0.31	21.0
TURKIYE	BOZYAZI	36.10	32.94	09:33	0.24	22.0
LEBANON	BATROUN (IDSL-21)	34.26	35.66	09:34	0.41	10.0
TURKIYE	ANTALYA	36.84	30.61	09:41	0.47	20.0
TURKIYE	ERDEMLI	36.56	34.26	10:14	0.15	28.0
GREECE	IERAPETRA	35.00	25.74	10:15	0.34	20.0
TURKIYE	MARMARIS	36.84	28.38	10:15	0.45	30.0
TURKIYE	TASUCU	36.28	33.54	10:19	0.05	44.0
TURKIYE	ARSUZ	36.42	35.89	10:24	0.14	15.0
EGYPT	MARINA EL ALAMEIN	30.84	28.98	10:23	0.10	34.0
EGYPT	ALEXANDRIA	31.21	29.89	10:25	0.35	23.0
EGYPT	MARSA MATRUH	31.37	27.20	10:26	0.29	25.0
GREECE	KASOS	35.42	26.92	10:29	0.15	13.0
GREECE	PALEOCHORA	35.22	23.68	10:36	0.15	26.0

LAT - LATITUDE (N-NORTH, S-SOUTH)

LON - LONGITUDE (E-EAST, W-WEST)

TIME - TIME OF THE MEASUREMENT (Z IS UTC TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL.

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN METERS (M).

PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS.

THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

**T(n6): 12:00 UTC - NOA MESSAGE #005**

TSUNAMI MESSAGE NUMBER 005

NEAM NOA HL-NTWC TSUNAMI SERVICE PROVIDER

ISSUED AT 1200Z 03 MAR 2026

... END OF TSUNAMI WATCH ...

THIS ALERT APPLIES TO CYPRUS...GREECE...ISRAEL...LEBANON...SYRIA...TURKIYE

... END OF TSUNAMI ADVISORY ...

THIS ALERT APPLIES TO CROATIA...FRANCE...ITALY...MONACO...SPAIN...UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0900 UTC TUE MAR 3 2026

COORDINATES - 34.63 NORTH 32.68 EAST

DEPTH - 8.5 KM

LOCATION - SW COAST OF CYPRUS

MAGNITUDE - 7.5 M

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

OBSERVATIONS AND MODELS INDICATE THAT NO MORE TSUNAMI WAVES ARE EXPECTED.

EVALUATION OF TSUNAMI ADVISORY

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

OBSERVATIONS AND MODELS INDICATE THAT NO MORE TSUNAMI WAVES ARE EXPECTED.

WHEN NO MAJOR WAVES ARE OBSERVED FOR TWO HOURS AFTER THE ESTIMATED TIME OF ARRIVAL OR DAMAGING WAVES HAVE NOT OCCURRED FOR AT LEAST TWO HOURS THEN LOCAL AUTHORITIES CAN ASSUME THE THREAT IS PASSED. DANGER TO BOATS AND COASTAL STRUCTURES CAN CONTINUE FOR SEVERAL HOURS DUE TO THE CONTINUING SEA LEVEL CHANGES AND RAPID CURRENTS. AS LOCAL CONDITIONS CAN CAUSE A WIDE VARIATION IN TSUNAMI WAVE ACTION THE ALL CLEAR DETERMINATION MUST BE MADE BY LOCAL AUTHORITIES.

THIS WILL BE THE FINAL MESSAGE ISSUED FOR THIS EVENT UNLESS ADDITIONAL INFORMATION BECOMES AVAILABLE.

**NOA SMS #001**

\*TEST\*TSUNAMI EXERCISE MSG;NEAMTWS-NOA;WATCH: CY GR IL LB SY TR; 0900Z 3MAR2026;EQ Mw7.5;SW CYPRUS;34.63N;32.68E;8.5KM\*TEST\*

**References**

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## 7.2 EASTERN MEDITERRANEAN (EM) TSUNAMI SCENARIO: HELLENIC ARC<sup>2</sup>

### **CAT- INGV (NEAMTWS/TSP Italy) HLNTWC - NOA (NEAMTWS/TSP Greece)**

*Prepared by*

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M. Charalampakis<sup>2</sup> and N. Kalligeris<sup>2</sup>*

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*<sup>2</sup> National Observatory of Athens, Athens-Greece*

**1. Introduction** –*Message Provider involved briefly describes the scenario proposed (e.g., if based on an historical, recent or hypothetical event; the tectonic framework of the epicentral area; the reference competence area; historical tsunami events)*

This scenario was prepared jointly under the collaboration of CAT-INGV and HLNTWC-NOA, which act as two of the Tsunami Message Providers of NEAMWave26. It refers to the earthquake of 20 September 1867, which struck south of the Peloponnese, in the broader Hellenic Arc region. It was a very strong event, estimated at around Mw 7.1, and was widely felt across southern Greece. Several coastal towns in Mani, Messinia, and Laconia reported significant damage to buildings, along with landslides and ground cracking. The earthquake also generated a small local tsunami, observed at nearby shores. This earthquake remains one of the major historical seismic events affecting southern Greece in the 19th century.

For the joint scenario, we are considering an hypothetical large tsunami event affecting mainly the central Mediterranean Sea, which is based on an earthquake of magnitude  $M_w$  7.9 occurring at the same location as the 1867 event, along the coast of south Peloponnesus. The rupture area of the scenario covers a region of about 6000 km<sup>2</sup>.

As illustrated later on, an earthquake like this would trigger based on the decision matrix currently in use at CAT-INGV and HLNTWC-NOA a Tsunami Watch for the entire Mediterranean, which is the source competence area for this NEAMTWS Tsunami Service Providers.

Historically, several tsunamigenic earthquakes have been reported to affect the area in the past. Well-known are the 1303 M8 and 1494 M7.5 earthquakes occurred South of Crete (e.g., Papazachos, 1996; Yolsal-Çevikbilen and Taymaz, 2012), the 1481 and 1741 M7.5 earthquakes occurred at the easternmost portion of the Hellenic Arc (Papazachos, 1996; Scala et al., 2007; Yolsal-Çevikbilen and Taymaz, 2012), and recently the 1948 M7.5, 2009 M6.5 and 2020 M6.6 events (e.g., Baglione et al., 2021 and Kalligeris et al. 2022). The tectonic framework resembles in terms of earthquake magnitude the very large event of 21 July 365 AD, but the location of the earthquake is shifted north-westward along the Hellenic Arc. Earthquakes of the size of this scenario (but also larger) are included in the seismic model on which the NEAMTHM18 S-PTHA model is based (Basili et al. 2018, 2019).

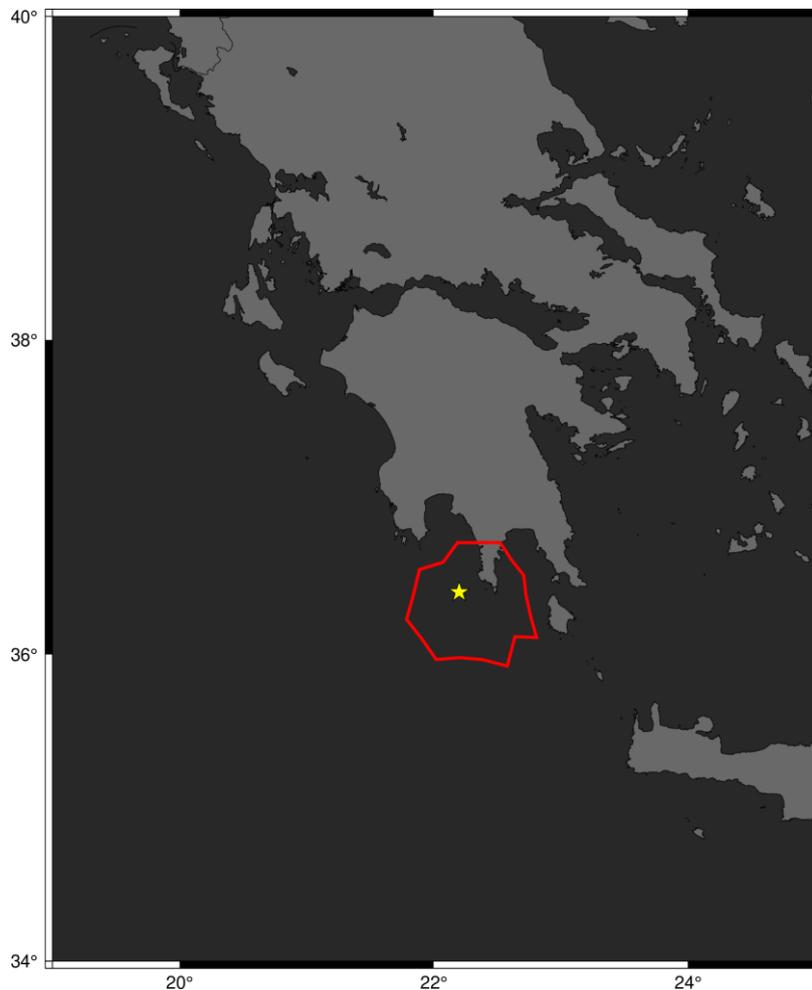
**2. Event Information** - *Message Provider involved briefly supplies the earthquake parameters (lon, lat, depth, magnitude, strike, dip, rake, slip, fault's size, scaling laws, etc.)*

<sup>2</sup> The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariats of UNESCO and IOC concerning the legal status of any country or territory, or its authorities, or concerning the delimitation of the frontiers of any country or territory. The information and maps presented here do not necessarily reflect the views and position of the United Nations, UNESCO, IOC or any affiliated Member State.

**Table 1 – Earthquake parameters**

Earthquake parameters	
<b>M<sub>w</sub></b>	7.9
<b>Longitude</b>	22.20 °E
<b>Latitude</b>	36.40 °N
<b>Depth (km)</b>	20
<b>Rupture Area (km<sup>2</sup>)</b>	~6000
<b>Slip (m)</b>	5.4
<b>Rigidity (GPa)</b>	30
<b>Rake</b>	90

Earthquake rupture area (Figure 1) is defined along the southern coast of Peloponnesus, modelled by a mesh of triangular elements around the epicentre (with variable strike and dip following a 3D model of the subduction zone; see also Scala et al., 2019). The rupture area is as much as possible equal to the area arising from earthquake scaling law for a rectangular fault (Strasser et al., 2010). The earthquake is represented by a heterogenous slip distribution whose average slip value is equal to 5.4 meter (considering a rigidity value of ~30 GPa). We adopt a purely thrust mechanism (rake=90°). The rupture scenario involves co-seismic slip propagation beneath the accretionary wedge



**Figure 1 – Sketch of the scenario earthquake rupture area (solid red line); yellow star represents the epicenter.**

**3. Numerical modelling** - Message Provider involved briefly specifies the tsunami propagation modelling adopted (e.g., initial condition, propagation code, etc.); tsunami simulation output provided (e.g., some selected tsunami waveforms, maximum wave height offshore or close to the coast, travel times, etc.).

Please provide figures for a) Tsunami initial condition, b) distribution of maximum wave height, c) distribution of wave travel times, d) selected tsunami waveforms, and e) map showing the alert level at forecast points

Tsunami initial condition: analytically computed in a homogeneous half-space (Figure 2, Nikkhoo & Walter; 2015).

Tsunami propagation: performed by means of the nonlinear shallow water Tsunami-HySEA (de la Asunción et al., 2013) multi-GPU code. Tsunami-HySEA is a benchmarked simulation code (Macías et al., 2017). Modelled propagation time is 8 hours on a 30 arcsec regular bathymetric grid derived from SRTM30+ ([http://topex.ucsd.edu/WWW\\_html/srtm30\\_plus.html](http://topex.ucsd.edu/WWW_html/srtm30_plus.html)).

In the following figures some outputs are shown:

- 1) Tsunami initial condition (Figure 2a)
- 2) Scenario tsunami maximum offshore wave amplitude distribution (Figure 2b);
- 3) Tsunami waveforms (examples, Figure 3);
- 4) Tsunami travel times (Figure 4, next section);

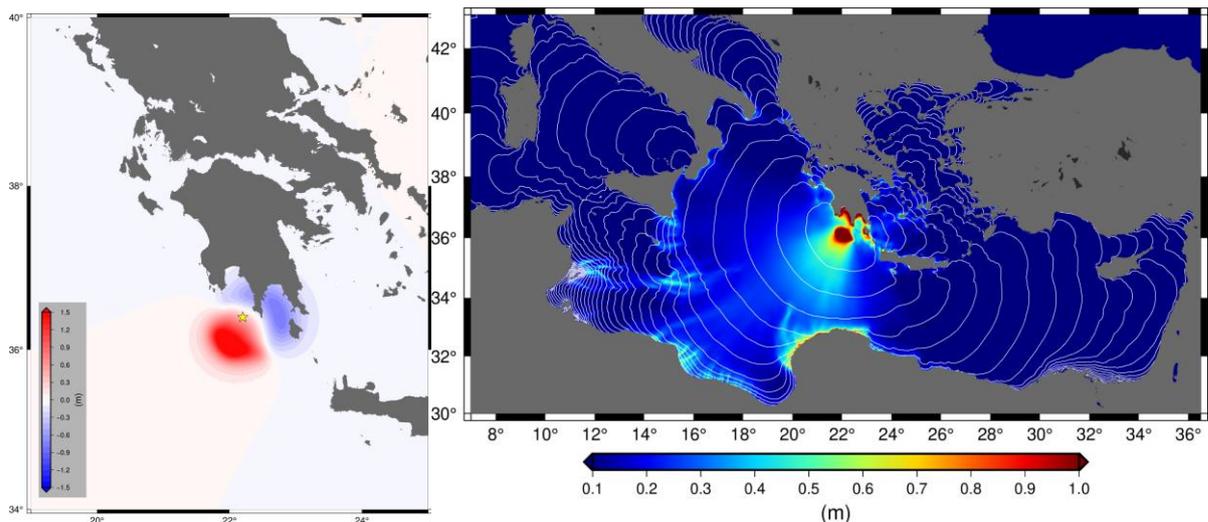
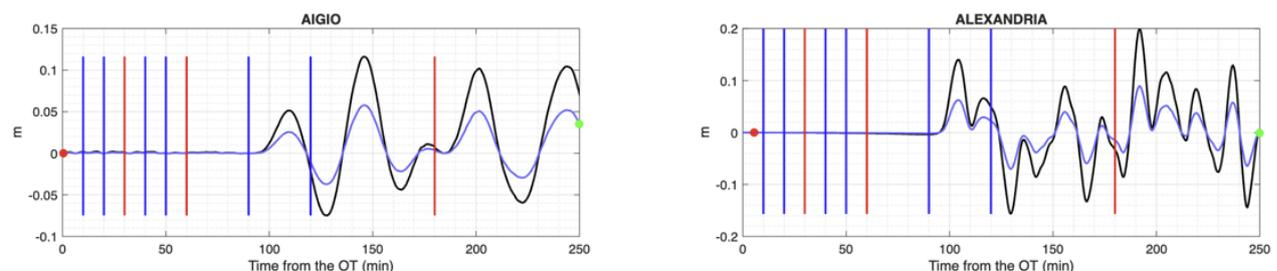
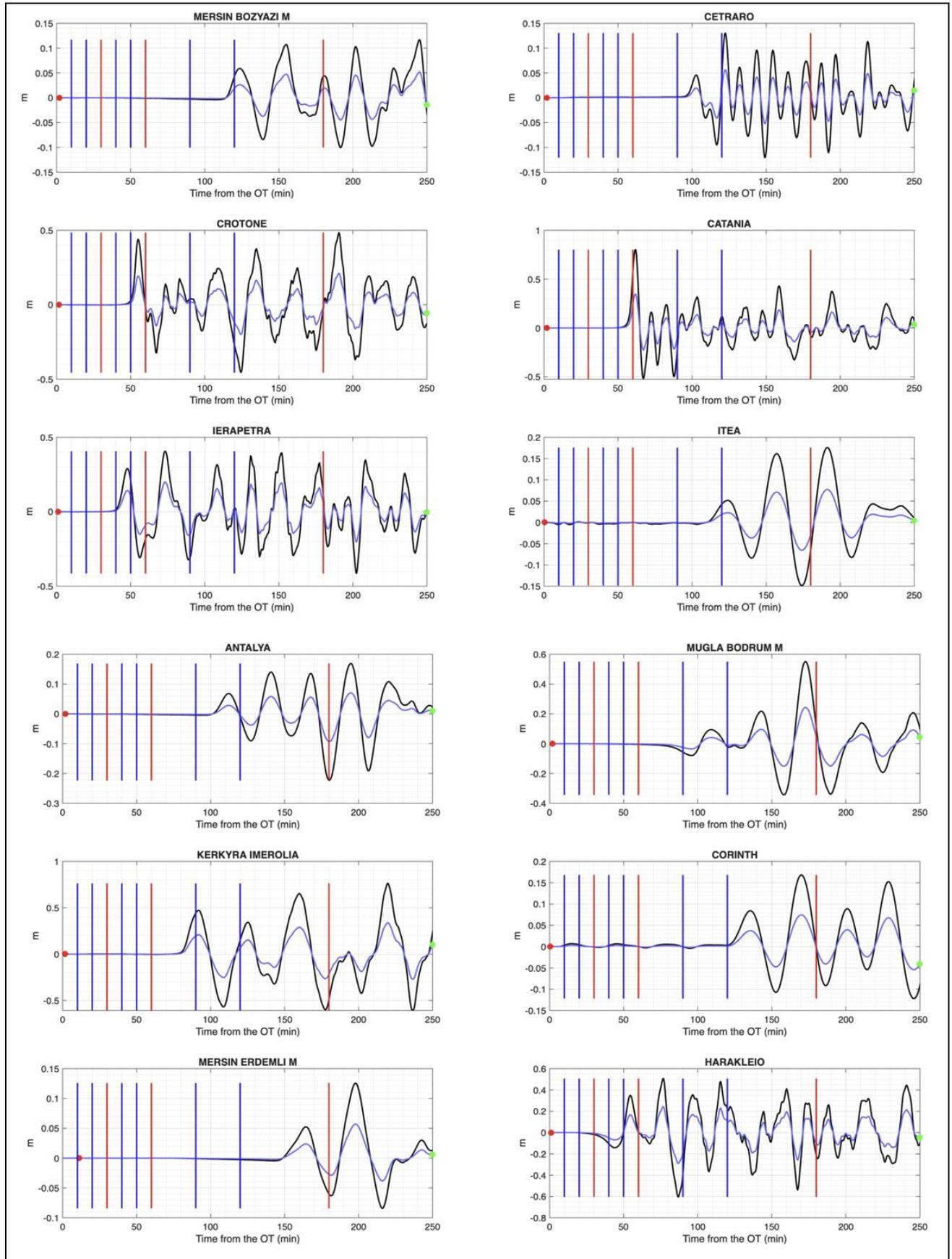
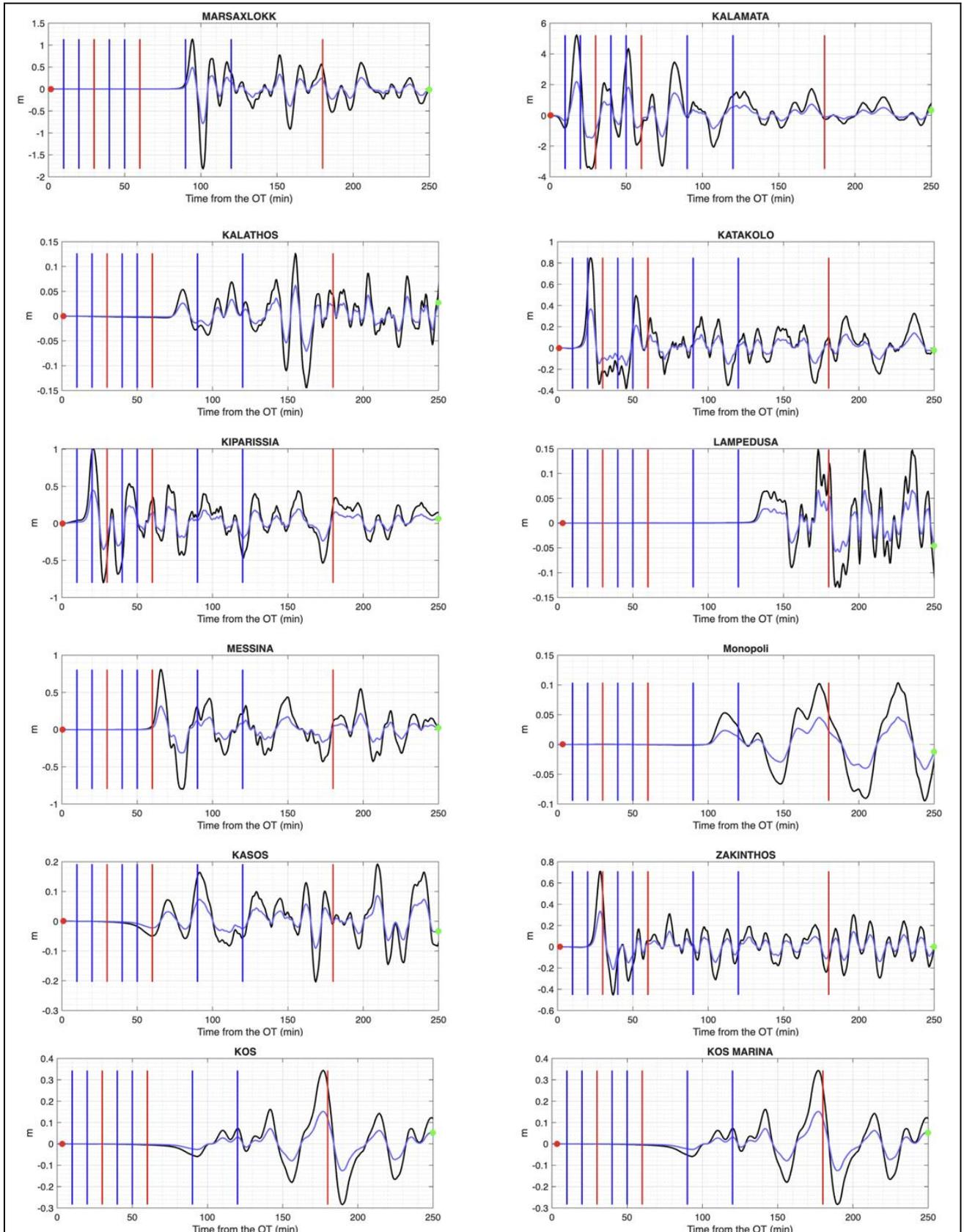
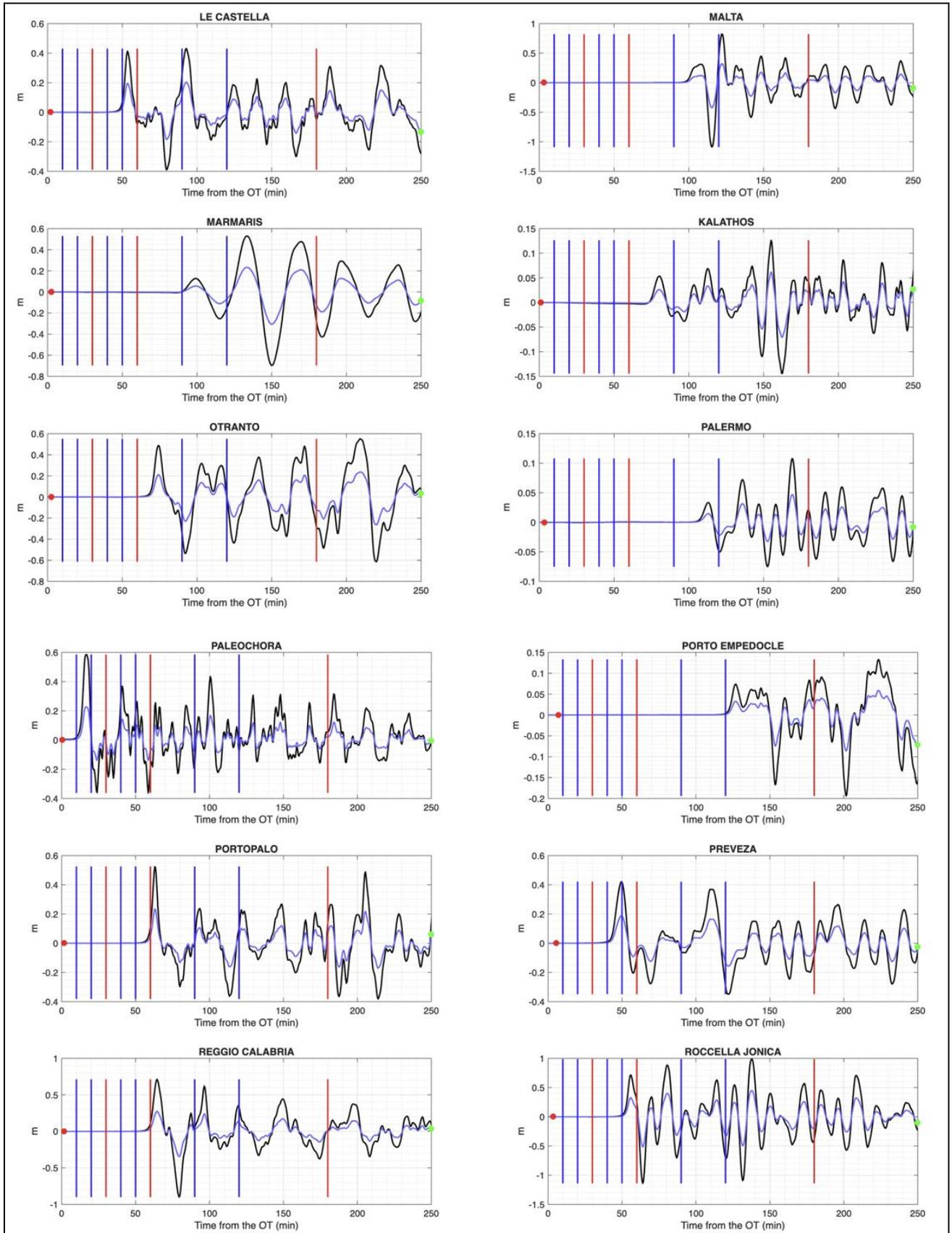


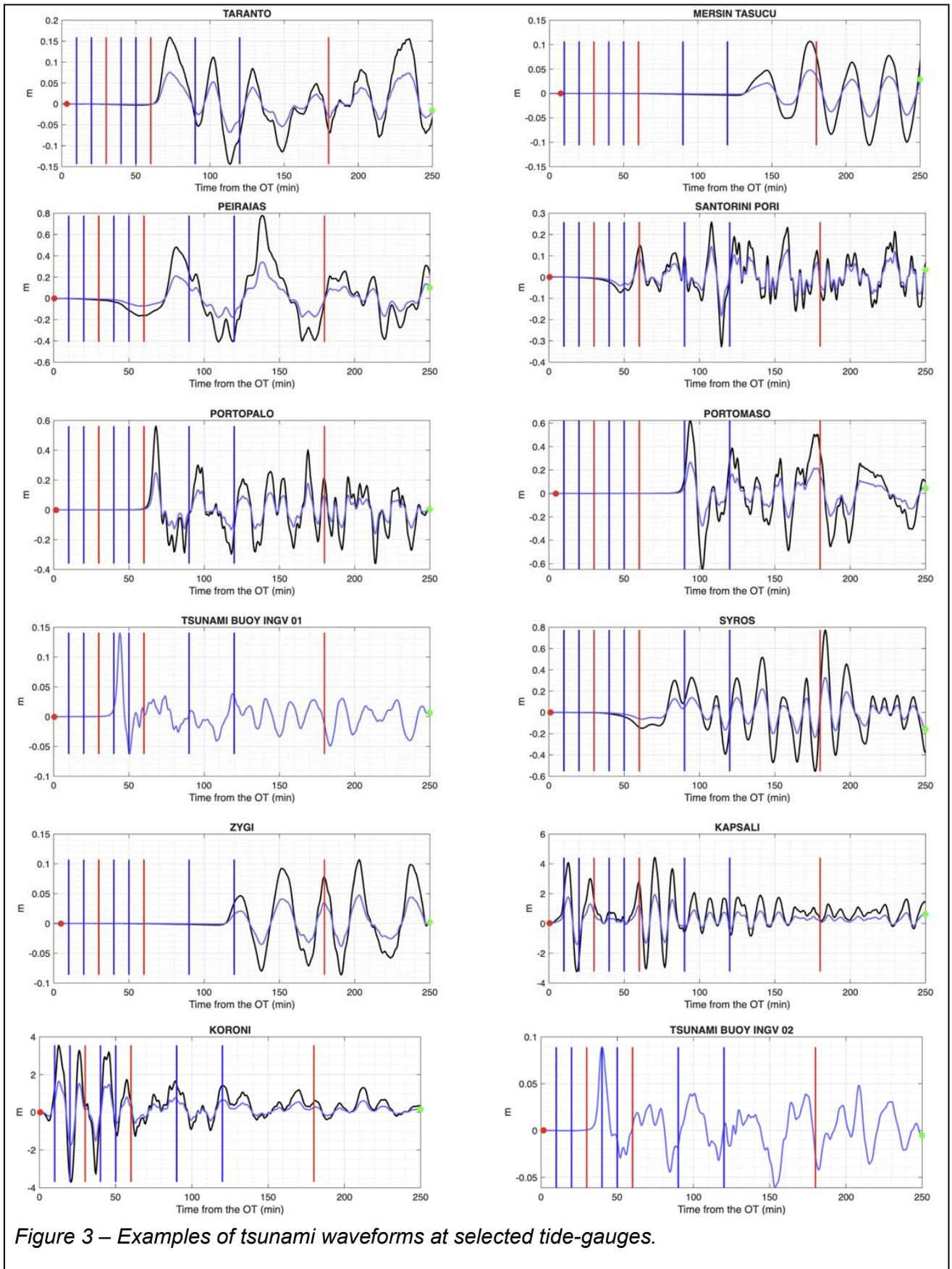
Figure 2 – a) Tsunami initial condition; b) Tsunami maximum wave amplitude (white lines represent the tsunami travel times at 10 minutes interval)











**4. Alert Messages - Message Provider involved briefly specifies the method adopted to assess the alert level, preferably based on common/daily practice (e.g., decision matrix, scenario**

*based, etc.); how many alert messages will be issued and the related timetable (MSEL) specifying also the tsunami evolution (e.g., sea level readings, eyewitness observations, etc.);*

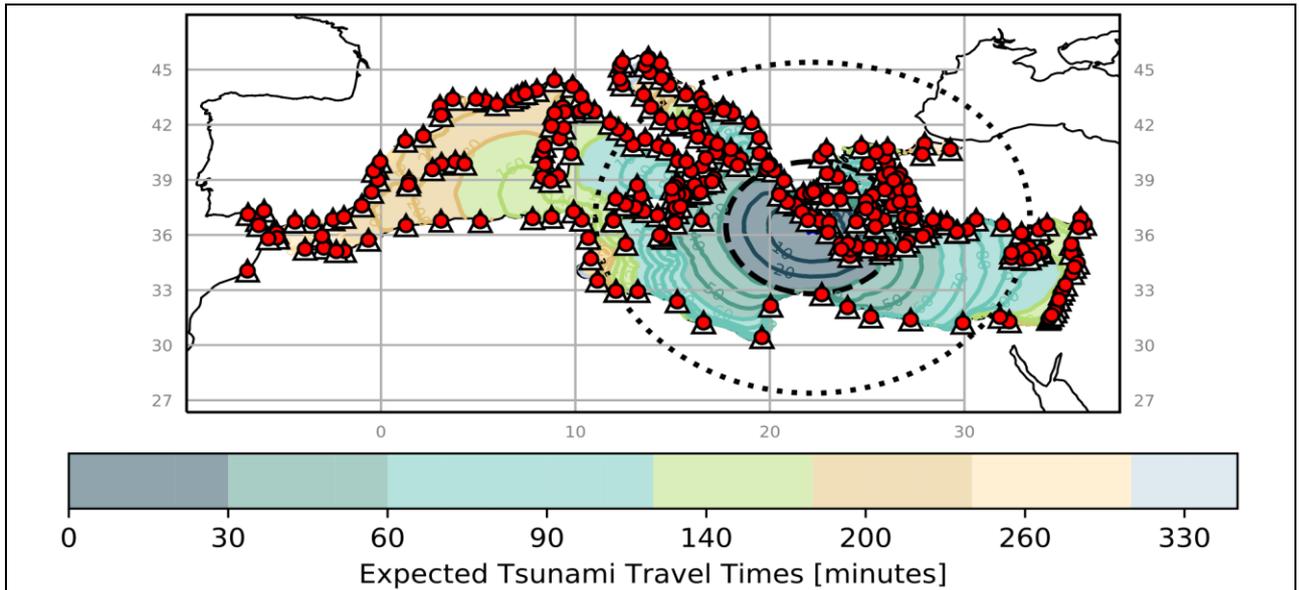
**Master Schedule of Events List:**

- T0: 09:10 UTC (EQ Origin Time)
- T(n1): 09:13 UTC (Initial EQ Parameters)
- T(n2): 09:15 UTC (Dissemination of the 1st message by INGV)
- T(n3): 09:18 UTC (Dissemination of the 1st message by NOA)
- T(n4): 09:22 UTC (Dissemination of the 2nd message by NOA)
- T(n5): 09:23 UTC (Dissemination of the 2nd message by INGV)
- T(n6): 09:35 UTC (Dissemination of the 3rd message by INGV)
- T(n7): 09:40 UTC (Dissemination of the 3rd message by NOA)
- T(n8): 10:00 UTC (Dissemination of the 4th message by INGV)
- T(n9): 10:20 UTC (Dissemination of the 4th message by NOA)
- T(n10): 11:05 UTC (Dissemination of the 5th message by INGV)
- T(n11): 11:40 UTC (Dissemination of the 5th message by NOA)
- T(n12): 12:30 UTC (Dissemination of the final message by INGV)
- T(n13): 12:40 UTC (Dissemination of the final message by NOA)

*Flow chart of message dissemination*

<i>Message Number</i>	<i>Alert level</i>	<i>Minutes after the origin time</i>
INGV - 001	<i>initial WATCH</i>	5
NOA - 001	initial WATCH	8
NOA - 002	Ongoing #1	12
INGV - 002	Ongoing #1	13
INGV - 003	Ongoing #2	25
NOA - 003	Ongoing #2	30
INGV - 004	Ongoing #3	50
NOA - 004	Ongoing #3	70
INGV - 005	Ongoing #4	115
NOA - 005	Ongoing #4	150
INGV - 006	END	200
NOA - 006	END	210

The alert level (Figure 4) at each forecast point is estimated based on the earthquake scenario parameters (Table 1) and the Decision Matrix (Figure 5).



**Figure 4 – Alert level map. Triangles represent the forecast points (officially provided by IOC, plus INGV’s unofficial); contour lines indicate the tsunami travel times, every 10 minutes.**

Depth	Epicenter Location	M	Tsunami Potential	Type of Bulletin		
<100 km	Offshore or close the coast (≤ 40 km inland)	5.5 ≤ M ≤ 6.0	Nil	Information Bulletin	Information Bulletin	Information Bulletin
		6.0 < M ≤ 6.5	Weak potential of local tsunami	Local Tsunami Advisory	Information Bulletin	Information Bulletin
	Inland (> 40 km and ≤ 100 km)	5.5 ≤ M ≤ 6.5	Nil	Information Bulletin	Information Bulletin	Information Bulletin
	Offshore or close the coast (≤ 100 km inland)	6.5 < M ≤ 7.0	Potential of destructive local tsunami < 100 km	Local Tsunami Watch	Regional Tsunami Advisory	Information Bulletin
		7.0 < M ≤ 7.5	Potential of destructive regional tsunami < 400 km	Local Tsunami Watch	Regional Tsunami Watch	Basin-wide Tsunami Advisory
	M > 7.5	Potential of destructive tsunami in the whole basin > 400 km	Local Tsunami Watch	Regional Tsunami Watch	Basin-wide Tsunami Watch	
≥ 100 km	Offshore or inland (≤ 100 km)	M ≥ 5.5	Nil	Information Bulletin	Information Bulletin	Information Bulletin

**a)**

Depth	Epicenter Location	M	Tsunami Potential	Type of Bulletin		
< 100 km	Offshore or close the coast (≤ 40 km inland)	5.5 ≤ M ≤ 6.0	Nil	Information Bulletin	Information Bulletin	Information Bulletin
		6.0 < M ≤ 6.5	Weak potential of local tsunami	Local Tsunami Advisory	Information Bulletin	Information Bulletin
	Inland (> 40 km and ≤ 100 km)	5.5 ≤ M ≤ 6.5	Nil	Information Bulletin	Information Bulletin	Information Bulletin
	Offshore or close the coast (≤ 100 km inland)	6.5 < M ≤ 7.0	Potential of destructive local tsunami (≤ 100 km)	Local Tsunami Watch	Regional Tsunami Advisory	Information Bulletin
		7.0 < M ≤ 7.5	Potential of destructive regional tsunami (≤ 400 km)	Local Tsunami Watch	Regional Tsunami Watch	Basin-wide Tsunami Advisory
	M > 7.5	Potential of destructive tsunami in the whole basin (> 400 km)	Local Tsunami Watch	Regional Tsunami Watch	Basin-wide Tsunami Watch	
≥ 100 km	Offshore or inland (≤ 100 km)	M ≥ 5.5	Nil	Information Bulletin	Information Bulletin	Information Bulletin

**b)**

**Figure 5 – Decision Matrix adopted by a) INGV and b) NOA.**

During the exercise, 12 (6 INGV, 6 NOA) alert messages will be issued (2 Initial, 8 Ongoing, 2 End).

Below we report the associate timetable (Table 2)

**Table 2** – Timetable with the messages issued by CAT-INGV and NOA  
(*T<sub>0</sub>* indicates the origin time of the earthquake)

<b>TITLE</b>	<b>CONTENT</b>	<b>TIME</b>
<b>INGV</b> TSUNAMI EXERCISE MESSAGE NUMBER 001	1. Earthquake Parameters 2. Wave Arrival Times 3. Level of Alert	T <sub>0</sub> + 05'
<b>NOA</b> TSUNAMI EXERCISE MESSAGE NUMBER 001	1. Earthquake Parameters 2. Wave Arrival Times 3. Level of Alert	T <sub>0</sub> + 08'
<b>NOA</b> TSUNAMI EXERCISE MESSAGE NUMBER 002	1. Earthquake Parameters 2. First validated Wave Arrival (TG verification at KAPSALI-GR and KORONI-GR) 3. Level of Alert	T <sub>0</sub> + 12'
<b>INGV</b> TSUNAMI EXERCISE MESSAGE NUMBER 002	1. Earthquake Parameters 2. First validated Wave Arrival (TG verification at KAPSALI-GR, KORONI-GR) 3. Level of Alert	T <sub>0</sub> + 13'
<b>INGV</b> TSUNAMI EXERCISE MESSAGE NUMBER 003	1. Earthquake Parameters 2. Second validated Wave Arrival (TG verification at KAPSALI-GR, KORONI-GR, PALEOCHORA- GR, KATAKOLO-GR, KALAMATA-GR) 3. Level of Alert	T <sub>0</sub> + 25'
<b>NOA</b> TSUNAMI EXERCISE MESSAGE NUMBER 003	1. Earthquake Parameters 2. Second validated Wave Arrival (TG verification at KAPSALI-GR, KORONI-GR, PALEOCHORA- GR, KATAKOLO-GR, KALAMATA-GR, ZAKYNTHOS- GR) 3. Level of Alert	T <sub>0</sub> + 30'
<b>INGV</b> TSUNAMI EXERCISE MESSAGE NUMBER 004	1. Earthquake Parameters 2. Third validated Wave Arrival (TG verification at KAPSALI-GR, KORONI-GR, PALEOCHORA- GR, KATAKOLO-GR, KALAMATA-GR, ZAKINTHOS- GR, PREVEZA-GR, SANTORINI_PORI-GR, IERAPETRA-GR, HARAKLEIO- GR, CROTONE-IT, LE_CASTELLA-IT, ROCCELLA_JONICA-IT, CATANIA-IT, REGGIO_CALABRIA-IT, PORTOPALO-IT, TSUNAMI_BUOY_INGV_01, TSUNAMI_BUOY_INGV_02 3. Level of Alert	T <sub>0</sub> + 50'
<b>NOA</b> TSUNAMI EXERCISE MESSAGE NUMBER 004	1. Earthquake Parameters 2. Third validated Wave Arrival (TG verification at TG verification at KAPSALI-GR, KORONI-GR,	T <sub>0</sub> + 70'

	<p>PALEOCHORA-GR, KATAKOLO-GR, KALAMATA-GR, ZAKYNTHOS-GR, PREVEZA-GR, SANTORINI_PORI-GR, IERAPETRA-GR, HARAKLEIO-GR, CROTONE-IT, LE_CASTELLA-IT, ROCCELLA_JONICA-IT, CATANIA-IT, REGGIO_CALABRIA-IT, PORTOPALO-IT, MESSINA-IT, TSUNAMI_BUOY_INGV_01, TSUNAMI_BUOY_INGV_02 3. Level of Alert</p>	
<p><b>INGV</b> TSUNAMI EXERCISE MESSAGE NUMBER 005</p>	<p>1. Earthquake Parameters 2. Third validated Wave Arrival (TG verification at KAPSALI-GR, KORONI-GR, PALEOCHORA-GR, KATAKOLO-GR, KALAMATA-GR, ZAKINTHOS-GR, PREVEZA-GR, SANTORINI_PORI-GR, IERAPETRA-GR, HARAKLEIO-GR, PEIRAIAS-GR, KASOS-GR, SYROS-GR, KERKYRA_ IMEROLIA-GR, GAVDOS_KARAVE-GR, CROTONE-IT, LE_CASTELLA-IT, ROCCELLA_JONICA-IT, CATANIA-IT, REGGIO_CALABRIA-IT, PORTOPALO-IT, MESSINA-IT, OTRANTO-IT, TARANTO-IT, MARSAXLOKK-MALTA, PORTOMASO-MALTA, TSUNAMI_BUOY_INGV_01, TSUNAMI_BUOY_INGV_02 3. Level of Alert</p>	<p>T0 + 115'</p>
<p><b>NOA</b> TSUNAMI EXERCISE MESSAGE NUMBER 005</p>	<p>1. Earthquake Parameters 2. Third validated Wave Arrival (TG verification at KAPSALI-GR, KORONI-GR, PALEOCHORA-GR, KATAKOLO-GR, KALAMATA-GR, ZAKINTHOS-GR, PREVEZA-GR, SANTORINI_PORI-GR, IERAPETRA-GR, HARAKLEIO-GR, PEIRAIAS-GR, KASOS-GR, SYROS-GR, KERKYRA_ IMEROLIA-GR, GAVDOS-GTCROTONE-IT, LE_CASTELLA-IT, ROCCELLA_JONICA-IT, CATANIA-IT, REGGIO_CALABRIA-IT, PORTOPALO-IT, MESSINA-IT, OTRANTO-IT, TARANTO-IT, MARSAXLOKK-MALTA, PORTOMASO-MALTA, TSUNAMI_BUOY_INGV_01, TSUNAMI_BUOY_INGV_02 3. Level of Alert</p>	<p>T0 + 150'</p>

<b>INGV</b> TSUNAMI EXERCISE MESSAGE NUMBER 006	1. Earthquake Parameters 2. End of Tsunami Alert Message	T0 + 200'
<b>NOA</b> TSUNAMI EXERCISE MESSAGE NUMBER 006	1. Earthquake Parameters 2. End of Tsunami Alert Message	T0 + 210'

It should be pointed out that this exercise mimics the operational procedures which would be adopted in the event of real earthquake and tsunami. However, there are some limitations mainly due to organizational purposes forcing to limit the number of scheduled ongoing messages to be fewer than they would be following such an event. Also, the ending of the tsunami alert has been anticipated. Actually, for a real ~M8 earthquake the alert would last for many more hours; the number of ongoing messages reporting the tsunami amplitude readings would be definitely greater; the tsunami wave amplitudes eventually measured at the farthest tide-gauges would be also reported, where the tsunami would arrive later than the end of the exercise; the end of the alert would be issued only when the sea level readings indicate a significant decay of the sea level anomaly towards the pre-event level, despite significant current might still be ongoing.

### NEAMWave26 – TSP CAT-INGV Exercise messages

Below are reported the alert messages to be issued by INGV during the exercise; while the text of these messages is the same when transmitted by email, an additional line at the beginning of the message is inserted for the GTS transmission. This line is **WEMM40 LIIB ddHHmm**, where **dd**, **HH**, and **mm** indicate day, hour, and minutes respectively, associate to message's issue time.

**T(n2): 09:15 UTC (Dissemination of the 1st message)**

TSUNAMI MESSAGE NUMBER 001  
 NEAM INGV IT-NTWC TSUNAMI SERVICE PROVIDER  
 ISSUED AT 0915Z 11 MAR 2026

... TSUNAMI WATCH ...  
 THIS ALERT APPLIES TO ALBANIA ... ALGERIA ... BOSNIA\_HERZEGOVINA ...  
 CROATIA ... CYPRUS ... EGYPT ... FRANCE ... GREECE ... ISRAEL ...  
 ITALY ... LEBANON ... LIBYA ... MALTA ... MONACO ... MONTENEGRO ...  
 MOROCCO ... SLOVENIA ... SPAIN ... SYRIA ... TUNISIA ... TURKIYE ...  
 UK

THIS ALERT IS ADDRESSED TO ALL COUNTRIES AND INSTITUTIONS SUBSCRIBED  
 TO THE SERVICES OF INGV IT-NTWC TSUNAMI SERVICE PROVIDER IN ITS MONITORING AREA

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY  
 NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE  
 DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY  
 ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
 ORIGIN TIME - 0910Z 11 MAR 2026  
 COORDINATES - 36.40 NORTH 22.20 EAST  
 DEPTH - 20 KM  
 LOCATION - TEST  
 MAGNITUDE - 7.9

ALERT LEVEL IS ASSIGNED ACCORDING TO THE ABOVE ESTIMATIONS OF  
 EARTHQUAKE PARAMETERS AND BASED ON THE MODIFIED ICG/NEAMTWS DECISION MATRIX

EVALUATION OF TSUNAMI WATCH  
 IT IS NOT KNOWN THAT A TSUNAMI WAS GENERATED. THIS WATCH IS  
 BASED ONLY ON THE EARTHQUAKE EVALUATION.  
 AN EARTHQUAKE OF THIS SIZE HAS THE POTENTIAL TO GENERATE A TSUNAMI

THAT CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. THIS CENTER WILL MONITOR SEA LEVEL DATA FROM GAUGES NEAR THE EARTHQUAKE TO DETERMINE IF A TSUNAMI WAS GENERATED AND ESTIMATE THE SEVERITY OF THE THREAT.

A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR. LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL (ADIVOSRY, WATCH)

-----

GREECE - KIPARISSIA 37.26N 21.66E 0916Z 11 MAR WATCH  
 GREECE - KITHERA\_KAPSALI 36.14N 23.00E 0916Z 11 MAR WATCH  
 GREECE - MONEMVASIA 36.68N 23.04E 0917Z 11 MAR WATCH  
 GREECE - KAPSALI 36.14N 23.00E 0917Z 11 MAR WATCH  
 GREECE - PALEOCHORA 35.22N 23.68E 0922Z 11 MAR WATCH  
 GREECE - KORONI 36.80N 21.96E 0925Z 11 MAR WATCH  
 GREECE - KATAKOLO 37.64N 21.32E 0925Z 11 MAR WATCH  
 GREECE - CHORA\_SFAKION 35.20N 24.13E 0926Z 11 MAR WATCH  
 GREECE - KALAMATA 37.02N 22.11E 0927Z 11 MAR WATCH  
 GREECE - ZAKINTHOS 37.78N 20.91E 0928Z 11 MAR WATCH  
 GREECE - GITHEION 36.77N 22.57E 0929Z 11 MAR WATCH  
 GREECE - KASTELI 35.51N 23.64E 0930Z 11 MAR WATCH  
 GREECE - GAVDOS\_KARAVE 34.85N 24.12E 0932Z 11 MAR WATCH  
 GREECE - CHANIA 35.52N 24.02E 0935Z 11 MAR WATCH  
 GREECE - RETHIMNON 35.38N 24.47E 0938Z 11 MAR WATCH  
 GREECE - MILOS\_ADAMAS 36.72N 24.45E 0940Z 11 MAR WATCH  
 GREECE - CEPHALONNIA\_ARGOSTOLI 38.19N 20.48E 0942Z 11 MAR WATCH  
 GREECE - HARAKLEIO 35.35N 25.15E 0946Z 11 MAR WATCH  
 GREECE - SANTORINI\_ORMOS\_FIRON 36.42N 25.42E 0949Z 11 MAR WATCH  
 GREECE - PREVEZA 38.95N 20.73E 0950Z 11 MAR WATCH  
 GREECE - Kerkira\_Pelekas 39.59N 19.81E 0951Z 11 MAR WATCH  
 GREECE - SANTORINI\_PORI 36.46N 25.43E 0952Z 11 MAR WATCH  
 GREECE - IERAPETRA 35.01N 25.74E 0953Z 11 MAR WATCH  
 GREECE - PEIRAIAS 37.93N 23.62E 0955Z 11 MAR WATCH  
 GREECE - SITEIA 35.23N 26.11E 0957Z 11 MAR WATCH  
 GREECE - KARPATOS\_MESOCHORI 35.63N 27.09E 0958Z 11 MAR WATCH  
 GREECE - KASOS 35.42N 26.92E 1001Z 11 MAR WATCH  
 GREECE - SYROS 37.44N 24.94E 1002Z 11 MAR WATCH  
 GREECE - SIROS\_ERMPOULI 37.44N 24.95E 1002Z 11 MAR WATCH  
 GREECE - AGIOS\_NIKOLAOS 35.21N 25.72E 1002Z 11 MAR WATCH  
 GREECE - IGOUMENITSA 39.51N 20.22E 1005Z 11 MAR WATCH  
 GREECE - TINOS 37.53N 25.16E 1006Z 11 MAR WATCH  
 GREECE - AMORGOS\_KATAPOLA 36.83N 25.86E 1006Z 11 MAR WATCH  
 GREECE - ANDROS 37.84N 24.94E 1011Z 11 MAR WATCH  
 GREECE - KALOGEROI 38.15N 25.29E 1012Z 11 MAR WATCH  
 GREECE - NAXOS\_CHORA 37.11N 25.37E 1013Z 11 MAR WATCH  
 GREECE - PLIMIRI 35.93N 27.86E 1015Z 11 MAR WATCH  
 GREECE - MIKONOS\_CHORA 37.45N 25.32E 1015Z 11 MAR WATCH  
 GREECE - KOS\_KEFALOS 36.74N 26.98E 1015Z 11 MAR WATCH  
 GREECE - PATRA 38.25N 21.73E 1016Z 11 MAR WATCH  
 GREECE - RHODOS\_LINDOS 36.09N 28.09E 1016Z 11 MAR WATCH  
 GREECE - KALATHOS 36.11N 28.07E 1018Z 11 MAR WATCH  
 GREECE - KALIMNOS\_PANORMOS 36.97N 26.93E 1020Z 11 MAR WATCH  
 GREECE - KERKYRA\_IMEROLIA 39.79N 19.91E 1022Z 11 MAR WATCH

GREECE - RHODOS\_TOWN 36.46N 28.21E 1023Z 11 MAR WATCH  
GREECE - KASTELORIZO\_MEGISTI 36.15N 29.59E 1023Z 11 MAR WATCH  
GREECE - IKARIA\_AGIOS\_KIRIKOS 37.61N 26.30E 1025Z 11 MAR WATCH  
GREECE - CHIOS\_VOLLISOS 38.47N 25.92E 1027Z 11 MAR WATCH  
GREECE - KOS 36.90N 27.29E 1029Z 11 MAR WATCH  
GREECE - KOS\_MARINA 36.89N 27.30E 1029Z 11 MAR WATCH  
GREECE - EVIA\_KIMI 38.62N 24.13E 1030Z 11 MAR WATCH  
GREECE - SAMOS\_KARLOVASI 37.80N 26.68E 1034Z 11 MAR WATCH  
GREECE - AIGIO 38.26N 22.08E 1034Z 11 MAR WATCH  
GREECE - PANORMOS 38.36N 22.25E 1039Z 11 MAR WATCH  
GREECE - SKIATHOS 39.16N 23.49E 1042Z 11 MAR WATCH  
GREECE - PLOMARI 38.97N 26.37E 1043Z 11 MAR WATCH  
GREECE - LESVOS\_SIGRI 39.21N 25.84E 1046Z 11 MAR WATCH  
GREECE - ITEA 38.43N 22.42E 1049Z 11 MAR WATCH  
GREECE - CORINTH 37.95N 22.94E 1053Z 11 MAR WATCH  
GREECE - LESVOS\_MOLIVOS 39.37N 26.17E 1056Z 11 MAR WATCH  
GREECE - LIMNOS\_MIRINA 39.87N 25.05E 1057Z 11 MAR WATCH  
GREECE - LESVOS\_MITILINI 39.10N 26.57E 1105Z 11 MAR WATCH  
GREECE - SAMOTHRAKI 40.48N 25.47E 1114Z 11 MAR WATCH  
GREECE - VOLOS 39.35N 22.95E 1120Z 11 MAR WATCH  
GREECE - THASSOS 40.78N 24.71E 1128Z 11 MAR WATCH  
GREECE - KATERINI 40.26N 22.60E 1141Z 11 MAR WATCH  
GREECE - THESSALONIKI 40.63N 22.91E 1211Z 11 MAR WATCH  
ITALY - TSUNAMI\_BUOY\_INGV\_01 36.82N 16.49E 0947Z 11 MAR WATCH  
ITALY - CROTONE 39.08N 17.13E 0958Z 11 MAR WATCH  
ITALY - LE\_CASTELLA 38.91N 17.03E 0958Z 11 MAR WATCH  
ITALY - SIDERNO 38.27N 16.30E 0959Z 11 MAR WATCH  
ITALY - CATANIA\_CALIPSO 37.55N 15.40E 0959Z 11 MAR WATCH  
ITALY - ROCCELLA\_JONICA 38.33N 16.43E 1000Z 11 MAR WATCH  
ITALY - CATANZARO 38.83N 16.63E 1000Z 11 MAR WATCH  
ITALY - SIRACUSA 37.22N 15.23E 1002Z 11 MAR WATCH  
ITALY - CATA 37.49N 15.14E 1003Z 11 MAR WATCH  
ITALY - CATANIA 37.50N 15.09E 1005Z 11 MAR WATCH  
ITALY - REGGIO\_CALABRIA 38.12N 15.65E 1005Z 11 MAR WATCH  
ITALY - MESSINA 38.20N 15.56E 1007Z 11 MAR WATCH  
ITALY - PORTOPALO 36.67N 15.12E 1009Z 11 MAR WATCH  
ITALY - GALLIPOLI 40.05N 17.97E 1010Z 11 MAR WATCH  
ITALY - LAGHI\_DI\_SIBARI 39.73N 16.52E 1012Z 11 MAR WATCH  
ITALY - OTRANTO 40.15N 18.50E 1014Z 11 MAR WATCH  
ITALY - POLICORO\_LIDO 40.19N 16.72E 1016Z 11 MAR WATCH  
ITALY - TARANTO 40.48N 17.22E 1018Z 11 MAR WATCH  
ITALY - STROMBOLICCHIO 38.82N 15.25E 1026Z 11 MAR WATCH  
ITALY - GINOSTRA 38.78N 15.19E 1026Z 11 MAR WATCH  
ITALY - PANAREA 38.64N 15.11E 1026Z 11 MAR WATCH  
ITALY - LIPARI 38.52N 14.96E 1027Z 11 MAR WATCH  
ITALY - MILAZZO 38.21N 15.27E 1028Z 11 MAR WATCH  
ITALY - VIBO\_MARINA 38.72N 16.13E 1033Z 11 MAR WATCH  
ITALY - BRINDISI 40.66N 18.00E 1034Z 11 MAR WATCH  
ITALY - CETRARO 39.50N 15.95E 1042Z 11 MAR WATCH  
ITALY - MONOPOLI 40.96N 17.31E 1044Z 11 MAR WATCH  
ITALY - USTICA 38.70N 13.18E 1045Z 11 MAR WATCH  
ITALY - MARATEA 39.99N 15.71E 1046Z 11 MAR WATCH  
ITALY - PALINURO 40.03N 15.28E 1048Z 11 MAR WATCH  
ITALY - PALERMO 38.12N 13.37E 1049Z 11 MAR WATCH  
ITALY - BARI 41.14N 16.87E 1054Z 11 MAR WATCH  
ITALY - PONZA 40.90N 12.97E 1100Z 11 MAR WATCH  
ITALY - NAPOLI 40.84N 14.27E 1103Z 11 MAR WATCH  
ITALY - MARETTIMO 37.97N 12.08E 1104Z 11 MAR WATCH  
ITALY - SALERNO 40.68N 14.75E 1104Z 11 MAR WATCH  
ITALY - GELA 37.06N 14.23E 1108Z 11 MAR WATCH  
ITALY - PANTELLERIA\_SCAURI 36.77N 11.96E 1113Z 11 MAR WATCH  
ITALY - GAETA 41.21N 13.59E 1114Z 11 MAR WATCH  
ITALY - PANTELLERIA 36.83N 11.94E 1114Z 11 MAR WATCH

ITALY - LAMPEDUSA 35.50N 12.60E 1117Z 11 MAR WATCH  
ITALY - PORTO\_EMPEDOCLE 37.29N 13.53E 1119Z 11 MAR WATCH  
ITALY - VIESTE 41.89N 16.18E 1121Z 11 MAR WATCH  
ITALY - OROSEI 40.44N 9.78E 1123Z 11 MAR WATCH  
ITALY - ANZIO 41.45N 12.63E 1124Z 11 MAR WATCH  
ITALY - SCIACCA 37.50N 13.08E 1125Z 11 MAR WATCH  
ITALY - FIUMICINO 41.77N 12.21E 1127Z 11 MAR WATCH  
ITALY - BARLETTA 41.33N 16.30E 1127Z 11 MAR WATCH  
ITALY - CIVITAVECCHIA 42.09N 11.79E 1129Z 11 MAR WATCH  
ITALY - MAZARA\_DEL\_VALLO 37.64N 12.58E 1136Z 11 MAR WATCH  
ITALY - MARINA\_DI\_TEULADA 38.93N 8.72E 1142Z 11 MAR WATCH  
ITALY - CAGLIARI 39.21N 9.11E 1142Z 11 MAR WATCH  
ITALY - TREMITI 42.12N 15.50E 1144Z 11 MAR WATCH  
ITALY - SANTA\_TERESA\_DI\_GALLURA 41.25N 9.19E 1148Z 11 MAR WATCH  
ITALY - MARINA\_DI\_GROSSETO 42.72N 10.98E 1154Z 11 MAR WATCH  
ITALY - MARINA\_DI\_CAMPO 42.74N 10.24E 1159Z 11 MAR WATCH  
ITALY - PIOMBINO 42.92N 10.53E 1200Z 11 MAR WATCH  
ITALY - CARLOFORTE 39.15N 8.31E 1203Z 11 MAR WATCH  
ITALY - TERMOLI 42.00N 15.01E 1213Z 11 MAR WATCH  
ITALY - ORISTANO 39.86N 8.44E 1216Z 11 MAR WATCH  
ITALY - ALGHERO 40.54N 8.32E 1220Z 11 MAR WATCH  
ITALY - IMPERIA 43.88N 8.02E 1226Z 11 MAR WATCH  
ITALY - GENOVA 44.41N 8.93E 1227Z 11 MAR WATCH  
ITALY - ORTONA 42.36N 14.41E 1228Z 11 MAR WATCH  
ITALY - LIVORNO 43.55N 10.30E 1228Z 11 MAR WATCH  
ITALY - PORTO\_TORRES 40.84N 8.40E 1229Z 11 MAR WATCH  
ITALY - LA\_SPEZIA 44.10N 9.86E 1240Z 11 MAR WATCH  
ITALY - SAN\_BENEDETTO\_DEL\_TRONTO 42.96N 13.89E 1254Z 11 MAR WATCH  
ITALY - ANCONA 43.62N 13.51E 1329Z 11 MAR WATCH  
ITALY - CESENATICO 44.18N 12.42E 1454Z 11 MAR WATCH  
ITALY - RAVENNA 44.49N 12.28E 1510Z 11 MAR WATCH  
ITALY - CHIOGGIA 45.21N 12.30E 1547Z 11 MAR WATCH  
ITALY - TRIESTE 45.65N 13.76E 1556Z 11 MAR WATCH  
ITALY - VENEZIA 45.42N 12.43E 1603Z 11 MAR WATCH  
LIBYA - DERNA 32.77N 22.67E 0958Z 11 MAR WATCH  
LIBYA - TUBRUQ 32.06N 23.99E 1011Z 11 MAR WATCH  
LIBYA - BENGHAZI 32.14N 20.04E 1012Z 11 MAR WATCH  
LIBYA - MISRATA 32.38N 15.24E 1040Z 11 MAR WATCH  
LIBYA - SIRTE 31.23N 16.59E 1047Z 11 MAR WATCH  
LIBYA - MARSALA\_BREGA 30.43N 19.59E 1047Z 11 MAR WATCH  
LIBYA - TRIPOLI\_LIB 32.94N 13.21E 1119Z 11 MAR WATCH  
LIBYA - ZUWARA 32.95N 12.09E 1200Z 11 MAR WATCH  
EGYPT - MERSA\_MATRUH 31.39N 27.24E 1016Z 11 MAR WATCH  
EGYPT - EL\_SALLOUM 31.55N 25.19E 1020Z 11 MAR WATCH  
EGYPT - ALEXANDRIA 31.21N 29.92E 1052Z 11 MAR WATCH  
EGYPT - RAS\_EL\_BAR 31.53N 31.83E 1140Z 11 MAR WATCH  
EGYPT - PORT\_SAID 31.29N 32.31E 1208Z 11 MAR WATCH  
TURKIYE - MUGLA\_DALAMAN 36.69N 28.78E 1024Z 11 MAR WATCH  
TURKIYE - ANTALYA\_KAS 36.18N 29.62E 1025Z 11 MAR WATCH  
TURKIYE - ANTALYA 36.20N 29.64E 1025Z 11 MAR WATCH  
TURKIYE - ANTALYA\_FINIKE 36.29N 30.15E 1030Z 11 MAR WATCH  
TURKIYE - MUGLA\_FETHIYE 36.66N 29.11E 1031Z 11 MAR WATCH  
TURKIYE - FETHYE 36.62N 29.09E 1031Z 11 MAR WATCH  
TURKIYE - MUGLA\_BODRUM\_M 37.03N 27.42E 1033Z 11 MAR WATCH  
TURKIYE - MUGLA\_AKSAZ\_M 36.84N 28.40E 1039Z 11 MAR WATCH  
TURKIYE - MARMARIS 36.84N 28.39E 1039Z 11 MAR WATCH  
TURKIYE - IZMIR\_ALACATI 38.25N 26.39E 1042Z 11 MAR WATCH  
TURKIYE - ANTALYA\_M 36.83N 30.61E 1043Z 11 MAR WATCH  
TURKIYE - ANTALYA\_ALANYA 36.55N 31.98E 1046Z 11 MAR WATCH  
TURKIYE - AYDIN\_DIDIM 37.35N 27.28E 1048Z 11 MAR WATCH  
TURKIYE - AYDIN\_KUSADASI 37.87N 27.26E 1054Z 11 MAR WATCH  
TURKIYE - MERSIN\_BOZYAZI\_M 36.10N 32.94E 1100Z 11 MAR WATCH  
TURKIYE - IZMIR\_ALIAGA 38.83N 26.94E 1107Z 11 MAR WATCH

TURKIYE - CANAKKALE\_GOKCEADA\_M 40.23N 25.89E 1114Z 11 MAR WATCH  
TURKIYE - IZMIR\_MENTES 38.43N 26.72E 1116Z 11 MAR WATCH  
TURKIYE - CANAKKALE\_BOZCAADA 39.84N 26.08E 1119Z 11 MAR WATCH  
TURKIYE - MERSIN\_TASUCU 36.28N 33.84E 1122Z 11 MAR WATCH  
TURKIYE - BALIKESIR\_AYVALIK 39.31N 26.69E 1124Z 11 MAR WATCH  
TURKIYE - MERSIN\_ERDEMLI\_M 36.56N 34.26E 1129Z 11 MAR WATCH  
TURKIYE - EDIRNE\_ENEZ 40.71N 26.05E 1139Z 11 MAR WATCH  
TURKIYE - IZMIR\_ALSANCAK 38.44N 27.14E 1150Z 11 MAR WATCH  
TURKIYE - HATAY\_ISKENDERUN\_M 36.59N 36.18E 1222Z 11 MAR WATCH  
TURKIYE - ADANA\_YUMURTALIK 36.91N 35.98E 1230Z 11 MAR WATCH  
TURKIYE - MARMARA 40.97N 27.96E 1311Z 11 MAR WATCH  
TURKIYE - YALOVA 40.66N 29.28E 1330Z 11 MAR WATCH  
TURKIYE - ERDEK 40.39N 27.85E 1332Z 11 MAR WATCH  
ALBANIA - SARANDE 39.85N 20.00E 1024Z 11 MAR WATCH  
ALBANIA - VLORE 40.44N 19.48E 1026Z 11 MAR WATCH  
ALBANIA - DURRES 41.29N 19.46E 1058Z 11 MAR WATCH  
MALTA - MARSAXLOKK 35.83N 14.55E 1036Z 11 MAR WATCH  
MALTA - PORTOMASO 35.92N 14.49E 1045Z 11 MAR WATCH  
MALTA - MALTA 35.99N 14.33E 1045Z 11 MAR WATCH  
CYPRUS - PAFOS 34.77N 32.42E 1047Z 11 MAR WATCH  
CYPRUS - POLIS 35.03N 32.43E 1050Z 11 MAR WATCH  
CYPRUS - MORFOU 35.20N 32.99E 1059Z 11 MAR WATCH  
CYPRUS - LEMESOS 34.68N 33.03E 1059Z 11 MAR WATCH  
CYPRUS - VASILIKO 34.72N 33.32E 1101Z 11 MAR WATCH  
CYPRUS - KERYNEIA 35.33N 33.32E 1102Z 11 MAR WATCH  
CYPRUS - LARNAKA 34.92N 33.62E 1107Z 11 MAR WATCH  
CYPRUS - PARALIMNI 35.04N 34.04E 1115Z 11 MAR WATCH  
CYPRUS - AMMOCHOSTOS 35.11N 33.94E 1119Z 11 MAR WATCH  
CROATIA - DUBROVNIK 42.64N 18.10E 1056Z 11 MAR WATCH  
CROATIA - SOBRA 42.79N 17.62E 1109Z 11 MAR WATCH  
CROATIA - PALAGRUZA 42.39N 16.26E 1114Z 11 MAR WATCH  
CROATIA - VELA\_LUKA 42.96N 16.70E 1125Z 11 MAR WATCH  
CROATIA - STARI\_GRAD 43.18N 16.58E 1157Z 11 MAR WATCH  
CROATIA - SPLIT 43.50N 16.44E 1206Z 11 MAR WATCH  
CROATIA - ZIRJE 43.63N 15.69E 1211Z 11 MAR WATCH  
CROATIA - VELI\_RAT 44.15N 14.82E 1254Z 11 MAR WATCH  
CROATIA - MALI\_LOSINJ 44.54N 14.43E 1333Z 11 MAR WATCH  
CROATIA - PULA 44.85N 13.82E 1413Z 11 MAR WATCH  
CROATIA - RIJEKA 45.34N 14.37E 1427Z 11 MAR WATCH  
CROATIA - POREC 45.22N 13.58E 1457Z 11 MAR WATCH  
MONTENEGRO - BAR 42.10N 19.06E 1104Z 11 MAR WATCH  
LEBANON - BEIRUT 33.92N 35.55E 1118Z 11 MAR WATCH  
LEBANON - BATROUN 34.25N 35.66E 1119Z 11 MAR WATCH  
LEBANON - TYRE 33.29N 35.20E 1119Z 11 MAR WATCH  
LEBANON - TRIPOLI\_LEB 34.48N 35.82E 1126Z 11 MAR WATCH  
SYRIA - TARTOUS 35.00N 35.50E 1120Z 11 MAR WATCH  
SYRIA - LATTAKIA 35.50N 35.50E 1126Z 11 MAR WATCH  
ISRAEL - NAHARIYA 33.01N 35.07E 1121Z 11 MAR WATCH  
ISRAEL - HAIFA 32.80N 34.94E 1123Z 11 MAR WATCH  
ISRAEL - HADERA 32.47N 34.86E 1127Z 11 MAR WATCH  
ISRAEL - TEL\_AVIV 32.08N 34.75E 1134Z 11 MAR WATCH  
ISRAEL - ASHDOD\_PORT 31.85N 34.65E 1134Z 11 MAR WATCH  
ISRAEL - ASHDOD\_M 31.83N 34.64E 1136Z 11 MAR WATCH  
ISRAEL - ASHKELON\_M 31.63N 34.49E 1137Z 11 MAR WATCH  
ISRAEL - ASHDOD 31.49N 34.38E 1140Z 11 MAR WATCH  
ISRAEL - ASHKELON 31.42N 34.33E 1143Z 11 MAR WATCH  
FRANCE - SOLENZARA 41.83N 9.40E 1136Z 11 MAR WATCH  
FRANCE - BASTIA 42.70N 9.45E 1151Z 11 MAR WATCH  
FRANCE - CENTURI 42.97N 9.35E 1211Z 11 MAR WATCH  
FRANCE - L\_ILE\_ROUSSE 42.64N 8.93E 1217Z 11 MAR WATCH  
FRANCE - AJACCIO 41.93N 8.78E 1221Z 11 MAR WATCH  
FRANCE - NICE 43.70N 7.27E 1226Z 11 MAR WATCH  
FRANCE - LA\_FIGUEIRETTE 43.48N 6.93E 1229Z 11 MAR WATCH

FRANCE - CANNES 43.55N 7.03E 1230Z 11 MAR WATCH  
FRANCE - PORT\_FERREOL 43.36N 6.72E 1231Z 11 MAR WATCH  
FRANCE - TOULONE 43.11N 5.97E 1234Z 11 MAR WATCH  
FRANCE - PORT\_VENDRE 42.52N 3.11E 1249Z 11 MAR WATCH  
FRANCE - MARSEILLE 43.31N 5.38E 1251Z 11 MAR WATCH  
FRANCE - FOS\_SUR\_MER 43.40N 4.89E 1307Z 11 MAR WATCH  
FRANCE - PORT\_LA\_NOUVELLE 43.01N 3.04E 1319Z 11 MAR WATCH  
FRANCE - SETE 43.40N 3.69E 1321Z 11 MAR WATCH  
TUNISIA - BIZERTE 37.27N 9.91E 1150Z 11 MAR WATCH  
TUNISIA - TABARKA 36.98N 8.78E 1157Z 11 MAR WATCH  
TUNISIA - TUNISI 36.82N 10.33E 1219Z 11 MAR WATCH  
TUNISIA - SOUSSE 35.83N 10.67E 1222Z 11 MAR WATCH  
TUNISIA - ZARZIS 33.50N 11.14E 1306Z 11 MAR WATCH  
TUNISIA - SFAX 34.71N 10.79E 1401Z 11 MAR WATCH  
ALGERIA - ANNABA 36.90N 7.80E 1155Z 11 MAR WATCH  
ALGERIA - BEJAIA 36.74N 5.11E 1208Z 11 MAR WATCH  
ALGERIA - ALGIERS 36.77N 3.09E 1225Z 11 MAR WATCH  
ALGERIA - TENES 36.52N 1.29E 1239Z 11 MAR WATCH  
ALGERIA - ORAN 35.73N 0.64W 1305Z 11 MAR WATCH  
ALGERIA - GHAZAOUET 35.12N 1.87W 1330Z 11 MAR WATCH  
SPAIN - MAHON 39.89N 4.27E 1218Z 11 MAR WATCH  
SPAIN - LA\_MOLA\_DE\_MAHON 39.87N 4.31E 1221Z 11 MAR WATCH  
SPAIN - CIUTADELLA\_DE\_MENORCA 39.99N 3.83E 1229Z 11 MAR WATCH  
SPAIN - ALCUDIA 39.87N 3.12E 1240Z 11 MAR WATCH  
SPAIN - BARCELONA 41.39N 2.18E 1244Z 11 MAR WATCH  
SPAIN - FORMENTERA 38.73N 1.42E 1250Z 11 MAR WATCH  
SPAIN - IBIZA 38.91N 1.44E 1252Z 11 MAR WATCH  
SPAIN - PALMA\_DE\_MALLORCA 39.57N 2.65E 1254Z 11 MAR WATCH  
SPAIN - TARRAGONA 41.12N 1.26E 1255Z 11 MAR WATCH  
SPAIN - CARTAGENA 37.61N 0.98W 1302Z 11 MAR WATCH  
SPAIN - MURCIA 37.60N 0.98W 1302Z 11 MAR WATCH  
SPAIN - CARBONERAS 36.97N 1.90W 1308Z 11 MAR WATCH  
SPAIN - ALICANTE 38.34N 0.48W 1315Z 11 MAR WATCH  
SPAIN - GANDIA 39.00N 0.15W 1323Z 11 MAR WATCH  
SPAIN - SAGUNTO 39.63N 0.21W 1324Z 11 MAR WATCH  
SPAIN - ALBORAN\_ISLAND 35.94N 3.03W 1324Z 11 MAR WATCH  
SPAIN - ALMERIA 36.84N 2.47W 1327Z 11 MAR WATCH  
SPAIN - VALENCIA 39.48N 0.38W 1329Z 11 MAR WATCH  
SPAIN - CASTELLON\_DE\_LA\_PLANA 39.99N 0.04W 1334Z 11 MAR WATCH  
SPAIN - MOTRIL 36.72N 3.52W 1334Z 11 MAR WATCH  
SPAIN - MELILLA 35.30N 2.94W 1341Z 11 MAR WATCH  
SPAIN - TARIFA 36.01N 5.60W 1352Z 11 MAR WATCH  
SPAIN - MALAGA 36.72N 4.42W 1354Z 11 MAR WATCH  
SPAIN - CEUTA 35.89N 5.32W 1356Z 11 MAR WATCH  
SPAIN - BONANZA2 36.80N 6.34W 1358Z 11 MAR WATCH  
SPAIN - HUELVA 37.13N 6.83W 1358Z 11 MAR WATCH  
SPAIN - ALGECIRAS 36.13N 5.45W 1358Z 11 MAR WATCH  
SPAIN - CADIZ 36.53N 6.28W 1358Z 11 MAR WATCH  
BOSNIA\_HERZEGOVINA - NEUM 42.92N 17.60E 1220Z 11 MAR WATCH  
MONACO - MONACO\_FONTVIEILLE 43.72N 7.45E 1226Z 11 MAR WATCH  
MONACO - MONTE\_CARLO 43.73N 7.43E 1226Z 11 MAR WATCH  
MOROCCO - SAIDIA\_MARINA 35.11N 2.29W 1335Z 11 MAR WATCH  
MOROCCO - EL\_HOCEIMA 35.24N 3.90W 1345Z 11 MAR WATCH  
MOROCCO - FNIDEQ 35.84N 5.33W 1356Z 11 MAR WATCH  
MOROCCO - RABAT 34.05N 6.86W 1400Z 11 MAR WATCH  
MOROCCO - TANGIER 35.80N 5.79W 1400Z 11 MAR WATCH  
UK - GIBRALTAR 36.13N 5.37W 1356Z 11 MAR WATCH  
SLOVENIA - KOPER 45.56N 13.71E 1548Z 11 MAR WATCH

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND  
EVALUATION ALLOWS.

**T(n5): 09:23 UTC (Dissemination of the 2nd message)**

TSUNAMI MESSAGE NUMBER 002  
NEAM INGV IT-NTWC TSUNAMI SERVICE PROVIDER  
ISSUED AT 0923Z 11 MAR 2026

... TSUNAMI WATCH ONGOING ...  
THIS ALERT APPLIES TO ALBANIA ... ALGERIA ... BOSNIA\_HERZEGOVINA ...  
CROATIA ... CYPRUS ... EGYPT ... FRANCE ... GREECE ... ISRAEL ...  
ITALY ... LEBANON ... LIBYA ... MALTA ... MONACO ... MONTENEGRO ...  
MOROCCO ... SLOVENIA ... SPAIN ... SYRIA ... TUNISIA ... TURKIYE ...  
UK

THIS ALERT IS ADDRESSED TO ALL COUNTRIES AND INSTITUTIONS SUBSCRIBED  
TO THE SERVICES OF INGV IT-NTWC TSUNAMI SERVICE PROVIDER IN ITS MONITORING AREA

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY  
NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE  
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY  
ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0910Z 11 MAR 2026  
COORDINATES - 36.40 NORTH 22.20 EAST  
DEPTH - 20 KM  
LOCATION - TEST  
MAGNITUDE - 7.9

ALERT LEVEL IS ASSIGNED ACCORDING TO THE ABOVE ESTIMATIONS OF  
EARTHQUAKE PARAMETERS AND BASED ON THE MODIFIED ICG/NEAMTWS DECISION MATRIX

EVALUATION OF TSUNAMI WATCH  
SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN  
0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS  
CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND  
REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES  
SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY.  
A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST.  
TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG  
A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT  
CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY  
HOURS AS MULTIPLE WAVES ARRIVE.

HOWEVER, AT SOME COASTS, PARTICULARLY THOSE NEAR THE EPICENTER, HIGHER  
TSUNAMIS MAY ARRIVE THAN OUR ESTIMATION.  
AUTHORITIES SHOULD BE AWARE OF THIS POSSIBILITY.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN  
THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.  
LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL  
(ADIVOSRY, WATCH)

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GREECE - KIPARISSIA 37.26N 21.66E 0916Z 11 MAR WATCH  
GREECE - KITHERA\_KAPSALI 36.14N 23.00E 0916Z 11 MAR WATCH  
GREECE - MONEMVASIA 36.68N 23.04E 0917Z 11 MAR WATCH  
GREECE - KAPSALI 36.14N 23.00E 0917Z 11 MAR WATCH  
GREECE - PALEOCHORA 35.22N 23.68E 0922Z 11 MAR WATCH  
GREECE - KORONI 36.80N 21.96E 0925Z 11 MAR WATCH  
GREECE - KATAKOLO 37.64N 21.32E 0925Z 11 MAR WATCH  
GREECE - CHORA\_SFAKION 35.20N 24.13E 0926Z 11 MAR WATCH  
GREECE - KALAMATA 37.02N 22.11E 0927Z 11 MAR WATCH

GREECE - ZAKINTHOS 37.78N 20.91E 0928Z 11 MAR WATCH  
GREECE - GITHEION 36.77N 22.57E 0929Z 11 MAR WATCH  
GREECE - KASTELI 35.51N 23.64E 0930Z 11 MAR WATCH  
GREECE - GAVDOS\_KARAVE 34.85N 24.12E 0932Z 11 MAR WATCH  
GREECE - CHANIA 35.52N 24.02E 0935Z 11 MAR WATCH  
GREECE - RETHIMNON 35.38N 24.47E 0938Z 11 MAR WATCH  
GREECE - MILOS\_ADAMAS 36.72N 24.45E 0940Z 11 MAR WATCH  
GREECE - CEPHALONNIA\_ARGOSTOLI 38.19N 20.48E 0942Z 11 MAR WATCH  
GREECE - HARAKLEIO 35.35N 25.15E 0946Z 11 MAR WATCH  
GREECE - SANTORINI\_ORMOS\_FIRON 36.42N 25.42E 0949Z 11 MAR WATCH  
GREECE - PREVEZA 38.95N 20.73E 0950Z 11 MAR WATCH  
GREECE - KERKIRA\_PELEKAS 39.59N 19.81E 0951Z 11 MAR WATCH  
GREECE - SANTORINI\_PORI 36.46N 25.43E 0952Z 11 MAR WATCH  
GREECE - IERAPETRA 35.01N 25.74E 0953Z 11 MAR WATCH  
GREECE - PEIRAIAS 37.93N 23.62E 0955Z 11 MAR WATCH  
GREECE - SITEIA 35.23N 26.11E 0957Z 11 MAR WATCH  
GREECE - KARPATOS\_MESOCHORI 35.63N 27.09E 0958Z 11 MAR WATCH  
GREECE - KASOS 35.42N 26.92E 1001Z 11 MAR WATCH  
GREECE - SYROS 37.44N 24.94E 1002Z 11 MAR WATCH  
GREECE - SIROS\_ERMOUPOLI 37.44N 24.95E 1002Z 11 MAR WATCH  
GREECE - AGIOS\_NIKOLAOS 35.21N 25.72E 1002Z 11 MAR WATCH  
GREECE - IGOUMENITSA 39.51N 20.22E 1005Z 11 MAR WATCH  
GREECE - TINOS 37.53N 25.16E 1006Z 11 MAR WATCH  
GREECE - AMORGOS\_KATAPOLA 36.83N 25.86E 1006Z 11 MAR WATCH  
GREECE - ANDROS 37.84N 24.94E 1011Z 11 MAR WATCH  
GREECE - KALOGEROI 38.15N 25.29E 1012Z 11 MAR WATCH  
GREECE - NAXOS\_CHORA 37.11N 25.37E 1013Z 11 MAR WATCH  
GREECE - PLIMIRI 35.93N 27.86E 1015Z 11 MAR WATCH  
GREECE - MIKONOS\_CHORA 37.45N 25.32E 1015Z 11 MAR WATCH  
GREECE - KOS\_KEFALOS 36.74N 26.98E 1015Z 11 MAR WATCH  
GREECE - PATRA 38.25N 21.73E 1016Z 11 MAR WATCH  
GREECE - RHODOS\_LINDOS 36.09N 28.09E 1016Z 11 MAR WATCH  
GREECE - KALATHOS 36.11N 28.07E 1018Z 11 MAR WATCH  
GREECE - KALIMNOS\_PANORMOS 36.97N 26.93E 1020Z 11 MAR WATCH  
GREECE - KERKYRA\_IMEROLIA 39.79N 19.91E 1022Z 11 MAR WATCH  
GREECE - RHODOS\_TOWN 36.46N 28.21E 1023Z 11 MAR WATCH  
GREECE - KASTELORIZO\_MEGISTI 36.15N 29.59E 1023Z 11 MAR WATCH  
GREECE - IKARIA\_AGIOS\_KIRIKOS 37.61N 26.30E 1025Z 11 MAR WATCH  
GREECE - CHIOS\_VOLLISOS 38.47N 25.92E 1027Z 11 MAR WATCH  
GREECE - KOS 36.90N 27.29E 1029Z 11 MAR WATCH  
GREECE - KOS\_MARINA 36.89N 27.30E 1029Z 11 MAR WATCH  
GREECE - EVIA\_KIMI 38.62N 24.13E 1030Z 11 MAR WATCH  
GREECE - SAMOS\_KARLOVASI 37.80N 26.68E 1034Z 11 MAR WATCH  
GREECE - AIGIO 38.26N 22.08E 1034Z 11 MAR WATCH  
GREECE - PANORMOS 38.36N 22.25E 1039Z 11 MAR WATCH  
GREECE - SKIATHOS 39.16N 23.49E 1042Z 11 MAR WATCH  
GREECE - PLOMARI 38.97N 26.37E 1043Z 11 MAR WATCH  
GREECE - LESVOS\_SIGRI 39.21N 25.84E 1046Z 11 MAR WATCH  
GREECE - ITEA 38.43N 22.42E 1049Z 11 MAR WATCH  
GREECE - CORINTH 37.95N 22.94E 1053Z 11 MAR WATCH  
GREECE - LESVOS\_MOLIVOS 39.37N 26.17E 1056Z 11 MAR WATCH  
GREECE - LIMNOS\_MIRINA 39.87N 25.05E 1057Z 11 MAR WATCH  
GREECE - LESVOS\_MITILINI 39.10N 26.57E 1105Z 11 MAR WATCH  
GREECE - SAMOTHRAKI 40.48N 25.47E 1114Z 11 MAR WATCH  
GREECE - VOLOS 39.35N 22.95E 1120Z 11 MAR WATCH  
GREECE - THASSOS 40.78N 24.71E 1128Z 11 MAR WATCH  
GREECE - KATERINI 40.26N 22.60E 1141Z 11 MAR WATCH  
GREECE - THESSALONIKI 40.63N 22.91E 1211Z 11 MAR WATCH  
ITALY - TSUNAMI\_BUOY\_INGV\_01 36.82N 16.49E 0947Z 11 MAR WATCH  
ITALY - CROTONE 39.08N 17.13E 0958Z 11 MAR WATCH  
ITALY - LE\_CASTELLA 38.91N 17.03E 0958Z 11 MAR WATCH  
ITALY - SIDERNO 38.27N 16.30E 0959Z 11 MAR WATCH  
ITALY - CATANIA\_CALIPSO 37.55N 15.40E 0959Z 11 MAR WATCH

ITALY - ROCCELLA\_JONICA 38.33N 16.43E 1000Z 11 MAR WATCH  
ITALY - CATANZARO 38.83N 16.63E 1000Z 11 MAR WATCH  
ITALY - SIRACUSA 37.22N 15.23E 1002Z 11 MAR WATCH  
ITALY - CATA 37.49N 15.14E 1003Z 11 MAR WATCH  
ITALY - CATANIA 37.50N 15.09E 1005Z 11 MAR WATCH  
ITALY - REGGIO\_CALABRIA 38.12N 15.65E 1005Z 11 MAR WATCH  
ITALY - MESSINA 38.20N 15.56E 1007Z 11 MAR WATCH  
ITALY - PORTOPALO 36.67N 15.12E 1009Z 11 MAR WATCH  
ITALY - GALLIPOLI 40.05N 17.97E 1010Z 11 MAR WATCH  
ITALY - LAGHI\_DI\_SIBARI 39.73N 16.52E 1012Z 11 MAR WATCH  
ITALY - OTRANTO 40.15N 18.50E 1014Z 11 MAR WATCH  
ITALY - POLICORO\_LIDO 40.19N 16.72E 1016Z 11 MAR WATCH  
ITALY - TARANTO 40.48N 17.22E 1018Z 11 MAR WATCH  
ITALY - STROMBOLICCHIO 38.82N 15.25E 1026Z 11 MAR WATCH  
ITALY - GINOSTRA 38.78N 15.19E 1026Z 11 MAR WATCH  
ITALY - PANAREA 38.64N 15.11E 1026Z 11 MAR WATCH  
ITALY - LIPARI 38.52N 14.96E 1027Z 11 MAR WATCH  
ITALY - MILAZZO 38.21N 15.27E 1028Z 11 MAR WATCH  
ITALY - VIBO\_MARINA 38.72N 16.13E 1033Z 11 MAR WATCH  
ITALY - BRINDISI 40.66N 18.00E 1034Z 11 MAR WATCH  
ITALY - CETRARO 39.50N 15.95E 1042Z 11 MAR WATCH  
ITALY - MONOPOLI 40.96N 17.31E 1044Z 11 MAR WATCH  
ITALY - USTICA 38.70N 13.18E 1045Z 11 MAR WATCH  
ITALY - MARATEA 39.99N 15.71E 1046Z 11 MAR WATCH  
ITALY - PALINURO 40.03N 15.28E 1048Z 11 MAR WATCH  
ITALY - PALERMO 38.12N 13.37E 1049Z 11 MAR WATCH  
ITALY - BARI 41.14N 16.87E 1054Z 11 MAR WATCH  
ITALY - PONZA 40.90N 12.97E 1100Z 11 MAR WATCH  
ITALY - NAPOLI 40.84N 14.27E 1103Z 11 MAR WATCH  
ITALY - MARETTIMO 37.97N 12.08E 1104Z 11 MAR WATCH  
ITALY - SALERNO 40.68N 14.75E 1104Z 11 MAR WATCH  
ITALY - GELA 37.06N 14.23E 1108Z 11 MAR WATCH  
ITALY - PANTELLERIA\_SCAURI 36.77N 11.96E 1113Z 11 MAR WATCH  
ITALY - GAETA 41.21N 13.59E 1114Z 11 MAR WATCH  
ITALY - PANTELLERIA 36.83N 11.94E 1114Z 11 MAR WATCH  
ITALY - LAMPEDUSA 35.50N 12.60E 1117Z 11 MAR WATCH  
ITALY - PORTO\_EMPEDOCLE 37.29N 13.53E 1119Z 11 MAR WATCH  
ITALY - VIESTE 41.89N 16.18E 1121Z 11 MAR WATCH  
ITALY - OROSEI 40.44N 9.78E 1123Z 11 MAR WATCH  
ITALY - ANZIO 41.45N 12.63E 1124Z 11 MAR WATCH  
ITALY - SCIACCA 37.50N 13.08E 1125Z 11 MAR WATCH  
ITALY - FIUMICINO 41.77N 12.21E 1127Z 11 MAR WATCH  
ITALY - BARLETTA 41.33N 16.30E 1127Z 11 MAR WATCH  
ITALY - CIVITAVECCHIA 42.09N 11.79E 1129Z 11 MAR WATCH  
ITALY - MAZARA\_DEL\_VALLO 37.64N 12.58E 1136Z 11 MAR WATCH  
ITALY - MARINA\_DI\_TEULADA 38.93N 8.72E 1142Z 11 MAR WATCH  
ITALY - CAGLIARI 39.21N 9.11E 1142Z 11 MAR WATCH  
ITALY - TREMITI 42.12N 15.50E 1144Z 11 MAR WATCH  
ITALY - SANTA\_TERESA\_DI\_GALLURA 41.25N 9.19E 1148Z 11 MAR WATCH  
ITALY - MARINA\_DI\_GROSSETO 42.72N 10.98E 1154Z 11 MAR WATCH  
ITALY - MARINA\_DI\_CAMPO 42.74N 10.24E 1159Z 11 MAR WATCH  
ITALY - PIOMBINO 42.92N 10.53E 1200Z 11 MAR WATCH  
ITALY - CARLOFORTE 39.15N 8.31E 1203Z 11 MAR WATCH  
ITALY - TERMOLI 42.00N 15.01E 1213Z 11 MAR WATCH  
ITALY - ORISTANO 39.86N 8.44E 1216Z 11 MAR WATCH  
ITALY - ALGHERO 40.54N 8.32E 1220Z 11 MAR WATCH  
ITALY - IMPERIA 43.88N 8.02E 1226Z 11 MAR WATCH  
ITALY - GENOVA 44.41N 8.93E 1227Z 11 MAR WATCH  
ITALY - ORTONA 42.36N 14.41E 1228Z 11 MAR WATCH  
ITALY - LIVORNO 43.55N 10.30E 1228Z 11 MAR WATCH  
ITALY - PORTO\_TORRES 40.84N 8.40E 1229Z 11 MAR WATCH  
ITALY - LA\_SPEZIA 44.10N 9.86E 1240Z 11 MAR WATCH  
ITALY - SAN\_BENEDETTO\_DEL\_TRONTO 42.96N 13.89E 1254Z 11 MAR WATCH

ITALY - ANCONA 43.62N 13.51E 1329Z 11 MAR WATCH  
ITALY - CESENATICO 44.18N 12.42E 1454Z 11 MAR WATCH  
ITALY - RAVENNA 44.49N 12.28E 1510Z 11 MAR WATCH  
ITALY - CHIOGGIA 45.21N 12.30E 1547Z 11 MAR WATCH  
ITALY - TRIESTE 45.65N 13.76E 1556Z 11 MAR WATCH  
ITALY - VENEZIA 45.42N 12.43E 1603Z 11 MAR WATCH  
LIBYA - DERNA 32.77N 22.67E 0958Z 11 MAR WATCH  
LIBYA - TUBRUQ 32.06N 23.99E 1011Z 11 MAR WATCH  
LIBYA - BENGHAZI 32.14N 20.04E 1012Z 11 MAR WATCH  
LIBYA - MISRATA 32.38N 15.24E 1040Z 11 MAR WATCH  
LIBYA - SIRTE 31.23N 16.59E 1047Z 11 MAR WATCH  
LIBYA - MARSА\_AL\_BREGA 30.43N 19.59E 1047Z 11 MAR WATCH  
LIBYA - TRIPOLI\_LIB 32.94N 13.21E 1119Z 11 MAR WATCH  
LIBYA - ZUWARA 32.95N 12.09E 1200Z 11 MAR WATCH  
EGYPT - MERSA\_MATRUH 31.39N 27.24E 1016Z 11 MAR WATCH  
EGYPT - EL\_SALLOUM 31.55N 25.19E 1020Z 11 MAR WATCH  
EGYPT - ALEXANDRIA 31.21N 29.92E 1052Z 11 MAR WATCH  
EGYPT - RAS\_EL\_BAR 31.53N 31.83E 1140Z 11 MAR WATCH  
EGYPT - PORT\_SAID 31.29N 32.31E 1208Z 11 MAR WATCH  
TURKIYE - MUGLA\_DALAMAN 36.69N 28.78E 1024Z 11 MAR WATCH  
TURKIYE - ANTALYA\_KAS 36.18N 29.62E 1025Z 11 MAR WATCH  
TURKIYE - ANTALYA 36.20N 29.64E 1025Z 11 MAR WATCH  
TURKIYE - ANTALYA\_FINIKE 36.29N 30.15E 1030Z 11 MAR WATCH  
TURKIYE - MUGLA\_FETHIYE 36.66N 29.11E 1031Z 11 MAR WATCH  
TURKIYE - FETHYE 36.62N 29.09E 1031Z 11 MAR WATCH  
TURKIYE - MUGLA\_BODRUM\_M 37.03N 27.42E 1033Z 11 MAR WATCH  
TURKIYE - MUGLA\_AKSAZ\_M 36.84N 28.40E 1039Z 11 MAR WATCH  
TURKIYE - MARMARIS 36.84N 28.39E 1039Z 11 MAR WATCH  
TURKIYE - IZMIR\_ALACATI 38.25N 26.39E 1042Z 11 MAR WATCH  
TURKIYE - ANTALYA\_M 36.83N 30.61E 1043Z 11 MAR WATCH  
TURKIYE - ANTALYA\_ALANYA 36.55N 31.98E 1046Z 11 MAR WATCH  
TURKIYE - AYDIN\_DIDIM 37.35N 27.28E 1048Z 11 MAR WATCH  
TURKIYE - AYDIN\_KUSADASI 37.87N 27.26E 1054Z 11 MAR WATCH  
TURKIYE - MERSIN\_BOZYAZI\_M 36.10N 32.94E 1100Z 11 MAR WATCH  
TURKIYE - IZMIR\_ALIAGA 38.83N 26.94E 1107Z 11 MAR WATCH  
TURKIYE - CANAKKALE\_GOKCEADA\_M 40.23N 25.89E 1114Z 11 MAR WATCH  
TURKIYE - IZMIR\_MENTES 38.43N 26.72E 1116Z 11 MAR WATCH  
TURKIYE - CANAKKALE\_BOZCAADA 39.84N 26.08E 1119Z 11 MAR WATCH  
TURKIYE - MERSIN\_TASUCU 36.28N 33.84E 1122Z 11 MAR WATCH  
TURKIYE - BALIKESIR\_AYVALIK 39.31N 26.69E 1124Z 11 MAR WATCH  
TURKIYE - MERSIN\_ERDEMLI\_M 36.56N 34.26E 1129Z 11 MAR WATCH  
TURKIYE - EDIRNE\_ENEZ 40.71N 26.05E 1139Z 11 MAR WATCH  
TURKIYE - IZMIR\_ALSANCAK 38.44N 27.14E 1150Z 11 MAR WATCH  
TURKIYE - HATAY\_ISKENDERUN\_M 36.59N 36.18E 1222Z 11 MAR WATCH  
TURKIYE - ADANA\_YUMURTALIK 36.91N 35.98E 1230Z 11 MAR WATCH  
TURKIYE - MARMARA 40.97N 27.96E 1311Z 11 MAR WATCH  
TURKIYE - YALOVA 40.66N 29.28E 1330Z 11 MAR WATCH  
TURKIYE - ERDEK 40.39N 27.85E 1332Z 11 MAR WATCH  
ALBANIA - SARANDE 39.85N 20.00E 1024Z 11 MAR WATCH  
ALBANIA - VLORE 40.44N 19.48E 1026Z 11 MAR WATCH  
ALBANIA - DURRES 41.29N 19.46E 1058Z 11 MAR WATCH  
MALTA - MARSAXLOKK 35.83N 14.55E 1036Z 11 MAR WATCH  
MALTA - PORTOMASO 35.92N 14.49E 1045Z 11 MAR WATCH  
MALTA - MALTA 35.99N 14.33E 1045Z 11 MAR WATCH  
CYPRUS - PAFOS 34.77N 32.42E 1047Z 11 MAR WATCH  
CYPRUS - POLIS 35.03N 32.43E 1050Z 11 MAR WATCH  
CYPRUS - MORFOU 35.20N 32.99E 1059Z 11 MAR WATCH  
CYPRUS - LEMESOS 34.68N 33.03E 1059Z 11 MAR WATCH  
CYPRUS - VASILIKO 34.72N 33.32E 1101Z 11 MAR WATCH  
CYPRUS - KERYNEIA 35.33N 33.32E 1102Z 11 MAR WATCH  
CYPRUS - LARNAKA 34.92N 33.62E 1107Z 11 MAR WATCH  
CYPRUS - PARALIMNI 35.04N 34.04E 1115Z 11 MAR WATCH  
CYPRUS - AMMOCHOSTOS 35.11N 33.94E 1119Z 11 MAR WATCH

CROATIA - DUBROVNIK 42.64N 18.10E 1056Z 11 MAR WATCH  
CROATIA - SOBRA 42.79N 17.62E 1109Z 11 MAR WATCH  
CROATIA - PALAGRUZA 42.39N 16.26E 1114Z 11 MAR WATCH  
CROATIA - VELA\_LUKA 42.96N 16.70E 1125Z 11 MAR WATCH  
CROATIA - STARI\_GRAD 43.18N 16.58E 1157Z 11 MAR WATCH  
CROATIA - SPLIT 43.50N 16.44E 1206Z 11 MAR WATCH  
CROATIA - ZIRJE 43.63N 15.69E 1211Z 11 MAR WATCH  
CROATIA - VELI\_RAT 44.15N 14.82E 1254Z 11 MAR WATCH  
CROATIA - MALJ\_LOSINJ 44.54N 14.43E 1333Z 11 MAR WATCH  
CROATIA - PULA 44.85N 13.82E 1413Z 11 MAR WATCH  
CROATIA - RIJEKA 45.34N 14.37E 1427Z 11 MAR WATCH  
CROATIA - POREC 45.22N 13.58E 1457Z 11 MAR WATCH  
MONTENEGRO - BAR 42.10N 19.06E 1104Z 11 MAR WATCH  
LEBANON - BEIRUT 33.92N 35.55E 1118Z 11 MAR WATCH  
LEBANON - BATROUN 34.25N 35.66E 1119Z 11 MAR WATCH  
LEBANON - TYRE 33.29N 35.20E 1119Z 11 MAR WATCH  
LEBANON - TRIPOLI\_LEB 34.48N 35.82E 1126Z 11 MAR WATCH  
SYRIA - TARTOUS 35.00N 35.50E 1120Z 11 MAR WATCH  
SYRIA - LATTAKIA 35.50N 35.50E 1126Z 11 MAR WATCH  
ISRAEL - NAHARIYA 33.01N 35.07E 1121Z 11 MAR WATCH  
ISRAEL - HAIFA 32.80N 34.94E 1123Z 11 MAR WATCH  
ISRAEL - HADERA 32.47N 34.86E 1127Z 11 MAR WATCH  
ISRAEL - TEL\_AVIV 32.08N 34.75E 1134Z 11 MAR WATCH  
ISRAEL - ASHDOD\_PORT 31.85N 34.65E 1134Z 11 MAR WATCH  
ISRAEL - ASHDOD\_M 31.83N 34.64E 1136Z 11 MAR WATCH  
ISRAEL - ASHKELON\_M 31.63N 34.49E 1137Z 11 MAR WATCH  
ISRAEL - ASHDOD 31.49N 34.38E 1140Z 11 MAR WATCH  
ISRAEL - ASHKELON 31.42N 34.33E 1143Z 11 MAR WATCH  
FRANCE - SOLENZARA 41.83N 9.40E 1136Z 11 MAR WATCH  
FRANCE - BASTIA 42.70N 9.45E 1151Z 11 MAR WATCH  
FRANCE - CENTURI 42.97N 9.35E 1211Z 11 MAR WATCH  
FRANCE - L\_ILE\_ROUSSE 42.64N 8.93E 1217Z 11 MAR WATCH  
FRANCE - AJACCIO 41.93N 8.78E 1221Z 11 MAR WATCH  
FRANCE - NICE 43.70N 7.27E 1226Z 11 MAR WATCH  
FRANCE - LA\_FIGUEIRETTE 43.48N 6.93E 1229Z 11 MAR WATCH  
FRANCE - CANNES 43.55N 7.03E 1230Z 11 MAR WATCH  
FRANCE - PORT\_FERREOL 43.36N 6.72E 1231Z 11 MAR WATCH  
FRANCE - TOULONE 43.11N 5.97E 1234Z 11 MAR WATCH  
FRANCE - PORT\_VENDRE 42.52N 3.11E 1249Z 11 MAR WATCH  
FRANCE - MARSEILLE 43.31N 5.38E 1251Z 11 MAR WATCH  
FRANCE - FOS\_SUR\_MER 43.40N 4.89E 1307Z 11 MAR WATCH  
FRANCE - PORT\_LA\_NOUVELLE 43.01N 3.04E 1319Z 11 MAR WATCH  
FRANCE - SETE 43.40N 3.69E 1321Z 11 MAR WATCH  
TUNISIA - BIZERTE 37.27N 9.91E 1150Z 11 MAR WATCH  
TUNISIA - TABARKA 36.98N 8.78E 1157Z 11 MAR WATCH  
TUNISIA - TUNISI 36.82N 10.33E 1219Z 11 MAR WATCH  
TUNISIA - SOUSSE 35.83N 10.67E 1222Z 11 MAR WATCH  
TUNISIA - ZARZIS 33.50N 11.14E 1306Z 11 MAR WATCH  
TUNISIA - SFAX 34.71N 10.79E 1401Z 11 MAR WATCH  
ALGERIA - ANNABA 36.90N 7.80E 1155Z 11 MAR WATCH  
ALGERIA - BEJAJA 36.74N 5.11E 1208Z 11 MAR WATCH  
ALGERIA - ALGIERS 36.77N 3.09E 1225Z 11 MAR WATCH  
ALGERIA - TENES 36.52N 1.29E 1239Z 11 MAR WATCH  
ALGERIA - ORAN 35.73N 0.64W 1305Z 11 MAR WATCH  
ALGERIA - GHAZAOUET 35.12N 1.87W 1330Z 11 MAR WATCH  
SPAIN - MAHON 39.89N 4.27E 1218Z 11 MAR WATCH  
SPAIN - LA\_MOLA\_DE\_MAHON 39.87N 4.31E 1221Z 11 MAR WATCH  
SPAIN - CIUTADELLA\_DE\_MENORCA 39.99N 3.83E 1229Z 11 MAR WATCH  
SPAIN - ALCUDIA 39.87N 3.12E 1240Z 11 MAR WATCH  
SPAIN - BARCELONA 41.39N 2.18E 1244Z 11 MAR WATCH  
SPAIN - FORMENTERA 38.73N 1.42E 1250Z 11 MAR WATCH  
SPAIN - IBIZA 38.91N 1.44E 1252Z 11 MAR WATCH  
SPAIN - PALMA\_DE\_MALLORCA 39.57N 2.65E 1254Z 11 MAR WATCH

SPAIN - TARRAGONA 41.12N 1.26E 1255Z 11 MAR WATCH  
SPAIN - CARTAGENA 37.61N 0.98W 1302Z 11 MAR WATCH  
SPAIN - MURCIA 37.60N 0.98W 1302Z 11 MAR WATCH  
SPAIN - CARBONERAS 36.97N 1.90W 1308Z 11 MAR WATCH  
SPAIN - ALICANTE 38.34N 0.48W 1315Z 11 MAR WATCH  
SPAIN - GANDIA 39.00N 0.15W 1323Z 11 MAR WATCH  
SPAIN - SAGUNTO 39.63N 0.21W 1324Z 11 MAR WATCH  
SPAIN - ALBORAN\_ISLAND 35.94N 3.03W 1324Z 11 MAR WATCH  
SPAIN - ALMERIA 36.84N 2.47W 1327Z 11 MAR WATCH  
SPAIN - VALENCIA 39.48N 0.38W 1329Z 11 MAR WATCH  
SPAIN - CASTELLON\_DE\_LA\_PLANA 39.99N 0.04W 1334Z 11 MAR WATCH  
SPAIN - MOTRIL 36.72N 3.52W 1334Z 11 MAR WATCH  
SPAIN - MELILLA 35.30N 2.94W 1341Z 11 MAR WATCH  
SPAIN - TARIFA 36.01N 5.60W 1352Z 11 MAR WATCH  
SPAIN - MALAGA 36.72N 4.42W 1354Z 11 MAR WATCH  
SPAIN - CEUTA 35.89N 5.32W 1356Z 11 MAR WATCH  
SPAIN - BONANZA2 36.80N 6.34W 1358Z 11 MAR WATCH  
SPAIN - HUELVA 37.13N 6.83W 1358Z 11 MAR WATCH  
SPAIN - ALGECIRAS 36.13N 5.45W 1358Z 11 MAR WATCH  
SPAIN - CADIZ 36.53N 6.28W 1358Z 11 MAR WATCH  
BOSNIA\_HERZEGOVINA - NEUM 42.92N 17.60E 1220Z 11 MAR WATCH  
MONACO - MONACO\_FONTVIEILLE 43.72N 7.45E 1226Z 11 MAR WATCH  
MONACO - MONTE\_CARLO 43.73N 7.43E 1226Z 11 MAR WATCH  
MOROCCO - SAIDIA\_MARINA 35.11N 2.29W 1335Z 11 MAR WATCH  
MOROCCO - EL\_HOCEIMA 35.24N 3.90W 1345Z 11 MAR WATCH  
MOROCCO - FNIDEQ 35.84N 5.33W 1356Z 11 MAR WATCH  
MOROCCO - RABAT 34.05N 6.86W 1400Z 11 MAR WATCH  
MOROCCO - TANGIER 35.80N 5.79W 1400Z 11 MAR WATCH  
UK - GIBRALTAR 36.13N 5.37W 1356Z 11 MAR WATCH  
SLOVENIA - KOPER 45.56N 13.71E 1548Z 11 MAR WATCH

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY  
GAUGE LOCATION LAT LON TIME AMPL PER

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GREECE - KAPSALI 36.14N 23.00E 0920Z 11 MAR 1.39M  
GREECE - KORONI 36.80N 21.96E 0920Z 11 MAR 0.94M  
LAT - LATITUDE (N-NORTH, S-SOUTH)  
LON - LONGITUDE (E-EAST, W-WEST)  
TIME - TIME OF THE MEASUREMENT (Z IS UTC TIME)  
AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL  
IT IS ..NOT.. CREST-TO-TROUGH WAVE HEIGHT.  
VALUES ARE GIVE N IN METERS (M)  
PER - PERIOD OF TIME IN MINUTES (MIN) FROM WAVE TO THE NEXT.

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND  
EVALUATION ALLOWS.

**T(n6): 09:35 UTC (Dissemination of the 3rd message)**

TSUNAMI MESSAGE NUMBER 003  
NEAM INGV IT-NTWC TSUNAMI SERVICE PROVIDER  
ISSUED AT 0935Z 11 MAR 2026

... TSUNAMI WATCH ONGOING ...  
THIS ALERT APPLIES TO ALBANIA ... ALGERIA ... BOSNIA\_HERZEGOVINA ...  
CROATIA ... CYPRUS ... EGYPT ... FRANCE ... GREECE ... ISRAEL ...  
ITALY ... LEBANON ... LIBYA ... MALTA ... MONACO ... MONTENEGRO ...  
MOROCCO ... SLOVENIA ... SPAIN ... SYRIA ... TUNISIA ... TURKIYE ...  
UK

THIS ALERT IS ADDRESSED TO ALL COUNTRIES AND INSTITUTIONS SUBSCRIBED  
TO THE SERVICES OF INGV IT-NTWC TSUNAMI SERVICE PROVIDER IN ITS MONITORING AREA

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY

NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0910Z 11 MAR 2026  
COORDINATES - 36.40 NORTH 22.20 EAST  
DEPTH - 20 KM  
LOCATION - TEST  
MAGNITUDE - 7.9

ALERT LEVEL IS ASSIGNED ACCORDING TO THE ABOVE ESTIMATIONS OF EARTHQUAKE PARAMETERS AND BASED ON THE MODIFIED ICG/NEAMTWS DECISION MATRIX

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED. THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

HOWEVER, AT SOME COASTS, PARTICULARLY THOSE NEAR THE EPICENTER, HIGHER TSUNAMIS MAY ARRIVE THAN OUR ESTIMATION. AUTHORITIES SHOULD BE AWARE OF THIS POSSIBILITY.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR. LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL (ADIVOSRY, WATCH)

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GREECE - KIPARISSIA 37.26N 21.66E 0916Z 11 MAR WATCH  
GREECE - KITHERA\_KAPSALI 36.14N 23.00E 0916Z 11 MAR WATCH  
GREECE - MONEMVASIA 36.68N 23.04E 0917Z 11 MAR WATCH  
GREECE - KAPSALI 36.14N 23.00E 0917Z 11 MAR WATCH  
GREECE - PALEOCHORA 35.22N 23.68E 0922Z 11 MAR WATCH  
GREECE - KORONI 36.80N 21.96E 0925Z 11 MAR WATCH  
GREECE - KATAKOLO 37.64N 21.32E 0925Z 11 MAR WATCH  
GREECE - CHORA\_SFAKION 35.20N 24.13E 0926Z 11 MAR WATCH  
GREECE - KALAMATA 37.02N 22.11E 0927Z 11 MAR WATCH  
GREECE - ZAKINTHOS 37.78N 20.91E 0928Z 11 MAR WATCH  
GREECE - GITHEION 36.77N 22.57E 0929Z 11 MAR WATCH  
GREECE - KASTELI 35.51N 23.64E 0930Z 11 MAR WATCH  
GREECE - GAVDOS\_KARAVE 34.85N 24.12E 0932Z 11 MAR WATCH  
GREECE - CHANIA 35.52N 24.02E 0935Z 11 MAR WATCH  
GREECE - RETHIMNON 35.38N 24.47E 0938Z 11 MAR WATCH  
GREECE - MILOS\_ADAMAS 36.72N 24.45E 0940Z 11 MAR WATCH  
GREECE - CEPHALONNIA\_ARGOSTOLI 38.19N 20.48E 0942Z 11 MAR WATCH  
GREECE - HAKRALEIO 35.35N 25.15E 0946Z 11 MAR WATCH  
GREECE - SANTORINI\_ORMOS\_FIRON 36.42N 25.42E 0949Z 11 MAR WATCH  
GREECE - PREVEZA 38.95N 20.73E 0950Z 11 MAR WATCH  
GREECE - KERKIRA\_PELEKAS 39.59N 19.81E 0951Z 11 MAR WATCH  
GREECE - SANTORINI\_PORI 36.46N 25.43E 0952Z 11 MAR WATCH  
GREECE - IERAPETRA 35.01N 25.74E 0953Z 11 MAR WATCH  
GREECE - PEIRAIAS 37.93N 23.62E 0955Z 11 MAR WATCH  
GREECE - SITEIA 35.23N 26.11E 0957Z 11 MAR WATCH

GREECE - KARPATOS\_MESOCHORI 35.63N 27.09E 0958Z 11 MAR WATCH  
GREECE - KASOS 35.42N 26.92E 1001Z 11 MAR WATCH  
GREECE - SYROS 37.44N 24.94E 1002Z 11 MAR WATCH  
GREECE - SIROS\_ERMOUPOLI 37.44N 24.95E 1002Z 11 MAR WATCH  
GREECE - AGIOS\_NIKOLAOS 35.21N 25.72E 1002Z 11 MAR WATCH  
GREECE - IGOUMENITSA 39.51N 20.22E 1005Z 11 MAR WATCH  
GREECE - TINOS 37.53N 25.16E 1006Z 11 MAR WATCH  
GREECE - AMORGOS\_KATAPOLA 36.83N 25.86E 1006Z 11 MAR WATCH  
GREECE - ANDROS 37.84N 24.94E 1011Z 11 MAR WATCH  
GREECE - KALOGEROI 38.15N 25.29E 1012Z 11 MAR WATCH  
GREECE - NAXOS\_CHORA 37.11N 25.37E 1013Z 11 MAR WATCH  
GREECE - PLIMIRI 35.93N 27.86E 1015Z 11 MAR WATCH  
GREECE - MIKONOS\_CHORA 37.45N 25.32E 1015Z 11 MAR WATCH  
GREECE - KOS\_KEFALOS 36.74N 26.98E 1015Z 11 MAR WATCH  
GREECE - PATRA 38.25N 21.73E 1016Z 11 MAR WATCH  
GREECE - RHODOS\_LINDOS 36.09N 28.09E 1016Z 11 MAR WATCH  
GREECE - KALATHOS 36.11N 28.07E 1018Z 11 MAR WATCH  
GREECE - KALIMNOS\_PANORMOS 36.97N 26.93E 1020Z 11 MAR WATCH  
GREECE - KERKYRA\_IMEROLIA 39.79N 19.91E 1022Z 11 MAR WATCH  
GREECE - RHODOS\_TOWN 36.46N 28.21E 1023Z 11 MAR WATCH  
GREECE - KASTELORIZO\_MEGISTI 36.15N 29.59E 1023Z 11 MAR WATCH  
GREECE - IKARIA\_AGIOS\_KIRIKOS 37.61N 26.30E 1025Z 11 MAR WATCH  
GREECE - CHIOS\_VOLLISOS 38.47N 25.92E 1027Z 11 MAR WATCH  
GREECE - KOS 36.90N 27.29E 1029Z 11 MAR WATCH  
GREECE - KOS\_MARINA 36.89N 27.30E 1029Z 11 MAR WATCH  
GREECE - EVIA\_KIMI 38.62N 24.13E 1030Z 11 MAR WATCH  
GREECE - SAMOS\_KARLOVASI 37.80N 26.68E 1034Z 11 MAR WATCH  
GREECE - AIGIO 38.26N 22.08E 1034Z 11 MAR WATCH  
GREECE - PANORMOS 38.36N 22.25E 1039Z 11 MAR WATCH  
GREECE - SKIATHOS 39.16N 23.49E 1042Z 11 MAR WATCH  
GREECE - PLOMARI 38.97N 26.37E 1043Z 11 MAR WATCH  
GREECE - LESVOS\_SIGRI 39.21N 25.84E 1046Z 11 MAR WATCH  
GREECE - ITEA 38.43N 22.42E 1049Z 11 MAR WATCH  
GREECE - CORINTH 37.95N 22.94E 1053Z 11 MAR WATCH  
GREECE - LESVOS\_MOLIVOS 39.37N 26.17E 1056Z 11 MAR WATCH  
GREECE - LIMNOS\_MIRINA 39.87N 25.05E 1057Z 11 MAR WATCH  
GREECE - LESVOS\_MITILINI 39.10N 26.57E 1105Z 11 MAR WATCH  
GREECE - SAMOTHRAKI 40.48N 25.47E 1114Z 11 MAR WATCH  
GREECE - VOLOS 39.35N 22.95E 1120Z 11 MAR WATCH  
GREECE - THASSOS 40.78N 24.71E 1128Z 11 MAR WATCH  
GREECE - KATERINI 40.26N 22.60E 1141Z 11 MAR WATCH  
GREECE - THESSALONIKI 40.63N 22.91E 1211Z 11 MAR WATCH  
ITALY - TSUNAMI\_BUOY\_INGV\_01 36.82N 16.49E 0947Z 11 MAR WATCH  
ITALY - CROTONE 39.08N 17.13E 0958Z 11 MAR WATCH  
ITALY - LE\_CASTELLA 38.91N 17.03E 0958Z 11 MAR WATCH  
ITALY - SIDERNO 38.27N 16.30E 0959Z 11 MAR WATCH  
ITALY - CATANIA\_CALIPSO 37.55N 15.40E 0959Z 11 MAR WATCH  
ITALY - ROCCELLA\_JONICA 38.33N 16.43E 1000Z 11 MAR WATCH  
ITALY - CATANZARO 38.83N 16.63E 1000Z 11 MAR WATCH  
ITALY - SIRACUSA 37.22N 15.23E 1002Z 11 MAR WATCH  
ITALY - CATA 37.49N 15.14E 1003Z 11 MAR WATCH  
ITALY - CATANIA 37.50N 15.09E 1005Z 11 MAR WATCH  
ITALY - REGGIO\_CALABRIA 38.12N 15.65E 1005Z 11 MAR WATCH  
ITALY - MESSINA 38.20N 15.56E 1007Z 11 MAR WATCH  
ITALY - PORTOPALO 36.67N 15.12E 1009Z 11 MAR WATCH  
ITALY - GALLIPOLI 40.05N 17.97E 1010Z 11 MAR WATCH  
ITALY - LAGHI\_DI\_SIBARI 39.73N 16.52E 1012Z 11 MAR WATCH  
ITALY - OTRANTO 40.15N 18.50E 1014Z 11 MAR WATCH  
ITALY - POLICORO\_LIDO 40.19N 16.72E 1016Z 11 MAR WATCH  
ITALY - TARANTO 40.48N 17.22E 1018Z 11 MAR WATCH  
ITALY - STROMBOLICCHIO 38.82N 15.25E 1026Z 11 MAR WATCH  
ITALY - GINOSTRA 38.78N 15.19E 1026Z 11 MAR WATCH  
ITALY - PANAREA 38.64N 15.11E 1026Z 11 MAR WATCH

ITALY - LIPARI 38.52N 14.96E 1027Z 11 MAR WATCH  
ITALY - MILAZZO 38.21N 15.27E 1028Z 11 MAR WATCH  
ITALY - VIBO\_MARINA 38.72N 16.13E 1033Z 11 MAR WATCH  
ITALY - BRINDISI 40.66N 18.00E 1034Z 11 MAR WATCH  
ITALY - CETRARO 39.50N 15.95E 1042Z 11 MAR WATCH  
ITALY - MONOPOLI 40.96N 17.31E 1044Z 11 MAR WATCH  
ITALY - USTICA 38.70N 13.18E 1045Z 11 MAR WATCH  
ITALY - MARATEA 39.99N 15.71E 1046Z 11 MAR WATCH  
ITALY - PALINURO 40.03N 15.28E 1048Z 11 MAR WATCH  
ITALY - PALERMO 38.12N 13.37E 1049Z 11 MAR WATCH  
ITALY - BARI 41.14N 16.87E 1054Z 11 MAR WATCH  
ITALY - PONZA 40.90N 12.97E 1100Z 11 MAR WATCH  
ITALY - NAPOLI 40.84N 14.27E 1103Z 11 MAR WATCH  
ITALY - MARETTIMO 37.97N 12.08E 1104Z 11 MAR WATCH  
ITALY - SALERNO 40.68N 14.75E 1104Z 11 MAR WATCH  
ITALY - GELA 37.06N 14.23E 1108Z 11 MAR WATCH  
ITALY - PANTELLERIA\_SCAURI 36.77N 11.96E 1113Z 11 MAR WATCH  
ITALY - GAETA 41.21N 13.59E 1114Z 11 MAR WATCH  
ITALY - PANTELLERIA 36.83N 11.94E 1114Z 11 MAR WATCH  
ITALY - LAMPEDUSA 35.50N 12.60E 1117Z 11 MAR WATCH  
ITALY - PORTO\_EMPEDOCLE 37.29N 13.53E 1119Z 11 MAR WATCH  
ITALY - VIESTE 41.89N 16.18E 1121Z 11 MAR WATCH  
ITALY - OROSEI 40.44N 9.78E 1123Z 11 MAR WATCH  
ITALY - ANZIO 41.45N 12.63E 1124Z 11 MAR WATCH  
ITALY - SCIACCA 37.50N 13.08E 1125Z 11 MAR WATCH  
ITALY - FIUMICINO 41.77N 12.21E 1127Z 11 MAR WATCH  
ITALY - BARLETTA 41.33N 16.30E 1127Z 11 MAR WATCH  
ITALY - CIVITAVECCHIA 42.09N 11.79E 1129Z 11 MAR WATCH  
ITALY - MAZARA\_DEL\_VALLO 37.64N 12.58E 1136Z 11 MAR WATCH  
ITALY - MARINA\_DI\_TEULADA 38.93N 8.72E 1142Z 11 MAR WATCH  
ITALY - CAGLIARI 39.21N 9.11E 1142Z 11 MAR WATCH  
ITALY - TREMITI 42.12N 15.50E 1144Z 11 MAR WATCH  
ITALY - SANTA\_TERESA\_DI\_GALLURA 41.25N 9.19E 1148Z 11 MAR WATCH  
ITALY - MARINA\_DI\_GROSSETO 42.72N 10.98E 1154Z 11 MAR WATCH  
ITALY - MARINA\_DI\_CAMPO 42.74N 10.24E 1159Z 11 MAR WATCH  
ITALY - PIOMBINO 42.92N 10.53E 1200Z 11 MAR WATCH  
ITALY - CARLOFORTE 39.15N 8.31E 1203Z 11 MAR WATCH  
ITALY - TERMOLI 42.00N 15.01E 1213Z 11 MAR WATCH  
ITALY - ORISTANO 39.86N 8.44E 1216Z 11 MAR WATCH  
ITALY - ALGHERO 40.54N 8.32E 1220Z 11 MAR WATCH  
ITALY - IMPERIA 43.88N 8.02E 1226Z 11 MAR WATCH  
ITALY - GENOVA 44.41N 8.93E 1227Z 11 MAR WATCH  
ITALY - ORTONA 42.36N 14.41E 1228Z 11 MAR WATCH  
ITALY - LIVORNO 43.55N 10.30E 1228Z 11 MAR WATCH  
ITALY - PORTO\_TORRES 40.84N 8.40E 1229Z 11 MAR WATCH  
ITALY - LA\_SPEZIA 44.10N 9.86E 1240Z 11 MAR WATCH  
ITALY - SAN\_BENEDETTO\_DEL\_TRONTO 42.96N 13.89E 1254Z 11 MAR WATCH  
ITALY - ANCONA 43.62N 13.51E 1329Z 11 MAR WATCH  
ITALY - CESENATICO 44.18N 12.42E 1454Z 11 MAR WATCH  
ITALY - RAVENNA 44.49N 12.28E 1510Z 11 MAR WATCH  
ITALY - CHIOGGIA 45.21N 12.30E 1547Z 11 MAR WATCH  
ITALY - TRIESTE 45.65N 13.76E 1556Z 11 MAR WATCH  
ITALY - VENEZIA 45.42N 12.43E 1603Z 11 MAR WATCH  
LIBYA - DERNA 32.77N 22.67E 0958Z 11 MAR WATCH  
LIBYA - TUBRUQ 32.06N 23.99E 1011Z 11 MAR WATCH  
LIBYA - BENGHAZI 32.14N 20.04E 1012Z 11 MAR WATCH  
LIBYA - MISRATA 32.38N 15.24E 1040Z 11 MAR WATCH  
LIBYA - SIRTE 31.23N 16.59E 1047Z 11 MAR WATCH  
LIBYA - MARSА\_AL\_BREGA 30.43N 19.59E 1047Z 11 MAR WATCH  
LIBYA - TRIPOLI\_LIB 32.94N 13.21E 1119Z 11 MAR WATCH  
LIBYA - ZUWARA 32.95N 12.09E 1200Z 11 MAR WATCH  
EGYPT - MERSA\_MATRUH 31.39N 27.24E 1016Z 11 MAR WATCH  
EGYPT - EL\_SALLOUM 31.55N 25.19E 1020Z 11 MAR WATCH

EGYPT - ALEXANDRIA 31.21N 29.92E 1052Z 11 MAR WATCH  
EGYPT - RAS\_EL\_BAR 31.53N 31.83E 1140Z 11 MAR WATCH  
EGYPT - PORT\_SAID 31.29N 32.31E 1208Z 11 MAR WATCH  
TURKIYE - MUGLA\_DALAMAN 36.69N 28.78E 1024Z 11 MAR WATCH  
TURKIYE - ANTALYA\_KAS 36.18N 29.62E 1025Z 11 MAR WATCH  
TURKIYE - ANTALYA 36.20N 29.64E 1025Z 11 MAR WATCH  
TURKIYE - ANTALYA\_FINIKE 36.29N 30.15E 1030Z 11 MAR WATCH  
TURKIYE - MUGLA\_FETHIYE 36.66N 29.11E 1031Z 11 MAR WATCH  
TURKIYE - FETHYE 36.62N 29.09E 1031Z 11 MAR WATCH  
TURKIYE - MUGLA\_BODRUM\_M 37.03N 27.42E 1033Z 11 MAR WATCH  
TURKIYE - MUGLA\_AKSAZ\_M 36.84N 28.40E 1039Z 11 MAR WATCH  
TURKIYE - MARMARIS 36.84N 28.39E 1039Z 11 MAR WATCH  
TURKIYE - IZMIR\_ALACATI 38.25N 26.39E 1042Z 11 MAR WATCH  
TURKIYE - ANTALYA\_M 36.83N 30.61E 1043Z 11 MAR WATCH  
TURKIYE - ANTALYA\_ALANYA 36.55N 31.98E 1046Z 11 MAR WATCH  
TURKIYE - AYDIN\_DIDIM 37.35N 27.28E 1048Z 11 MAR WATCH  
TURKIYE - AYDIN\_KUSADASI 37.87N 27.26E 1054Z 11 MAR WATCH  
TURKIYE - MERSIN\_BOZYAZI\_M 36.10N 32.94E 1100Z 11 MAR WATCH  
TURKIYE - IZMIR\_ALIAGA 38.83N 26.94E 1107Z 11 MAR WATCH  
TURKIYE - CANAKKALE\_GOKCEADA\_M 40.23N 25.89E 1114Z 11 MAR WATCH  
TURKIYE - IZMIR\_MENTES 38.43N 26.72E 1116Z 11 MAR WATCH  
TURKIYE - CANAKKALE\_BOZCAADA 39.84N 26.08E 1119Z 11 MAR WATCH  
TURKIYE - MERSIN\_TASUCU 36.28N 33.84E 1122Z 11 MAR WATCH  
TURKIYE - BALIKESIR\_AYVALIK 39.31N 26.69E 1124Z 11 MAR WATCH  
TURKIYE - MERSIN\_ERDEMLI\_M 36.56N 34.26E 1129Z 11 MAR WATCH  
TURKIYE - EDIRNE\_ENEZ 40.71N 26.05E 1139Z 11 MAR WATCH  
TURKIYE - IZMIR\_ALSANCAK 38.44N 27.14E 1150Z 11 MAR WATCH  
TURKIYE - HATAY\_ISKENDERUN\_M 36.59N 36.18E 1222Z 11 MAR WATCH  
TURKIYE - ADANA\_YUMURTALIK 36.91N 35.98E 1230Z 11 MAR WATCH  
TURKIYE - MARMARA 40.97N 27.96E 1311Z 11 MAR WATCH  
TURKIYE - YALOVA 40.66N 29.28E 1330Z 11 MAR WATCH  
TURKIYE - ERDEK 40.39N 27.85E 1332Z 11 MAR WATCH  
ALBANIA - SARANDE 39.85N 20.00E 1024Z 11 MAR WATCH  
ALBANIA - VLORE 40.44N 19.48E 1026Z 11 MAR WATCH  
ALBANIA - DURRES 41.29N 19.46E 1058Z 11 MAR WATCH  
MALTA - MARSAXLOKK 35.83N 14.55E 1036Z 11 MAR WATCH  
MALTA - PORTOMASO 35.92N 14.49E 1045Z 11 MAR WATCH  
MALTA - MALTA 35.99N 14.33E 1045Z 11 MAR WATCH  
CYPRUS - PAFOS 34.77N 32.42E 1047Z 11 MAR WATCH  
CYPRUS - POLIS 35.03N 32.43E 1050Z 11 MAR WATCH  
CYPRUS - MORFOU 35.20N 32.99E 1059Z 11 MAR WATCH  
CYPRUS - LEMESOS 34.68N 33.03E 1059Z 11 MAR WATCH  
CYPRUS - VASILIKO 34.72N 33.32E 1101Z 11 MAR WATCH  
CYPRUS - KERYNEIA 35.33N 33.32E 1102Z 11 MAR WATCH  
CYPRUS - LARNAKA 34.92N 33.62E 1107Z 11 MAR WATCH  
CYPRUS - PARALIMNI 35.04N 34.04E 1115Z 11 MAR WATCH  
CYPRUS - AMMOCHOSTOS 35.11N 33.94E 1119Z 11 MAR WATCH  
CROATIA - DUBROVNIK 42.64N 18.10E 1056Z 11 MAR WATCH  
CROATIA - SOBRA 42.79N 17.62E 1109Z 11 MAR WATCH  
CROATIA - PALAGRUZA 42.39N 16.26E 1114Z 11 MAR WATCH  
CROATIA - VELA\_LUKA 42.96N 16.70E 1125Z 11 MAR WATCH  
CROATIA - STARI\_GRAD 43.18N 16.58E 1157Z 11 MAR WATCH  
CROATIA - SPLIT 43.50N 16.44E 1206Z 11 MAR WATCH  
CROATIA - ZIRJE 43.63N 15.69E 1211Z 11 MAR WATCH  
CROATIA - VELI\_RAT 44.15N 14.82E 1254Z 11 MAR WATCH  
CROATIA - MALI\_LOSINJ 44.54N 14.43E 1333Z 11 MAR WATCH  
CROATIA - PULA 44.85N 13.82E 1413Z 11 MAR WATCH  
CROATIA - RIJEKA 45.34N 14.37E 1427Z 11 MAR WATCH  
CROATIA - POREC 45.22N 13.58E 1457Z 11 MAR WATCH  
MONTENEGRO - BAR 42.10N 19.06E 1104Z 11 MAR WATCH  
LEBANON - BEIRUT 33.92N 35.55E 1118Z 11 MAR WATCH  
LEBANON - BATROUN 34.25N 35.66E 1119Z 11 MAR WATCH  
LEBANON - TYRE 33.29N 35.20E 1119Z 11 MAR WATCH

LEBANON - TRIPOLI\_LEB 34.48N 35.82E 1126Z 11 MAR WATCH  
SYRIA - TARTOUS 35.00N 35.50E 1120Z 11 MAR WATCH  
SYRIA - LATTAKIA 35.50N 35.50E 1126Z 11 MAR WATCH  
ISRAEL - NAHARIYA 33.01N 35.07E 1121Z 11 MAR WATCH  
ISRAEL - HAIFA 32.80N 34.94E 1123Z 11 MAR WATCH  
ISRAEL - HADERA 32.47N 34.86E 1127Z 11 MAR WATCH  
ISRAEL - TEL\_AVIV 32.08N 34.75E 1134Z 11 MAR WATCH  
ISRAEL - ASHDOD\_PORT 31.85N 34.65E 1134Z 11 MAR WATCH  
ISRAEL - ASHDOD\_M 31.83N 34.64E 1136Z 11 MAR WATCH  
ISRAEL - ASHKELON\_M 31.63N 34.49E 1137Z 11 MAR WATCH  
ISRAEL - ASHDOD 31.49N 34.38E 1140Z 11 MAR WATCH  
ISRAEL - ASHKELON 31.42N 34.33E 1143Z 11 MAR WATCH  
FRANCE - SOLENZARA 41.83N 9.40E 1136Z 11 MAR WATCH  
FRANCE - BASTIA 42.70N 9.45E 1151Z 11 MAR WATCH  
FRANCE - CENTURI 42.97N 9.35E 1211Z 11 MAR WATCH  
FRANCE - L\_ILE\_ROUSSE 42.64N 8.93E 1217Z 11 MAR WATCH  
FRANCE - AJACCIO 41.93N 8.78E 1221Z 11 MAR WATCH  
FRANCE - NICE 43.70N 7.27E 1226Z 11 MAR WATCH  
FRANCE - LA\_FIGUEIRETTE 43.48N 6.93E 1229Z 11 MAR WATCH  
FRANCE - CANNES 43.55N 7.03E 1230Z 11 MAR WATCH  
FRANCE - PORT\_FERREOL 43.36N 6.72E 1231Z 11 MAR WATCH  
FRANCE - TOULONE 43.11N 5.97E 1234Z 11 MAR WATCH  
FRANCE - PORT\_VENDRE 42.52N 3.11E 1249Z 11 MAR WATCH  
FRANCE - MARSEILLE 43.31N 5.38E 1251Z 11 MAR WATCH  
FRANCE - FOS\_SUR\_MER 43.40N 4.89E 1307Z 11 MAR WATCH  
FRANCE - PORT\_LA\_NOUVELLE 43.01N 3.04E 1319Z 11 MAR WATCH  
FRANCE - SETE 43.40N 3.69E 1321Z 11 MAR WATCH  
TUNISIA - BIZERTE 37.27N 9.91E 1150Z 11 MAR WATCH  
TUNISIA - TABARKA 36.98N 8.78E 1157Z 11 MAR WATCH  
TUNISIA - TUNISI 36.82N 10.33E 1219Z 11 MAR WATCH  
TUNISIA - SOUSSE 35.83N 10.67E 1222Z 11 MAR WATCH  
TUNISIA - ZARZIS 33.50N 11.14E 1306Z 11 MAR WATCH  
TUNISIA - SFAX 34.71N 10.79E 1401Z 11 MAR WATCH  
ALGERIA - ANNABA 36.90N 7.80E 1155Z 11 MAR WATCH  
ALGERIA - BEJAIA 36.74N 5.11E 1208Z 11 MAR WATCH  
ALGERIA - ALGIERS 36.77N 3.09E 1225Z 11 MAR WATCH  
ALGERIA - TENES 36.52N 1.29E 1239Z 11 MAR WATCH  
ALGERIA - ORAN 35.73N 0.64W 1305Z 11 MAR WATCH  
ALGERIA - GHAZAOUET 35.12N 1.87W 1330Z 11 MAR WATCH  
SPAIN - MAHON 39.89N 4.27E 1218Z 11 MAR WATCH  
SPAIN - LA\_MOLA\_DE\_MAHON 39.87N 4.31E 1221Z 11 MAR WATCH  
SPAIN - CIUTADELLA\_DE\_MENORCA 39.99N 3.83E 1229Z 11 MAR WATCH  
SPAIN - ALCUDIA 39.87N 3.12E 1240Z 11 MAR WATCH  
SPAIN - BARCELONA 41.39N 2.18E 1244Z 11 MAR WATCH  
SPAIN - FORMENTERA 38.73N 1.42E 1250Z 11 MAR WATCH  
SPAIN - IBIZA 38.91N 1.44E 1252Z 11 MAR WATCH  
SPAIN - PALMA\_DE\_MALLORCA 39.57N 2.65E 1254Z 11 MAR WATCH  
SPAIN - TARRAGONA 41.12N 1.26E 1255Z 11 MAR WATCH  
SPAIN - CARTAGENA 37.61N 0.98W 1302Z 11 MAR WATCH  
SPAIN - MURCIA 37.60N 0.98W 1302Z 11 MAR WATCH  
SPAIN - CARBONERAS 36.97N 1.90W 1308Z 11 MAR WATCH  
SPAIN - ALICANTE 38.34N 0.48W 1315Z 11 MAR WATCH  
SPAIN - GANDIA 39.00N 0.15W 1323Z 11 MAR WATCH  
SPAIN - SAGUNTO 39.63N 0.21W 1324Z 11 MAR WATCH  
SPAIN - ALBORAN\_ISLAND 35.94N 3.03W 1324Z 11 MAR WATCH  
SPAIN - ALMERIA 36.84N 2.47W 1327Z 11 MAR WATCH  
SPAIN - VALENCIA 39.48N 0.38W 1329Z 11 MAR WATCH  
SPAIN - CASTELLON\_DE\_LA\_PLANA 39.99N 0.04W 1334Z 11 MAR WATCH  
SPAIN - MOTRIL 36.72N 3.52W 1334Z 11 MAR WATCH  
SPAIN - MELILLA 35.30N 2.94W 1341Z 11 MAR WATCH  
SPAIN - TARIFA 36.01N 5.60W 1352Z 11 MAR WATCH  
SPAIN - MALAGA 36.72N 4.42W 1354Z 11 MAR WATCH  
SPAIN - CEUTA 35.89N 5.32W 1356Z 11 MAR WATCH

SPAIN - BONANZA2 36.80N 6.34W 1358Z 11 MAR WATCH  
SPAIN - HUELVA 37.13N 6.83W 1358Z 11 MAR WATCH  
SPAIN - ALGECIRAS 36.13N 5.45W 1358Z 11 MAR WATCH  
SPAIN - CADIZ 36.53N 6.28W 1358Z 11 MAR WATCH  
BOSNIA\_HERZEGOVINA - NEUM 42.92N 17.60E 1220Z 11 MAR WATCH  
MONACO - MONACO\_FONTVIEILLE 43.72N 7.45E 1226Z 11 MAR WATCH  
MONACO - MONTE\_CARLO 43.73N 7.43E 1226Z 11 MAR WATCH  
MOROCCO - SAIDIA\_MARINA 35.11N 2.29W 1335Z 11 MAR WATCH  
MOROCCO - EL\_HOCEIMA 35.24N 3.90W 1345Z 11 MAR WATCH  
MOROCCO - FNIDEQ 35.84N 5.33W 1356Z 11 MAR WATCH  
MOROCCO - RABAT 34.05N 6.86W 1400Z 11 MAR WATCH  
MOROCCO - TANGIER 35.80N 5.79W 1400Z 11 MAR WATCH  
UK - GIBRALTAR 36.13N 5.37W 1356Z 11 MAR WATCH  
SLOVENIA - KOPER 45.56N 13.71E 1548Z 11 MAR WATCH

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY  
GAUGE LOCATION LAT LON TIME AMPL PER

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GREECE - KAPSALI 36.14N 23.00E 0920Z 11 MAR 4.07M  
GREECE - KORONI 36.80N 21.96E 0923Z 11 MAR 3.55M  
GREECE - PALEOCHORA 35.22N 23.68E 0927Z 11 MAR 0.59M  
GREECE - KATAKOLO 37.64N 21.32E 0930Z 11 MAR 0.44M  
GREECE - KALAMATA 37.02N 22.11E 0928Z 11 MAR 5.21M  
LAT - LATITUDE (N-NORTH, S-SOUTH)  
LON - LONGITUDE (E-EAST, W-WEST)  
TIME - TIME OF THE MEASUREMENT (Z IS UTC TIME)  
AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL  
IT IS ..NOT.. CREST-TO-TROUGH WAVE HEIGHT.  
VALUES ARE GIVE N IN METERS (M)  
PER - PERIOD OF TIME IN MINUTES (MIN) FROM WAVE TO THE NEXT.

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND  
EVALUATION ALLOWS.

**T(n8): 10:00 UTC (Dissemination of the 4th message)**

TSUNAMI MESSAGE NUMBER 004  
NEAM INGV IT-NTWC TSUNAMI SERVICE PROVIDER  
ISSUED AT 1000Z 11 MAR 2026

... TSUNAMI WATCH ONGOING ...  
THIS ALERT APPLIES TO ALBANIA ... ALGERIA ... BOSNIA\_HERZEGOVINA ...  
CROATIA ... CYPRUS ... EGYPT ... FRANCE ... GREECE ... ISRAEL ...  
ITALY ... LEBANON ... LIBYA ... MALTA ... MONACO ... MONTENEGRO ...  
MOROCCO ... SLOVENIA ... SPAIN ... SYRIA ... TUNISIA ... TURKIYE ...  
UK

THIS ALERT IS ADDRESSED TO ALL COUNTRIES AND INSTITUTIONS SUBSCRIBED  
TO THE SERVICES OF INGV IT-NTWC TSUNAMI SERVICE PROVIDER IN ITS MONITORING AREA

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY  
NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE  
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY  
ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0910Z 11 MAR 2026  
COORDINATES - 36.40 NORTH 22.20 EAST  
DEPTH - 20 KM  
LOCATION - TEST  
MAGNITUDE - 7.9

ALERT LEVEL IS ASSIGNED ACCORDING TO THE ABOVE ESTIMATIONS OF  
EARTHQUAKE PARAMETERS AND BASED ON THE MODIFIED ICG/NEAMTWS DECISION MATRIX

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY.

A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

HOWEVER, AT SOME COASTS, PARTICULARLY THOSE NEAR THE EPICENTER, HIGHER TSUNAMIS MAY ARRIVE THAN OUR ESTIMATION. AUTHORITIES SHOULD BE AWARE OF THIS POSSIBILITY.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR. LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL (ADVISORY, WATCH)

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GREECE - KIPARISSIA 37.26N 21.66E 0916Z 11 MAR WATCH  
GREECE - KITHERA\_KAPSALI 36.14N 23.00E 0916Z 11 MAR WATCH  
GREECE - MONEMVASIA 36.68N 23.04E 0917Z 11 MAR WATCH  
GREECE - KAPSALI 36.14N 23.00E 0917Z 11 MAR WATCH  
GREECE - PALEOCHORA 35.22N 23.68E 0922Z 11 MAR WATCH  
GREECE - KORONI 36.80N 21.96E 0925Z 11 MAR WATCH  
GREECE - KATAKOLO 37.64N 21.32E 0925Z 11 MAR WATCH  
GREECE - CHORA\_SFAKION 35.20N 24.13E 0926Z 11 MAR WATCH  
GREECE - KALAMATA 37.02N 22.11E 0927Z 11 MAR WATCH  
GREECE - ZAKINTHOS 37.78N 20.91E 0928Z 11 MAR WATCH  
GREECE - GITHEION 36.77N 22.57E 0929Z 11 MAR WATCH  
GREECE - KASTELI 35.51N 23.64E 0930Z 11 MAR WATCH  
GREECE - GAVDOS\_KARAVE 34.85N 24.12E 0932Z 11 MAR WATCH  
GREECE - CHANIA 35.52N 24.02E 0935Z 11 MAR WATCH  
GREECE - RETHIMNON 35.38N 24.47E 0938Z 11 MAR WATCH  
GREECE - MILOS\_ADAMAS 36.72N 24.45E 0940Z 11 MAR WATCH  
GREECE - CEPHALONNIA\_ARGOSTOLI 38.19N 20.48E 0942Z 11 MAR WATCH  
GREECE - HARAKLEIO 35.35N 25.15E 0946Z 11 MAR WATCH  
GREECE - SANTORINI\_ORMOS\_FIRON 36.42N 25.42E 0949Z 11 MAR WATCH  
GREECE - PREVEZA 38.95N 20.73E 0950Z 11 MAR WATCH  
GREECE - KERKIRA\_PELEKAS 39.59N 19.81E 0951Z 11 MAR WATCH  
GREECE - SANTORINI\_PORI 36.46N 25.43E 0952Z 11 MAR WATCH  
GREECE - IERAPETRA 35.01N 25.74E 0953Z 11 MAR WATCH  
GREECE - PEIRAIAS 37.93N 23.62E 0955Z 11 MAR WATCH  
GREECE - SITEIA 35.23N 26.11E 0957Z 11 MAR WATCH  
GREECE - KARPATOS\_MESOCHORI 35.63N 27.09E 0958Z 11 MAR WATCH  
GREECE - KASOS 35.42N 26.92E 1001Z 11 MAR WATCH  
GREECE - SYROS 37.44N 24.94E 1002Z 11 MAR WATCH  
GREECE - SIROS\_ERMOUPOLI 37.44N 24.95E 1002Z 11 MAR WATCH  
GREECE - AGIOS\_NIKOLAOS 35.21N 25.72E 1002Z 11 MAR WATCH  
GREECE - IGOUMENITSA 39.51N 20.22E 1005Z 11 MAR WATCH  
GREECE - TINOS 37.53N 25.16E 1006Z 11 MAR WATCH  
GREECE - AMORGOS\_KATAPOLA 36.83N 25.86E 1006Z 11 MAR WATCH  
GREECE - ANDROS 37.84N 24.94E 1011Z 11 MAR WATCH  
GREECE - KALOGEROI 38.15N 25.29E 1012Z 11 MAR WATCH  
GREECE - NAXOS\_CHORA 37.11N 25.37E 1013Z 11 MAR WATCH  
GREECE - PLIMIRI 35.93N 27.86E 1015Z 11 MAR WATCH  
GREECE - MIKONOS\_CHORA 37.45N 25.32E 1015Z 11 MAR WATCH

GREECE - KOS\_KEFALOS 36.74N 26.98E 1015Z 11 MAR WATCH  
GREECE - PATRA 38.25N 21.73E 1016Z 11 MAR WATCH  
GREECE - RHODOS\_LINDOS 36.09N 28.09E 1016Z 11 MAR WATCH  
GREECE - KALATHOS 36.11N 28.07E 1018Z 11 MAR WATCH  
GREECE - KALIMNOS\_PANORMOS 36.97N 26.93E 1020Z 11 MAR WATCH  
GREECE - KERKYRA\_IMEROLIA 39.79N 19.91E 1022Z 11 MAR WATCH  
GREECE - RHODOS\_TOWN 36.46N 28.21E 1023Z 11 MAR WATCH  
GREECE - KASTELORIZO\_MEGISTI 36.15N 29.59E 1023Z 11 MAR WATCH  
GREECE - IKARIA\_AGIOS\_KIRIKOS 37.61N 26.30E 1025Z 11 MAR WATCH  
GREECE - CHIOS\_VOLLISOS 38.47N 25.92E 1027Z 11 MAR WATCH  
GREECE - KOS 36.90N 27.29E 1029Z 11 MAR WATCH  
GREECE - KOS\_MARINA 36.89N 27.30E 1029Z 11 MAR WATCH  
GREECE - EVIA\_KIMI 38.62N 24.13E 1030Z 11 MAR WATCH  
GREECE - SAMOS\_KARLOVASI 37.80N 26.68E 1034Z 11 MAR WATCH  
GREECE - AIGIO 38.26N 22.08E 1034Z 11 MAR WATCH  
GREECE - PANORMOS 38.36N 22.25E 1039Z 11 MAR WATCH  
GREECE - SKIATHOS 39.16N 23.49E 1042Z 11 MAR WATCH  
GREECE - PLOMARI 38.97N 26.37E 1043Z 11 MAR WATCH  
GREECE - LESVOS\_SIGRI 39.21N 25.84E 1046Z 11 MAR WATCH  
GREECE - ITEA 38.43N 22.42E 1049Z 11 MAR WATCH  
GREECE - CORINTH 37.95N 22.94E 1053Z 11 MAR WATCH  
GREECE - LESVOS\_MOLIVOS 39.37N 26.17E 1056Z 11 MAR WATCH  
GREECE - LIMNOS\_MIRINA 39.87N 25.05E 1057Z 11 MAR WATCH  
GREECE - LESVOS\_MITILINI 39.10N 26.57E 1105Z 11 MAR WATCH  
GREECE - SAMOTHRAKI 40.48N 25.47E 1114Z 11 MAR WATCH  
GREECE - VOLOS 39.35N 22.95E 1120Z 11 MAR WATCH  
GREECE - THASSOS 40.78N 24.71E 1128Z 11 MAR WATCH  
GREECE - KATERINI 40.26N 22.60E 1141Z 11 MAR WATCH  
GREECE - THESSALONIKI 40.63N 22.91E 1211Z 11 MAR WATCH  
ITALY - TSUNAMI\_BUOY\_INGV\_01 36.82N 16.49E 0947Z 11 MAR WATCH  
ITALY - CROTONE 39.08N 17.13E 0958Z 11 MAR WATCH  
ITALY - LE\_CASTELLA 38.91N 17.03E 0958Z 11 MAR WATCH  
ITALY - SIDERNO 38.27N 16.30E 0959Z 11 MAR WATCH  
ITALY - CATANIA\_CALIPSO 37.55N 15.40E 0959Z 11 MAR WATCH  
ITALY - ROCCELLA\_JONICA 38.33N 16.43E 1000Z 11 MAR WATCH  
ITALY - CATANZARO 38.83N 16.63E 1000Z 11 MAR WATCH  
ITALY - SIRACUSA 37.22N 15.23E 1002Z 11 MAR WATCH  
ITALY - CATA 37.49N 15.14E 1003Z 11 MAR WATCH  
ITALY - CATANIA 37.50N 15.09E 1005Z 11 MAR WATCH  
ITALY - REGGIO\_CALABRIA 38.12N 15.65E 1005Z 11 MAR WATCH  
ITALY - MESSINA 38.20N 15.56E 1007Z 11 MAR WATCH  
ITALY - PORTOPALO 36.67N 15.12E 1009Z 11 MAR WATCH  
ITALY - GALLIPOLI 40.05N 17.97E 1010Z 11 MAR WATCH  
ITALY - LAGHI\_DI\_SIBARI 39.73N 16.52E 1012Z 11 MAR WATCH  
ITALY - OTRANTO 40.15N 18.50E 1014Z 11 MAR WATCH  
ITALY - POLICORO\_LIDO 40.19N 16.72E 1016Z 11 MAR WATCH  
ITALY - TARANTO 40.48N 17.22E 1018Z 11 MAR WATCH  
ITALY - STROMBOLICCHIO 38.82N 15.25E 1026Z 11 MAR WATCH  
ITALY - GINOSTRA 38.78N 15.19E 1026Z 11 MAR WATCH  
ITALY - PANAREA 38.64N 15.11E 1026Z 11 MAR WATCH  
ITALY - LIPARI 38.52N 14.96E 1027Z 11 MAR WATCH  
ITALY - MILAZZO 38.21N 15.27E 1028Z 11 MAR WATCH  
ITALY - VIBO\_MARINA 38.72N 16.13E 1033Z 11 MAR WATCH  
ITALY - BRINDISI 40.66N 18.00E 1034Z 11 MAR WATCH  
ITALY - CETRARO 39.50N 15.95E 1042Z 11 MAR WATCH  
ITALY - MONOPOLI 40.96N 17.31E 1044Z 11 MAR WATCH  
ITALY - USTICA 38.70N 13.18E 1045Z 11 MAR WATCH  
ITALY - MARATEA 39.99N 15.71E 1046Z 11 MAR WATCH  
ITALY - PALINURO 40.03N 15.28E 1048Z 11 MAR WATCH  
ITALY - PALERMO 38.12N 13.37E 1049Z 11 MAR WATCH  
ITALY - BARI 41.14N 16.87E 1054Z 11 MAR WATCH  
ITALY - PONZA 40.90N 12.97E 1100Z 11 MAR WATCH  
ITALY - NAPOLI 40.84N 14.27E 1103Z 11 MAR WATCH

ITALY - MARETTIMO 37.97N 12.08E 1104Z 11 MAR WATCH  
ITALY - SALERNO 40.68N 14.75E 1104Z 11 MAR WATCH  
ITALY - GELA 37.06N 14.23E 1108Z 11 MAR WATCH  
ITALY - PANTELLERIA\_SCAURI 36.77N 11.96E 1113Z 11 MAR WATCH  
ITALY - GAETA 41.21N 13.59E 1114Z 11 MAR WATCH  
ITALY - PANTELLERIA 36.83N 11.94E 1114Z 11 MAR WATCH  
ITALY - LAMPEDUSA 35.50N 12.60E 1117Z 11 MAR WATCH  
ITALY - PORTO\_EMPEDOCLE 37.29N 13.53E 1119Z 11 MAR WATCH  
ITALY - VIESTE 41.89N 16.18E 1121Z 11 MAR WATCH  
ITALY - OROSEI 40.44N 9.78E 1123Z 11 MAR WATCH  
ITALY - ANZIO 41.45N 12.63E 1124Z 11 MAR WATCH  
ITALY - SCIACCA 37.50N 13.08E 1125Z 11 MAR WATCH  
ITALY - FIUMICINO 41.77N 12.21E 1127Z 11 MAR WATCH  
ITALY - BARLETTA 41.33N 16.30E 1127Z 11 MAR WATCH  
ITALY - CIVITAVECCHIA 42.09N 11.79E 1129Z 11 MAR WATCH  
ITALY - MAZARA\_DEL\_VALLO 37.64N 12.58E 1136Z 11 MAR WATCH  
ITALY - MARINA\_DI\_TEULADA 38.93N 8.72E 1142Z 11 MAR WATCH  
ITALY - CAGLIARI 39.21N 9.11E 1142Z 11 MAR WATCH  
ITALY - TREMITI 42.12N 15.50E 1144Z 11 MAR WATCH  
ITALY - SANTA\_TERESA\_DI\_GALLURA 41.25N 9.19E 1148Z 11 MAR WATCH  
ITALY - MARINA\_DI\_GROSSETO 42.72N 10.98E 1154Z 11 MAR WATCH  
ITALY - MARINA\_DI\_CAMPO 42.74N 10.24E 1159Z 11 MAR WATCH  
ITALY - PIOMBINO 42.92N 10.53E 1200Z 11 MAR WATCH  
ITALY - CARLOFORTE 39.15N 8.31E 1203Z 11 MAR WATCH  
ITALY - TERMOLI 42.00N 15.01E 1213Z 11 MAR WATCH  
ITALY - ORISTANO 39.86N 8.44E 1216Z 11 MAR WATCH  
ITALY - ALGHERO 40.54N 8.32E 1220Z 11 MAR WATCH  
ITALY - IMPERIA 43.88N 8.02E 1226Z 11 MAR WATCH  
ITALY - GENOVA 44.41N 8.93E 1227Z 11 MAR WATCH  
ITALY - ORTONA 42.36N 14.41E 1228Z 11 MAR WATCH  
ITALY - LIVORNO 43.55N 10.30E 1228Z 11 MAR WATCH  
ITALY - PORTO\_TORRES 40.84N 8.40E 1229Z 11 MAR WATCH  
ITALY - LA\_SPEZIA 44.10N 9.86E 1240Z 11 MAR WATCH  
ITALY - SAN\_BENEDETTO\_DEL\_TRONTO 42.96N 13.89E 1254Z 11 MAR WATCH  
ITALY - ANCONA 43.62N 13.51E 1329Z 11 MAR WATCH  
ITALY - CESENATICO 44.18N 12.42E 1454Z 11 MAR WATCH  
ITALY - RAVENNA 44.49N 12.28E 1510Z 11 MAR WATCH  
ITALY - CHIOGGIA 45.21N 12.30E 1547Z 11 MAR WATCH  
ITALY - TRIESTE 45.65N 13.76E 1556Z 11 MAR WATCH  
ITALY - VENEZIA 45.42N 12.43E 1603Z 11 MAR WATCH  
LIBYA - DERNA 32.77N 22.67E 0958Z 11 MAR WATCH  
LIBYA - TUBRUQ 32.06N 23.99E 1011Z 11 MAR WATCH  
LIBYA - BENGHAZI 32.14N 20.04E 1012Z 11 MAR WATCH  
LIBYA - MISRATA 32.38N 15.24E 1040Z 11 MAR WATCH  
LIBYA - SIRTE 31.23N 16.59E 1047Z 11 MAR WATCH  
LIBYA - MARSAL\_BREGA 30.43N 19.59E 1047Z 11 MAR WATCH  
LIBYA - TRIPOLI\_LIB 32.94N 13.21E 1119Z 11 MAR WATCH  
LIBYA - ZUWARA 32.95N 12.09E 1200Z 11 MAR WATCH  
EGYPT - MERSA\_MATRUH 31.39N 27.24E 1016Z 11 MAR WATCH  
EGYPT - EL\_SALLOUM 31.55N 25.19E 1020Z 11 MAR WATCH  
EGYPT - ALEXANDRIA 31.21N 29.92E 1052Z 11 MAR WATCH  
EGYPT - RAS\_EL\_BAR 31.53N 31.83E 1140Z 11 MAR WATCH  
EGYPT - PORT\_SAID 31.29N 32.31E 1208Z 11 MAR WATCH  
TURKIYE - MUGLA\_DALAMAN 36.69N 28.78E 1024Z 11 MAR WATCH  
TURKIYE - ANTALYA\_KAS 36.18N 29.62E 1025Z 11 MAR WATCH  
TURKIYE - ANTALYA 36.20N 29.64E 1025Z 11 MAR WATCH  
TURKIYE - ANTALYA\_FINIKE 36.29N 30.15E 1030Z 11 MAR WATCH  
TURKIYE - MUGLA\_FETHIYE 36.66N 29.11E 1031Z 11 MAR WATCH  
TURKIYE - FETHYE 36.62N 29.09E 1031Z 11 MAR WATCH  
TURKIYE - MUGLA\_BODRUM\_M 37.03N 27.42E 1033Z 11 MAR WATCH  
TURKIYE - MUGLA\_AKSAZ\_M 36.84N 28.40E 1039Z 11 MAR WATCH  
TURKIYE - MARMARIS 36.84N 28.39E 1039Z 11 MAR WATCH  
TURKIYE - IZMIR\_ALACATI 38.25N 26.39E 1042Z 11 MAR WATCH

TURKIYE - ANTALYA\_M 36.83N 30.61E 1043Z 11 MAR WATCH  
TURKIYE - ANTALYA\_ALANYA 36.55N 31.98E 1046Z 11 MAR WATCH  
TURKIYE - AYDIN\_DIDIM 37.35N 27.28E 1048Z 11 MAR WATCH  
TURKIYE - AYDIN\_KUSADASI 37.87N 27.26E 1054Z 11 MAR WATCH  
TURKIYE - MERSIN\_BOZYAZI\_M 36.10N 32.94E 1100Z 11 MAR WATCH  
TURKIYE - IZMIR\_ALIAGA 38.83N 26.94E 1107Z 11 MAR WATCH  
TURKIYE - CANAKKALE\_GOKCEADA\_M 40.23N 25.89E 1114Z 11 MAR WATCH  
TURKIYE - IZMIR\_MENTES 38.43N 26.72E 1116Z 11 MAR WATCH  
TURKIYE - CANAKKALE\_BOZCAADA 39.84N 26.08E 1119Z 11 MAR WATCH  
TURKIYE - MERSIN\_TASUCU 36.28N 33.84E 1122Z 11 MAR WATCH  
TURKIYE - BALIKESIR\_AYVALIK 39.31N 26.69E 1124Z 11 MAR WATCH  
TURKIYE - MERSIN\_ERDEMLI\_M 36.56N 34.26E 1129Z 11 MAR WATCH  
TURKIYE - EDIRNE\_ENEZ 40.71N 26.05E 1139Z 11 MAR WATCH  
TURKIYE - IZMIR\_ALSANCAK 38.44N 27.14E 1150Z 11 MAR WATCH  
TURKIYE - HATAY\_ISKENDERUN\_M 36.59N 36.18E 1222Z 11 MAR WATCH  
TURKIYE - ADANA\_YUMURTALIK 36.91N 35.98E 1230Z 11 MAR WATCH  
TURKIYE - MARMARA 40.97N 27.96E 1311Z 11 MAR WATCH  
TURKIYE - YALOVA 40.66N 29.28E 1330Z 11 MAR WATCH  
TURKIYE - ERDEK 40.39N 27.85E 1332Z 11 MAR WATCH  
ALBANIA - SARANDE 39.85N 20.00E 1024Z 11 MAR WATCH  
ALBANIA - VLORE 40.44N 19.48E 1026Z 11 MAR WATCH  
ALBANIA - DURRES 41.29N 19.46E 1058Z 11 MAR WATCH  
MALTA - MARSAXLOKK 35.83N 14.55E 1036Z 11 MAR WATCH  
MALTA - PORTOMASO 35.92N 14.49E 1045Z 11 MAR WATCH  
MALTA - MALTA 35.99N 14.33E 1045Z 11 MAR WATCH  
CYPRUS - PAFOS 34.77N 32.42E 1047Z 11 MAR WATCH  
CYPRUS - POLIS 35.03N 32.43E 1050Z 11 MAR WATCH  
CYPRUS - MORFOU 35.20N 32.99E 1059Z 11 MAR WATCH  
CYPRUS - LEMESOS 34.68N 33.03E 1059Z 11 MAR WATCH  
CYPRUS - VASILIKO 34.72N 33.32E 1101Z 11 MAR WATCH  
CYPRUS - KERYNEIA 35.33N 33.32E 1102Z 11 MAR WATCH  
CYPRUS - LARNAKA 34.92N 33.62E 1107Z 11 MAR WATCH  
CYPRUS - PARALIMNI 35.04N 34.04E 1115Z 11 MAR WATCH  
CYPRUS - AMMOCHOSTOS 35.11N 33.94E 1119Z 11 MAR WATCH  
CROATIA - DUBROVNIK 42.64N 18.10E 1056Z 11 MAR WATCH  
CROATIA - SOBRA 42.79N 17.62E 1109Z 11 MAR WATCH  
CROATIA - PALAGRUZA 42.39N 16.26E 1114Z 11 MAR WATCH  
CROATIA - VELA\_LUKA 42.96N 16.70E 1125Z 11 MAR WATCH  
CROATIA - STARI\_GRAD 43.18N 16.58E 1157Z 11 MAR WATCH  
CROATIA - SPLIT 43.50N 16.44E 1206Z 11 MAR WATCH  
CROATIA - ZIRJE 43.63N 15.69E 1211Z 11 MAR WATCH  
CROATIA - VELI\_RAT 44.15N 14.82E 1254Z 11 MAR WATCH  
CROATIA - MALI\_LOSINJ 44.54N 14.43E 1333Z 11 MAR WATCH  
CROATIA - PULA 44.85N 13.82E 1413Z 11 MAR WATCH  
CROATIA - RIJEKA 45.34N 14.37E 1427Z 11 MAR WATCH  
CROATIA - POREC 45.22N 13.58E 1457Z 11 MAR WATCH  
MONTENEGRO - BAR 42.10N 19.06E 1104Z 11 MAR WATCH  
LEBANON - BEIRUT 33.92N 35.55E 1118Z 11 MAR WATCH  
LEBANON - BATROUN 34.25N 35.66E 1119Z 11 MAR WATCH  
LEBANON - TYRE 33.29N 35.20E 1119Z 11 MAR WATCH  
LEBANON - TRIPOLI\_LEB 34.48N 35.82E 1126Z 11 MAR WATCH  
SYRIA - TARTOUS 35.00N 35.50E 1120Z 11 MAR WATCH  
SYRIA - LATTAKIA 35.50N 35.50E 1126Z 11 MAR WATCH  
ISRAEL - NAHARIYA 33.01N 35.07E 1121Z 11 MAR WATCH  
ISRAEL - HAIFA 32.80N 34.94E 1123Z 11 MAR WATCH  
ISRAEL - HADERA 32.47N 34.86E 1127Z 11 MAR WATCH  
ISRAEL - TEL\_AVIV 32.08N 34.75E 1134Z 11 MAR WATCH  
ISRAEL - ASHDOD\_PORT 31.85N 34.65E 1134Z 11 MAR WATCH  
ISRAEL - ASHDOD\_M 31.83N 34.64E 1136Z 11 MAR WATCH  
ISRAEL - ASHKELON\_M 31.63N 34.49E 1137Z 11 MAR WATCH  
ISRAEL - ASHDOD 31.49N 34.38E 1140Z 11 MAR WATCH  
ISRAEL - ASHKELON 31.42N 34.33E 1143Z 11 MAR WATCH  
FRANCE - SOLENZARA 41.83N 9.40E 1136Z 11 MAR WATCH

FRANCE - BASTIA 42.70N 9.45E 1151Z 11 MAR WATCH  
FRANCE - CENTURI 42.97N 9.35E 1211Z 11 MAR WATCH  
FRANCE - L\_ILE\_ROUSSE 42.64N 8.93E 1217Z 11 MAR WATCH  
FRANCE - AJACCIO 41.93N 8.78E 1221Z 11 MAR WATCH  
FRANCE - NICE 43.70N 7.27E 1226Z 11 MAR WATCH  
FRANCE - LA\_FIGUEIRETTE 43.48N 6.93E 1229Z 11 MAR WATCH  
FRANCE - CANNES 43.55N 7.03E 1230Z 11 MAR WATCH  
FRANCE - PORT\_FERREOL 43.36N 6.72E 1231Z 11 MAR WATCH  
FRANCE - TOULONE 43.11N 5.97E 1234Z 11 MAR WATCH  
FRANCE - PORT\_VENDRE 42.52N 3.11E 1249Z 11 MAR WATCH  
FRANCE - MARSEILLE 43.31N 5.38E 1251Z 11 MAR WATCH  
FRANCE - FOS\_SUR\_MER 43.40N 4.89E 1307Z 11 MAR WATCH  
FRANCE - PORT\_LA\_NOUVELLE 43.01N 3.04E 1319Z 11 MAR WATCH  
FRANCE - SETE 43.40N 3.69E 1321Z 11 MAR WATCH  
TUNISIA - BIZERTE 37.27N 9.91E 1150Z 11 MAR WATCH  
TUNISIA - TABARKA 36.98N 8.78E 1157Z 11 MAR WATCH  
TUNISIA - TUNISI 36.82N 10.33E 1219Z 11 MAR WATCH  
TUNISIA - SOUSSE 35.83N 10.67E 1222Z 11 MAR WATCH  
TUNISIA - ZARZIS 33.50N 11.14E 1306Z 11 MAR WATCH  
TUNISIA - SFAX 34.71N 10.79E 1401Z 11 MAR WATCH  
ALGERIA - ANNABA 36.90N 7.80E 1155Z 11 MAR WATCH  
ALGERIA - BEJAIA 36.74N 5.11E 1208Z 11 MAR WATCH  
ALGERIA - ALGIERS 36.77N 3.09E 1225Z 11 MAR WATCH  
ALGERIA - TENES 36.52N 1.29E 1239Z 11 MAR WATCH  
ALGERIA - ORAN 35.73N 0.64W 1305Z 11 MAR WATCH  
ALGERIA - GHAZAOUET 35.12N 1.87W 1330Z 11 MAR WATCH  
SPAIN - MAHON 39.89N 4.27E 1218Z 11 MAR WATCH  
SPAIN - LA\_MOLA\_DE\_MAHON 39.87N 4.31E 1221Z 11 MAR WATCH  
SPAIN - CIUTADELLA\_DE\_MENORCA 39.99N 3.83E 1229Z 11 MAR WATCH  
SPAIN - ALCUDIA 39.87N 3.12E 1240Z 11 MAR WATCH  
SPAIN - BARCELONA 41.39N 2.18E 1244Z 11 MAR WATCH  
SPAIN - FORMENTERA 38.73N 1.42E 1250Z 11 MAR WATCH  
SPAIN - IBIZA 38.91N 1.44E 1252Z 11 MAR WATCH  
SPAIN - PALMA\_DE\_MALLORCA 39.57N 2.65E 1254Z 11 MAR WATCH  
SPAIN - TARRAGONA 41.12N 1.26E 1255Z 11 MAR WATCH  
SPAIN - CARTAGENA 37.61N 0.98W 1302Z 11 MAR WATCH  
SPAIN - MURCIA 37.60N 0.98W 1302Z 11 MAR WATCH  
SPAIN - CARBONERAS 36.97N 1.90W 1308Z 11 MAR WATCH  
SPAIN - ALICANTE 38.34N 0.48W 1315Z 11 MAR WATCH  
SPAIN - GANDIA 39.00N 0.15W 1323Z 11 MAR WATCH  
SPAIN - SAGUNTO 39.63N 0.21W 1324Z 11 MAR WATCH  
SPAIN - ALBORAN\_ISLAND 35.94N 3.03W 1324Z 11 MAR WATCH  
SPAIN - ALMERIA 36.84N 2.47W 1327Z 11 MAR WATCH  
SPAIN - VALENCIA 39.48N 0.38W 1329Z 11 MAR WATCH  
SPAIN - CASTELLON\_DE\_LA\_PLANA 39.99N 0.04W 1334Z 11 MAR WATCH  
SPAIN - MOTRIL 36.72N 3.52W 1334Z 11 MAR WATCH  
SPAIN - MELILLA 35.30N 2.94W 1341Z 11 MAR WATCH  
SPAIN - TARIFA 36.01N 5.60W 1352Z 11 MAR WATCH  
SPAIN - MALAGA 36.72N 4.42W 1354Z 11 MAR WATCH  
SPAIN - CEUTA 35.89N 5.32W 1356Z 11 MAR WATCH  
SPAIN - BONANZA2 36.80N 6.34W 1358Z 11 MAR WATCH  
SPAIN - HUELVA 37.13N 6.83W 1358Z 11 MAR WATCH  
SPAIN - ALGECIRAS 36.13N 5.45W 1358Z 11 MAR WATCH  
SPAIN - CADIZ 36.53N 6.28W 1358Z 11 MAR WATCH  
BOSNIA\_HERZEGOVINA - NEUM 42.92N 17.60E 1220Z 11 MAR WATCH  
MONACO - MONACO\_FONTVIEILLE 43.72N 7.45E 1226Z 11 MAR WATCH  
MONACO - MONTE\_CARLO 43.73N 7.43E 1226Z 11 MAR WATCH  
MOROCCO - SAIDIA\_MARINA 35.11N 2.29W 1335Z 11 MAR WATCH  
MOROCCO - EL\_HOCEIMA 35.24N 3.90W 1345Z 11 MAR WATCH  
MOROCCO - FNIDEQ 35.84N 5.33W 1356Z 11 MAR WATCH  
MOROCCO - RABAT 34.05N 6.86W 1400Z 11 MAR WATCH  
MOROCCO - TANGIER 35.80N 5.79W 1400Z 11 MAR WATCH  
UK - GIBRALTAR 36.13N 5.37W 1356Z 11 MAR WATCH

SLOVENIA - KOPER 45.56N 13.71E 1548Z 11 MAR WATCH

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY  
GAUGE LOCATION LAT LON TIME AMPL PER

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GREECE - KAPSALI 36.14N 23.00E 0920Z 11 MAR 4.07M 14MIN  
GREECE - KORONI 36.80N 21.96E 0923Z 11 MAR 3.55M 14MIN  
GREECE - PALEOCHORA 35.22N 23.68E 0927Z 11 MAR 0.59M 13MIN  
GREECE - KATAKOLO 37.64N 21.32E 0932Z 11 MAR 0.85M  
GREECE - KALAMATA 37.02N 22.11E 0928Z 11 MAR 5.21M 18MIN  
GREECE - ZAKINTHOS 37.78N 20.91E 0928Z 11 MAR 0.71 15MIN  
GREECE - PREVEZA 38.95N 20.73E 1000Z 11 MAR 0.42M  
GREECE - SANTORINI\_PORI 36.46N 25.43E 1010Z 11 MAR 0.14M  
GREECE - IERAPETRA 35.01N 25.74E 0958Z 11 MAR 0.29M  
GREECE - HARAKLEIO 35.35N 25.15E 1005Z 11 MAR 0.35M  
ITALY - CROTONE 39.08N 17.13E 1005Z 11 MAR 0.44M  
ITALY - LE\_CASTELLA 38.91N 17.03E 1004Z 11 MAR 0.41M  
ITALY - ROCCELLA\_JONICA 38.33N 16.43E 1006Z 11 MAR 0.72M  
ITALY - CATANIA 37.50N 15.09E 1010Z 11 MAR 0.44M  
ITALY - REGGIO\_CALABRIA 38.12N 15.65E 1010Z 11 MAR 0.08M  
ITALY - PORTOPALO 36.67N 15.12E 1010Z 11 MAR 0.08M  
TSUNAMI\_BUOY\_INGV\_01 36.83N 16.50E 0954Z 11 MAR 0.14M  
TSUNAMI\_BUOY\_INGV\_02 38.67N 18.17E 0950Z 11 MAR 0.09M  
LAT - LATITUDE (N-NORTH, S-SOUTH)  
LON - LONGITUDE (E-EAST, W-WEST)  
TIME - TIME OF THE MEASUREMENT (Z IS UTC TIME)  
AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL  
IT IS ..NOT.. CREST-TO-TROUGH WAVE HEIGHT.  
VALUES ARE GIVE N IN METERS (M)  
PER - PERIOD OF TIME IN MINUTES (MIN) FROM WAVE TO THE NEXT.

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND  
EVALUATION ALLOWS.

**T(n10): 11:05 UTC (Dissemination of the 5th message)**

TSUNAMI MESSAGE NUMBER 005  
NEAM INGV IT-NTWC TSUNAMI SERVICE PROVIDER  
ISSUED AT 1105Z 11 MAR 2026

... TSUNAMI WATCH ONGOING ...  
THIS ALERT APPLIES TO ALBANIA ... ALGERIA ... BOSNIA\_HERZEGOVINA ...  
CROATIA ... CYPRUS ... EGYPT ... FRANCE ... GREECE ... ISRAEL ...  
ITALY ... LEBANON ... LIBYA ... MALTA ... MONACO ... MONTENEGRO ...  
MOROCCO ... SLOVENIA ... SPAIN ... SYRIA ... TUNISIA ... TURKIYE ...  
UK

THIS ALERT IS ADDRESSED TO ALL COUNTRIES AND INSTITUTIONS SUBSCRIBED  
TO THE SERVICES OF INGV IT-NTWC TSUNAMI SERVICE PROVIDER IN ITS MONITORING AREA

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY  
NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE  
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY  
ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0910Z 11 MAR 2026  
COORDINATES - 36.40 NORTH 22.20 EAST  
DEPTH - 20 KM  
LOCATION - TEST  
MAGNITUDE - 7.9

ALERT LEVEL IS ASSIGNED ACCORDING TO THE ABOVE ESTIMATIONS OF  
EARTHQUAKE PARAMETERS AND BASED ON THE MODIFIED ICG/NEAMTWS DECISION MATRIX

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY.

A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

HOWEVER, AT SOME COASTS, PARTICULARLY THOSE NEAR THE EPICENTER, HIGHER TSUNAMIS MAY ARRIVE THAN OUR ESTIMATION. AUTHORITIES SHOULD BE AWARE OF THIS POSSIBILITY.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR. LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL (ADVISORY, WATCH)

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GREECE - KIPARISSIA 37.26N 21.66E 0916Z 11 MAR WATCH  
GREECE - KITHERA\_KAPSALI 36.14N 23.00E 0916Z 11 MAR WATCH  
GREECE - MONEMVASIA 36.68N 23.04E 0917Z 11 MAR WATCH  
GREECE - KAPSALI 36.14N 23.00E 0917Z 11 MAR WATCH  
GREECE - PALEOCHORA 35.22N 23.68E 0922Z 11 MAR WATCH  
GREECE - KORONI 36.80N 21.96E 0925Z 11 MAR WATCH  
GREECE - KATAKOLO 37.64N 21.32E 0925Z 11 MAR WATCH  
GREECE - CHORA\_SFAKION 35.20N 24.13E 0926Z 11 MAR WATCH  
GREECE - KALAMATA 37.02N 22.11E 0927Z 11 MAR WATCH  
GREECE - ZAKINTHOS 37.78N 20.91E 0928Z 11 MAR WATCH  
GREECE - GITHEION 36.77N 22.57E 0929Z 11 MAR WATCH  
GREECE - KASTELI 35.51N 23.64E 0930Z 11 MAR WATCH  
GREECE - GAVDOS\_KARAVE 34.85N 24.12E 0932Z 11 MAR WATCH  
GREECE - CHANIA 35.52N 24.02E 0935Z 11 MAR WATCH  
GREECE - RETHIMNON 35.38N 24.47E 0938Z 11 MAR WATCH  
GREECE - MILOS\_ADAMAS 36.72N 24.45E 0940Z 11 MAR WATCH  
GREECE - CEPHALONNIA\_ARGOSTOLI 38.19N 20.48E 0942Z 11 MAR WATCH  
GREECE - HARAKLEIO 35.35N 25.15E 0946Z 11 MAR WATCH  
GREECE - SANTORINI\_ORMOS\_FIRON 36.42N 25.42E 0949Z 11 MAR WATCH  
GREECE - PREVEZA 38.95N 20.73E 0950Z 11 MAR WATCH  
GREECE - KERKIRA\_PELEKAS 39.59N 19.81E 0951Z 11 MAR WATCH  
GREECE - SANTORINI\_PORI 36.46N 25.43E 0952Z 11 MAR WATCH  
GREECE - IERAPETRA 35.01N 25.74E 0953Z 11 MAR WATCH  
GREECE - PEIRAIAS 37.93N 23.62E 0955Z 11 MAR WATCH  
GREECE - SITEIA 35.23N 26.11E 0957Z 11 MAR WATCH  
GREECE - KARPATOS\_MESOCHORI 35.63N 27.09E 0958Z 11 MAR WATCH  
GREECE - KASOS 35.42N 26.92E 1001Z 11 MAR WATCH  
GREECE - SYROS 37.44N 24.94E 1002Z 11 MAR WATCH  
GREECE - SIROS\_ERMOUPOLI 37.44N 24.95E 1002Z 11 MAR WATCH  
GREECE - AGIOS\_NIKOLAOS 35.21N 25.72E 1002Z 11 MAR WATCH  
GREECE - IGOUMENITSA 39.51N 20.22E 1005Z 11 MAR WATCH  
GREECE - TINOS 37.53N 25.16E 1006Z 11 MAR WATCH  
GREECE - AMORGOS\_KATAPOLA 36.83N 25.86E 1006Z 11 MAR WATCH  
GREECE - ANDROS 37.84N 24.94E 1011Z 11 MAR WATCH  
GREECE - KALOGEROI 38.15N 25.29E 1012Z 11 MAR WATCH  
GREECE - NAXOS\_CHORA 37.11N 25.37E 1013Z 11 MAR WATCH  
GREECE - PLIMIRI 35.93N 27.86E 1015Z 11 MAR WATCH  
GREECE - MIKONOS\_CHORA 37.45N 25.32E 1015Z 11 MAR WATCH

GREECE - KOS\_KEFALOS 36.74N 26.98E 1015Z 11 MAR WATCH  
GREECE - PATRA 38.25N 21.73E 1016Z 11 MAR WATCH  
GREECE - RHODOS\_LINDOS 36.09N 28.09E 1016Z 11 MAR WATCH  
GREECE - KALATHOS 36.11N 28.07E 1018Z 11 MAR WATCH  
GREECE - KALIMNOS\_PANORMOS 36.97N 26.93E 1020Z 11 MAR WATCH  
GREECE - KERKYRA\_IMEROLIA 39.79N 19.91E 1022Z 11 MAR WATCH  
GREECE - RHODOS\_TOWN 36.46N 28.21E 1023Z 11 MAR WATCH  
GREECE - KASTELORIZO\_MEGISTI 36.15N 29.59E 1023Z 11 MAR WATCH  
GREECE - IKARIA\_AGIOS\_KIRIKOS 37.61N 26.30E 1025Z 11 MAR WATCH  
GREECE - CHIOS\_VOLLISOS 38.47N 25.92E 1027Z 11 MAR WATCH  
GREECE - KOS 36.90N 27.29E 1029Z 11 MAR WATCH  
GREECE - KOS\_MARINA 36.89N 27.30E 1029Z 11 MAR WATCH  
GREECE - EVIA\_KIMI 38.62N 24.13E 1030Z 11 MAR WATCH  
GREECE - SAMOS\_KARLOVASI 37.80N 26.68E 1034Z 11 MAR WATCH  
GREECE - AIGIO 38.26N 22.08E 1034Z 11 MAR WATCH  
GREECE - PANORMOS 38.36N 22.25E 1039Z 11 MAR WATCH  
GREECE - SKIATHOS 39.16N 23.49E 1042Z 11 MAR WATCH  
GREECE - PLOMARI 38.97N 26.37E 1043Z 11 MAR WATCH  
GREECE - LESVOS\_SIGRI 39.21N 25.84E 1046Z 11 MAR WATCH  
GREECE - ITEA 38.43N 22.42E 1049Z 11 MAR WATCH  
GREECE - CORINTH 37.95N 22.94E 1053Z 11 MAR WATCH  
GREECE - LESVOS\_MOLIVOS 39.37N 26.17E 1056Z 11 MAR WATCH  
GREECE - LIMNOS\_MIRINA 39.87N 25.05E 1057Z 11 MAR WATCH  
GREECE - LESVOS\_MITILINI 39.10N 26.57E 1105Z 11 MAR WATCH  
GREECE - SAMOTHRAKI 40.48N 25.47E 1114Z 11 MAR WATCH  
GREECE - VOLOS 39.35N 22.95E 1120Z 11 MAR WATCH  
GREECE - THASSOS 40.78N 24.71E 1128Z 11 MAR WATCH  
GREECE - KATERINI 40.26N 22.60E 1141Z 11 MAR WATCH  
GREECE - THESSALONIKI 40.63N 22.91E 1211Z 11 MAR WATCH  
ITALY - TSUNAMI\_BUOY\_INGV\_01 36.82N 16.49E 0947Z 11 MAR WATCH  
ITALY - CROTONE 39.08N 17.13E 0958Z 11 MAR WATCH  
ITALY - LE\_CASTELLA 38.91N 17.03E 0958Z 11 MAR WATCH  
ITALY - SIDERNO 38.27N 16.30E 0959Z 11 MAR WATCH  
ITALY - CATANIA\_CALIPSO 37.55N 15.40E 0959Z 11 MAR WATCH  
ITALY - ROCCELLA\_JONICA 38.33N 16.43E 1000Z 11 MAR WATCH  
ITALY - CATANZARO 38.83N 16.63E 1000Z 11 MAR WATCH  
ITALY - SIRACUSA 37.22N 15.23E 1002Z 11 MAR WATCH  
ITALY - CATA 37.49N 15.14E 1003Z 11 MAR WATCH  
ITALY - CATANIA 37.50N 15.09E 1005Z 11 MAR WATCH  
ITALY - REGGIO\_CALABRIA 38.12N 15.65E 1005Z 11 MAR WATCH  
ITALY - MESSINA 38.20N 15.56E 1007Z 11 MAR WATCH  
ITALY - PORTOPALO 36.67N 15.12E 1009Z 11 MAR WATCH  
ITALY - GALLIPOLI 40.05N 17.97E 1010Z 11 MAR WATCH  
ITALY - LAGHI\_DI\_SIBARI 39.73N 16.52E 1012Z 11 MAR WATCH  
ITALY - OTRANTO 40.15N 18.50E 1014Z 11 MAR WATCH  
ITALY - POLICORO\_LIDO 40.19N 16.72E 1016Z 11 MAR WATCH  
ITALY - TARANTO 40.48N 17.22E 1018Z 11 MAR WATCH  
ITALY - STROMBOLICCHIO 38.82N 15.25E 1026Z 11 MAR WATCH  
ITALY - GINOSTRA 38.78N 15.19E 1026Z 11 MAR WATCH  
ITALY - PANAREA 38.64N 15.11E 1026Z 11 MAR WATCH  
ITALY - LIPARI 38.52N 14.96E 1027Z 11 MAR WATCH  
ITALY - MILAZZO 38.21N 15.27E 1028Z 11 MAR WATCH  
ITALY - VIBO\_MARINA 38.72N 16.13E 1033Z 11 MAR WATCH  
ITALY - BRINDISI 40.66N 18.00E 1034Z 11 MAR WATCH  
ITALY - CETRARO 39.50N 15.95E 1042Z 11 MAR WATCH  
ITALY - MONOPOLI 40.96N 17.31E 1044Z 11 MAR WATCH  
ITALY - USTICA 38.70N 13.18E 1045Z 11 MAR WATCH  
ITALY - MARATEA 39.99N 15.71E 1046Z 11 MAR WATCH  
ITALY - PALINURO 40.03N 15.28E 1048Z 11 MAR WATCH  
ITALY - PALERMO 38.12N 13.37E 1049Z 11 MAR WATCH  
ITALY - BARI 41.14N 16.87E 1054Z 11 MAR WATCH  
ITALY - PONZA 40.90N 12.97E 1100Z 11 MAR WATCH  
ITALY - NAPOLI 40.84N 14.27E 1103Z 11 MAR WATCH

ITALY - MARETTIMO 37.97N 12.08E 1104Z 11 MAR WATCH  
ITALY - SALERNO 40.68N 14.75E 1104Z 11 MAR WATCH  
ITALY - GELA 37.06N 14.23E 1108Z 11 MAR WATCH  
ITALY - PANTELLERIA\_SCAURI 36.77N 11.96E 1113Z 11 MAR WATCH  
ITALY - GAETA 41.21N 13.59E 1114Z 11 MAR WATCH  
ITALY - PANTELLERIA 36.83N 11.94E 1114Z 11 MAR WATCH  
ITALY - LAMPEDUSA 35.50N 12.60E 1117Z 11 MAR WATCH  
ITALY - PORTO\_EMPEDOCLE 37.29N 13.53E 1119Z 11 MAR WATCH  
ITALY - VIESTE 41.89N 16.18E 1121Z 11 MAR WATCH  
ITALY - OROSEI 40.44N 9.78E 1123Z 11 MAR WATCH  
ITALY - ANZIO 41.45N 12.63E 1124Z 11 MAR WATCH  
ITALY - SCIACCA 37.50N 13.08E 1125Z 11 MAR WATCH  
ITALY - FIUMICINO 41.77N 12.21E 1127Z 11 MAR WATCH  
ITALY - BARLETTA 41.33N 16.30E 1127Z 11 MAR WATCH  
ITALY - CIVITAVECCHIA 42.09N 11.79E 1129Z 11 MAR WATCH  
ITALY - MAZARA\_DEL\_VALLO 37.64N 12.58E 1136Z 11 MAR WATCH  
ITALY - MARINA\_DI\_TEULADA 38.93N 8.72E 1142Z 11 MAR WATCH  
ITALY - CAGLIARI 39.21N 9.11E 1142Z 11 MAR WATCH  
ITALY - TREMITI 42.12N 15.50E 1144Z 11 MAR WATCH  
ITALY - SANTA\_TERESA\_DI\_GALLURA 41.25N 9.19E 1148Z 11 MAR WATCH  
ITALY - MARINA\_DI\_GROSSETO 42.72N 10.98E 1154Z 11 MAR WATCH  
ITALY - MARINA\_DI\_CAMPO 42.74N 10.24E 1159Z 11 MAR WATCH  
ITALY - PIOMBINO 42.92N 10.53E 1200Z 11 MAR WATCH  
ITALY - CARLOFORTE 39.15N 8.31E 1203Z 11 MAR WATCH  
ITALY - TERMOLI 42.00N 15.01E 1213Z 11 MAR WATCH  
ITALY - ORISTANO 39.86N 8.44E 1216Z 11 MAR WATCH  
ITALY - ALGHERO 40.54N 8.32E 1220Z 11 MAR WATCH  
ITALY - IMPERIA 43.88N 8.02E 1226Z 11 MAR WATCH  
ITALY - GENOVA 44.41N 8.93E 1227Z 11 MAR WATCH  
ITALY - ORTONA 42.36N 14.41E 1228Z 11 MAR WATCH  
ITALY - LIVORNO 43.55N 10.30E 1228Z 11 MAR WATCH  
ITALY - PORTO\_TORRES 40.84N 8.40E 1229Z 11 MAR WATCH  
ITALY - LA\_SPEZIA 44.10N 9.86E 1240Z 11 MAR WATCH  
ITALY - SAN\_BENEDETTO\_DEL\_TRONTO 42.96N 13.89E 1254Z 11 MAR WATCH  
ITALY - ANCONA 43.62N 13.51E 1329Z 11 MAR WATCH  
ITALY - CESENATICO 44.18N 12.42E 1454Z 11 MAR WATCH  
ITALY - RAVENNA 44.49N 12.28E 1510Z 11 MAR WATCH  
ITALY - CHIOGGIA 45.21N 12.30E 1547Z 11 MAR WATCH  
ITALY - TRIESTE 45.65N 13.76E 1556Z 11 MAR WATCH  
ITALY - VENEZIA 45.42N 12.43E 1603Z 11 MAR WATCH  
LIBYA - DERNA 32.77N 22.67E 0958Z 11 MAR WATCH  
LIBYA - TUBRUQ 32.06N 23.99E 1011Z 11 MAR WATCH  
LIBYA - BENGHAZI 32.14N 20.04E 1012Z 11 MAR WATCH  
LIBYA - MISRATA 32.38N 15.24E 1040Z 11 MAR WATCH  
LIBYA - SIRTE 31.23N 16.59E 1047Z 11 MAR WATCH  
LIBYA - MARSА\_AL\_BREGA 30.43N 19.59E 1047Z 11 MAR WATCH  
LIBYA - TRIPOLI\_LIB 32.94N 13.21E 1119Z 11 MAR WATCH  
LIBYA - ZUWARA 32.95N 12.09E 1200Z 11 MAR WATCH  
EGYPT - MERSA\_MATRUH 31.39N 27.24E 1016Z 11 MAR WATCH  
EGYPT - EL\_SALLOUM 31.55N 25.19E 1020Z 11 MAR WATCH  
EGYPT - ALEXANDRIA 31.21N 29.92E 1052Z 11 MAR WATCH  
EGYPT - RAS\_EL\_BAR 31.53N 31.83E 1140Z 11 MAR WATCH  
EGYPT - PORT\_SAID 31.29N 32.31E 1208Z 11 MAR WATCH  
TURKIYE - MUGLA\_DALAMAN 36.69N 28.78E 1024Z 11 MAR WATCH  
TURKIYE - ANTALYA\_KAS 36.18N 29.62E 1025Z 11 MAR WATCH  
TURKIYE - ANTALYA 36.20N 29.64E 1025Z 11 MAR WATCH  
TURKIYE - ANTALYA\_FINIKE 36.29N 30.15E 1030Z 11 MAR WATCH  
TURKIYE - MUGLA\_FETHIYE 36.66N 29.11E 1031Z 11 MAR WATCH  
TURKIYE - FETHYE 36.62N 29.09E 1031Z 11 MAR WATCH  
TURKIYE - MUGLA\_BODRUM\_M 37.03N 27.42E 1033Z 11 MAR WATCH  
TURKIYE - MUGLA\_AKSAZ\_M 36.84N 28.40E 1039Z 11 MAR WATCH  
TURKIYE - MARMARIS 36.84N 28.39E 1039Z 11 MAR WATCH  
TURKIYE - IZMIR\_ALACATI 38.25N 26.39E 1042Z 11 MAR WATCH

TURKIYE - ANTALYA\_M 36.83N 30.61E 1043Z 11 MAR WATCH  
TURKIYE - ANTALYA\_ALANYA 36.55N 31.98E 1046Z 11 MAR WATCH  
TURKIYE - AYDIN\_DIDIM 37.35N 27.28E 1048Z 11 MAR WATCH  
TURKIYE - AYDIN\_KUSADASI 37.87N 27.26E 1054Z 11 MAR WATCH  
TURKIYE - MERSIN\_BOZYAZI\_M 36.10N 32.94E 1100Z 11 MAR WATCH  
TURKIYE - IZMIR\_ALIAGA 38.83N 26.94E 1107Z 11 MAR WATCH  
TURKIYE - CANAKKALE\_GOKCEADA\_M 40.23N 25.89E 1114Z 11 MAR WATCH  
TURKIYE - IZMIR\_MENTES 38.43N 26.72E 1116Z 11 MAR WATCH  
TURKIYE - CANAKKALE\_BOZCAADA 39.84N 26.08E 1119Z 11 MAR WATCH  
TURKIYE - MERSIN\_TASUCU 36.28N 33.84E 1122Z 11 MAR WATCH  
TURKIYE - BALIKESIR\_AYVALIK 39.31N 26.69E 1124Z 11 MAR WATCH  
TURKIYE - MERSIN\_ERDEMLI\_M 36.56N 34.26E 1129Z 11 MAR WATCH  
TURKIYE - EDIRNE\_ENEZ 40.71N 26.05E 1139Z 11 MAR WATCH  
TURKIYE - IZMIR\_ALSANCAK 38.44N 27.14E 1150Z 11 MAR WATCH  
TURKIYE - HATAY\_ISKENDERUN\_M 36.59N 36.18E 1222Z 11 MAR WATCH  
TURKIYE - ADANA\_YUMURTALIK 36.91N 35.98E 1230Z 11 MAR WATCH  
TURKIYE - MARMARA 40.97N 27.96E 1311Z 11 MAR WATCH  
TURKIYE - YALOVA 40.66N 29.28E 1330Z 11 MAR WATCH  
TURKIYE - ERDEK 40.39N 27.85E 1332Z 11 MAR WATCH  
ALBANIA - SARANDE 39.85N 20.00E 1024Z 11 MAR WATCH  
ALBANIA - VLORE 40.44N 19.48E 1026Z 11 MAR WATCH  
ALBANIA - DURRES 41.29N 19.46E 1058Z 11 MAR WATCH  
MALTA - MARSAXLOKK 35.83N 14.55E 1036Z 11 MAR WATCH  
MALTA - PORTOMASO 35.92N 14.49E 1045Z 11 MAR WATCH  
MALTA - MALTA 35.99N 14.33E 1045Z 11 MAR WATCH  
CYPRUS - PAFOS 34.77N 32.42E 1047Z 11 MAR WATCH  
CYPRUS - POLIS 35.03N 32.43E 1050Z 11 MAR WATCH  
CYPRUS - MORFOU 35.20N 32.99E 1059Z 11 MAR WATCH  
CYPRUS - LEMESOS 34.68N 33.03E 1059Z 11 MAR WATCH  
CYPRUS - VASILIKO 34.72N 33.32E 1101Z 11 MAR WATCH  
CYPRUS - KERYNEIA 35.33N 33.32E 1102Z 11 MAR WATCH  
CYPRUS - LARNAKA 34.92N 33.62E 1107Z 11 MAR WATCH  
CYPRUS - PARALIMNI 35.04N 34.04E 1115Z 11 MAR WATCH  
CYPRUS - AMMOCHOSTOS 35.11N 33.94E 1119Z 11 MAR WATCH  
CROATIA - DUBROVNIK 42.64N 18.10E 1056Z 11 MAR WATCH  
CROATIA - SOBRA 42.79N 17.62E 1109Z 11 MAR WATCH  
CROATIA - PALAGRUZA 42.39N 16.26E 1114Z 11 MAR WATCH  
CROATIA - VELA\_LUKA 42.96N 16.70E 1125Z 11 MAR WATCH  
CROATIA - STARI\_GRAD 43.18N 16.58E 1157Z 11 MAR WATCH  
CROATIA - SPLIT 43.50N 16.44E 1206Z 11 MAR WATCH  
CROATIA - ZIRJE 43.63N 15.69E 1211Z 11 MAR WATCH  
CROATIA - VELI\_RAT 44.15N 14.82E 1254Z 11 MAR WATCH  
CROATIA - MALI\_LOSINJ 44.54N 14.43E 1333Z 11 MAR WATCH  
CROATIA - PULA 44.85N 13.82E 1413Z 11 MAR WATCH  
CROATIA - RIJEKA 45.34N 14.37E 1427Z 11 MAR WATCH  
CROATIA - POREC 45.22N 13.58E 1457Z 11 MAR WATCH  
MONTENEGRO - BAR 42.10N 19.06E 1104Z 11 MAR WATCH  
LEBANON - BEIRUT 33.92N 35.55E 1118Z 11 MAR WATCH  
LEBANON - BATROUN 34.25N 35.66E 1119Z 11 MAR WATCH  
LEBANON - TYRE 33.29N 35.20E 1119Z 11 MAR WATCH  
LEBANON - TRIPOLI\_LEB 34.48N 35.82E 1126Z 11 MAR WATCH  
SYRIA - TARTOUS 35.00N 35.50E 1120Z 11 MAR WATCH  
SYRIA - LATTAKIA 35.50N 35.50E 1126Z 11 MAR WATCH  
ISRAEL - NAHARIYA 33.01N 35.07E 1121Z 11 MAR WATCH  
ISRAEL - HAIFA 32.80N 34.94E 1123Z 11 MAR WATCH  
ISRAEL - HADERA 32.47N 34.86E 1127Z 11 MAR WATCH  
ISRAEL - TEL\_AVIV 32.08N 34.75E 1134Z 11 MAR WATCH  
ISRAEL - ASHDOD\_PORT 31.85N 34.65E 1134Z 11 MAR WATCH  
ISRAEL - ASHDOD\_M 31.83N 34.64E 1136Z 11 MAR WATCH  
ISRAEL - ASHKELON\_M 31.63N 34.49E 1137Z 11 MAR WATCH  
ISRAEL - ASHDOD 31.49N 34.38E 1140Z 11 MAR WATCH  
ISRAEL - ASHKELON 31.42N 34.33E 1143Z 11 MAR WATCH  
FRANCE - SOLENZARA 41.83N 9.40E 1136Z 11 MAR WATCH

FRANCE - BASTIA 42.70N 9.45E 1151Z 11 MAR WATCH  
FRANCE - CENTURI 42.97N 9.35E 1211Z 11 MAR WATCH  
FRANCE - L\_ILE\_ROUSSE 42.64N 8.93E 1217Z 11 MAR WATCH  
FRANCE - AJACCIO 41.93N 8.78E 1221Z 11 MAR WATCH  
FRANCE - NICE 43.70N 7.27E 1226Z 11 MAR WATCH  
FRANCE - LA\_FIGUEIRETTE 43.48N 6.93E 1229Z 11 MAR WATCH  
FRANCE - CANNES 43.55N 7.03E 1230Z 11 MAR WATCH  
FRANCE - PORT\_FERREOL 43.36N 6.72E 1231Z 11 MAR WATCH  
FRANCE - TOULONE 43.11N 5.97E 1234Z 11 MAR WATCH  
FRANCE - PORT\_VENDRE 42.52N 3.11E 1249Z 11 MAR WATCH  
FRANCE - MARSEILLE 43.31N 5.38E 1251Z 11 MAR WATCH  
FRANCE - FOS\_SUR\_MER 43.40N 4.89E 1307Z 11 MAR WATCH  
FRANCE - PORT\_LA\_NOUVELLE 43.01N 3.04E 1319Z 11 MAR WATCH  
FRANCE - SETE 43.40N 3.69E 1321Z 11 MAR WATCH  
TUNISIA - BIZERTE 37.27N 9.91E 1150Z 11 MAR WATCH  
TUNISIA - TABARKA 36.98N 8.78E 1157Z 11 MAR WATCH  
TUNISIA - TUNISI 36.82N 10.33E 1219Z 11 MAR WATCH  
TUNISIA - SOUSSE 35.83N 10.67E 1222Z 11 MAR WATCH  
TUNISIA - ZARZIS 33.50N 11.14E 1306Z 11 MAR WATCH  
TUNISIA - SFAX 34.71N 10.79E 1401Z 11 MAR WATCH  
ALGERIA - ANNABA 36.90N 7.80E 1155Z 11 MAR WATCH  
ALGERIA - BEJAIA 36.74N 5.11E 1208Z 11 MAR WATCH  
ALGERIA - ALGIERS 36.77N 3.09E 1225Z 11 MAR WATCH  
ALGERIA - TENES 36.52N 1.29E 1239Z 11 MAR WATCH  
ALGERIA - ORAN 35.73N 0.64W 1305Z 11 MAR WATCH  
ALGERIA - GHAZAOUET 35.12N 1.87W 1330Z 11 MAR WATCH  
SPAIN - MAHON 39.89N 4.27E 1218Z 11 MAR WATCH  
SPAIN - LA\_MOLA\_DE\_MAHON 39.87N 4.31E 1221Z 11 MAR WATCH  
SPAIN - CIUTADELLA\_DE\_MENORCA 39.99N 3.83E 1229Z 11 MAR WATCH  
SPAIN - ALCUDIA 39.87N 3.12E 1240Z 11 MAR WATCH  
SPAIN - BARCELONA 41.39N 2.18E 1244Z 11 MAR WATCH  
SPAIN - FORMENTERA 38.73N 1.42E 1250Z 11 MAR WATCH  
SPAIN - IBIZA 38.91N 1.44E 1252Z 11 MAR WATCH  
SPAIN - PALMA\_DE\_MALLORCA 39.57N 2.65E 1254Z 11 MAR WATCH  
SPAIN - TARRAGONA 41.12N 1.26E 1255Z 11 MAR WATCH  
SPAIN - CARTAGENA 37.61N 0.98W 1302Z 11 MAR WATCH  
SPAIN - MURCIA 37.60N 0.98W 1302Z 11 MAR WATCH  
SPAIN - CARBONERAS 36.97N 1.90W 1308Z 11 MAR WATCH  
SPAIN - ALICANTE 38.34N 0.48W 1315Z 11 MAR WATCH  
SPAIN - GANDIA 39.00N 0.15W 1323Z 11 MAR WATCH  
SPAIN - SAGUNTO 39.63N 0.21W 1324Z 11 MAR WATCH  
SPAIN - ALBORAN\_ISLAND 35.94N 3.03W 1324Z 11 MAR WATCH  
SPAIN - ALMERIA 36.84N 2.47W 1327Z 11 MAR WATCH  
SPAIN - VALENCIA 39.48N 0.38W 1329Z 11 MAR WATCH  
SPAIN - CASTELLON\_DE\_LA\_PLANA 39.99N 0.04W 1334Z 11 MAR WATCH  
SPAIN - MOTRIL 36.72N 3.52W 1334Z 11 MAR WATCH  
SPAIN - MELILLA 35.30N 2.94W 1341Z 11 MAR WATCH  
SPAIN - TARIFA 36.01N 5.60W 1352Z 11 MAR WATCH  
SPAIN - MALAGA 36.72N 4.42W 1354Z 11 MAR WATCH  
SPAIN - CEUTA 35.89N 5.32W 1356Z 11 MAR WATCH  
SPAIN - BONANZA2 36.80N 6.34W 1358Z 11 MAR WATCH  
SPAIN - HUELVA 37.13N 6.83W 1358Z 11 MAR WATCH  
SPAIN - ALGECIRAS 36.13N 5.45W 1358Z 11 MAR WATCH  
SPAIN - CADIZ 36.53N 6.28W 1358Z 11 MAR WATCH  
BOSNIA\_HERZEGOVINA - NEUM 42.92N 17.60E 1220Z 11 MAR WATCH  
MONACO - MONACO\_FONTVIEILLE 43.72N 7.45E 1226Z 11 MAR WATCH  
MONACO - MONTE\_CARLO 43.73N 7.43E 1226Z 11 MAR WATCH  
MOROCCO - SAIDIA\_MARINA 35.11N 2.29W 1335Z 11 MAR WATCH  
MOROCCO - EL\_HOCEIMA 35.24N 3.90W 1345Z 11 MAR WATCH  
MOROCCO - FNIDEQ 35.84N 5.33W 1356Z 11 MAR WATCH  
MOROCCO - RABAT 34.05N 6.86W 1400Z 11 MAR WATCH  
MOROCCO - TANGIER 35.80N 5.79W 1400Z 11 MAR WATCH  
UK - GIBRALTAR 36.13N 5.37W 1356Z 11 MAR WATCH

SLOVENIA - KOPER 45.56N 13.71E 1548Z 11 MAR WATCH

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY  
GAUGE LOCATION LAT LON TIME AMPL PER

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GREECE - KAPSALI 36.14N 23.00E 1021Z 11 MAR 4.42M 14MIN  
GREECE - KORONI 36.80N 21.96E 0923Z 11 MAR 3.55M 14MIN  
GREECE - PALEOCHORA 35.22N 23.68E 0927Z 11 MAR 0.59M 13MIN  
GREECE - KATAKOLO 37.64N 21.32E 0932Z 11 MAR 0.85M  
GREECE - KALAMATA 37.02N 22.11E 0928Z 11 MAR 5.21M 18MIN  
GREECE - ZAKINTHOS 37.78N 20.91E 0928Z 11 MAR 0.71 15MIN  
GREECE - PREVEZA 38.95N 20.73E 1000Z 11 MAR 0.42M  
GREECE - SANTORINI\_PORI 36.46N 25.43E 1010Z 11 MAR 0.14M  
GREECE - IERAPETRA 35.01N 25.74E 1024Z 11 MAR 0.41M  
GREECE - HAKALEIO 35.35N 25.15E 1005Z 11 MAR 0.35M  
GREECE - PEIRAIAS 37.93N 23.62E 1032Z 11 MAR 0.48M  
GREECE - KASOS 35.42N 26.92E 1040Z 11 MAR 0.14M  
GREECE - SYROS 37.44N 24.94E 1034Z 11 MAR 0.30M  
GREECE - KALATHOS 36.11N 28.07E 1030Z 11 MAR 0.05M  
GREECE - KERKYRA\_IMEROLIA 39.79N 19.91E 1040Z 11 MAR 0.43M  
ITALY - CROTONE 39.08N 17.13E 1005Z 11 MAR 0.44M  
ITALY - LE\_CASTELLA 38.91N 17.03E 1004Z 11 MAR 0.41M  
ITALY - ROCCELLA\_JONICA 38.33N 16.43E 1031Z 11 MAR 0.89M  
ITALY - CATANIA 37.50N 15.09E 1013Z 11 MAR 0.80M  
ITALY - REGGIO\_CALABRIA 38.12N 15.65E 1015Z 11 MAR 0.71M  
ITALY - PORTOPALO 36.67N 15.12E 1018Z 11 MAR 0.56M  
ITALY - MESSINA 38.20N 15.56E 1016Z 11 MAR 0.81  
ITALY - OTRANTO 40.15N 18.50E 1025Z 11 MAR 0.49  
ITALY - TARANTO 40.48N 17.22E 1026Z 11 MAR 0.16  
MALTA - MARSAXLOKK 35.83N 14.55E 1040Z 11 MAR 0.11M  
MALTA - PORTOMASO 35.92N 14.49E 1040Z 11 MAR 0.10M  
TSUNAMI\_BUOY\_INGV\_01 36.83N 16.50E 0954Z 11 MAR 0.14M  
TSUNAMI\_BUOY\_INGV\_02 38.67N 18.17E 0950Z 11 MAR 0.09M

LAT – LATITUDE (N–NORTH, S–SOUTH)

LON – LONGITUDE (E–EAST, W–WEST)

TIME – TIME OF THE MEASUREMENT (Z IS UTC TIME)

AMPL – TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL

IT IS ..NOT.. CREST–TO–TROUGH WAVE HEIGHT.

VALUES ARE GIVE N IN METERS (M)

PER – PERIOD OF TIME IN MINUTES (MIN) FROM WAVE TO THE NEXT.

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND  
EVALUATION ALLOWS.

**T(n12): 12:30 UTC (Dissemination of the final message)**

TSUNAMI MESSAGE NUMBER 006

NEAM INGV IT-NTWC TSUNAMI SERVICE PROVIDER

ISSUED AT 1230Z 11 MAR 2026

... END OF TSUNAMI WATCH ...

THIS ALERT APPLIES TO ALBANIA ... ALGERIA ... BOSNIA\_HERZEGOVINA ...

CROATIA ... CYPRUS ... EGYPT ... FRANCE ... GREECE ... ISRAEL ...

ITALY ... LEBANON ... LIBYA ... MALTA ... MONACO ... MONTENEGRO ...

MOROCCO ... SLOVENIA ... SPAIN ... SYRIA ... TUNISIA ... TURKIYE ...

UK

THIS ALERT IS ADDRESSED TO ALL COUNTRIES AND INSTITUTIONS SUBSCRIBED  
TO THE SERVICES OF INGV IT-NTWC TSUNAMI SERVICE PROVIDER IN ITS MONITORING AREA

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY  
NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE  
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY  
ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0910Z 11 MAR 2026  
COORDINATES - 36.40 NORTH 22.20 EAST  
DEPTH - 20 KM  
LOCATION - TEST  
MAGNITUDE - 7.9

ALERT LEVEL IS ASSIGNED ACCORDING TO THE ABOVE ESTIMATIONS OF  
EARTHQUAKE PARAMETERS AND BASED ON THE MODIFIED ICG/NEAMTWS DECISION MATRIX

EVALUATION OF TSUNAMI WATCH  
SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
OBSERVATIONS AND MODELS INDICATE THAT NO MORE TSUNAMI WAVES ARE  
EXPECTED.

THIS WILL BE THE FINAL MESSAGE ISSUED FOR THIS EVENT UNLESS ADDITIONAL INFORMATION BECOMES AVAILABLE.

### **NEAMWave26 – TSP HLNTWC-NOA Exercise messages**

Below are reported the alert messages to be issued by NOA during the exercise; while the text of these messages is the same when transmitted by email, an additional line at the beginning of the message is inserted for the GTS transmission. This line is **WEME40 LGAT ddHHmm**, where **dd**, **HH**, and **mm** indicate day, hour, and minutes respectively, associate to message's issue time. Enhanced products (Alert Level at Forecast Points with Tsunami Travel Time Map) will be disseminated as e-mail attachment of NOA message 001.

#### **T(n3): 09:18 UTC - NOA MESSAGE #001**

TSUNAMI MESSAGE NUMBER 001  
NEAM NOA HL-NTWC TSUNAMI SERVICE PROVIDER  
ISSUED AT 0918Z 11 MAR 2026

... TSUNAMI WATCH ...  
THIS ALERT APPLIES TO CROATIA...CYPRUS...FRANCE...GREECE...ISRAEL...ITALY...  
LEBANON...MONACO...SPAIN...SYRIA...TURKIYE...UNITED KINGDOM

... TSUNAMI INFORMATION ...  
THIS ALERT APPLIES TO BELGIUM ... EGYPT ... FRANCE ... GERMANY ... GREECE ...  
CYPRUS ... ISRAEL ... ITALY ... LEBANON ... PORTUGAL ... SPAIN ... SWEDEN ...  
TURKIYE ... UNITED KINGDOM ... IOC (UNESCO) .... ERCC (EUROPEAN COMMISSION)

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL  
GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE  
OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0910 UTC WED MAR 11 2026  
COORDINATES - 36.40 NORTH 22.20 EAST  
DEPTH - 20.0 KM  
LOCATION - S PELOPONNESE  
MAGNITUDE - 7.9 M

EVALUATION OF TSUNAMI WATCH  
IT IS NOT KNOWN THAT A TSUNAMI WAS GENERATED. THIS MESSAGE IS BASED ONLY ON THE  
EARTHQUAKE EVALUATION. AN EARTHQUAKE OF THIS SIZE HAS THE POTENTIAL TO GENERATE  
A TSUNAMI THAT CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M  
AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. AUTHORITIES SHOULD TAKE  
APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. THIS CENTER WILL MONITOR  
SEA LEVEL DATA FROM GAUGES NEAR THE EARTHQUAKE TO DETERMINE IF A TSUNAMI WAS  
GENERATED AND ESTIMATE THE SEVERITY OF THE THREAT. A TSUNAMI IS A SERIES OF  
WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE

PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH/ADVISORY AREA GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.

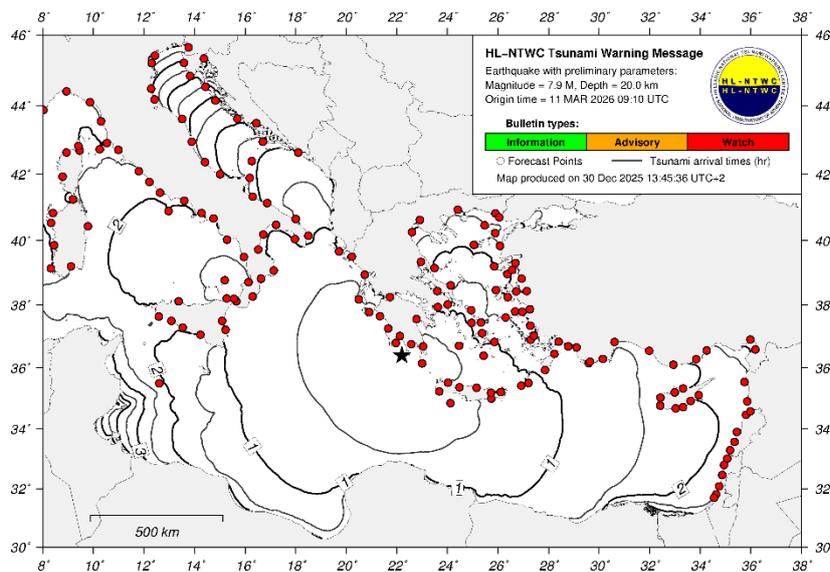
LOCATION	FP COORDINATES	ARRIVAL TIME	ALERT LEVEL
CROATIA-DUBROVNIK	42.64N 18.10E	1102Z	11 MAR WATCH
CROATIA-PALAGRUZA	42.39N 16.26E	1121Z	11 MAR WATCH
CROATIA-VELA LUKA	42.96N 16.70E	1147Z	11 MAR WATCH
CROATIA-ZIRJE	43.63N 15.69E	1212Z	11 MAR WATCH
CROATIA-VELI RAT (DUGI OTOK)	44.15N 14.82E	1300Z	11 MAR WATCH
CROATIA-SPLIT	43.50N 16.44E	1307Z	11 MAR WATCH
CROATIA-MALI LOSINJ	44.54N 14.43E	1345Z	11 MAR WATCH
CROATIA-PULA	44.85N 13.82E	1435Z	11 MAR WATCH
CROATIA-POREC	45.22N 13.58E	1509Z	11 MAR WATCH
CROATIA-RIJEKA	45.34N 14.37E	1616Z	11 MAR WATCH
CYPRUS-PAFOS	34.77N 32.42E	1050Z	11 MAR WATCH
CYPRUS-POLIS	35.03N 32.43E	1055Z	11 MAR WATCH
CYPRUS-LEMESOS	34.68N 33.03E	1100Z	11 MAR WATCH
CYPRUS-VASILIKO	34.72N 33.32E	1102Z	11 MAR WATCH
CYPRUS-MORFOU	35.20N 32.99E	1103Z	11 MAR WATCH
CYPRUS-KERYNEIA	35.33N 33.32E	1105Z	11 MAR WATCH
CYPRUS-LARNAKA	34.92N 33.62E	1116Z	11 MAR WATCH
CYPRUS-AMMOCHOSTOS	35.11N 33.94E	1127Z	11 MAR WATCH
FRANCE-BASTIA	42.70N 9.45E	1158Z	11 MAR WATCH
FRANCE-SOLENZARA	42.83N 9.40E	1221Z	11 MAR WATCH
FRANCE-L'ILE ROUSSE	42.64N 8.93E	1223Z	11 MAR WATCH
FRANCE-AJACCIO	41.93N 8.78E	1226Z	11 MAR WATCH
FRANCE-NICE	43.70N 7.27E	1233Z	11 MAR WATCH
FRANCE-CANNES	43.55N 7.03E	1238Z	11 MAR WATCH
FRANCE-TOULONE	43.11N 5.97E	1241Z	11 MAR WATCH
FRANCE-PORT VENDRE	42.52N 3.11E	1259Z	11 MAR WATCH
FRANCE-MARSEILLE	43.31N 5.38E	1300Z	11 MAR WATCH
FRANCE-SETE	43.40N 3.69E	1328Z	11 MAR WATCH
GREECE-KALAMATA	37.02N 22.12E	0914Z	11 MAR WATCH
GREECE-KORONI	36.80N 21.96E	0915Z	11 MAR WATCH
GREECE-KYTHIRA KAPSALI	36.14N 23.00E	0919Z	11 MAR WATCH
GREECE-GYTHEIO	36.76N 22.57E	0922Z	11 MAR WATCH
GREECE-KYPARISSIA	37.26N 21.66E	0926Z	11 MAR WATCH
GREECE-KATAKOLO	37.65N 21.33E	0929Z	11 MAR WATCH
GREECE-ZAKYNTHOS	37.78N 20.91E	0932Z	11 MAR WATCH
GREECE-CRETE PALAIOCHORA	35.23N 23.68E	0932Z	11 MAR WATCH
GREECE-GAVDOS KARAVE	34.85N 24.12E	0933Z	11 MAR WATCH
GREECE-MONEMVASIA	36.69N 23.04E	0934Z	11 MAR WATCH
GREECE-CRETE CHANIA	35.52N 24.02E	0946Z	11 MAR WATCH
GREECE-CRETE IERAPETRA	35.00N 25.74E	0948Z	11 MAR WATCH
GREECE-CRETE RETHYMNON	35.37N 24.48E	0950Z	11 MAR WATCH
GREECE-CORFU PALAIOKASTRITSA	39.67N 19.71E	0958Z	11 MAR WATCH
GREECE-KEFALONIA ARGOSTOLI	38.18N 20.49E	0959Z	11 MAR WATCH
GREECE-CRETE HERAKLEION	35.35N 25.15E	1000Z	11 MAR WATCH
GREECE-SANTORINI ORMOS FIRON	36.39N 25.43E	1000Z	11 MAR WATCH
GREECE-PREVEZA PADOKRATORAS	38.95N 20.73E	1002Z	11 MAR WATCH
GREECE-NAFPLIO	37.56N 22.78E	1002Z	11 MAR WATCH
GREECE-KARPATHOS	35.51N 27.21E	1008Z	11 MAR WATCH
GREECE-KASOS FRI	35.42N 26.92E	1013Z	11 MAR WATCH
GREECE-RHODES PLIMMYRI	35.93N 27.86E	1016Z	11 MAR WATCH
GREECE-IGOUMENITSA	39.51N 20.22E	1016Z	11 MAR WATCH
GREECE-AMORGOS KATAPOLA	36.83N 25.86E	1017Z	11 MAR WATCH

GREECE-CRETE AG NIKOLAOS	35.19N	25.72E	1017Z	11 MAR	WATCH
GREECE-PIRAEUS	37.94N	23.62E	1019Z	11 MAR	WATCH
GREECE-SYROS ERMOUPOLI	37.44N	24.95E	1022Z	11 MAR	WATCH
GREECE-PATRAS	38.25N	21.73E	1022Z	11 MAR	WATCH
GREECE-CRETE SITIA	35.21N	26.11E	1026Z	11 MAR	WATCH
GREECE-RHODES	36.45N	28.23E	1027Z	11 MAR	WATCH
GREECE-MYKONOS	37.45N	25.33E	1030Z	11 MAR	WATCH
GREECE-MILOS ADAMANTAS	36.71N	24.46E	1031Z	11 MAR	WATCH
GREECE-ANDROS	37.84N	24.94E	1034Z	11 MAR	WATCH
GREECE-IKARIA AG KIRYKOS	37.61N	26.30E	1036Z	11 MAR	WATCH
GREECE-RAFINA	38.02N	24.01E	1037Z	11 MAR	WATCH
GREECE-KOS	36.90N	27.29E	1041Z	11 MAR	WATCH
GREECE-KASTELORIZO MEGISTI	36.15N	29.59E	1041Z	11 MAR	WATCH
GREECE-NAXOS	37.11N	25.37E	1044Z	11 MAR	WATCH
GREECE-CHIOS VOLLISSOS	38.47N	25.92E	1048Z	11 MAR	WATCH
GREECE-SAMOS KARLOVASI	37.80N	26.68E	1050Z	11 MAR	WATCH
GREECE-EVIA KYMI	38.62N	24.13E	1053Z	11 MAR	WATCH
GREECE-SAMOS	37.79N	26.96E	1059Z	11 MAR	WATCH
GREECE-LESBOS PLOMARI	38.97N	26.37E	1106Z	11 MAR	WATCH
GREECE-LESBOS SIGRI	39.21N	25.85E	1107Z	11 MAR	WATCH
GREECE-SKIATHOS	39.16N	23.49E	1107Z	11 MAR	WATCH
GREECE-LEMNOS MYRINA	39.87N	25.05E	1119Z	11 MAR	WATCH
GREECE-SAMOTHRAKI KAMARIOTISSA	40.47N	25.47E	1137Z	11 MAR	WATCH
GREECE-LESBOS MYTILENE	39.10N	26.56E	1137Z	11 MAR	WATCH
GREECE-VOLOS	39.35N	22.95E	1141Z	11 MAR	WATCH
GREECE-KATERINI	40.26N	22.60E	1208Z	11 MAR	WATCH
GREECE-KAVALA	40.94N	24.41E	1209Z	11 MAR	WATCH
GREECE-ALEXANDROUPOLI	40.83N	25.90E	1219Z	11 MAR	WATCH
GREECE-THESSALONIKI	40.63N	22.91E	1312Z	11 MAR	WATCH
GREECE-EVIA CHALKIDA	38.44N	23.60E	1334Z	11 MAR	WATCH
ISRAEL-HAIFA	32.80N	34.94E	1125Z	11 MAR	WATCH
ISRAEL-NAHARIYA	33.01N	35.07E	1127Z	11 MAR	WATCH
ISRAEL-HADERA	32.46N	34.87E	1130Z	11 MAR	WATCH
ISRAEL-TEL AVIV	32.08N	34.75E	1136Z	11 MAR	WATCH
ISRAEL-ASHDOD	31.81N	34.63E	1140Z	11 MAR	WATCH
ISRAEL-ASHKELON	31.69N	34.55E	1143Z	11 MAR	WATCH
ITALY-SIDERNO	38.27N	16.30E	1003Z	11 MAR	WATCH
ITALY-CATANZARO	38.83N	16.63E	1005Z	11 MAR	WATCH
ITALY-CROTONE	39.08N	17.13E	1008Z	11 MAR	WATCH
ITALY-REGGIO CALABRIA	38.12N	15.65E	1010Z	11 MAR	WATCH
ITALY-MESSINA	38.20N	15.56E	1011Z	11 MAR	WATCH
ITALY-CATANIA	37.50N	15.09E	1012Z	11 MAR	WATCH
ITALY-GALLIPOLI	40.05N	17.97E	1014Z	11 MAR	WATCH
ITALY-LAGHI DI SIBARI	39.73N	16.52E	1018Z	11 MAR	WATCH
ITALY-SIRACUSA	37.22N	15.23E	1019Z	11 MAR	WATCH
ITALY-OTRANTO	40.15N	18.50E	1022Z	11 MAR	WATCH
ITALY-GINOSTRA	38.78N	15.19E	1031Z	11 MAR	WATCH
ITALY-POLICORO LIDO	40.19N	16.72E	1032Z	11 MAR	WATCH
ITALY-MILAZZO	38.21N	15.27E	1033Z	11 MAR	WATCH
ITALY-TARANTO	40.48N	17.22E	1034Z	11 MAR	WATCH
ITALY-VIBO MARINA	38.72N	16.13E	1042Z	11 MAR	WATCH
ITALY-BRINDISI	40.66N	18.00E	1043Z	11 MAR	WATCH
ITALY-CETRARO	39.50N	15.95E	1046Z	11 MAR	WATCH
ITALY-PALINURO	40.03N	15.28E	1051Z	11 MAR	WATCH
ITALY-PALERMO	38.12N	13.37E	1059Z	11 MAR	WATCH
ITALY-BARI	41.14N	16.87E	1102Z	11 MAR	WATCH
ITALY-PONZA	40.90N	12.97E	1106Z	11 MAR	WATCH
ITALY-NAPOLI	40.84N	14.27E	1110Z	11 MAR	WATCH
ITALY-SALERNO	40.68N	14.75E	1111Z	11 MAR	WATCH
ITALY-GELA	37.06N	14.23E	1112Z	11 MAR	WATCH
ITALY-LAMPEDUSA	35.50N	12.60E	1119Z	11 MAR	WATCH
ITALY-GAETA	41.21N	13.59E	1119Z	11 MAR	WATCH
ITALY-PORTO EMPEDOCLE	37.29N	13.53E	1119Z	11 MAR	WATCH

ITALY-ANZIO	41.45N	12.63E	1124Z	11 MAR	WATCH
ITALY-SCIACCA	37.50N	13.08E	1128Z	11 MAR	WATCH
ITALY-FIUMICINO	41.77N	12.21E	1132Z	11 MAR	WATCH
ITALY-VIESTE	41.89N	16.18E	1132Z	11 MAR	WATCH
ITALY-OROSEI	40.44N	9.78E	1133Z	11 MAR	WATCH
ITALY-CIVITAVECCHIA	42.09N	11.79E	1134Z	11 MAR	WATCH
ITALY-BARLETTA	41.33N	16.30E	1135Z	11 MAR	WATCH
ITALY-MAZARA DEL VALLO	37.64N	12.58E	1145Z	11 MAR	WATCH
ITALY-CAGLIARI	39.21N	9.11E	1152Z	11 MAR	WATCH
ITALY-MARINA DI CAMPO	42.74N	10.24E	1155Z	11 MAR	WATCH
ITALY-MARINA DI GROSSETO	42.72N	10.98E	1156Z	11 MAR	WATCH
ITALY-SANTA TERESA DI GALLURA	41.25N	9.19E	1157Z	11 MAR	WATCH
ITALY-PIOMBINO	42.92N	10.53E	1206Z	11 MAR	WATCH
ITALY-CARLOFORTE	39.15N	8.31E	1217Z	11 MAR	WATCH
ITALY-TERMOLI	42.00N	15.01E	1222Z	11 MAR	WATCH
ITALY-ALGHERO	40.54N	8.32E	1225Z	11 MAR	WATCH
ITALY-ORISTANO	39.86N	8.44E	1225Z	11 MAR	WATCH
ITALY-IMPERIA	43.88N	8.02E	1230Z	11 MAR	WATCH
ITALY-GENOVA	44.41N	8.93E	1233Z	11 MAR	WATCH
ITALY-LIVORNO	43.55N	10.30E	1233Z	11 MAR	WATCH
ITALY-ORTONA	42.36N	14.41E	1240Z	11 MAR	WATCH
ITALY-PORTO TORRES	40.84N	8.40E	1248Z	11 MAR	WATCH
ITALY-LA SPEZIA	44.10N	9.86E	1302Z	11 MAR	WATCH
ITALY-SAN BENEDETTO DEL TRONTO	42.96N	13.89E	1308Z	11 MAR	WATCH
ITALY-ANCONA	43.62N	13.51E	1339Z	11 MAR	WATCH
ITALY-CESENATICO	44.18N	12.42E	1511Z	11 MAR	WATCH
ITALY-RAVENNA	44.49N	12.28E	1524Z	11 MAR	WATCH
ITALY-CHIOGGIA	45.21N	12.30E	1555Z	11 MAR	WATCH
ITALY-VENEZIA	45.42N	12.43E	1613Z	11 MAR	WATCH
ITALY-TRIESTE	45.65N	13.76E	1614Z	11 MAR	WATCH
LEBANON-BEIRUT	33.90N	35.45E	1120Z	11 MAR	WATCH
LEBANON-TYRE	33.29N	35.18E	1122Z	11 MAR	WATCH
LEBANON-SIDON	33.57N	35.36E	1123Z	11 MAR	WATCH
LEBANON-TRIPOLI	34.47N	35.81E	1131Z	11 MAR	WATCH
LEBANON-QLAIAAT	34.58N	35.98E	1138Z	11 MAR	WATCH
MONACO-MONTE-CARLO	43.73N	7.43E	1234Z	11 MAR	WATCH
SPAIN-MAHÓN	39.89N	4.27E	1229Z	11 MAR	WATCH
SPAIN-BARCELONA	41.39N	2.18E	1251Z	11 MAR	WATCH
SPAIN-IBIZA	38.91N	1.44E	1258Z	11 MAR	WATCH
SPAIN-TARRAGONA	41.12N	1.26E	1301Z	11 MAR	WATCH
SPAIN-CARTAGENA	37.61N	0.98W	1306Z	11 MAR	WATCH
SPAIN-PALMA DE MALLORCA	39.57N	2.65E	1308Z	11 MAR	WATCH
SPAIN-ALICANTE	38.35N	0.48W	1322Z	11 MAR	WATCH
SPAIN-ALMERÍA	36.84N	2.47W	1327Z	11 MAR	WATCH
SPAIN-VALENCIA	39.48N	0.38W	1330Z	11 MAR	WATCH
SPAIN-MELILLA	35.30N	2.94W	1347Z	11 MAR	WATCH
SPAIN-MÁLAGA	36.72N	4.42W	1357Z	11 MAR	WATCH
SPAIN-ALGECIRAS	36.13N	5.45W	1400Z	11 MAR	WATCH
SPAIN-CASTELLON DE LA PLANA	39.99N	0.04W	1408Z	11 MAR	WATCH
SPAIN-CEUTA	35.89N	5.32W	1419Z	11 MAR	WATCH
SYRIA-TARTOUS	34.91N	35.86E	1130Z	11 MAR	WATCH
SYRIA-LATTAKIA	35.54N	35.75E	1140Z	11 MAR	WATCH
TURKIYE-MUGLA DALAMAN	36.69N	28.78E	1027Z	11 MAR	WATCH
TURKIYE-ANTALYA KAS	36.20N	29.64E	1043Z	11 MAR	WATCH
TURKIYE-ANTALYA (M)	36.83N	30.61E	1045Z	11 MAR	WATCH
TURKIYE-MUGLA BODRUM (M)	37.03N	27.42E	1045Z	11 MAR	WATCH
TURKIYE-MUGLA FETHIYE	36.66N	29.11E	1045Z	11 MAR	WATCH
TURKIYE-ANTALYA FINIKE	36.29N	30.15E	1046Z	11 MAR	WATCH
TURKIYE-ANTALYA ALANYA	36.55N	31.98E	1047Z	11 MAR	WATCH
TURKIYE-MUGLA AKSAZ (M)	36.84N	28.40E	1053Z	11 MAR	WATCH
TURKIYE-IZMIR ALACATI	38.25N	26.39E	1057Z	11 MAR	WATCH
TURKIYE-MERSIN BOZYAZI (M)	36.10N	32.94E	1059Z	11 MAR	WATCH
TURKIYE-AYDIN DIDIM	37.35N	27.28E	1102Z	11 MAR	WATCH

TURKIYE-AYDIN KUSADASI 37.87N 27.26E 1106Z 11 MAR WATCH  
TURKIYE-MERSIN TASUCU (M) 36.28N 33.84E 1129Z 11 MAR WATCH  
TURKIYE-MERSIN ERDEMLI (M) 36.56N 34.26E 1130Z 11 MAR WATCH  
TURKIYE-IZMIR ALIAGA 38.83N 26.94E 1134Z 11 MAR WATCH  
TURKIYE-CANAKKALE GOKCEADA (M) 40.23N 25.89E 1141Z 11 MAR WATCH  
TURKIYE-CANAKKALE BOZCAADA 39.84N 26.08E 1148Z 11 MAR WATCH  
TURKIYE-IZMIR MENTES (M) 38.43N 26.72E 1203Z 11 MAR WATCH  
TURKIYE-EDIRNE ENEZ 40.71N 26.05E 1205Z 11 MAR WATCH  
TURKIYE-HATAY ISKENDERUN (M) 36.59N 36.18E 1225Z 11 MAR WATCH  
TURKIYE-BALIKESIR AYVALIK 39.31N 26.69E 1227Z 11 MAR WATCH  
TURKIYE-ADANA YUMURTALIK 36.91N 35.98E 1234Z 11 MAR WATCH  
TURKIYE-IZMIR ALSANCAK 38.44N 27.14E 1301Z 11 MAR WATCH  
UNITED KINGDOM-GIBRALTAR 36.13N 5.37W 1357Z 11 MAR WATCH

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS.  
THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.



**T(n4): 09:22 UTC - NOA MESSAGE #002**

TSUNAMI MESSAGE NUMBER 002  
NEAM NOA HL-NTWC TSUNAMI SERVICE PROVIDER  
ISSUED AT 0922Z 11 MAR 2026

... TSUNAMI WATCH ONGOING ...  
THIS ALERT APPLIES TO CROATIA...CYPRUS...FRANCE...GREECE...ISRAEL...ITALY...  
LEBANON...MONACO...SPAIN...SYRIA...TURKIYE...UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL  
GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE  
OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0910 UTC WED MAR 11 2026  
COORDINATES - 36.40 NORTH 22.20 EAST  
DEPTH - 20.0 KM  
LOCATION - S PELOPONNESE  
MAGNITUDE - 7.9 M

EVALUATION OF TSUNAMI WATCH  
SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR  
CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR  
SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE  
ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE

TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH/ADVISORY AREA GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.

LOCATION	FP COORDINATES	ARRIVAL TIME	ALERT LEVEL
CROATIA-DUBROVNIK	42.64N 18.10E	1102Z	11 MAR WATCH
CROATIA-PALAGRUZA	42.39N 16.26E	1121Z	11 MAR WATCH
CROATIA-VELA LUKA	42.96N 16.70E	1147Z	11 MAR WATCH
CROATIA-ZIRJE	43.63N 15.69E	1212Z	11 MAR WATCH
CROATIA-VELI RAT (DUGI OTOK)	44.15N 14.82E	1300Z	11 MAR WATCH
CROATIA-SPLIT	43.50N 16.44E	1307Z	11 MAR WATCH
CROATIA-MALI LOSINJ	44.54N 14.43E	1345Z	11 MAR WATCH
CROATIA-PULA	44.85N 13.82E	1435Z	11 MAR WATCH
CROATIA-POREC	45.22N 13.58E	1509Z	11 MAR WATCH
CROATIA-RIJEKA	45.34N 14.37E	1616Z	11 MAR WATCH
CYPRUS-PAFOS	34.77N 32.42E	1050Z	11 MAR WATCH
CYPRUS-POLIS	35.03N 32.43E	1055Z	11 MAR WATCH
CYPRUS-LEMESOS	34.68N 33.03E	1100Z	11 MAR WATCH
CYPRUS-VASILIKO	34.72N 33.32E	1102Z	11 MAR WATCH
CYPRUS-MORFOU	35.20N 32.99E	1103Z	11 MAR WATCH
CYPRUS-KERYNEIA	35.33N 33.32E	1105Z	11 MAR WATCH
CYPRUS-LARNAKA	34.92N 33.62E	1116Z	11 MAR WATCH
CYPRUS-AMMOCHOSTOS	35.11N 33.94E	1127Z	11 MAR WATCH
FRANCE-BASTIA	42.70N 9.45E	1158Z	11 MAR WATCH
FRANCE-SOLENZARA	42.83N 9.40E	1221Z	11 MAR WATCH
FRANCE-L'ILE ROUSSE	42.64N 8.93E	1223Z	11 MAR WATCH
FRANCE-AJACCIO	41.93N 8.78E	1226Z	11 MAR WATCH
FRANCE-NICE	43.70N 7.27E	1233Z	11 MAR WATCH
FRANCE-CANNES	43.55N 7.03E	1238Z	11 MAR WATCH
FRANCE-TOULONE	43.11N 5.97E	1241Z	11 MAR WATCH
FRANCE-PORT VENDRE	42.52N 3.11E	1259Z	11 MAR WATCH
FRANCE-MARSEILLE	43.31N 5.38E	1300Z	11 MAR WATCH
FRANCE-SETE	43.40N 3.69E	1328Z	11 MAR WATCH
GREECE-KALAMATA	37.02N 22.12E	0914Z	11 MAR WATCH
GREECE-KORONI	36.80N 21.96E	0915Z	11 MAR WATCH
GREECE-KYTHIRA KAPSALI	36.14N 23.00E	0919Z	11 MAR WATCH
GREECE-GYTHEIO	36.76N 22.57E	0922Z	11 MAR WATCH
GREECE-KYPARISSIA	37.26N 21.66E	0926Z	11 MAR WATCH
GREECE-KATAKOLO	37.65N 21.33E	0929Z	11 MAR WATCH
GREECE-ZAKYNTHOS	37.78N 20.91E	0932Z	11 MAR WATCH
GREECE-CRETE PALAIOCHORA	35.23N 23.68E	0932Z	11 MAR WATCH
GREECE-GAVDOS KARAVE	34.85N 24.12E	0933Z	11 MAR WATCH
GREECE-MONEMVASIA	36.69N 23.04E	0934Z	11 MAR WATCH
GREECE-CRETE CHANIA	35.52N 24.02E	0946Z	11 MAR WATCH
GREECE-CRETE IERAPETRA	35.00N 25.74E	0948Z	11 MAR WATCH
GREECE-CRETE RETHYMNON	35.37N 24.48E	0950Z	11 MAR WATCH
GREECE-CORFU PALAIOKASTRITSA	39.67N 19.71E	0958Z	11 MAR WATCH
GREECE-KEFALONIA ARGOSTOLI	38.18N 20.49E	0959Z	11 MAR WATCH
GREECE-CRETE HERAKLEION	35.35N 25.15E	1000Z	11 MAR WATCH
GREECE-SANTORINI ORMOS FIRON	36.39N 25.43E	1000Z	11 MAR WATCH
GREECE-PREVEZA PADOKRATORAS	38.95N 20.73E	1002Z	11 MAR WATCH
GREECE-NAFPLIO	37.56N 22.78E	1002Z	11 MAR WATCH
GREECE-KARPATOS	35.51N 27.21E	1008Z	11 MAR WATCH
GREECE-KASOS FRI	35.42N 26.92E	1013Z	11 MAR WATCH
GREECE-RHODES PLIMMYRI	35.93N 27.86E	1016Z	11 MAR WATCH

GREECE-IGOUMENITSA	39.51N	20.22E	1016Z	11 MAR	WATCH
GREECE-AMORGOS KATAPOLA	36.83N	25.86E	1017Z	11 MAR	WATCH
GREECE-CRETE AG NIKOLAOS	35.19N	25.72E	1017Z	11 MAR	WATCH
GREECE-PIRAEUS	37.94N	23.62E	1019Z	11 MAR	WATCH
GREECE-SYROS ERMOUPOLI	37.44N	24.95E	1022Z	11 MAR	WATCH
GREECE-PATRAS	38.25N	21.73E	1022Z	11 MAR	WATCH
GREECE-CRETE SITIA	35.21N	26.11E	1026Z	11 MAR	WATCH
GREECE-RHODES	36.45N	28.23E	1027Z	11 MAR	WATCH
GREECE-MYKONOS	37.45N	25.33E	1030Z	11 MAR	WATCH
GREECE-MILOS ADAMANTAS	36.71N	24.46E	1031Z	11 MAR	WATCH
GREECE-ANDROS	37.84N	24.94E	1034Z	11 MAR	WATCH
GREECE-IKARIA AG KIRYKOS	37.61N	26.30E	1036Z	11 MAR	WATCH
GREECE-RAFINA	38.02N	24.01E	1037Z	11 MAR	WATCH
GREECE-KOS	36.90N	27.29E	1041Z	11 MAR	WATCH
GREECE-KASTELORIZO MEGISTI	36.15N	29.59E	1041Z	11 MAR	WATCH
GREECE-NAXOS	37.11N	25.37E	1044Z	11 MAR	WATCH
GREECE-CHIOS VOLLISSOS	38.47N	25.92E	1048Z	11 MAR	WATCH
GREECE-SAMOS KARLOVASI	37.80N	26.68E	1050Z	11 MAR	WATCH
GREECE-EVIA KYMI	38.62N	24.13E	1053Z	11 MAR	WATCH
GREECE-SAMOS	37.79N	26.96E	1059Z	11 MAR	WATCH
GREECE-LESBOS PLOMARI	38.97N	26.37E	1106Z	11 MAR	WATCH
GREECE-LESBOS SIGRI	39.21N	25.85E	1107Z	11 MAR	WATCH
GREECE-SKIATHOS	39.16N	23.49E	1107Z	11 MAR	WATCH
GREECE-LEMNOS MYRINA	39.87N	25.05E	1119Z	11 MAR	WATCH
GREECE-SAMOTHRAKI KAMARIOTISSA	40.47N	25.47E	1137Z	11 MAR	WATCH
GREECE-LESBOS MYTILENE	39.10N	26.56E	1137Z	11 MAR	WATCH
GREECE-VOLOS	39.35N	22.95E	1141Z	11 MAR	WATCH
GREECE-KATERINI	40.26N	22.60E	1208Z	11 MAR	WATCH
GREECE-KAVALA	40.94N	24.41E	1209Z	11 MAR	WATCH
GREECE-ALEXANDROUPOLI	40.83N	25.90E	1219Z	11 MAR	WATCH
GREECE-THESSALONIKI	40.63N	22.91E	1312Z	11 MAR	WATCH
GREECE-EVIA CHALKIDA	38.44N	23.60E	1334Z	11 MAR	WATCH
ISRAEL-HAIFA	32.80N	34.94E	1125Z	11 MAR	WATCH
ISRAEL-NAHARIYA	33.01N	35.07E	1127Z	11 MAR	WATCH
ISRAEL-HADERA	32.46N	34.87E	1130Z	11 MAR	WATCH
ISRAEL-TEL AVIV	32.08N	34.75E	1136Z	11 MAR	WATCH
ISRAEL-ASHDOD	31.81N	34.63E	1140Z	11 MAR	WATCH
ISRAEL-ASHKELON	31.69N	34.55E	1143Z	11 MAR	WATCH
ITALY-SIDERNO	38.27N	16.30E	1003Z	11 MAR	WATCH
ITALY-CATANZARO	38.83N	16.63E	1005Z	11 MAR	WATCH
ITALY-CROTONE	39.08N	17.13E	1008Z	11 MAR	WATCH
ITALY-REGGIO CALABRIA	38.12N	15.65E	1010Z	11 MAR	WATCH
ITALY-MESSINA	38.20N	15.56E	1011Z	11 MAR	WATCH
ITALY-CATANIA	37.50N	15.09E	1012Z	11 MAR	WATCH
ITALY-GALLIPOLI	40.05N	17.97E	1014Z	11 MAR	WATCH
ITALY-LAGHI DI SIBARI	39.73N	16.52E	1018Z	11 MAR	WATCH
ITALY-SIRACUSA	37.22N	15.23E	1019Z	11 MAR	WATCH
ITALY-OTRANTO	40.15N	18.50E	1022Z	11 MAR	WATCH
ITALY-GINOSTRA	38.78N	15.19E	1031Z	11 MAR	WATCH
ITALY-POLICORO LIDO	40.19N	16.72E	1032Z	11 MAR	WATCH
ITALY-MILAZZO	38.21N	15.27E	1033Z	11 MAR	WATCH
ITALY-TARANTO	40.48N	17.22E	1034Z	11 MAR	WATCH
ITALY-VIBO MARINA	38.72N	16.13E	1042Z	11 MAR	WATCH
ITALY-BRINDISI	40.66N	18.00E	1043Z	11 MAR	WATCH
ITALY-CETRARO	39.50N	15.95E	1046Z	11 MAR	WATCH
ITALY-PALINURO	40.03N	15.28E	1051Z	11 MAR	WATCH
ITALY-PALERMO	38.12N	13.37E	1059Z	11 MAR	WATCH
ITALY-BARI	41.14N	16.87E	1102Z	11 MAR	WATCH
ITALY-PONZA	40.90N	12.97E	1106Z	11 MAR	WATCH
ITALY-NAPOLI	40.84N	14.27E	1110Z	11 MAR	WATCH
ITALY-SALERNO	40.68N	14.75E	1111Z	11 MAR	WATCH
ITALY-GELA	37.06N	14.23E	1112Z	11 MAR	WATCH
ITALY-LAMPEDUSA	35.50N	12.60E	1119Z	11 MAR	WATCH

ITALY-GAETA	41.21N	13.59E	1119Z	11 MAR	WATCH
ITALY-PORTO EMPEDOCLE	37.29N	13.53E	1119Z	11 MAR	WATCH
ITALY-ANZIO	41.45N	12.63E	1124Z	11 MAR	WATCH
ITALY-SCIACCA	37.50N	13.08E	1128Z	11 MAR	WATCH
ITALY-FIUMICINO	41.77N	12.21E	1132Z	11 MAR	WATCH
ITALY-VIESTE	41.89N	16.18E	1132Z	11 MAR	WATCH
ITALY-OROSEI	40.44N	9.78E	1133Z	11 MAR	WATCH
ITALY-CIVITAVECCHIA	42.09N	11.79E	1134Z	11 MAR	WATCH
ITALY-BARLETTA	41.33N	16.30E	1135Z	11 MAR	WATCH
ITALY-MAZARA DEL VALLO	37.64N	12.58E	1145Z	11 MAR	WATCH
ITALY-CAGLIARI	39.21N	9.11E	1152Z	11 MAR	WATCH
ITALY-MARINA DI CAMPO	42.74N	10.24E	1155Z	11 MAR	WATCH
ITALY-MARINA DI GROSSETO	42.72N	10.98E	1156Z	11 MAR	WATCH
ITALY-SANTA TERESA DI GALLURA	41.25N	9.19E	1157Z	11 MAR	WATCH
ITALY-PIOMBINO	42.92N	10.53E	1206Z	11 MAR	WATCH
ITALY-CARLOFORTE	39.15N	8.31E	1217Z	11 MAR	WATCH
ITALY-TERMOLI	42.00N	15.01E	1222Z	11 MAR	WATCH
ITALY-ALGHERO	40.54N	8.32E	1225Z	11 MAR	WATCH
ITALY-ORISTANO	39.86N	8.44E	1225Z	11 MAR	WATCH
ITALY-IMPERIA	43.88N	8.02E	1230Z	11 MAR	WATCH
ITALY-GENOVA	44.41N	8.93E	1233Z	11 MAR	WATCH
ITALY-LIVORNO	43.55N	10.30E	1233Z	11 MAR	WATCH
ITALY-ORTONA	42.36N	14.41E	1240Z	11 MAR	WATCH
ITALY-PORTO TORRES	40.84N	8.40E	1248Z	11 MAR	WATCH
ITALY-LA SPEZIA	44.10N	9.86E	1302Z	11 MAR	WATCH
ITALY-SAN BENEDETTO DEL TRONTO	42.96N	13.89E	1308Z	11 MAR	WATCH
ITALY-ANCONA	43.62N	13.51E	1339Z	11 MAR	WATCH
ITALY-CESENATICO	44.18N	12.42E	1511Z	11 MAR	WATCH
ITALY-RAVENNA	44.49N	12.28E	1524Z	11 MAR	WATCH
ITALY-CHIOGGIA	45.21N	12.30E	1555Z	11 MAR	WATCH
ITALY-VENEZIA	45.42N	12.43E	1613Z	11 MAR	WATCH
ITALY-TRIESTE	45.65N	13.76E	1614Z	11 MAR	WATCH
LEBANON-BEIRUT	33.90N	35.45E	1120Z	11 MAR	WATCH
LEBANON-TYRE	33.29N	35.18E	1122Z	11 MAR	WATCH
LEBANON-SIDON	33.57N	35.36E	1123Z	11 MAR	WATCH
LEBANON-TRIPOLI	34.47N	35.81E	1131Z	11 MAR	WATCH
LEBANON-QLAIAAT	34.58N	35.98E	1138Z	11 MAR	WATCH
MONACO-MONTE-CARLO	43.73N	7.43E	1234Z	11 MAR	WATCH
SPAIN-MAHÓN	39.89N	4.27E	1229Z	11 MAR	WATCH
SPAIN-BARCELONA	41.39N	2.18E	1251Z	11 MAR	WATCH
SPAIN-IBIZA	38.91N	1.44E	1258Z	11 MAR	WATCH
SPAIN-TARRAGONA	41.12N	1.26E	1301Z	11 MAR	WATCH
SPAIN-CARTAGENA	37.61N	0.98W	1306Z	11 MAR	WATCH
SPAIN-PALMA DE MALLORCA	39.57N	2.65E	1308Z	11 MAR	WATCH
SPAIN-ALICANTE	38.35N	0.48W	1322Z	11 MAR	WATCH
SPAIN-ALMERÍA	36.84N	2.47W	1327Z	11 MAR	WATCH
SPAIN-VALENCIA	39.48N	0.38W	1330Z	11 MAR	WATCH
SPAIN-MELILLA	35.30N	2.94W	1347Z	11 MAR	WATCH
SPAIN-MÁLAGA	36.72N	4.42W	1357Z	11 MAR	WATCH
SPAIN-ALGECIRAS	36.13N	5.45W	1400Z	11 MAR	WATCH
SPAIN-CASTELLON DE LA PLANA	39.99N	0.04W	1408Z	11 MAR	WATCH
SPAIN-CEUTA	35.89N	5.32W	1419Z	11 MAR	WATCH
SYRIA-TARTOUS	34.91N	35.86E	1130Z	11 MAR	WATCH
SYRIA-LATTAKIA	35.54N	35.75E	1140Z	11 MAR	WATCH
TURKIYE-MUGLA DALAMAN	36.69N	28.78E	1027Z	11 MAR	WATCH
TURKIYE-ANTALYA KAS	36.20N	29.64E	1043Z	11 MAR	WATCH
TURKIYE-ANTALYA (M)	36.83N	30.61E	1045Z	11 MAR	WATCH
TURKIYE-MUGLA BODRUM (M)	37.03N	27.42E	1045Z	11 MAR	WATCH
TURKIYE-MUGLA FETHIYE	36.66N	29.11E	1045Z	11 MAR	WATCH
TURKIYE-ANTALYA FINIKE	36.29N	30.15E	1046Z	11 MAR	WATCH
TURKIYE-ANTALYA ALANYA	36.55N	31.98E	1047Z	11 MAR	WATCH
TURKIYE-MUGLA AKSAZ (M)	36.84N	28.40E	1053Z	11 MAR	WATCH
TURKIYE-IZMIR ALACATI	38.25N	26.39E	1057Z	11 MAR	WATCH

TURKIYE-MERSIN BOZYAZI (M) 36.10N 32.94E 1059Z 11 MAR WATCH  
TURKIYE-AYDIN DIDIM 37.35N 27.28E 1102Z 11 MAR WATCH  
TURKIYE-AYDIN KUSADASI 37.87N 27.26E 1106Z 11 MAR WATCH  
TURKIYE-MERSIN TASUCU (M) 36.28N 33.84E 1129Z 11 MAR WATCH  
TURKIYE-MERSIN ERDEMLI (M) 36.56N 34.26E 1130Z 11 MAR WATCH  
TURKIYE-IZMIR ALIAGA 38.83N 26.94E 1134Z 11 MAR WATCH  
TURKIYE-CANAKKALE GOKCEADA (M) 40.23N 25.89E 1141Z 11 MAR WATCH  
TURKIYE-CANAKKALE BOZCAADA 39.84N 26.08E 1148Z 11 MAR WATCH  
TURKIYE-IZMIR MENTES (M) 38.43N 26.72E 1203Z 11 MAR WATCH  
TURKIYE-EDIRNE ENEZ 40.71N 26.05E 1205Z 11 MAR WATCH  
TURKIYE-HATAY ISKENDERUN (M) 36.59N 36.18E 1225Z 11 MAR WATCH  
TURKIYE-BALIKESIR AYVALIK 39.31N 26.69E 1227Z 11 MAR WATCH  
TURKIYE-ADANA YUMURTALIK 36.91N 35.98E 1234Z 11 MAR WATCH  
TURKIYE-IZMIR ALSANCAK 38.44N 27.14E 1301Z 11 MAR WATCH  
UNITED KINGDOM-GIBRALTAR 36.13N 5.37W 1357Z 11 MAR WATCH

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY

COUNTRY	GAUGE LOCATION	LAT	LO	TIME	AMPL	PER
GREECE	KORONI	36.80	21.96	09:20	1.28	
GREECE	KAPSALI	36.14	23.00	09:20	1.99	

LAT - LATITUDE (N-NORTH, S-SOUTH)

LO - LONGITUDE (E-EAST, W-WEST)

TIME - TIME OF THE MEASUREMENT (Z IS UTC TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL.

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN METERS (M).

PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS.  
THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

**T(n7): 09:40 UTC - NOA MESSAGE #003**

TSUNAMI MESSAGE NUMBER 003

NEAM NOA HL-NTWC TSUNAMI SERVICE PROVIDER

ISSUED AT 0940Z 11 MAR 2026

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO CROATIA...CYPRUS...FRANCE...GREECE...ISRAEL...ITALY...

LEBANON...MONACO...SPAIN...SYRIA...TURKIYE...UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL  
GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE  
OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0910 UTC WED MAR 11 2026

COORDINATES - 36.40 NORTH 22.20 EAST

DEPTH - 20.0 KM

LOCATION - S PELOPONNESE

MAGNITUDE - 7.9 M

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR

CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR

SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE

ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE

TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT

BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY

SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI

WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE

FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH/ADVISORY AREA GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.

LOCATION	FP COORDINATES	ARRIVAL TIME	ALERT LEVEL
CROATIA-DUBROVNIK	42.64N 18.10E	1102Z	11 MAR WATCH
CROATIA-PALAGRUZA	42.39N 16.26E	1121Z	11 MAR WATCH
CROATIA-VELA LUKA	42.96N 16.70E	1147Z	11 MAR WATCH
CROATIA-ZIRJE	43.63N 15.69E	1212Z	11 MAR WATCH
CROATIA-VELI RAT (DUGI OTOK)	44.15N 14.82E	1300Z	11 MAR WATCH
CROATIA-SPLIT	43.50N 16.44E	1307Z	11 MAR WATCH
CROATIA-MALI LOSINJ	44.54N 14.43E	1345Z	11 MAR WATCH
CROATIA-PULA	44.85N 13.82E	1435Z	11 MAR WATCH
CROATIA-POREC	45.22N 13.58E	1509Z	11 MAR WATCH
CROATIA-RIJEKA	45.34N 14.37E	1616Z	11 MAR WATCH
CYPRUS-PAFOS	34.77N 32.42E	1050Z	11 MAR WATCH
CYPRUS-POLIS	35.03N 32.43E	1055Z	11 MAR WATCH
CYPRUS-LEMESOS	34.68N 33.03E	1100Z	11 MAR WATCH
CYPRUS-VASILIKO	34.72N 33.32E	1102Z	11 MAR WATCH
CYPRUS-MORFOU	35.20N 32.99E	1103Z	11 MAR WATCH
CYPRUS-KERYNEIA	35.33N 33.32E	1105Z	11 MAR WATCH
CYPRUS-LARNAKA	34.92N 33.62E	1116Z	11 MAR WATCH
CYPRUS-AMMOCHOSTOS	35.11N 33.94E	1127Z	11 MAR WATCH
FRANCE-BASTIA	42.70N 9.45E	1158Z	11 MAR WATCH
FRANCE-SOLENZARA	42.83N 9.40E	1221Z	11 MAR WATCH
FRANCE-L'ILE ROUSSE	42.64N 8.93E	1223Z	11 MAR WATCH
FRANCE-AJACCIO	41.93N 8.78E	1226Z	11 MAR WATCH
FRANCE-NICE	43.70N 7.27E	1233Z	11 MAR WATCH
FRANCE-CANNES	43.55N 7.03E	1238Z	11 MAR WATCH
FRANCE-TOULONE	43.11N 5.97E	1241Z	11 MAR WATCH
FRANCE-PORT VENDRE	42.52N 3.11E	1259Z	11 MAR WATCH
FRANCE-MARSEILLE	43.31N 5.38E	1300Z	11 MAR WATCH
FRANCE-SETE	43.40N 3.69E	1328Z	11 MAR WATCH
GREECE-KALAMATA	37.02N 22.12E	0914Z	11 MAR WATCH
GREECE-KORONI	36.80N 21.96E	0915Z	11 MAR WATCH
GREECE-KYTHIRA KAPSALI	36.14N 23.00E	0919Z	11 MAR WATCH
GREECE-GYTHEIO	36.76N 22.57E	0922Z	11 MAR WATCH
GREECE-KYPARISSIA	37.26N 21.66E	0926Z	11 MAR WATCH
GREECE-KATAKOLO	37.65N 21.33E	0929Z	11 MAR WATCH
GREECE-ZAKYNTHOS	37.78N 20.91E	0932Z	11 MAR WATCH
GREECE-CRETE PALAIOCHORA	35.23N 23.68E	0932Z	11 MAR WATCH
GREECE-GAVDOS KARAVE	34.85N 24.12E	0933Z	11 MAR WATCH
GREECE-MONEMVASIA	36.69N 23.04E	0934Z	11 MAR WATCH
GREECE-CRETE CHANIA	35.52N 24.02E	0946Z	11 MAR WATCH
GREECE-CRETE IERAPETRA	35.00N 25.74E	0948Z	11 MAR WATCH
GREECE-CRETE RETHYMNON	35.37N 24.48E	0950Z	11 MAR WATCH
GREECE-CORFU PALAIOKASTRITSA	39.67N 19.71E	0958Z	11 MAR WATCH
GREECE-KEFALONIA ARGOSTOLI	38.18N 20.49E	0959Z	11 MAR WATCH
GREECE-CRETE HERAKLEION	35.35N 25.15E	1000Z	11 MAR WATCH
GREECE-SANTORINI ORMOS FIRON	36.39N 25.43E	1000Z	11 MAR WATCH
GREECE-PREVEZA PADOKRATORAS	38.95N 20.73E	1002Z	11 MAR WATCH
GREECE-NAFPLIO	37.56N 22.78E	1002Z	11 MAR WATCH
GREECE-KARPATOS	35.51N 27.21E	1008Z	11 MAR WATCH
GREECE-KASOS FRI	35.42N 26.92E	1013Z	11 MAR WATCH
GREECE-RHODES PLIMMYRI	35.93N 27.86E	1016Z	11 MAR WATCH
GREECE-IGOUMENITSA	39.51N 20.22E	1016Z	11 MAR WATCH
GREECE-AMORGOS KATAPOLA	36.83N 25.86E	1017Z	11 MAR WATCH
GREECE-CRETE AG NIKOLAOS	35.19N 25.72E	1017Z	11 MAR WATCH
GREECE-PIRAEUS	37.94N 23.62E	1019Z	11 MAR WATCH

GREECE-SYROS ERMOUPOLI	37.44N	24.95E	1022Z	11 MAR	WATCH
GREECE-PATRAS	38.25N	21.73E	1022Z	11 MAR	WATCH
GREECE-CRETE SITIA	35.21N	26.11E	1026Z	11 MAR	WATCH
GREECE-RHODES	36.45N	28.23E	1027Z	11 MAR	WATCH
GREECE-MYKONOS	37.45N	25.33E	1030Z	11 MAR	WATCH
GREECE-MILOS ADAMANTAS	36.71N	24.46E	1031Z	11 MAR	WATCH
GREECE-ANDROS	37.84N	24.94E	1034Z	11 MAR	WATCH
GREECE-IKARIA AG KIRYKOS	37.61N	26.30E	1036Z	11 MAR	WATCH
GREECE-RAFINA	38.02N	24.01E	1037Z	11 MAR	WATCH
GREECE-KOS	36.90N	27.29E	1041Z	11 MAR	WATCH
GREECE-KASTELORIZO MEGISTI	36.15N	29.59E	1041Z	11 MAR	WATCH
GREECE-NAXOS	37.11N	25.37E	1044Z	11 MAR	WATCH
GREECE-CHIOS VOLLISSOS	38.47N	25.92E	1048Z	11 MAR	WATCH
GREECE-SAMOS KARLOVASI	37.80N	26.68E	1050Z	11 MAR	WATCH
GREECE-EVIA KYMI	38.62N	24.13E	1053Z	11 MAR	WATCH
GREECE-SAMOS	37.79N	26.96E	1059Z	11 MAR	WATCH
GREECE-LESBOS PLOMARI	38.97N	26.37E	1106Z	11 MAR	WATCH
GREECE-LESBOS SIGRI	39.21N	25.85E	1107Z	11 MAR	WATCH
GREECE-SKIATHOS	39.16N	23.49E	1107Z	11 MAR	WATCH
GREECE-LEMNOS MYRINA	39.87N	25.05E	1119Z	11 MAR	WATCH
GREECE-SAMOTHRAKI KAMARIOTISSA	40.47N	25.47E	1137Z	11 MAR	WATCH
GREECE-LESBOS MYTILENE	39.10N	26.56E	1137Z	11 MAR	WATCH
GREECE-VOLOS	39.35N	22.95E	1141Z	11 MAR	WATCH
GREECE-KATERINI	40.26N	22.60E	1208Z	11 MAR	WATCH
GREECE-KAVALA	40.94N	24.41E	1209Z	11 MAR	WATCH
GREECE-ALEXANDROUPOLI	40.83N	25.90E	1219Z	11 MAR	WATCH
GREECE-THESSALONIKI	40.63N	22.91E	1312Z	11 MAR	WATCH
GREECE-EVIA CHALKIDA	38.44N	23.60E	1334Z	11 MAR	WATCH
ISRAEL-HAIFA	32.80N	34.94E	1125Z	11 MAR	WATCH
ISRAEL-NAHARIYA	33.01N	35.07E	1127Z	11 MAR	WATCH
ISRAEL-HADERA	32.46N	34.87E	1130Z	11 MAR	WATCH
ISRAEL-TEL AVIV	32.08N	34.75E	1136Z	11 MAR	WATCH
ISRAEL-ASHDOD	31.81N	34.63E	1140Z	11 MAR	WATCH
ISRAEL-ASHKELON	31.69N	34.55E	1143Z	11 MAR	WATCH
ITALY-SIDERNO	38.27N	16.30E	1003Z	11 MAR	WATCH
ITALY-CATANZARO	38.83N	16.63E	1005Z	11 MAR	WATCH
ITALY-CROTONE	39.08N	17.13E	1008Z	11 MAR	WATCH
ITALY-REGGIO CALABRIA	38.12N	15.65E	1010Z	11 MAR	WATCH
ITALY-MESSINA	38.20N	15.56E	1011Z	11 MAR	WATCH
ITALY-CATANIA	37.50N	15.09E	1012Z	11 MAR	WATCH
ITALY-GALLIPOLI	40.05N	17.97E	1014Z	11 MAR	WATCH
ITALY-LAGHI DI SIBARI	39.73N	16.52E	1018Z	11 MAR	WATCH
ITALY-SIRACUSA	37.22N	15.23E	1019Z	11 MAR	WATCH
ITALY-OTRANTO	40.15N	18.50E	1022Z	11 MAR	WATCH
ITALY-GINOSTRA	38.78N	15.19E	1031Z	11 MAR	WATCH
ITALY-POLICORO LIDO	40.19N	16.72E	1032Z	11 MAR	WATCH
ITALY-MILAZZO	38.21N	15.27E	1033Z	11 MAR	WATCH
ITALY-TARANTO	40.48N	17.22E	1034Z	11 MAR	WATCH
ITALY-VIBO MARINA	38.72N	16.13E	1042Z	11 MAR	WATCH
ITALY-BRINDISI	40.66N	18.00E	1043Z	11 MAR	WATCH
ITALY-CETRARO	39.50N	15.95E	1046Z	11 MAR	WATCH
ITALY-PALINURO	40.03N	15.28E	1051Z	11 MAR	WATCH
ITALY-PALERMO	38.12N	13.37E	1059Z	11 MAR	WATCH
ITALY-BARI	41.14N	16.87E	1102Z	11 MAR	WATCH
ITALY-PONZA	40.90N	12.97E	1106Z	11 MAR	WATCH
ITALY-NAPOLI	40.84N	14.27E	1110Z	11 MAR	WATCH
ITALY-SALERNO	40.68N	14.75E	1111Z	11 MAR	WATCH
ITALY-GELA	37.06N	14.23E	1112Z	11 MAR	WATCH
ITALY-LAMPEDUSA	35.50N	12.60E	1119Z	11 MAR	WATCH
ITALY-GAETA	41.21N	13.59E	1119Z	11 MAR	WATCH
ITALY-PORTO EMPEDOCLE	37.29N	13.53E	1119Z	11 MAR	WATCH
ITALY-ANZIO	41.45N	12.63E	1124Z	11 MAR	WATCH
ITALY-SCIACCA	37.50N	13.08E	1128Z	11 MAR	WATCH

ITALY-FIUMICINO	41.77N	12.21E	1132Z	11 MAR	WATCH
ITALY-VIESTE	41.89N	16.18E	1132Z	11 MAR	WATCH
ITALY-OROSEI	40.44N	9.78E	1133Z	11 MAR	WATCH
ITALY-CIVITAVECCHIA	42.09N	11.79E	1134Z	11 MAR	WATCH
ITALY-BARLETTA	41.33N	16.30E	1135Z	11 MAR	WATCH
ITALY-MAZARA DEL VALLO	37.64N	12.58E	1145Z	11 MAR	WATCH
ITALY-CAGLIARI	39.21N	9.11E	1152Z	11 MAR	WATCH
ITALY-MARINA DI CAMPO	42.74N	10.24E	1155Z	11 MAR	WATCH
ITALY-MARINA DI GROSSETO	42.72N	10.98E	1156Z	11 MAR	WATCH
ITALY-SANTA TERESA DI GALLURA	41.25N	9.19E	1157Z	11 MAR	WATCH
ITALY-PIOMBINO	42.92N	10.53E	1206Z	11 MAR	WATCH
ITALY-CARLOFORTE	39.15N	8.31E	1217Z	11 MAR	WATCH
ITALY-TERMOLI	42.00N	15.01E	1222Z	11 MAR	WATCH
ITALY-ALGHERO	40.54N	8.32E	1225Z	11 MAR	WATCH
ITALY-ORISTANO	39.86N	8.44E	1225Z	11 MAR	WATCH
ITALY-IMPERIA	43.88N	8.02E	1230Z	11 MAR	WATCH
ITALY-GENOVA	44.41N	8.93E	1233Z	11 MAR	WATCH
ITALY-LIVORNO	43.55N	10.30E	1233Z	11 MAR	WATCH
ITALY-ORTONA	42.36N	14.41E	1240Z	11 MAR	WATCH
ITALY-PORTO TORRES	40.84N	8.40E	1248Z	11 MAR	WATCH
ITALY-LA SPEZIA	44.10N	9.86E	1302Z	11 MAR	WATCH
ITALY-SAN BENEDETTO DEL TRONTO	42.96N	13.89E	1308Z	11 MAR	WATCH
ITALY-ANCONA	43.62N	13.51E	1339Z	11 MAR	WATCH
ITALY-CESENATICO	44.18N	12.42E	1511Z	11 MAR	WATCH
ITALY-RAVENNA	44.49N	12.28E	1524Z	11 MAR	WATCH
ITALY-CHIOGGIA	45.21N	12.30E	1555Z	11 MAR	WATCH
ITALY-VENEZIA	45.42N	12.43E	1613Z	11 MAR	WATCH
ITALY-TRIESTE	45.65N	13.76E	1614Z	11 MAR	WATCH
LEBANON-BEIRUT	33.90N	35.45E	1120Z	11 MAR	WATCH
LEBANON-TYRE	33.29N	35.18E	1122Z	11 MAR	WATCH
LEBANON-SIDON	33.57N	35.36E	1123Z	11 MAR	WATCH
LEBANON-TRIPOLI	34.47N	35.81E	1131Z	11 MAR	WATCH
LEBANON-QLAIAAT	34.58N	35.98E	1138Z	11 MAR	WATCH
MONACO-MONTE-CARLO	43.73N	7.43E	1234Z	11 MAR	WATCH
SPAIN-MAHÓN	39.89N	4.27E	1229Z	11 MAR	WATCH
SPAIN-BARCELONA	41.39N	2.18E	1251Z	11 MAR	WATCH
SPAIN-IBIZA	38.91N	1.44E	1258Z	11 MAR	WATCH
SPAIN-TARRAGONA	41.12N	1.26E	1301Z	11 MAR	WATCH
SPAIN-CARTAGENA	37.61N	0.98W	1306Z	11 MAR	WATCH
SPAIN-PALMA DE MALLORCA	39.57N	2.65E	1308Z	11 MAR	WATCH
SPAIN-ALICANTE	38.35N	0.48W	1322Z	11 MAR	WATCH
SPAIN-ALMERÍA	36.84N	2.47W	1327Z	11 MAR	WATCH
SPAIN-VALENCIA	39.48N	0.38W	1330Z	11 MAR	WATCH
SPAIN-MELILLA	35.30N	2.94W	1347Z	11 MAR	WATCH
SPAIN-MÁLAGA	36.72N	4.42W	1357Z	11 MAR	WATCH
SPAIN-ALGECIRAS	36.13N	5.45W	1400Z	11 MAR	WATCH
SPAIN-CASTELLON DE LA PLANA	39.99N	0.04W	1408Z	11 MAR	WATCH
SPAIN-CEUTA	35.89N	5.32W	1419Z	11 MAR	WATCH
SYRIA-TARTOUS	34.91N	35.86E	1130Z	11 MAR	WATCH
SYRIA-LATTAKIA	35.54N	35.75E	1140Z	11 MAR	WATCH
TURKIYE-MUGLA DALAMAN	36.69N	28.78E	1027Z	11 MAR	WATCH
TURKIYE-ANTALYA KAS	36.20N	29.64E	1043Z	11 MAR	WATCH
TURKIYE-ANTALYA (M)	36.83N	30.61E	1045Z	11 MAR	WATCH
TURKIYE-MUGLA BODRUM (M)	37.03N	27.42E	1045Z	11 MAR	WATCH
TURKIYE-MUGLA FETHIYE	36.66N	29.11E	1045Z	11 MAR	WATCH
TURKIYE-ANTALYA FINIKE	36.29N	30.15E	1046Z	11 MAR	WATCH
TURKIYE-ANTALYA ALANYA	36.55N	31.98E	1047Z	11 MAR	WATCH
TURKIYE-MUGLA AKSAZ (M)	36.84N	28.40E	1053Z	11 MAR	WATCH
TURKIYE-IZMIR ALACATI	38.25N	26.39E	1057Z	11 MAR	WATCH
TURKIYE-MERSIN BOZYAZI (M)	36.10N	32.94E	1059Z	11 MAR	WATCH
TURKIYE-AYDIN DIDIM	37.35N	27.28E	1102Z	11 MAR	WATCH
TURKIYE-AYDIN KUSADASI	37.87N	27.26E	1106Z	11 MAR	WATCH
TURKIYE-MERSIN TASUCU (M)	36.28N	33.84E	1129Z	11 MAR	WATCH

TURKIYE-MERSIN ERDEMLI (M) 36.56N 34.26E 1130Z 11 MAR WATCH  
TURKIYE-IZMIR ALIAGA 38.83N 26.94E 1134Z 11 MAR WATCH  
TURKIYE-CANAKKALE GOKCEADA (M) 40.23N 25.89E 1141Z 11 MAR WATCH  
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TURKIYE-IZMIR MENTES (M) 38.43N 26.72E 1203Z 11 MAR WATCH  
TURKIYE-EDIRNE ENEZ 40.71N 26.05E 1205Z 11 MAR WATCH  
TURKIYE-HATAY ISKENDERUN (M) 36.59N 36.18E 1225Z 11 MAR WATCH  
TURKIYE-BALIKESIR AYVALIK 39.31N 26.69E 1227Z 11 MAR WATCH  
TURKIYE-ADANA YUMURTALIK 36.91N 35.98E 1234Z 11 MAR WATCH  
TURKIYE-IZMIR ALSANCAK 38.44N 27.14E 1301Z 11 MAR WATCH  
UNITED KINGDOM-GIBRALTAR 36.13N 5.37W 1357Z 11 MAR WATCH

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY

COUNTRY GAUGE LOCATION LAT LON TIME AMPL PER

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GREECE KORONI 36.80 21.96 09:23 3.55 13.5  
GREECE KAPSALI 36.14 23.00 09:23 4.07 14.5  
GREECE PALEOCHORA 35.22 23.68 09:27 0.59 15.0  
GREECE KALAMATA 37.02 22.11 09:28 5.21 17.0  
GREECE KATAKOLO 37.64 21.32 09:32 0.85 11.0

LAT - LATITUDE (N-NORTH, S-SOUTH)

LON - LONGITUDE (E-EAST, W-WEST)

TIME - TIME OF THE MEASUREMENT (Z IS UTC TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL.

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN METERS (M).

PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS.  
THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

**T(n9): 10:20 UTC - NOA MESSAGE #004**

TSUNAMI MESSAGE NUMBER 004

NEAM NOA HL-NTWC TSUNAMI SERVICE PROVIDER

ISSUED AT 1020Z 11 MAR 2026

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO CROATIA...CYPRUS...FRANCE...GREECE...ISRAEL...ITALY...

LEBANON...MONACO...SPAIN...SYRIA...TURKIYE...UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL  
GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE  
OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0910 UTC WED MAR 11 2026

COORDINATES - 36.40 NORTH 22.20 EAST

DEPTH - 20.0 KM

LOCATION - S PELOPONNESE

MAGNITUDE - 7.9 M

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR

CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR

SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE

ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE

TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT

BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY

SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI

WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE

FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH/ADVISORY AREA GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.

LOCATION	FP COORDINATES	ARRIVAL TIME	ALERT LEVEL
CROATIA-DUBROVNIK	42.64N 18.10E	1102Z	11 MAR WATCH
CROATIA-PALAGRUZA	42.39N 16.26E	1121Z	11 MAR WATCH
CROATIA-VELA LUKA	42.96N 16.70E	1147Z	11 MAR WATCH
CROATIA-ZIRJE	43.63N 15.69E	1212Z	11 MAR WATCH
CROATIA-VELI RAT (DUGI OTOK)	44.15N 14.82E	1300Z	11 MAR WATCH
CROATIA-SPLIT	43.50N 16.44E	1307Z	11 MAR WATCH
CROATIA-MALI LOSINJ	44.54N 14.43E	1345Z	11 MAR WATCH
CROATIA-PULA	44.85N 13.82E	1435Z	11 MAR WATCH
CROATIA-POREC	45.22N 13.58E	1509Z	11 MAR WATCH
CROATIA-RIJEKA	45.34N 14.37E	1616Z	11 MAR WATCH
CYPRUS-PAFOS	34.77N 32.42E	1050Z	11 MAR WATCH
CYPRUS-POLIS	35.03N 32.43E	1055Z	11 MAR WATCH
CYPRUS-LEMESOS	34.68N 33.03E	1100Z	11 MAR WATCH
CYPRUS-VASILIKO	34.72N 33.32E	1102Z	11 MAR WATCH
CYPRUS-MORFOU	35.20N 32.99E	1103Z	11 MAR WATCH
CYPRUS-KERYNEIA	35.33N 33.32E	1105Z	11 MAR WATCH
CYPRUS-LARNAKA	34.92N 33.62E	1116Z	11 MAR WATCH
CYPRUS-AMMOCHOSTOS	35.11N 33.94E	1127Z	11 MAR WATCH
FRANCE-BASTIA	42.70N 9.45E	1158Z	11 MAR WATCH
FRANCE-SOLENZARA	42.83N 9.40E	1221Z	11 MAR WATCH
FRANCE-L'ILE ROUSSE	42.64N 8.93E	1223Z	11 MAR WATCH
FRANCE-AJACCIO	41.93N 8.78E	1226Z	11 MAR WATCH
FRANCE-NICE	43.70N 7.27E	1233Z	11 MAR WATCH
FRANCE-CANNES	43.55N 7.03E	1238Z	11 MAR WATCH
FRANCE-TOULONE	43.11N 5.97E	1241Z	11 MAR WATCH
FRANCE-PORT VENDRE	42.52N 3.11E	1259Z	11 MAR WATCH
FRANCE-MARSEILLE	43.31N 5.38E	1300Z	11 MAR WATCH
FRANCE-SETE	43.40N 3.69E	1328Z	11 MAR WATCH
GREECE-KALAMATA	37.02N 22.12E	0914Z	11 MAR WATCH
GREECE-KORONI	36.80N 21.96E	0915Z	11 MAR WATCH
GREECE-KYTHIRA KAPSALI	36.14N 23.00E	0919Z	11 MAR WATCH
GREECE-GYTHEIO	36.76N 22.57E	0922Z	11 MAR WATCH
GREECE-KYPARISSIA	37.26N 21.66E	0926Z	11 MAR WATCH
GREECE-KATAKOLO	37.65N 21.33E	0929Z	11 MAR WATCH
GREECE-ZAKYNTHOS	37.78N 20.91E	0932Z	11 MAR WATCH
GREECE-CRETE PALAIOCHORA	35.23N 23.68E	0932Z	11 MAR WATCH
GREECE-GAVDOS KARAVE	34.85N 24.12E	0933Z	11 MAR WATCH
GREECE-MONEMVASIA	36.69N 23.04E	0934Z	11 MAR WATCH
GREECE-CRETE CHANIA	35.52N 24.02E	0946Z	11 MAR WATCH
GREECE-CRETE IERAPETRA	35.00N 25.74E	0948Z	11 MAR WATCH
GREECE-CRETE RETHYMNON	35.37N 24.48E	0950Z	11 MAR WATCH
GREECE-CORFU PALAIOKASTRITSA	39.67N 19.71E	0958Z	11 MAR WATCH
GREECE-KEFALONIA ARGOSTOLI	38.18N 20.49E	0959Z	11 MAR WATCH
GREECE-CRETE HERAKLEION	35.35N 25.15E	1000Z	11 MAR WATCH
GREECE-SANTORINI ORMOS FIRON	36.39N 25.43E	1000Z	11 MAR WATCH
GREECE-PREVEZA PADOKRATORAS	38.95N 20.73E	1002Z	11 MAR WATCH
GREECE-NAFPLIO	37.56N 22.78E	1002Z	11 MAR WATCH
GREECE-KARPATOS	35.51N 27.21E	1008Z	11 MAR WATCH
GREECE-KASOS FRI	35.42N 26.92E	1013Z	11 MAR WATCH
GREECE-RHODES PLIMMYRI	35.93N 27.86E	1016Z	11 MAR WATCH
GREECE-IGOUMENITSA	39.51N 20.22E	1016Z	11 MAR WATCH
GREECE-AMORGOS KATAPOLA	36.83N 25.86E	1017Z	11 MAR WATCH
GREECE-CRETE AG NIKOLAOS	35.19N 25.72E	1017Z	11 MAR WATCH
GREECE-PIRAEUS	37.94N 23.62E	1019Z	11 MAR WATCH
GREECE-SYROS ERMOUPOLI	37.44N 24.95E	1022Z	11 MAR WATCH

GREECE-PATRAS	38.25N	21.73E	1022Z	11 MAR	WATCH
GREECE-CRETE SITIA	35.21N	26.11E	1026Z	11 MAR	WATCH
GREECE-RHODES	36.45N	28.23E	1027Z	11 MAR	WATCH
GREECE-MYKONOS	37.45N	25.33E	1030Z	11 MAR	WATCH
GREECE-MILOS ADAMANTAS	36.71N	24.46E	1031Z	11 MAR	WATCH
GREECE-ANDROS	37.84N	24.94E	1034Z	11 MAR	WATCH
GREECE-IKARIA AG KIRYKOS	37.61N	26.30E	1036Z	11 MAR	WATCH
GREECE-RAFINA	38.02N	24.01E	1037Z	11 MAR	WATCH
GREECE-KOS	36.90N	27.29E	1041Z	11 MAR	WATCH
GREECE-KASTELORIZO MEGISTI	36.15N	29.59E	1041Z	11 MAR	WATCH
GREECE-NAXOS	37.11N	25.37E	1044Z	11 MAR	WATCH
GREECE-CHIOS VOLLISSOS	38.47N	25.92E	1048Z	11 MAR	WATCH
GREECE-SAMOS KARLOVASI	37.80N	26.68E	1050Z	11 MAR	WATCH
GREECE-EVIA KYMI	38.62N	24.13E	1053Z	11 MAR	WATCH
GREECE-SAMOS	37.79N	26.96E	1059Z	11 MAR	WATCH
GREECE-LESBOS PLOMARI	38.97N	26.37E	1106Z	11 MAR	WATCH
GREECE-LESBOS SIGRI	39.21N	25.85E	1107Z	11 MAR	WATCH
GREECE-SKIATHOS	39.16N	23.49E	1107Z	11 MAR	WATCH
GREECE-LEMNOS MYRINA	39.87N	25.05E	1119Z	11 MAR	WATCH
GREECE-SAMOTHRAKI KAMARIOTISSA	40.47N	25.47E	1137Z	11 MAR	WATCH
GREECE-LESBOS MYTILENE	39.10N	26.56E	1137Z	11 MAR	WATCH
GREECE-VOLOS	39.35N	22.95E	1141Z	11 MAR	WATCH
GREECE-KATERINI	40.26N	22.60E	1208Z	11 MAR	WATCH
GREECE-KAVALA	40.94N	24.41E	1209Z	11 MAR	WATCH
GREECE-ALEXANDROUPOLI	40.83N	25.90E	1219Z	11 MAR	WATCH
GREECE-THESSALONIKI	40.63N	22.91E	1312Z	11 MAR	WATCH
GREECE-EVIA CHALKIDA	38.44N	23.60E	1334Z	11 MAR	WATCH
ISRAEL-HAIFA	32.80N	34.94E	1125Z	11 MAR	WATCH
ISRAEL-NAHARIYA	33.01N	35.07E	1127Z	11 MAR	WATCH
ISRAEL-HADERA	32.46N	34.87E	1130Z	11 MAR	WATCH
ISRAEL-TEL AVIV	32.08N	34.75E	1136Z	11 MAR	WATCH
ISRAEL-ASHDOD	31.81N	34.63E	1140Z	11 MAR	WATCH
ISRAEL-ASHKELON	31.69N	34.55E	1143Z	11 MAR	WATCH
ITALY-SIDERNO	38.27N	16.30E	1003Z	11 MAR	WATCH
ITALY-CATANZARO	38.83N	16.63E	1005Z	11 MAR	WATCH
ITALY-CROTONE	39.08N	17.13E	1008Z	11 MAR	WATCH
ITALY-REGGIO CALABRIA	38.12N	15.65E	1010Z	11 MAR	WATCH
ITALY-MESSINA	38.20N	15.56E	1011Z	11 MAR	WATCH
ITALY-CATANIA	37.50N	15.09E	1012Z	11 MAR	WATCH
ITALY-GALLIPOLI	40.05N	17.97E	1014Z	11 MAR	WATCH
ITALY-LAGHI DI SIBARI	39.73N	16.52E	1018Z	11 MAR	WATCH
ITALY-SIRACUSA	37.22N	15.23E	1019Z	11 MAR	WATCH
ITALY-OTRANTO	40.15N	18.50E	1022Z	11 MAR	WATCH
ITALY-GINOSTRA	38.78N	15.19E	1031Z	11 MAR	WATCH
ITALY-POLICORO LIDO	40.19N	16.72E	1032Z	11 MAR	WATCH
ITALY-MILAZZO	38.21N	15.27E	1033Z	11 MAR	WATCH
ITALY-TARANTO	40.48N	17.22E	1034Z	11 MAR	WATCH
ITALY-VIBO MARINA	38.72N	16.13E	1042Z	11 MAR	WATCH
ITALY-BRINDISI	40.66N	18.00E	1043Z	11 MAR	WATCH
ITALY-CETRARO	39.50N	15.95E	1046Z	11 MAR	WATCH
ITALY-PALINURO	40.03N	15.28E	1051Z	11 MAR	WATCH
ITALY-PALERMO	38.12N	13.37E	1059Z	11 MAR	WATCH
ITALY-BARI	41.14N	16.87E	1102Z	11 MAR	WATCH
ITALY-PONZA	40.90N	12.97E	1106Z	11 MAR	WATCH
ITALY-NAPOLI	40.84N	14.27E	1110Z	11 MAR	WATCH
ITALY-SALERNO	40.68N	14.75E	1111Z	11 MAR	WATCH
ITALY-GELA	37.06N	14.23E	1112Z	11 MAR	WATCH
ITALY-LAMPEDUSA	35.50N	12.60E	1119Z	11 MAR	WATCH
ITALY-GAETA	41.21N	13.59E	1119Z	11 MAR	WATCH
ITALY-PORTO EMPEDOCLE	37.29N	13.53E	1119Z	11 MAR	WATCH
ITALY-ANZIO	41.45N	12.63E	1124Z	11 MAR	WATCH
ITALY-SCIACCA	37.50N	13.08E	1128Z	11 MAR	WATCH
ITALY-FIUMICINO	41.77N	12.21E	1132Z	11 MAR	WATCH

ITALY-VIESTE	41.89N	16.18E	1132Z	11 MAR	WATCH
ITALY-OROSEI	40.44N	9.78E	1133Z	11 MAR	WATCH
ITALY-CIVITAVECCHIA	42.09N	11.79E	1134Z	11 MAR	WATCH
ITALY-BARLETTA	41.33N	16.30E	1135Z	11 MAR	WATCH
ITALY-MAZARA DEL VALLO	37.64N	12.58E	1145Z	11 MAR	WATCH
ITALY-CAGLIARI	39.21N	9.11E	1152Z	11 MAR	WATCH
ITALY-MARINA DI CAMPO	42.74N	10.24E	1155Z	11 MAR	WATCH
ITALY-MARINA DI GROSSETO	42.72N	10.98E	1156Z	11 MAR	WATCH
ITALY-SANTA TERESA DI GALLURA	41.25N	9.19E	1157Z	11 MAR	WATCH
ITALY-PIOMBINO	42.92N	10.53E	1206Z	11 MAR	WATCH
ITALY-CARLOFORTE	39.15N	8.31E	1217Z	11 MAR	WATCH
ITALY-TERMOLI	42.00N	15.01E	1222Z	11 MAR	WATCH
ITALY-ALGHERO	40.54N	8.32E	1225Z	11 MAR	WATCH
ITALY-ORISTANO	39.86N	8.44E	1225Z	11 MAR	WATCH
ITALY-IMPERIA	43.88N	8.02E	1230Z	11 MAR	WATCH
ITALY-GENOVA	44.41N	8.93E	1233Z	11 MAR	WATCH
ITALY-LIVORNO	43.55N	10.30E	1233Z	11 MAR	WATCH
ITALY-ORTONA	42.36N	14.41E	1240Z	11 MAR	WATCH
ITALY-PORTO TORRES	40.84N	8.40E	1248Z	11 MAR	WATCH
ITALY-LA SPEZIA	44.10N	9.86E	1302Z	11 MAR	WATCH
ITALY-SAN BENEDETTO DEL TRONTO	42.96N	13.89E	1308Z	11 MAR	WATCH
ITALY-ANCONA	43.62N	13.51E	1339Z	11 MAR	WATCH
ITALY-CESENATICO	44.18N	12.42E	1511Z	11 MAR	WATCH
ITALY-RAVENNA	44.49N	12.28E	1524Z	11 MAR	WATCH
ITALY-CHIOGGIA	45.21N	12.30E	1555Z	11 MAR	WATCH
ITALY-VENEZIA	45.42N	12.43E	1613Z	11 MAR	WATCH
ITALY-TRIESTE	45.65N	13.76E	1614Z	11 MAR	WATCH
LEBANON-BEIRUT	33.90N	35.45E	1120Z	11 MAR	WATCH
LEBANON-TYRE	33.29N	35.18E	1122Z	11 MAR	WATCH
LEBANON-SIDON	33.57N	35.36E	1123Z	11 MAR	WATCH
LEBANON-TRIPOLI	34.47N	35.81E	1131Z	11 MAR	WATCH
LEBANON-QLAIAAT	34.58N	35.98E	1138Z	11 MAR	WATCH
MONACO-MONTE-CARLO	43.73N	7.43E	1234Z	11 MAR	WATCH
SPAIN-MAHÓN	39.89N	4.27E	1229Z	11 MAR	WATCH
SPAIN-BARCELONA	41.39N	2.18E	1251Z	11 MAR	WATCH
SPAIN-IBIZA	38.91N	1.44E	1258Z	11 MAR	WATCH
SPAIN-TARRAGONA	41.12N	1.26E	1301Z	11 MAR	WATCH
SPAIN-CARTAGENA	37.61N	0.98W	1306Z	11 MAR	WATCH
SPAIN-PALMA DE MALLORCA	39.57N	2.65E	1308Z	11 MAR	WATCH
SPAIN-ALICANTE	38.35N	0.48W	1322Z	11 MAR	WATCH
SPAIN-ALMERÍA	36.84N	2.47W	1327Z	11 MAR	WATCH
SPAIN-VALENCIA	39.48N	0.38W	1330Z	11 MAR	WATCH
SPAIN-MELILLA	35.30N	2.94W	1347Z	11 MAR	WATCH
SPAIN-MÁLAGA	36.72N	4.42W	1357Z	11 MAR	WATCH
SPAIN-ALGECIRAS	36.13N	5.45W	1400Z	11 MAR	WATCH
SPAIN-CASTELLON DE LA PLANA	39.99N	0.04W	1408Z	11 MAR	WATCH
SPAIN-CEUTA	35.89N	5.32W	1419Z	11 MAR	WATCH
SYRIA-TARTOUS	34.91N	35.86E	1130Z	11 MAR	WATCH
SYRIA-LATTAKIA	35.54N	35.75E	1140Z	11 MAR	WATCH
TURKIYE-MUGLA DALAMAN	36.69N	28.78E	1027Z	11 MAR	WATCH
TURKIYE-ANTALYA KAS	36.20N	29.64E	1043Z	11 MAR	WATCH
TURKIYE-ANTALYA (M)	36.83N	30.61E	1045Z	11 MAR	WATCH
TURKIYE-MUGLA BODRUM (M)	37.03N	27.42E	1045Z	11 MAR	WATCH
TURKIYE-MUGLA FETHIYE	36.66N	29.11E	1045Z	11 MAR	WATCH
TURKIYE-ANTALYA FINIKE	36.29N	30.15E	1046Z	11 MAR	WATCH
TURKIYE-ANTALYA ALANYA	36.55N	31.98E	1047Z	11 MAR	WATCH
TURKIYE-MUGLA AKSAZ (M)	36.84N	28.40E	1053Z	11 MAR	WATCH
TURKIYE-IZMIR ALACATI	38.25N	26.39E	1057Z	11 MAR	WATCH
TURKIYE-MERSIN BOZYAZI (M)	36.10N	32.94E	1059Z	11 MAR	WATCH
TURKIYE-AYDIN DIDIM	37.35N	27.28E	1102Z	11 MAR	WATCH
TURKIYE-AYDIN KUSADASI	37.87N	27.26E	1106Z	11 MAR	WATCH
TURKIYE-MERSIN TASUCU (M)	36.28N	33.84E	1129Z	11 MAR	WATCH
TURKIYE-MERSIN ERDEMLI (M)	36.56N	34.26E	1130Z	11 MAR	WATCH

TURKIYE-IZMIR ALIAGA 38.83N 26.94E 1134Z 11 MAR WATCH  
TURKIYE-CANAKKALE GOKCEADA (M) 40.23N 25.89E 1141Z 11 MAR WATCH  
TURKIYE-CANAKKALE BOZCAADA 39.84N 26.08E 1148Z 11 MAR WATCH  
TURKIYE-IZMIR MENTES (M) 38.43N 26.72E 1203Z 11 MAR WATCH  
TURKIYE-EDIRNE ENEZ 40.71N 26.05E 1205Z 11 MAR WATCH  
TURKIYE-HATAY ISKENDERUN (M) 36.59N 36.18E 1225Z 11 MAR WATCH  
TURKIYE-BALIKESIR AYVALIK 39.31N 26.69E 1227Z 11 MAR WATCH  
TURKIYE-ADANA YUMURTALIK 36.91N 35.98E 1234Z 11 MAR WATCH  
TURKIYE-IZMIR ALSANCAK 38.44N 27.14E 1301Z 11 MAR WATCH  
UNITED KINGDOM-GIBRALTAR 36.13N 5.37W 1357Z 11 MAR WATCH

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY

COUNTRY GAUGE LOCATION LAT LON TIME AMPL PER

COUNTRY	GAUGE LOCATION	LAT	LO	TIME	AMPL	PER
GREECE	KORONI	36.80	21.96	09:23	3.55	13.5
GREECE	KAPSALI	36.14	23.00	09:23	4.07	14.5
GREECE	PALEOCHORA	35.22	23.68	09:27	0.59	15.0
GREECE	KALAMATA	37.02	22.11	09:28	5.21	17.0
GREECE	KATAKOLO	37.64	21.32	09:32	0.85	11.0
GREECE	ZAKYNTHOS	37.78	20.91	09:39	0.71	17.0
GREECE	IERAPETRA	35.00	25.74	09:58	0.29	18.0
GREECE	PREVEZA	38.95	20.73	10:00	0.42	16.0
GREECE	HERAKLEIO	35.35	25.15	10:05	0.35	20.0
GREECE	PORI	36.46	25.43	10:10	0.15	25.0
ITALY	ISPRA - LE CASTEL	38.91	17.03	10:04	0.41	23.0
ITALY	CROTONE	39.08	17.14	10:05	0.44	25.0
ITALY	CATANIA	37.50	15.09	10:11	0.80	11.0
ITALY	ISPRA - ROCCELLA I	38.33	16.43	10:14	1.14	18.0
ITALY	ISPRA - ROCCELLA C	38.12	15.65	10:15	0.71	
ITALY	PORTOPALO (IDSL-11	36.67	15.12	10:18	0.56	
INGV	TSUNAMI_BUOY_02	38.67	18.17	09:50	0.09	24.0
INGV	TSUNAMI_BUOY_01	36.83	16.50	09:54	0.14	13.0

LAT - LATITUDE (N-NORTH, S-SOUTH)

LON - LONGITUDE (E-EAST, W-WEST)

TIME - TIME OF THE MEASUREMENT (Z IS UTC TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL.

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN METERS (M).

PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS.  
THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

**T(n11): 11:40 UTC - NOA MESSAGE #005**

TSUNAMI MESSAGE NUMBER 005

NEAM NOA HL-NTWC TSUNAMI SERVICE PROVIDER

ISSUED AT 1140Z 11 MAR 2026

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO CROATIA...CYPRUS...FRANCE...GREECE...ISRAEL...ITALY...

LEBANON...MONACO...SPAIN...SYRIA...TURKIYE...UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL  
GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE  
OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0910 UTC WED MAR 11 2026

COORDINATES - 36.40 NORTH 22.20 EAST

DEPTH - 20.0 KM

LOCATION - S PELOPONNESE

MAGNITUDE - 7.9 M

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH/ADVISORY AREA GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.

LOCATION	FP COORDINATES	ARRIVAL TIME	ALERT LEVEL
CROATIA-DUBROVNIK	42.64N 18.10E	1102Z	11 MAR WATCH
CROATIA-PALAGRUZA	42.39N 16.26E	1121Z	11 MAR WATCH
CROATIA-VELA LUKA	42.96N 16.70E	1147Z	11 MAR WATCH
CROATIA-ZIRJE	43.63N 15.69E	1212Z	11 MAR WATCH
CROATIA-VELI RAT (DUGI OTOK)	44.15N 14.82E	1300Z	11 MAR WATCH
CROATIA-SPLIT	43.50N 16.44E	1307Z	11 MAR WATCH
CROATIA-MALI LOSINJ	44.54N 14.43E	1345Z	11 MAR WATCH
CROATIA-PULA	44.85N 13.82E	1435Z	11 MAR WATCH
CROATIA-POREC	45.22N 13.58E	1509Z	11 MAR WATCH
CROATIA-RIJEKA	45.34N 14.37E	1616Z	11 MAR WATCH
CYPRUS-PAFOS	34.77N 32.42E	1050Z	11 MAR WATCH
CYPRUS-POLIS	35.03N 32.43E	1055Z	11 MAR WATCH
CYPRUS-LEMESOS	34.68N 33.03E	1100Z	11 MAR WATCH
CYPRUS-VASILIKO	34.72N 33.32E	1102Z	11 MAR WATCH
CYPRUS-MORFOU	35.20N 32.99E	1103Z	11 MAR WATCH
CYPRUS-KERYNEIA	35.33N 33.32E	1105Z	11 MAR WATCH
CYPRUS-LARNAKA	34.92N 33.62E	1116Z	11 MAR WATCH
CYPRUS-AMMOCHOSTOS	35.11N 33.94E	1127Z	11 MAR WATCH
FRANCE-BASTIA	42.70N 9.45E	1158Z	11 MAR WATCH
FRANCE-SOLENZARA	42.83N 9.40E	1221Z	11 MAR WATCH
FRANCE-L'ILE ROUSSE	42.64N 8.93E	1223Z	11 MAR WATCH
FRANCE-AJACCIO	41.93N 8.78E	1226Z	11 MAR WATCH
FRANCE-NICE	43.70N 7.27E	1233Z	11 MAR WATCH
FRANCE-CANNES	43.55N 7.03E	1238Z	11 MAR WATCH
FRANCE-TOULONE	43.11N 5.97E	1241Z	11 MAR WATCH
FRANCE-PORT VENDRE	42.52N 3.11E	1259Z	11 MAR WATCH
FRANCE-MARSEILLE	43.31N 5.38E	1300Z	11 MAR WATCH
FRANCE-SETE	43.40N 3.69E	1328Z	11 MAR WATCH
GREECE-KALAMATA	37.02N 22.12E	0914Z	11 MAR WATCH
GREECE-KORONI	36.80N 21.96E	0915Z	11 MAR WATCH
GREECE-KYTHIRA KAPSALI	36.14N 23.00E	0919Z	11 MAR WATCH
GREECE-GYTHEIO	36.76N 22.57E	0922Z	11 MAR WATCH
GREECE-KYPARISSIA	37.26N 21.66E	0926Z	11 MAR WATCH
GREECE-KATAKOLO	37.65N 21.33E	0929Z	11 MAR WATCH
GREECE-ZAKYNTHOS	37.78N 20.91E	0932Z	11 MAR WATCH
GREECE-CRETE PALAIOCHORA	35.23N 23.68E	0932Z	11 MAR WATCH
GREECE-GAVDOS KARAVE	34.85N 24.12E	0933Z	11 MAR WATCH
GREECE-MONEMVASIA	36.69N 23.04E	0934Z	11 MAR WATCH
GREECE-CRETE CHANIA	35.52N 24.02E	0946Z	11 MAR WATCH
GREECE-CRETE IERAPETRA	35.00N 25.74E	0948Z	11 MAR WATCH
GREECE-CRETE RETHYMNON	35.37N 24.48E	0950Z	11 MAR WATCH
GREECE-CORFU PALAIOKASTRITSA	39.67N 19.71E	0958Z	11 MAR WATCH
GREECE-KEFALONIA ARGOSTOLI	38.18N 20.49E	0959Z	11 MAR WATCH

GREECE-CRETE HERAKLEION	35.35N 25.15E	1000Z	11 MAR	WATCH
GREECE-SANTORINI ORMOS FIRON	36.39N 25.43E	1000Z	11 MAR	WATCH
GREECE-PREVEZA PADOKRATORAS	38.95N 20.73E	1002Z	11 MAR	WATCH
GREECE-NAFPLIO	37.56N 22.78E	1002Z	11 MAR	WATCH
GREECE-KARPATHOS	35.51N 27.21E	1008Z	11 MAR	WATCH
GREECE-KASOS FRI	35.42N 26.92E	1013Z	11 MAR	WATCH
GREECE-RHODES PLIMMYRI	35.93N 27.86E	1016Z	11 MAR	WATCH
GREECE-IGOUMENITSA	39.51N 20.22E	1016Z	11 MAR	WATCH
GREECE-AMORGOS KATAPOLA	36.83N 25.86E	1017Z	11 MAR	WATCH
GREECE-CRETE AG NIKOLAOS	35.19N 25.72E	1017Z	11 MAR	WATCH
GREECE-PIRAEUS	37.94N 23.62E	1019Z	11 MAR	WATCH
GREECE-SYROS ERMOUPOLI	37.44N 24.95E	1022Z	11 MAR	WATCH
GREECE-PATRAS	38.25N 21.73E	1022Z	11 MAR	WATCH
GREECE-CRETE SITIA	35.21N 26.11E	1026Z	11 MAR	WATCH
GREECE-RHODES	36.45N 28.23E	1027Z	11 MAR	WATCH
GREECE-MYKONOS	37.45N 25.33E	1030Z	11 MAR	WATCH
GREECE-MILOS ADAMANTAS	36.71N 24.46E	1031Z	11 MAR	WATCH
GREECE-ANDROS	37.84N 24.94E	1034Z	11 MAR	WATCH
GREECE-IKARIA AG KIRYKOS	37.61N 26.30E	1036Z	11 MAR	WATCH
GREECE-RAFINA	38.02N 24.01E	1037Z	11 MAR	WATCH
GREECE-KOS	36.90N 27.29E	1041Z	11 MAR	WATCH
GREECE-KASTELORIZO MEGISTI	36.15N 29.59E	1041Z	11 MAR	WATCH
GREECE-NAXOS	37.11N 25.37E	1044Z	11 MAR	WATCH
GREECE-CHIOS VOLLISSOS	38.47N 25.92E	1048Z	11 MAR	WATCH
GREECE-SAMOS KARLOVASI	37.80N 26.68E	1050Z	11 MAR	WATCH
GREECE-EVIA KYMI	38.62N 24.13E	1053Z	11 MAR	WATCH
GREECE-SAMOS	37.79N 26.96E	1059Z	11 MAR	WATCH
GREECE-LESBOS PLOMARI	38.97N 26.37E	1106Z	11 MAR	WATCH
GREECE-LESBOS SIGRI	39.21N 25.85E	1107Z	11 MAR	WATCH
GREECE-SKIATHOS	39.16N 23.49E	1107Z	11 MAR	WATCH
GREECE-LEMNOS MYRINA	39.87N 25.05E	1119Z	11 MAR	WATCH
GREECE-SAMOTHRAKI KAMARIOTISSA	40.47N 25.47E	1137Z	11 MAR	WATCH
GREECE-LESBOS MYTILENE	39.10N 26.56E	1137Z	11 MAR	WATCH
GREECE-VOLOS	39.35N 22.95E	1141Z	11 MAR	WATCH
GREECE-KATERINI	40.26N 22.60E	1208Z	11 MAR	WATCH
GREECE-KAVALA	40.94N 24.41E	1209Z	11 MAR	WATCH
GREECE-ALEXANDROUPOLI	40.83N 25.90E	1219Z	11 MAR	WATCH
GREECE-THESSALONIKI	40.63N 22.91E	1312Z	11 MAR	WATCH
GREECE-EVIA CHALKIDA	38.44N 23.60E	1334Z	11 MAR	WATCH
ISRAEL-HAIFA	32.80N 34.94E	1125Z	11 MAR	WATCH
ISRAEL-NAHARIYA	33.01N 35.07E	1127Z	11 MAR	WATCH
ISRAEL-HADERA	32.46N 34.87E	1130Z	11 MAR	WATCH
ISRAEL-TEL AVIV	32.08N 34.75E	1136Z	11 MAR	WATCH
ISRAEL-ASHDOD	31.81N 34.63E	1140Z	11 MAR	WATCH
ISRAEL-ASHKELON	31.69N 34.55E	1143Z	11 MAR	WATCH
ITALY-SIDERNO	38.27N 16.30E	1003Z	11 MAR	WATCH
ITALY-CATANZARO	38.83N 16.63E	1005Z	11 MAR	WATCH
ITALY-CROTONE	39.08N 17.13E	1008Z	11 MAR	WATCH
ITALY-REGGIO CALABRIA	38.12N 15.65E	1010Z	11 MAR	WATCH
ITALY-MESSINA	38.20N 15.56E	1011Z	11 MAR	WATCH
ITALY-CATANIA	37.50N 15.09E	1012Z	11 MAR	WATCH
ITALY-GALLIPOLI	40.05N 17.97E	1014Z	11 MAR	WATCH
ITALY-LAGHI DI SIBARI	39.73N 16.52E	1018Z	11 MAR	WATCH
ITALY-SIRACUSA	37.22N 15.23E	1019Z	11 MAR	WATCH
ITALY-OTRANTO	40.15N 18.50E	1022Z	11 MAR	WATCH
ITALY-GINOSTRA	38.78N 15.19E	1031Z	11 MAR	WATCH
ITALY-POLICORO LIDO	40.19N 16.72E	1032Z	11 MAR	WATCH
ITALY-MILAZZO	38.21N 15.27E	1033Z	11 MAR	WATCH
ITALY-TARANTO	40.48N 17.22E	1034Z	11 MAR	WATCH
ITALY-VIBO MARINA	38.72N 16.13E	1042Z	11 MAR	WATCH
ITALY-BRINDISI	40.66N 18.00E	1043Z	11 MAR	WATCH
ITALY-CETRARO	39.50N 15.95E	1046Z	11 MAR	WATCH
ITALY-PALINURO	40.03N 15.28E	1051Z	11 MAR	WATCH

ITALY-PALERMO	38.12N	13.37E	1059Z	11 MAR	WATCH
ITALY-BARI	41.14N	16.87E	1102Z	11 MAR	WATCH
ITALY-PONZA	40.90N	12.97E	1106Z	11 MAR	WATCH
ITALY-NAPOLI	40.84N	14.27E	1110Z	11 MAR	WATCH
ITALY-SALERNO	40.68N	14.75E	1111Z	11 MAR	WATCH
ITALY-GELA	37.06N	14.23E	1112Z	11 MAR	WATCH
ITALY-LAMPEDUSA	35.50N	12.60E	1119Z	11 MAR	WATCH
ITALY-GAETA	41.21N	13.59E	1119Z	11 MAR	WATCH
ITALY-PORTO EMPEDOCLE	37.29N	13.53E	1119Z	11 MAR	WATCH
ITALY-ANZIO	41.45N	12.63E	1124Z	11 MAR	WATCH
ITALY-SCIACCA	37.50N	13.08E	1128Z	11 MAR	WATCH
ITALY-FIUMICINO	41.77N	12.21E	1132Z	11 MAR	WATCH
ITALY-VIESTE	41.89N	16.18E	1132Z	11 MAR	WATCH
ITALY-OROSEI	40.44N	9.78E	1133Z	11 MAR	WATCH
ITALY-CIVITAVECCHIA	42.09N	11.79E	1134Z	11 MAR	WATCH
ITALY-BARLETTA	41.33N	16.30E	1135Z	11 MAR	WATCH
ITALY-MAZARA DEL VALLO	37.64N	12.58E	1145Z	11 MAR	WATCH
ITALY-CAGLIARI	39.21N	9.11E	1152Z	11 MAR	WATCH
ITALY-MARINA DI CAMPO	42.74N	10.24E	1155Z	11 MAR	WATCH
ITALY-MARINA DI GROSSETO	42.72N	10.98E	1156Z	11 MAR	WATCH
ITALY-SANTA TERESA DI GALLURA	41.25N	9.19E	1157Z	11 MAR	WATCH
ITALY-PIOMBINO	42.92N	10.53E	1206Z	11 MAR	WATCH
ITALY-CARLOFORTE	39.15N	8.31E	1217Z	11 MAR	WATCH
ITALY-TERMOLI	42.00N	15.01E	1222Z	11 MAR	WATCH
ITALY-ALGHERO	40.54N	8.32E	1225Z	11 MAR	WATCH
ITALY-ORISTANO	39.86N	8.44E	1225Z	11 MAR	WATCH
ITALY-IMPERIA	43.88N	8.02E	1230Z	11 MAR	WATCH
ITALY-GENOVA	44.41N	8.93E	1233Z	11 MAR	WATCH
ITALY-LIVORNO	43.55N	10.30E	1233Z	11 MAR	WATCH
ITALY-ORTONA	42.36N	14.41E	1240Z	11 MAR	WATCH
ITALY-PORTO TORRES	40.84N	8.40E	1248Z	11 MAR	WATCH
ITALY-LA SPEZIA	44.10N	9.86E	1302Z	11 MAR	WATCH
ITALY-SAN BENEDETTO DEL TRONTO	42.96N	13.89E	1308Z	11 MAR	WATCH
ITALY-ANCONA	43.62N	13.51E	1339Z	11 MAR	WATCH
ITALY-CESENATICO	44.18N	12.42E	1511Z	11 MAR	WATCH
ITALY-RAVENNA	44.49N	12.28E	1524Z	11 MAR	WATCH
ITALY-CHIOGGIA	45.21N	12.30E	1555Z	11 MAR	WATCH
ITALY-VENEZIA	45.42N	12.43E	1613Z	11 MAR	WATCH
ITALY-TRIESTE	45.65N	13.76E	1614Z	11 MAR	WATCH
LEBANON-BEIRUT	33.90N	35.45E	1120Z	11 MAR	WATCH
LEBANON-TYRE	33.29N	35.18E	1122Z	11 MAR	WATCH
LEBANON-SIDON	33.57N	35.36E	1123Z	11 MAR	WATCH
LEBANON-TRIPOLI	34.47N	35.81E	1131Z	11 MAR	WATCH
LEBANON-QLAIAAT	34.58N	35.98E	1138Z	11 MAR	WATCH
MONACO-MONTE-CARLO	43.73N	7.43E	1234Z	11 MAR	WATCH
SPAIN-MAHÓN	39.89N	4.27E	1229Z	11 MAR	WATCH
SPAIN-BARCELONA	41.39N	2.18E	1251Z	11 MAR	WATCH
SPAIN-IBIZA	38.91N	1.44E	1258Z	11 MAR	WATCH
SPAIN-TARRAGONA	41.12N	1.26E	1301Z	11 MAR	WATCH
SPAIN-CARTAGENA	37.61N	0.98W	1306Z	11 MAR	WATCH
SPAIN-PALMA DE MALLORCA	39.57N	2.65E	1308Z	11 MAR	WATCH
SPAIN-ALICANTE	38.35N	0.48W	1322Z	11 MAR	WATCH
SPAIN-ALMERÍA	36.84N	2.47W	1327Z	11 MAR	WATCH
SPAIN-VALENCIA	39.48N	0.38W	1330Z	11 MAR	WATCH
SPAIN-MELILLA	35.30N	2.94W	1347Z	11 MAR	WATCH
SPAIN-MÁLAGA	36.72N	4.42W	1357Z	11 MAR	WATCH
SPAIN-ALGECIRAS	36.13N	5.45W	1400Z	11 MAR	WATCH
SPAIN-CASTELLON DE LA PLANA	39.99N	0.04W	1408Z	11 MAR	WATCH
SPAIN-CEUTA	35.89N	5.32W	1419Z	11 MAR	WATCH
SYRIA-TARTOUS	34.91N	35.86E	1130Z	11 MAR	WATCH
SYRIA-LATTAKIA	35.54N	35.75E	1140Z	11 MAR	WATCH
TURKIYE-MUGLA DALAMAN	36.69N	28.78E	1027Z	11 MAR	WATCH
TURKIYE-ANTALYA KAS	36.20N	29.64E	1043Z	11 MAR	WATCH

TURKIYE-ANTALYA (M)	36.83N 30.61E 1045Z 11 MAR WATCH
TURKIYE-MUGLA BODRUM (M)	37.03N 27.42E 1045Z 11 MAR WATCH
TURKIYE-MUGLA FETHIYE	36.66N 29.11E 1045Z 11 MAR WATCH
TURKIYE-ANTALYA FINIKE	36.29N 30.15E 1046Z 11 MAR WATCH
TURKIYE-ANTALYA ALANYA	36.55N 31.98E 1047Z 11 MAR WATCH
TURKIYE-MUGLA AKSAZ (M)	36.84N 28.40E 1053Z 11 MAR WATCH
TURKIYE-IZMIR ALACATI	38.25N 26.39E 1057Z 11 MAR WATCH
TURKIYE-MERSIN BOZYAZI (M)	36.10N 32.94E 1059Z 11 MAR WATCH
TURKIYE-AYDIN DIDIM	37.35N 27.28E 1102Z 11 MAR WATCH
TURKIYE-AYDIN KUSADASI	37.87N 27.26E 1106Z 11 MAR WATCH
TURKIYE-MERSIN TASUCU (M)	36.28N 33.84E 1129Z 11 MAR WATCH
TURKIYE-MERSIN ERDEMLI (M)	36.56N 34.26E 1130Z 11 MAR WATCH
TURKIYE-IZMIR ALIAGA	38.83N 26.94E 1134Z 11 MAR WATCH
TURKIYE-CANAKKALE GOKCEADA (M)	40.23N 25.89E 1141Z 11 MAR WATCH
TURKIYE-CANAKKALE BOZCAADA	39.84N 26.08E 1148Z 11 MAR WATCH
TURKIYE-IZMIR MENTES (M)	38.43N 26.72E 1203Z 11 MAR WATCH
TURKIYE-EDIRNE ENEZ	40.71N 26.05E 1205Z 11 MAR WATCH
TURKIYE-HATAY ISKENDERUN (M)	36.59N 36.18E 1225Z 11 MAR WATCH
TURKIYE-BALIKESIR AYVALIK	39.31N 26.69E 1227Z 11 MAR WATCH
TURKIYE-ADANA YUMURTALIK	36.91N 35.98E 1234Z 11 MAR WATCH
TURKIYE-IZMIR ALSANCAK	38.44N 27.14E 1301Z 11 MAR WATCH
UNITED KINGDOM-GIBRALTAR	36.13N 5.37W 1357Z 11 MAR WATCH

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY

COUNTRY	GAUGE LOCATION	LAT	LON	TIME	AMPL	PER
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GREECE	KORONI	36.80	21.96	09:23	3.55	13.5
GREECE	KAPSALI	36.14	23.00	10:20	4.41	11.0
GREECE	PALEOCHORA	35.22	23.68	09:27	0.59	15.0
GREECE	KATAKOLO	37.64	21.32	09:32	0.85	11.0
GREECE	KALAMATA	37.02	22.11	09:28	5.21	17.0
GREECE	ZAKYNTHOS	37.78	20.91	09:39	0.71	17.0
GREECE	PREVEZA	38.95	20.73	10:00	0.42	16.0
GREECE	PORI	36.46	25.43	11:04	0.33	16.0
GREECE	IERAPETRA	35.00	25.74	10:23	0.41	34.0
GREECE	HERAKLEIO	35.35	25.15	10:36	0.57	22.0
ITALY	CROTONE	39.08	17.14	11:14	0.46	23.0
ITALY	ISPRA - LE CASTEL	38.91	17.03	10:43	0.43	31.0
ITALY	ISPRA - ROCCELLA	38.33	16.43	10:14	1.14	18.0
ITALY	CATANIA	37.50	15.09	10:11	0.80	11.0
ITALY	ISPRA - ROCCELLA C	38.12	15.65	10:30	0.90	30.0
ITALY	PORTOPALO (IDSL-11	36.67	15.12	10:18	0.56	27.5
GREECE	PEIRAIAS	37.94	23.62	11:30	0.77	59.0
GREECE	KASOS	35.42	26.92	10:42	0.16	21.5
GREECE	SYROS	37.44	24.94	11:31	0.52	16.5
GREECE	KERKIRA	39.79	19.91	10:58	0.57	36.0
ITALY	MESSINA	38.20	15.56	10:16	0.81	30.0
ITALY	OTRANTO	40.15	18.50	10:42	0.54	29.0
ITALY	NOC-TARANTO	40.48	17.22	10:23	0.16	29.5
MALTA	MARSAXLOKK	35.83N	14.55E	1051Z	1.82	13.0
MALTA	PORTOMASO	35.92	14.49	10:52	0.65	15.5
INGV	TSUNAMI_BUOY_01	36.83	16.50	09:54	0.14	13.0
INGV	TSUNAMI_BUOY_02	38.67	18.17	09:50	0.09	24.0

LAT - LATITUDE (N-NORTH, S-SOUTH)

LON - LONGITUDE (E-EAST, W-WEST)

TIME - TIME OF THE MEASUREMENT (Z IS UTC TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL.

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN METERS (M).

PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS.

THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

**T(n13): 12:40 UTC - NOA MESSAGE #006**

TSUNAMI MESSAGE NUMBER 006  
NEAM NOA HL-NTWC TSUNAMI SERVICE PROVIDER  
ISSUED AT 1240Z 11 MAR 2026

... END OF TSUNAMI WATCH ...  
THIS ALERT APPLIES TO CROATIA...CYPRUS...FRANCE...GREECE...ISRAEL...ITALY...  
LEBANON...MONACO...SPAIN...SYRIA...TURKIYE...UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL  
GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE  
OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0910 UTC WED MAR 11 2026  
COORDINATES - 36.40 NORTH 22.20 EAST  
DEPTH - 20.0 KM  
LOCATION - S PELOPONNESE  
MAGNITUDE - 7.9 M

EVALUATION OF TSUNAMI WATCH  
SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
OBSERVATIONS AND MODELS INDICATE THAT NO MORE TSUNAMI WAVES ARE EXPECTED.

THIS WILL BE THE FINAL MESSAGE ISSUED FOR THIS EVENT UNLESS ADDITIONAL INFORMATION  
BECOMES AVAILABLE.

**NOA SMS #001**

\*TEST\*TSUNAMI EXERCISE MSG;NEAMTWS-NOA;WATCH:HR CY FR GR IL IT LB MC ES SY TR GB; 0910Z 11MAR2026;EQ  
Mw7.9;SOUTH PELOPONNESE;36.40N;22.20E;20KM\*TEST\*

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### 7.3 LIGURIAN SEA (CM) TSUNAMI SCENARIO: M1887 OFFSHORE NICE EARTHQUAKE<sup>3</sup>

#### **CENALT (NEAMTWS/TSP France) CAT-INGV (NEAMTWS/TSP Italy)**

*Prepared by*

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**1. Introduction** –*Message Provider involved briefly describes the scenario proposed (e.g., if based on an historical, recent or hypothetical event; the tectonic framework of the epicentral area; the reference competence area; historical tsunami events)*

This scenario was prepared jointly by CENALT and CAT-INGV, which act as two of the Message Providers of NEAMWave26. It refers to a hypothetical strong tsunami event affecting mainly the north-western Mediterranean Sea. The scenario is based on an earthquake of magnitude Mw 6.9 occurring along the Ligurian fault system in the Alps–Ligurian Basin junction ~40 km south of Nice (France).

As illustrated later, an earthquake like this would trigger, based on the decision matrix currently in use at CENALT and CAT-INGV, a Tsunami Watch within 100 km of the epicenter and a Tsunami Advisory between 100 and 400 km from the epicenter.

The Alps–Ligurian Basin junction is a seismically active region and historically hosted a tsunamigenic earthquake in 1887 off the Ligurian Sea (Mw 6.8-7.5, Larroque et al., 2012). This earthquake generated a moderate tsunami (with runup observations up to 2 m) that hit a stretch of the northern coast of Italy (Liguria region), the nearby southern coast of France, and the Principality of Monaco. The location of the earthquake scenario proposed here is shifted north-westward along the Ligurian fault system.

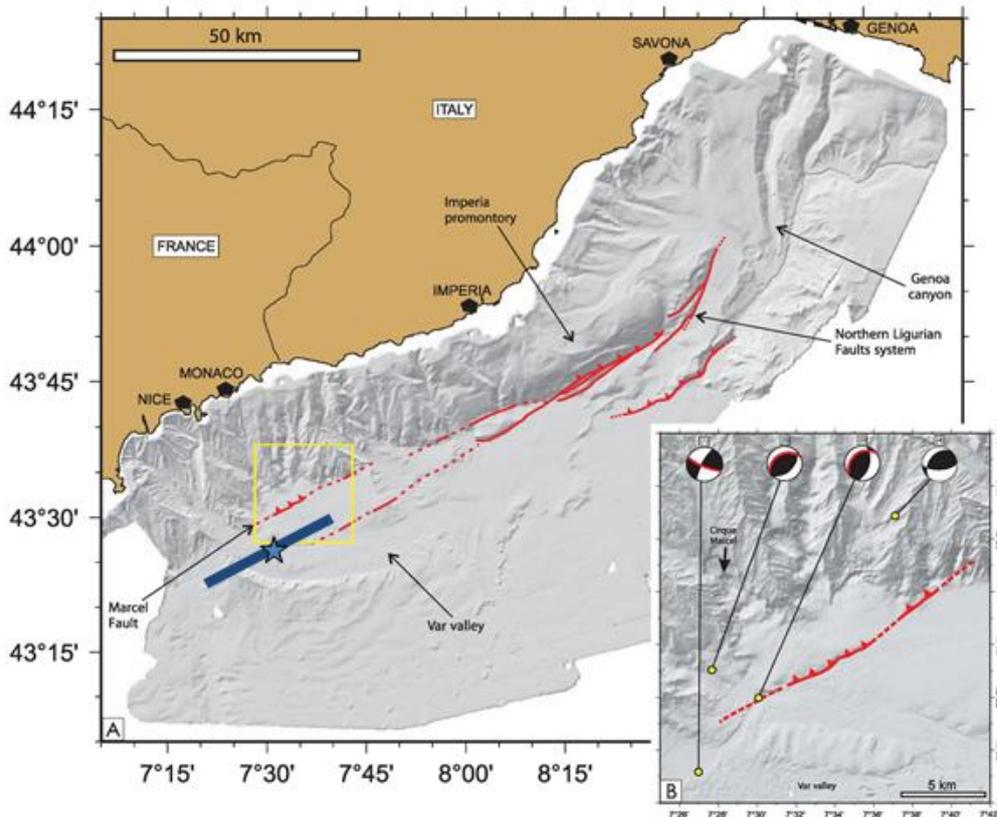
**2. Event Information** - *Message Provider involved briefly supplies the earthquake parameters (lon, lat, depth, magnitude, strike, dip, rake, slip, fault's size, scaling laws, etc)*

The earthquake rupture area (Figure 1) is defined along the Ligurian fault system, based on the information reported in Larroque et al. 2012. The initial condition for the tsunami propagation is computed by means of the Okada analytical formulas, considering a rectangular fault and a homogeneous half-space. Based on the relation between seismic, coseismic slip, and rupture area (A) ( $M_0 = \mu \cdot A \cdot D$ ), the average slip value (D) is equal to 1.8 m (considering a rigidity value,  $\mu$ , of 30 GPa). The faulting mechanism (i.e., strike, dip, rake) is consistent with the local seismicity.

**Table 1** – Earthquake parameters

<sup>3</sup> The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariats of UNESCO and IOC concerning the legal status of any country or territory, or its authorities, or concerning the delimitation of the frontiers of any country or territory. The information and maps presented here do not necessarily reflect the views and position of the United Nations, UNESCO, IOC or any affiliated Member State.

Earthquake parameters	
$M_w$	6.9
Longitude	7.5°E
Latitude	43.42°N
Hypocentral depth (km)	8.0
Depth of the top of the rupture (km)	5.0
Length (km)	35
Width (km)	17
Slip (m)	1.8
Rigidity (GPa)	30
Strike/Dip/Rake	235/20/90



**Figure 1.** Structural sketch of the northern Ligurian Faults system and location of the NEAMWave26 source in blue (the star is the hypocenter) (figure modified from Larroque et al., 2012).

**3. Numerical modelling** - Message Provider involved briefly specifies the tsunami propagation modelling adopted (e.g., initial condition, propagation code, etc.); tsunami simulation output provided (e.g., some selected tsunami waveforms, maximum wave height offshore or close to the coast, travel times, etc.).

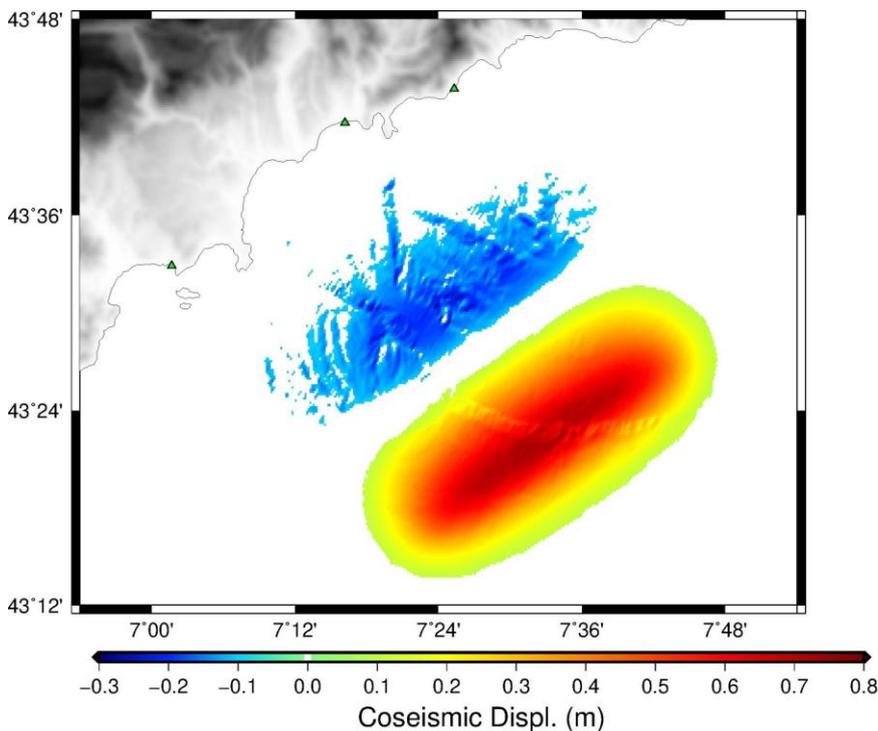
*Please provide figures for a) Tsunami initial condition, b) distribution of maximum wave height, c) distribution of wave travel times, d) selected tsunami waveforms, and e) map showing the alert level at forecast points*

Tsunami initial condition: analytically computed in a homogeneous half-space (Figure 2).

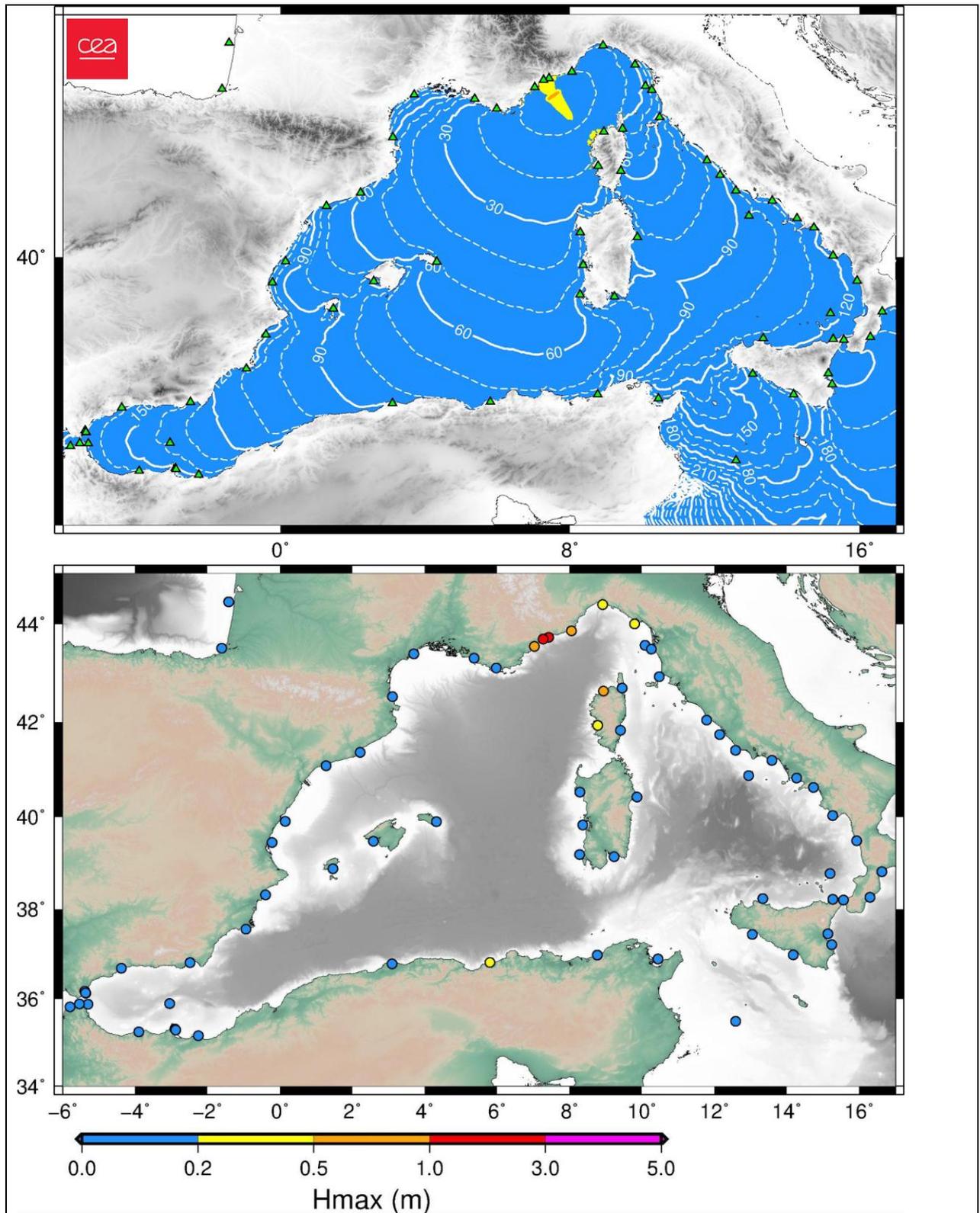
Tsunami propagation: performed by means of the nonlinear shallow water Tsunami-HySEA (de la Asunción et al., 2013) multi-GPU code. Tsunami-HySEA is a benchmarked simulation code (Macías et al., 2017). Modelled propagation time is 8 hours on a 30 arcsec regular bathymetric grid derived from SRTM30+ ([http://topex.ucsd.edu/WWW\\_html/srtm30\\_plus.html](http://topex.ucsd.edu/WWW_html/srtm30_plus.html)).

In the following figures some outputs are shown:

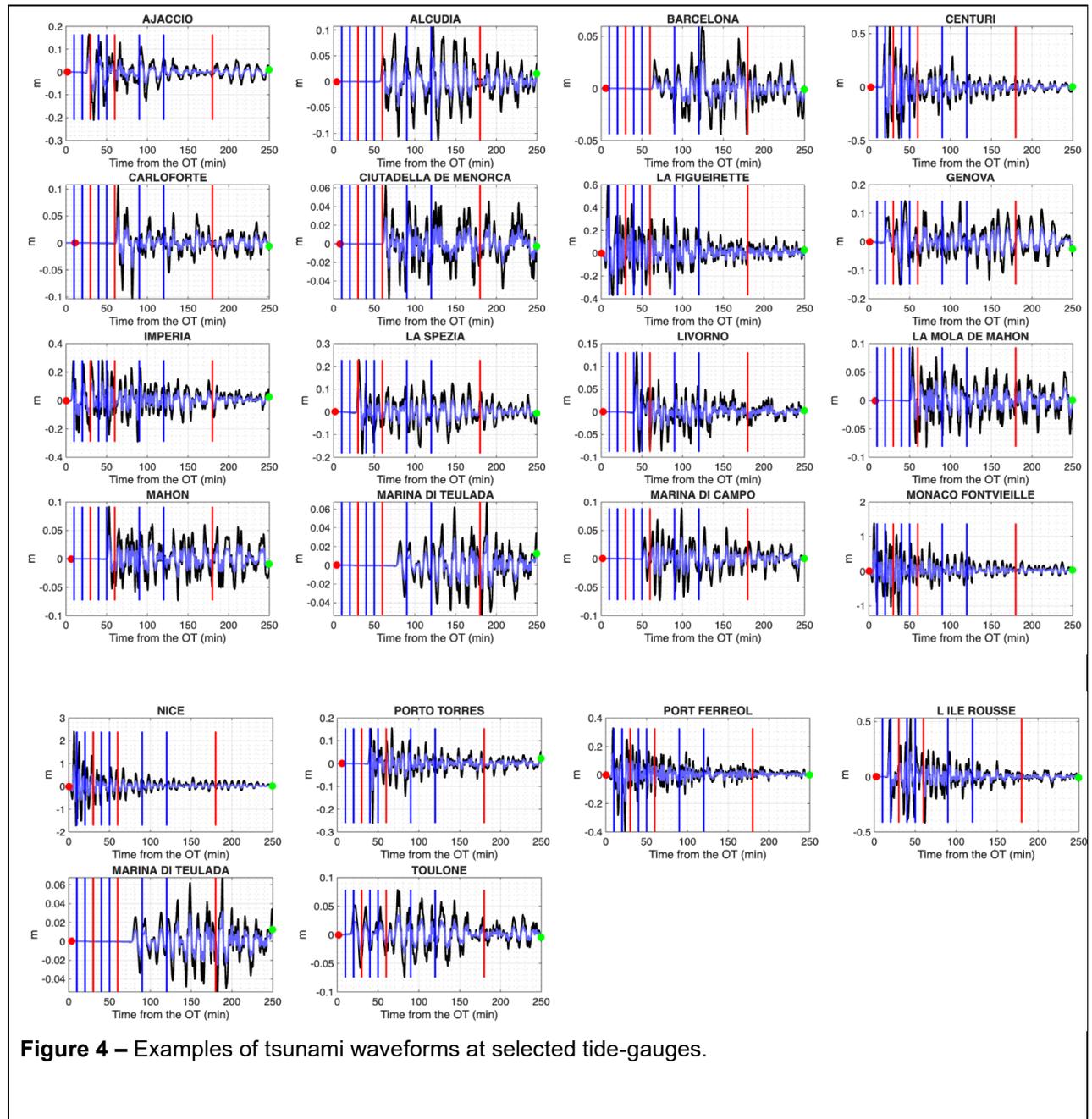
- 1) Tsunami initial condition (Figure 2)
- 2) Scenario tsunami maximum offshore wave amplitude distribution (Figure 3);
- 3) Tsunami waveforms (examples, Figure 4);
- 4) Tsunami travel times (Figures 5,6, next section);



**Figure 2.** Coseismic displacement following the occurrence of a 1887-like earthquake on the northern Ligurian fault system.



**Figure 3.** [top] Maximum sea level height in deep sea (250 m resolution grid) following the 1887-like earthquake (white lines = ETA every 10 minutes; green triangles = FP location). [bottom] Maximum sea level height at Forecast Points using Green's law extrapolation from 50 m to 2 m depth.



**Figure 4** – Examples of tsunami waveforms at selected tide-gauges.

**4. Alert Messages** - *Message Provider involved briefly specifies the method adopted to assess the alert level, preferably based on common/daily practice (e.g., decision matrix, scenario based, etc.); how many alert messages will be issued and the related timetable (MSEL) specifying also the tsunami evolution (e.g., sea level readings, eyewitness observations, etc.);*

Max: 300 words (except caption of figures and table), 2 Figures, 1 table

(Master Schedule of Events List should be given here as follows or similar):

**Master Schedule of Events List:**

**T0: 09:10 UTC (EQ Origin Time)**

**T(n1): 09:13 UTC (Initial EQ Parameters)**

**T(n2): 09:15 UTC (Dissemination of the 1st message by INGV)**

**T(n3): 09:17 UTC (Dissemination of the 1st message by CENALT)**

**T(n4): 09:25 UTC (Dissemination of the 2nd message by CENALT)**

**T(n5): 09:25 UTC (Dissemination of the 2nd message by INGV)**

**T(n6): 09:34 UTC (Dissemination of the 3rd message by CENALT)**

**T(n7): 09:45 UTC (Dissemination of the 3rd message by INGV)**

**T(n8): 09:50 UTC (Dissemination of the 4th message by CENALT)**

**T(n9): 10:20 UTC (Dissemination of the 5th message by CENALT)**

**T(n10): 10:35 UTC (Dissemination of the 4th message by INGV)**

**T(n11): 11:30 UTC (Dissemination of the 6th message by CENALT)**

**T(n12): 11:50 UTC (Dissemination of the final message by CENALT)**

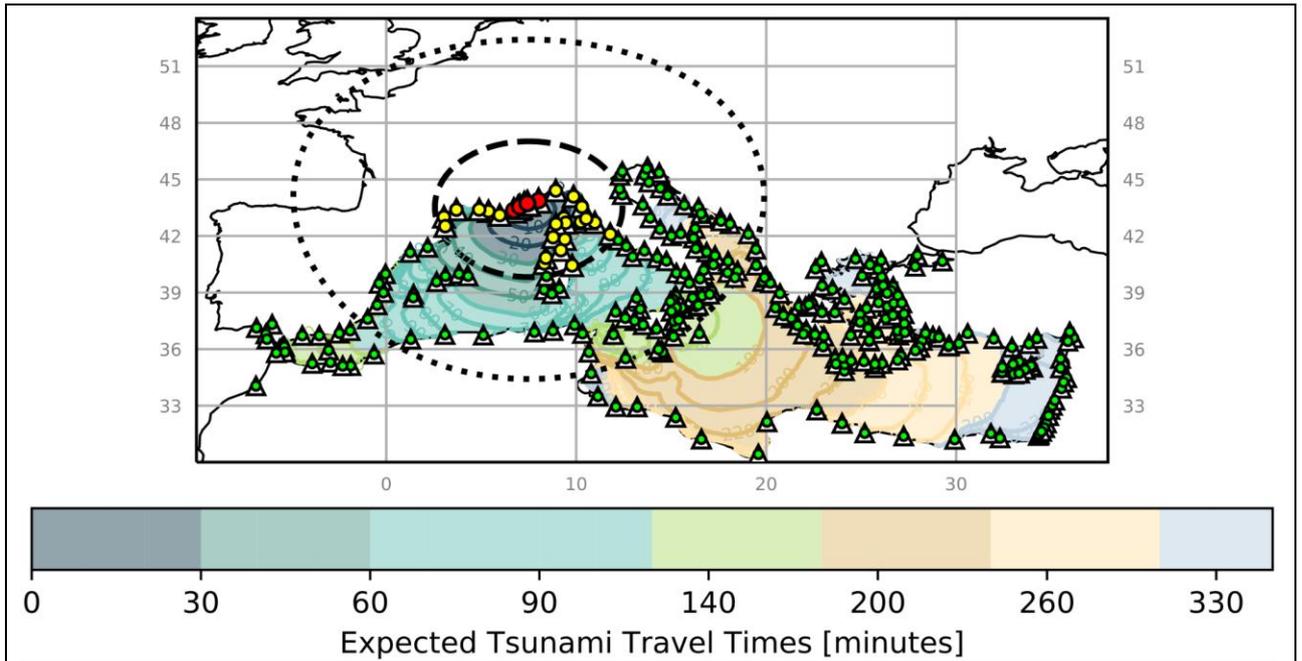
**T(n13): 12:30 UTC (Dissemination of the final message by INGV)**

(The flow chart of message dissemination during NEAMWave26 should be given here):

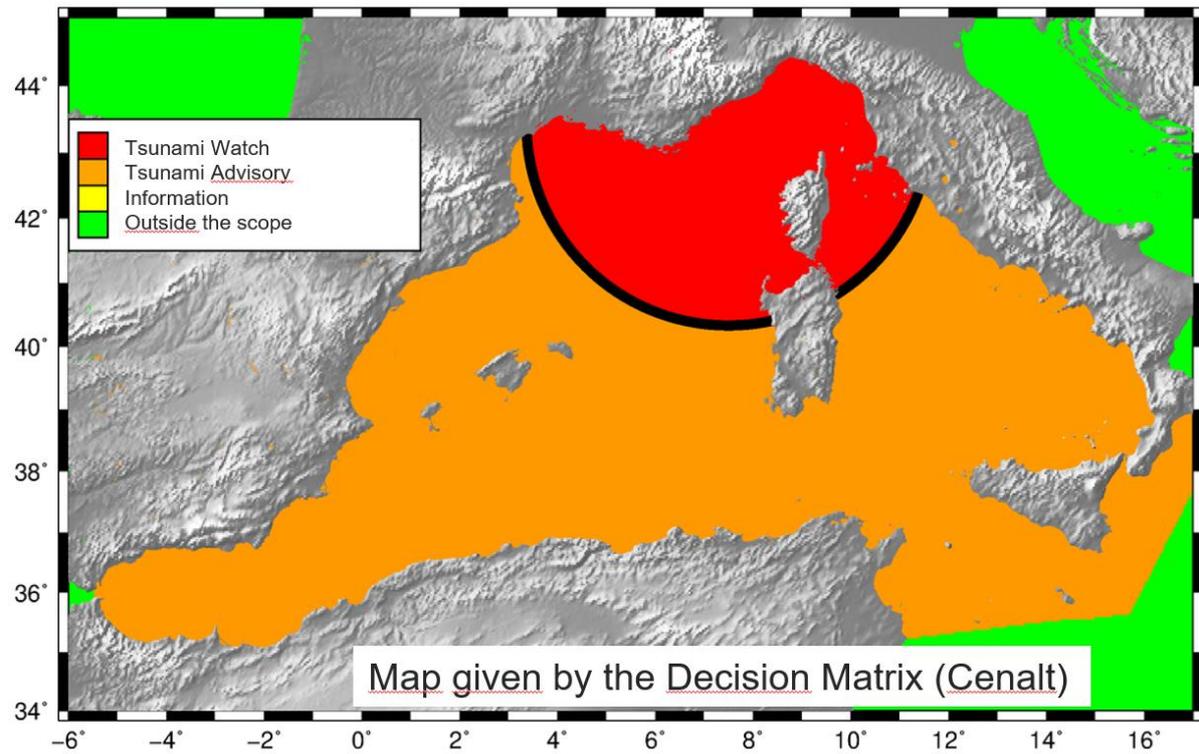
**Flow chart of message dissemination**

Message Number	Alert level	Minutes after the origin time
INGV - 001	Initial WATCH	5
CENALT - 001	Initial WATCH	7
INGV - 002	Ongoing #1	14
CENALT - 002	Ongoing #1	15
CENALT - 003	Ongoing #2	24
INGV - 003	Ongoing #2	35
CENALT - 004	Ongoing #3	40
CENALT - 005	Ongoing #4	70
INGV - 004	Ongoing #3	85
CENALT - 006	Ongoing #5	140
CENALT - 007	END	160
INGV - 005	END	200

The alert level (Figures 5,6) at each forecast point is estimated based on the earthquake scenario parameters (Table 1) and the Decision Matrix (Figure 7).



**Figure 5** – Alert level map. Triangles represent the forecast points (officially provided by IOC, plus INGV's unofficial); contour lines indicate the tsunami travel times, every 10 minutes.



**Figure 6** – Alert level map as given by the decision matrix at Cenalt.

Depth	Epicenter Location	M	Tsunami Potential	Type of Bulletin		
<100 km	Offshore or close the coast (≤ 40 km inland)	5.5≤M≤6.0	Nil	Information Bulletin	Information Bulletin	Information Bulletin
		6.0<M≤6.5	Weak potential of local tsunami	Local Tsunami Advisory	Information Bulletin	Information Bulletin
	Inland (> 40 km and ≤ 100 km)	5.5≤M≤6.5	Nil	Information Bulletin	Information Bulletin	Information Bulletin
	Offshore or close the coast (≤ 100 km inland)	6.5<M≤7.0	Potential of destructive local tsunami < 100 km	Local Tsunami Watch	Regional Tsunami Advisory	Information Bulletin
		7.0<M≤7.5	Potential of destructive regional tsunami < 400 km	Local Tsunami Watch	Regional Tsunami Watch	Basin-wide Tsunami Advisory
	M>7.5	Potential of destructive tsunami in the whole basin > 400 km	Local Tsunami Watch	Regional Tsunami Watch	Basin-wide Tsunami Watch	
≥100 km	Offshore or inland (≤ 100 km)	M≥5.5	Nil	Information Bulletin	Information Bulletin	Information Bulletin

Local ≤ 100 km      100≤Regional <400      Basin-wide ≥ 400

a)

PROFONDEUR	LOCALISATION	MAGNITUDE (M)	POTENTIEL TSUNAMIGÈNE	TYPE DE BULLETIN
< 100 km	Au large ou proche des côtes (40 km à l'intérieur des terres)	5,5 à 6,0	Faible potentiel de tsunami local	Bulletin d'information
		5,5 à 6,5	≤ 400 km	Avertissement de tsunami
			> 400 km	Bulletin d'information
		6,5 à 7,0	≤ 400 km	Alerte au tsunami
	> 400 km		Avertissement de tsunami	
	≥ 7,0	Potential de tsunami destructeur dans l'ensemble du bassin > 400 km	Alerte au tsunami	
	Proche des côtes (> 40 km et ≤ 100 km à l'intérieur des terres)	5,5 à 6,5	Faible potentiel de tsunami local	Bulletin d'information
			6,5 à 7,0	≤ 400 km
> 400 km		Avertissement de tsunami		
≥ 7,0		Potential de tsunami destructeur dans l'ensemble du bassin > 400 km	Alerte au tsunami	
≥ 100 km	Au large ou à l'intérieur des terres (≤ 100 km)	≥ 5,5	Potentiel nul	Bulletin d'information

b)

**Figure 7 – Decision Matrix adopted by a) INGV and b) CENALT.**

During the exercise 12 (5 INGV, 7 CENALT) alert messages will be issued (2 Initial, 3 Ongoing INGV, 5 Ongoing CENALT, 2 End).

It should be pointed out that this exercise mimics the operational procedures which would be adopted in the event of real earthquake and tsunami. However, there are some limitations mainly due to organisational purposes forcing to limit the number of scheduled ongoing messages to be fewer than they would be following such an event. Also the ending of the tsunami alert has been anticipated. Actually, for a real ~M7 earthquake the alert would last for several hours; the number of ongoing messages reporting the tsunami amplitude readings would be definitely greater; the tsunami wave amplitudes eventually measured at the farthest tide-gauges would be also reported, where the tsunami would arrive later than the end of the exercise; the end of the alert would be issued only when the sea level readings indicate a significant decay of the sea level anomaly towards the pre-event level, despite significant current might still be ongoing.

### NEAMWave26 – TSP CAT-INGV Exercise messages

Below are reported the alert messages to be issued by INGV during the exercise; while the text of these messages is the same when transmitted by email, an additional line at the beginning of the message is inserted for the GTS transmission. This line is **WEMM40 LIIB ddHHmm**, where **dd**, **HH**, and **mm** indicate day, hour, and minutes respectively, associate to message's issue time.

#### T(n2): 09:15 UTC (Dissemination of the 1st message)

TSUNAMI MESSAGE NUMBER 001  
NEAM INGV IT-NTWC TSUNAMI SERVICE PROVIDER  
ISSUED AT 0915Z 12 MAR 2026

... TSUNAMI WATCH ...  
THIS ALERT APPLIES TO FRANCE ... ITALY ... MONACO

... TSUNAMI INFORMATION ...

THIS ALERT APPLIES TO ALBANIA ... ALGERIA ... BOSNIA\_HERZEGOVINA ...  
CROATIA ... CYPRUS ... EGYPT ... GREECE ... ISRAEL ... LEBANON ...  
LIBYA ... MALTA ... MONTENEGRO ... MOROCCO ... SLOVENIA ...  
SPAIN ... SYRIA ... TUNISIA ... TURKIYE ... UK

THIS ALERT IS ADDRESSED TO ALL COUNTRIES AND INSTITUTIONS SUBSCRIBED  
TO THE SERVICES OF INGV TSP IN ITS MONITORING AREA

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY  
NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE  
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY  
ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0910Z 12 MAR 2026  
COORDINATES - 43.42 NORTH 7.50 EAST  
DEPTH - 8 KM  
LOCATION - TEST  
MAGNITUDE - 6.9

ALERT LEVEL IS ASSIGNED ACCORDING TO THE ABOVE ESTIMATIONS OF  
EARTHQUAKE PARAMETERS AND BASED ON ICG/NEAMTWS DECISION MATRIX

#### EVALUATION OF TSUNAMI WATCH

IT IS NOT KNOWN THAT A TSUNAMI WAS GENERATED. THIS WATCH IS  
BASED ONLY ON THE EARTHQUAKE EVALUATION.

AN EARTHQUAKE OF THIS SIZE HAS THE POTENTIAL TO GENERATE A TSUNAMI  
THAT CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M  
AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M.

AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS  
POSSIBILITY. THIS CENTER WILL MONITOR SEA LEVEL DATA FROM GAUGES NEAR  
THE EARTHQUAKE TO DETERMINE IF A TSUNAMI WAS GENERATED AND ESTIMATE  
THE SEVERITY OF THE THREAT.

A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE  
LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY  
SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE  
TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE  
THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE

#### EVALUATION OF TSUNAMI INFORMATION

BASED ON HISTORICAL EARTHQUAKE AND TSUNAMI MODELLING THERE IS NO  
THREAT THAT A TSUNAMI HAS BEEN GENERATED THAT CAN CAUSE DAMAGE OR  
MAJOR EFFECT IN THE REGION. THIS MESSAGE IS FOR INFORMATION ONLY.

HOWEVER, AT SOME COASTS, PARTICULARLY THOSE NEAR THE EPICENTER, HIGHER  
TSUNAMIS MAY ARRIVE THAN OUR ESTIMATION.  
AUTHORITIES SHOULD BE AWARE OF THIS POSSIBILITY.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN  
THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.  
LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL  
(ADVISORY, WATCH)

-----  
FRANCE - NICE 43.69N 7.27E 0912Z 12 MAR WATCH  
FRANCE - LA\_FIGUEIRETTE 43.48N 6.93E 0914Z 12 MAR WATCH  
FRANCE - CANNES 43.55N 7.03E 0916Z 12 MAR WATCH  
FRANCE - PORT\_FERREOL 43.36N 6.72E 0918Z 12 MAR WATCH

MONACO - MONACO\_FONTVIEILLE 43.72N 7.45E 0913Z 12 MAR WATCH  
MONACO - MONTE\_CARLO 43.73N 7.43E 0913Z 12 MAR WATCH  
ITALY - IMPERIA 43.88N 8.02E 0922Z 12 MAR WATCH

FRANCE - L\_ILE\_ROUSSE 42.64N 8.93E 0926Z 12 MAR ADVISORY  
FRANCE - TOULONE 43.11N 5.97E 0930Z 12 MAR ADVISORY  
FRANCE - CENTURI 42.97N 9.35E 0930Z 12 MAR ADVISORY  
FRANCE - AJACCIO 41.93N 8.78E 0935Z 12 MAR ADVISORY  
FRANCE - BASTIA 42.70N 9.45E 0949Z 12 MAR ADVISORY  
FRANCE - MARSEILLE 43.31N 5.38E 0951Z 12 MAR ADVISORY  
FRANCE - PORT\_VENDRE 42.52N 3.11E 1005Z 12 MAR ADVISORY  
FRANCE - FOS\_SUR\_MER 43.40N 4.89E 1008Z 12 MAR ADVISORY  
FRANCE - SOLENZARA 41.83N 9.40E 1012Z 12 MAR ADVISORY  
FRANCE - PORT\_LA\_NOUVELLE 43.01N 3.04E 1032Z 12 MAR ADVISORY  
FRANCE - SETE 43.40N 3.69E 1033Z 12 MAR ADVISORY  
ITALY - GENOVA 44.41N 8.93E 0932Z 12 MAR ADVISORY  
ITALY - LA\_SPEZIA 44.10N 9.86E 0955Z 12 MAR ADVISORY  
ITALY - SANTA\_TERESA\_DI\_GALLURA 41.25N 9.19E 0957Z 12 MAR ADVISORY  
ITALY - PORTO\_TORRES 40.84N 8.40E 0957Z 12 MAR ADVISORY  
ITALY - LIVORNO 43.55N 10.30E 1000Z 12 MAR ADVISORY  
ITALY - ALGHERO 40.54N 8.32E 1001Z 12 MAR ADVISORY  
ITALY - PIOMBINO 42.92N 10.53E 1008Z 12 MAR ADVISORY  
ITALY - MARINA\_DI\_CAMPO 42.74N 10.24E 1013Z 12 MAR ADVISORY  
ITALY - MARINA\_DI\_GROSSETO 42.72N 10.98E 1033Z 12 MAR ADVISORY  
ITALY - CIVITAVECCHIA 42.09N 11.79E 1037Z 12 MAR ADVISORY  
ITALY - OROSEI 40.44N 9.78E 1040Z 12 MAR ADVISORY

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND  
EVALUATION ALLOWS. THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL  
AN END OF ALERT IS BROADCAST.

**T(n5): 09:25 UTC (Dissemination of the 2nd message)**

TSUNAMI MESSAGE NUMBER 002  
NEAM INGV IT-NTWC TSUNAMI SERVICE PROVIDER  
ISSUED AT 0925Z 12 MAR 2026

... TSUNAMI WATCH ONGOING ...  
THIS ALERT APPLIES TO FRANCE ... ITALY ... MONACO

... TSUNAMI INFORMATION ...  
THIS ALERT APPLIES TO ALBANIA ... ALGERIA ... BOSNIA\_HERZEGOVINA ...  
CROATIA ... CYPRUS ... EGYPT ... GREECE ... ISRAEL ... LEBANON ...  
LIBYA ... MALTA ... MONTENEGRO ... MOROCCO ... SLOVENIA ...  
SPAIN ... SYRIA ... TUNISIA ... TURKIYE ... UK

THIS ALERT IS ADDRESSED TO ALL COUNTRIES AND INSTITUTIONS SUBSCRIBED  
TO THE SERVICES OF INGV TSP IN ITS MONITORING AREA

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY  
NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE  
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY  
ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0910Z 12 MAR 2026  
COORDINATES - 43.42 NORTH 7.50 EAST  
DEPTH - 8 KM  
LOCATION - TEST  
MAGNITUDE - 6.9

ALERT LEVEL IS ASSIGNED ACCORDING TO THE ABOVE ESTIMATIONS OF EARTHQUAKE PARAMETERS AND BASED ON ICG/NEAMTWS DECISION MATRIX

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED. THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN – UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

EVALUATION OF TSUNAMI INFORMATION

BASED ON HISTORICAL EARTHQUAKE AND TSUNAMI MODELLING THERE IS NO THREAT THAT A TSUNAMI HAS BEEN GENERATED THAT CAN CAUSE DAMAGE OR MAJOR EFFECT IN THE REGION. THIS MESSAGE IS FOR INFORMATION ONLY.

HOWEVER, AT SOME COASTS, PARTICULARLY THOSE NEAR THE EPICENTER, HIGHER TSUNAMIS MAY ARRIVE THAN OUR ESTIMATION. AUTHORITIES SHOULD BE AWARE OF THIS POSSIBILITY.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR. LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL (ADVISORY, WATCH)

-----  
FRANCE - NICE 43.69N 7.27E 0912Z 12 MAR WATCH  
FRANCE - LA\_FIGUEIRETTE 43.48N 6.93E 0914Z 12 MAR WATCH  
FRANCE - CANNES 43.55N 7.03E 0916Z 12 MAR WATCH  
FRANCE - PORT\_FERREOL 43.36N 6.72E 0918Z 12 MAR WATCH  
MONACO - MONACO\_FONTVIEILLE 43.72N 7.45E 0913Z 12 MAR WATCH  
MONACO - MONTE\_CARLO 43.73N 7.43E 0913Z 12 MAR WATCH  
ITALY - IMPERIA 43.88N 8.02E 0922Z 12 MAR WATCH

FRANCE - L\_ILE\_ROUSSE 42.64N 8.93E 0926Z 12 MAR ADVISORY  
FRANCE - TOULONE 43.11N 5.97E 0930Z 12 MAR ADVISORY  
FRANCE - CENTURI 42.97N 9.35E 0930Z 12 MAR ADVISORY  
FRANCE - AJACCIO 41.93N 8.78E 0935Z 12 MAR ADVISORY  
FRANCE - BASTIA 42.70N 9.45E 0949Z 12 MAR ADVISORY  
FRANCE - MARSEILLE 43.31N 5.38E 0951Z 12 MAR ADVISORY  
FRANCE - PORT\_VENDRE 42.52N 3.11E 1005Z 12 MAR ADVISORY  
FRANCE - FOS\_SUR\_MER 43.40N 4.89E 1008Z 12 MAR ADVISORY  
FRANCE - SOLENZARA 41.83N 9.40E 1012Z 12 MAR ADVISORY  
FRANCE - PORT\_LA\_NOUVELLE 43.01N 3.04E 1032Z 12 MAR ADVISORY  
FRANCE - SETE 43.40N 3.69E 1033Z 12 MAR ADVISORY  
ITALY - GENOVA 44.41N 8.93E 0932Z 12 MAR ADVISORY  
ITALY - LA\_SPEZIA 44.10N 9.86E 0955Z 12 MAR ADVISORY  
ITALY - SANTA\_TERESA\_DI\_GALLURA 41.25N 9.19E 0957Z 12 MAR ADVISORY  
ITALY - PORTO\_TORRES 40.84N 8.40E 0957Z 12 MAR ADVISORY  
ITALY - LIVORNO 43.55N 10.30E 1000Z 12 MAR ADVISORY  
ITALY - ALGHERO 40.54N 8.32E 1001Z 12 MAR ADVISORY  
ITALY - PIOMBINO 42.92N 10.53E 1008Z 12 MAR ADVISORY  
ITALY - MARINA\_DI\_CAMPO 42.74N 10.24E 1013Z 12 MAR ADVISORY  
ITALY - MARINA\_DI\_GROSSETO 42.72N 10.98E 1033Z 12 MAR ADVISORY

ITALY - CIVITAVECCHIA 42.09N 11.79E 1037Z 12 MAR ADVISORY  
ITALY - OROSEI 40.44N 9.78E 1040Z 12 MAR ADVISORY

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY  
GAUGE LOCATION LAT LON TIME AMPL PER

-----  
-----  
MONACO - MONACO\_FONTVIEILLE 43.72N 7.45E 0917Z 12 MAR 1.38M  
FRANCE - NICE 43.69N 7.27E 0917Z 12 MAR 2.40M  
FRANCE - LA\_FIGUEIRETTE 43.48N 6.93E 0918Z 12 MAR 0.60M  
FRANCE - PORT\_FERREOL 43.36N 6.72E 0919Z 12 MAR 0.33M  
ITALY - IMPERIA 43.88N 8.02E 0919Z 12 MAR 0.28M

LAT – LATITUDE (N – NORTH, S – SOUTH)

LON – LONGITUDE (E – EAST, W – WEST)

TIME – TIME OF THE MEASUREMENT (Z IS UTC TIME)

AMPL – TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL

IT IS ..NOT.. CREST – TO – TROUGH WAVE HEIGHT.

VALUES ARE GIVE N IN METERS (M)

PER – PERIOD OF TIME IN MINUTES (MIN) FROM WAVE TO THE NEXT.

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND  
EVALUATION ALLOWS.

**T(n7): 09:45 UTC (Dissemination of the 3rd message)**

TSUNAMI MESSAGE NUMBER 003  
NEAM INGV IT-NTWC TSUNAMI SERVICE PROVIDER  
ISSUED AT 0945Z 12 MAR 2026

... TSUNAMI WATCH ONGOING ...  
THIS ALERT APPLIES TO FRANCE ... ITALY ... MONACO

... TSUNAMI INFORMATION ...  
THIS ALERT APPLIES TO ALBANIA ... ALGERIA ... BOSNIA\_HERZEGOVINA ...  
CROATIA ... CYPRUS ... EGYPT ... GREECE ... ISRAEL ... LEBANON ...  
LIBYA ... MALTA ... MONTENEGRO ... MOROCCO ... SLOVENIA ...  
SPAIN ... SYRIA ... TUNISIA ... TURKIYE ... UK

THIS ALERT IS ADDRESSED TO ALL COUNTRIES AND INSTITUTIONS SUBSCRIBED  
TO THE SERVICES OF INGV TSP IN ITS MONITORING AREA

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY  
NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE  
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY  
ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0910Z 12 MAR 2026  
COORDINATES - 43.42 NORTH 7.50 EAST  
DEPTH - 8 KM  
LOCATION - TEST  
MAGNITUDE - 6.9

ALERT LEVEL IS ASSIGNED ACCORDING TO THE ABOVE ESTIMATIONS OF  
EARTHQUAKE PARAMETERS AND BASED ON ICG/NEAMTWS DECISION MATRIX

EVALUATION OF TSUNAMI WATCH  
SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

#### EVALUATION OF TSUNAMI INFORMATION

BASED ON HISTORICAL EARTHQUAKE AND TSUNAMI MODELLING THERE IS NO THREAT THAT A TSUNAMI HAS BEEN GENERATED THAT CAN CAUSE DAMAGE OR MAJOR EFFECT IN THE REGION. THIS MESSAGE IS FOR INFORMATION ONLY.

HOWEVER, AT SOME COASTS, PARTICULARLY THOSE NEAR THE EPICENTER, HIGHER TSUNAMIS MAY ARRIVE THAN OUR ESTIMATION. AUTHORITIES SHOULD BE AWARE OF THIS POSSIBILITY.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR. LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL (ADVISORY, WATCH)

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FRANCE - NICE 43.69N 7.27E 0912Z 12 MAR WATCH  
FRANCE - LA\_FIGUEIRETTE 43.48N 6.93E 0914Z 12 MAR WATCH  
FRANCE - CANNES 43.55N 7.03E 0916Z 12 MAR WATCH  
FRANCE - PORT\_FERREOL 43.36N 6.72E 0918Z 12 MAR WATCH  
MONACO - MONACO\_FONTVIEILLE 43.72N 7.45E 0913Z 12 MAR WATCH  
MONACO - MONTE\_CARLO 43.73N 7.43E 0913Z 12 MAR WATCH  
ITALY - IMPERIA 43.88N 8.02E 0922Z 12 MAR WATCH

FRANCE - L\_ILE\_ROUSSE 42.64N 8.93E 0926Z 12 MAR ADVISORY  
FRANCE - TOULONE 43.11N 5.97E 0930Z 12 MAR ADVISORY  
FRANCE - CENTURI 42.97N 9.35E 0930Z 12 MAR ADVISORY  
FRANCE - AJACCIO 41.93N 8.78E 0935Z 12 MAR ADVISORY  
FRANCE - BASTIA 42.70N 9.45E 0949Z 12 MAR ADVISORY  
FRANCE - MARSEILLE 43.31N 5.38E 0951Z 12 MAR ADVISORY  
FRANCE - PORT\_VENDRE 42.52N 3.11E 1005Z 12 MAR ADVISORY  
FRANCE - FOS\_SUR\_MER 43.40N 4.89E 1008Z 12 MAR ADVISORY  
FRANCE - SOLENZARA 41.83N 9.40E 1012Z 12 MAR ADVISORY  
FRANCE - PORT\_LA\_NOUVELLE 43.01N 3.04E 1032Z 12 MAR ADVISORY  
FRANCE - SETE 43.40N 3.69E 1033Z 12 MAR ADVISORY  
ITALY - GENOVA 44.41N 8.93E 0932Z 12 MAR ADVISORY  
ITALY - LA\_SPEZIA 44.10N 9.86E 0955Z 12 MAR ADVISORY  
ITALY - SANTA\_TERESA\_DI\_GALLURA 41.25N 9.19E 0957Z 12 MAR ADVISORY  
ITALY - PORTO\_TORRES 40.84N 8.40E 0957Z 12 MAR ADVISORY  
ITALY - LIVORNO 43.55N 10.30E 1000Z 12 MAR ADVISORY  
ITALY - ALGHERO 40.54N 8.32E 1001Z 12 MAR ADVISORY  
ITALY - PIOMBINO 42.92N 10.53E 1008Z 12 MAR ADVISORY  
ITALY - MARINA\_DI\_CAMPO 42.74N 10.24E 1013Z 12 MAR ADVISORY  
ITALY - MARINA\_DI\_GROSSETO 42.72N 10.98E 1033Z 12 MAR ADVISORY  
ITALY - CIVITAVECCHIA 42.09N 11.79E 1037Z 12 MAR ADVISORY  
ITALY - OROSEI 40.44N 9.78E 1040Z 12 MAR ADVISORY

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY  
GAUGE LOCATION LAT LON TIME AMPL PER

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MONACO - MONACO\_FONTVIEILLE 43.72N 7.45E 0917Z 12 MAR 1.38M 6MIN  
FRANCE - NICE 43.69N 7.27E 0917Z 12 MAR 2.40M 7MIN  
FRANCE - LA\_FIGUEIRETTE 43.48N 6.93E 0918Z 12 MAR 0.60M 10MIN  
FRANCE - PORT\_FERREOL 43.36N 6.72E 0919Z 12 MAR 0.33M 4MIN  
FRANCE - L\_ILE\_ROUSSE 42.64N 8.93E 0929Z 12 MAR 0.51M 6MIN  
FRANCE - CENTURI 42.97N 9.35E 0929Z 12 MAR 0.40M 6MIN  
ITALY - IMPERIA 43.88N 8.02E 0919Z 12 MAR 0.28M

LAT - LATITUDE (N - NORTH, S - SOUTH)

LON - LONGITUDE (E - EAST, W - WEST)

TIME - TIME OF THE MEASUREMENT (Z IS UTC TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL

IT IS ..NOT.. CREST - TO - TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN METERS (M)

PER - PERIOD OF TIME IN MINUTES (MIN) FROM WAVE TO THE NEXT.

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND  
EVALUATION ALLOWS.

**T(n10): 10:35 UTC (Dissemination of the 4th message)**

TSUNAMI MESSAGE NUMBER 004

NEAM INGV IT-NTWC TSUNAMI SERVICE PROVIDER

ISSUED AT 1035Z 12 MAR 2026

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO FRANCE ... ITALY ... MONACO

... TSUNAMI INFORMATION ...

THIS ALERT APPLIES TO ALBANIA ... ALGERIA ... BOSNIA\_HERZEGOVINA ...

CROATIA ... CYPRUS ... EGYPT ... GREECE ... ISRAEL ... LEBANON ...

LIBYA ... MALTA ... MONTENEGRO ... MOROCCO ... SLOVENIA ...

SPAIN ... SYRIA ... TUNISIA ... TURKIYE ... UK

THIS ALERT IS ADDRESSED TO ALL COUNTRIES AND INSTITUTIONS SUBSCRIBED  
TO THE SERVICES OF INGV TSP IN ITS MONITORING AREA

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY  
NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE  
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY  
ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0910Z 12 MAR 2026

COORDINATES - 43.42 NORTH 7.50 EAST

DEPTH - 8 KM

LOCATION - TEST

MAGNITUDE - 6.9

ALERT LEVEL IS ASSIGNED ACCORDING TO THE ABOVE ESTIMATIONS OF  
EARTHQUAKE PARAMETERS AND BASED ON ICG/NEAMTWS DECISION MATRIX

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN

0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS

CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

#### EVALUATION OF TSUNAMI INFORMATION

BASED ON HISTORICAL EARTHQUAKE AND TSUNAMI MODELLING THERE IS NO THREAT THAT A TSUNAMI HAS BEEN GENERATED THAT CAN CAUSE DAMAGE OR MAJOR EFFECT IN THE REGION. THIS MESSAGE IS FOR INFORMATION ONLY.

HOWEVER, AT SOME COASTS, PARTICULARLY THOSE NEAR THE EPICENTER, HIGHER TSUNAMIS MAY ARRIVE THAN OUR ESTIMATION. AUTHORITIES SHOULD BE AWARE OF THIS POSSIBILITY.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR. LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL (ADVISORY, WATCH)

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FRANCE - NICE 43.69N 7.27E 0912Z 12 MAR WATCH  
FRANCE - LA\_FIGUEIRETTE 43.48N 6.93E 0914Z 12 MAR WATCH  
FRANCE - CANNES 43.55N 7.03E 0916Z 12 MAR WATCH  
FRANCE - PORT\_FERREOL 43.36N 6.72E 0918Z 12 MAR WATCH  
MONACO - MONACO\_FONTVIEILLE 43.72N 7.45E 0913Z 12 MAR WATCH  
MONACO - MONTE\_CARLO 43.73N 7.43E 0913Z 12 MAR WATCH  
ITALY - IMPERIA 43.88N 8.02E 0922Z 12 MAR WATCH

FRANCE - L\_ILE\_ROUSSE 42.64N 8.93E 0926Z 12 MAR ADVISORY  
FRANCE - TOULONE 43.11N 5.97E 0930Z 12 MAR ADVISORY  
FRANCE - CENTURI 42.97N 9.35E 0930Z 12 MAR ADVISORY  
FRANCE - AJACCIO 41.93N 8.78E 0935Z 12 MAR ADVISORY  
FRANCE - BASTIA 42.70N 9.45E 0949Z 12 MAR ADVISORY  
FRANCE - MARSEILLE 43.31N 5.38E 0951Z 12 MAR ADVISORY  
FRANCE - PORT\_VENDRE 42.52N 3.11E 1005Z 12 MAR ADVISORY  
FRANCE - FOS\_SUR\_MER 43.40N 4.89E 1008Z 12 MAR ADVISORY  
FRANCE - SOLENZARA 41.83N 9.40E 1012Z 12 MAR ADVISORY  
FRANCE - PORT\_LA\_NOUVELLE 43.01N 3.04E 1032Z 12 MAR ADVISORY  
FRANCE - SETE 43.40N 3.69E 1033Z 12 MAR ADVISORY  
ITALY - GENOVA 44.41N 8.93E 0932Z 12 MAR ADVISORY  
ITALY - LA\_SPEZIA 44.10N 9.86E 0955Z 12 MAR ADVISORY  
ITALY - SANTA\_TERESA\_DI\_GALLURA 41.25N 9.19E 0957Z 12 MAR ADVISORY  
ITALY - PORTO\_TORRES 40.84N 8.40E 0957Z 12 MAR ADVISORY  
ITALY - LIVORNO 43.55N 10.30E 1000Z 12 MAR ADVISORY  
ITALY - ALGHERO 40.54N 8.32E 1001Z 12 MAR ADVISORY  
ITALY - PIOMBINO 42.92N 10.53E 1008Z 12 MAR ADVISORY  
ITALY - MARINA\_DI\_CAMPO 42.74N 10.24E 1013Z 12 MAR ADVISORY  
ITALY - MARINA\_DI\_GROSSETO 42.72N 10.98E 1033Z 12 MAR ADVISORY  
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MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY  
GAUGE LOCATION LAT LON TIME AMPL PER

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MONACO - MONACO\_FONTVIEILLE 43.72N 7.45E 0917Z 12 MAR 1.38M 6MIN  
FRANCE - NICE 43.69N 7.27E 0917Z 12 MAR 2.40M 7MIN  
FRANCE - LA\_FIGUEIRETTE 43.48N 6.93E 0918Z 12 MAR 0.60M 10MIN  
FRANCE - PORT\_FERREOL 43.36N 6.72E 0919Z 12 MAR 0.33M 4MIN  
FRANCE - L\_ILE\_ROUSSE 42.64N 8.93E 0929Z 12 MAR 0.51M 6MIN  
FRANCE - CENTURI 42.97N 9.35E 0939Z 12 MAR 0.57M 6MIN  
FRANCE - AJACCIO 41.93N 8.78E 0935Z 12 MAR  
ITALY - IMPERIA 43.88N 8.02E 0919Z 12 MAR 0.28M  
ITALY - GENOVA 44.41N 8.93E 0955Z 12 MAR 0.14M  
ITALY - LA\_SPEZIA 44.10N 9.86E 0941Z 12 MAR 0.23M  
ITALY - PORTO\_TORRES 40.84N 8.40E 1017Z 12 MAR 0.15M  
ITALY - LIVORNO 43.55N 10.30E 0954Z 12 MAR 0.13M  
ITALY - MARINA\_DI\_CAMPO 42.74N 10.24E 1019Z 12 MAR 0.69M

LAT – LATITUDE (N – NORTH, S – SOUTH)

LON – LONGITUDE (E – EAST, W – WEST)

TIME – TIME OF THE MEASUREMENT (Z IS UTC TIME)

AMPL – TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL

IT IS ..NOT.. CREST – TO – TROUGH WAVE HEIGHT.

VALUES ARE GIVE N IN METERS (M)

PER – PERIOD OF TIME IN MINUTES (MIN) FROM WAVE TO THE NEXT.

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND  
EVALUATION ALLOWS.

**T(n13): 12:30 UTC (Dissemination of the 5th message)**

TSUNAMI MESSAGE NUMBER 005  
NEAM INGV IT-NTWC TSUNAMI SERVICE PROVIDER  
ISSUED AT 1230Z 12 MAR 2026

... END OF TSUNAMI WATCH ...  
THIS ALERT APPLIES TO FRANCE ... ITALY ... MONACO

... TSUNAMI INFORMATION ...  
THIS ALERT APPLIES TO ALBANIA ... ALGERIA ... BOSNIA\_HERZEGOVINA ...  
CROATIA ... CYPRUS ... EGYPT ... GREECE ... ISRAEL ... LEBANON ...  
LIBYA ... MALTA ... MONTENEGRO ... MOROCCO ... SLOVENIA ...  
SPAIN ... SYRIA ... TUNISIA ... TURKIYE ... UK

THIS ALERT IS ADDRESSED TO ALL COUNTRIES AND INSTITUTIONS SUBSCRIBED  
TO THE SERVICES OF INGV TSP IN ITS MONITORING AREA

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NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE  
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY  
ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0910Z 12 MAR 2026  
COORDINATES - 43.42 NORTH 7.50 EAST  
DEPTH - 8 KM  
LOCATION - TEST  
MAGNITUDE - 6.9

ALERT LEVEL IS ASSIGNED ACCORDING TO THE ABOVE ESTIMATIONS OF  
EARTHQUAKE PARAMETERS AND BASED ON ICG/NEAMTWS DECISION MATRIX

EVALUATION OF TSUNAMI WATCH  
SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
OBSERVATIONS AND MODELS INDICATE THAT NO MORE TSUNAMI WAVES ARE  
EXPECTED.  
THIS WILL BE THE FINAL MESSAGE ISSUED FOR THIS EVENT UNLESS ADDITIONAL  
INFORMATION BECOMES AVAILABLE.

### **NEAMWave26 – TSP CENALT Exercise messages**

Below are reported the alert messages to be issued by CENALT during the exercise; while the text of these messages is the same when transmitted by email, an additional line at the beginning of the message is inserted for the GTS transmission. This line is **WEMQ40 LFPW ddHHmm**, where **dd**, **HH**, and **mm** indicate day, hour, and minutes respectively, associate to message's issue time.

*Note that these example messages have been generated with an original time of 09h00 instead of 09h10, so 10 minutes should be added to all the times indicated in the following messages.*

#### **T(n3): The 1st message would be like:**

TSUNAMI EXERCISE MESSAGE NUMBER 001  
NEAM CENALT TSUNAMI SERVICE PROVIDER  
ISSUED AT 0906Z 12 MAR 2026

... TSUNAMI WATCH ...  
THIS ALERT APPLIES TO FRANCE ... ITALY ... MONACO ... SPAIN

... TSUNAMI ADVISORY ...  
THIS ALERT APPLIES TO ALGERIA ... MOROCCO ... TUNISIA ... UNITED KINGDOM

... TSUNAMI INFORMATION ...  
THIS ALERT APPLIES TO ALBANIA ... BELGIUM ... BULGARIA ... CAPE VERDE ... CROATIA ... CYPRUS ... DENMARK ... EGYPT ... ESTONIA ... FINLAND ... GEORGIA ... GERMANY ... GREECE ... ICELAND ... IRELAND ... ISRAEL ... LEBANON ... LIBYA ... MALTA ... MAURITANIA ... MONTENEGRO ... NETHERLANDS ... NORWAY ... POLAND ... PORTUGAL ... ROMANIA ... RUSSIAN FEDERATION ... SLOVENIA ... SWEDEN ... SYRIA ... TURKEY ... UKRAINE

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0900Z 12 MAR 2026  
COORDINATES - 43.42 NORTH 7.50 EAST  
DEPTH - 8 KM  
LOCATION - NEAR SOUTH COAST OF FRANCE  
MAGNITUDE - 6.9

EVALUATION OF TSUNAMI WATCH  
IT IS NOT KNOWN THAT A TSUNAMI WAS GENERATED.  
THIS WARNING IS BASED ONLY ON THE EARTHQUAKE EVALUATION.  
AN EARTHQUAKE OF THIS SIZE HAS THE POTENTIAL TO GENERATE A TSUNAMI THAT CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M.  
AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. THIS CENTER WILL MONITOR SEA LEVEL DATA FROM GAUGES NEAR THE EARTHQUAKE TO DETERMINE IF A TSUNAMI WAS GENERATED AND ESTIMATE THE SEVERITY OF THE THREAT.  
A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE

LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

EVALUATION OF TSUNAMI ADVISORY

IT IS NOT KNOWN THAT A TSUNAMI WAS GENERATED.

THIS WARNING IS BASED ONLY ON THE EARTHQUAKE EVALUATION.

AN EARTHQUAKE OF THIS SIZE HAS THE POTENTIAL TO GENERATE A TSUNAMI THAT CAN STRIKE COASTLINES WITH A WAVE HEIGHT LESS THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP LESS THAN 1M.

AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. THIS CENTER WILL MONITOR SEA LEVEL DATA FROM GAUGES NEAR THE EARTHQUAKE TO DETERMINE IF A TSUNAMI WAS GENERATED AND ESTIMATE THE SEVERITY OF THE THREAT.

A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

EVALUATION OF TSUNAMI INFORMATION

BASED ON HISTORICAL EARTHQUAKE AND TSUNAMI MODELLING THERE IS NO THREAT THAT A TSUNAMI HAS BEEN GENERATED THAT CAN CAUSE DAMAGE OR MAJOR EFFECT IN THE REGION. THIS MESSAGE IS FOR INFORMATION ONLY.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR. LOCATION FORECAST POINT COORDINATES ARRIVAL TIME LEVEL (ADVISORY, WATCH)

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FRANCE - NICE 43.70N 7.27E 0906Z 12 MAR WATCH  
FRANCE - CANNES 43.55N 7.03E 0909Z 12 MAR WATCH  
FRANCE - LILEROUSSE 42.64N 8.93E 0921Z 12 MAR WATCH  
FRANCE - TOULON 43.11N 5.97E 0922Z 12 MAR WATCH  
FRANCE - AJACCIO 41.93N 8.78E 0928Z 12 MAR WATCH  
FRANCE - BASTIA 42.70N 9.45E 0943Z 12 MAR WATCH  
FRANCE - MARSEILLE 43.31N 5.38E 0947Z 12 MAR WATCH  
FRANCE - SOLENZARA 41.83N 9.40E 1006Z 12 MAR WATCH  
FRANCE - PORTVENDRE 42.52N 3.11E 1006Z 12 MAR WATCH  
FRANCE - SETE 43.40N 3.69E 1030Z 12 MAR WATCH  
MONACO - MONACO 43.73N 7.42E 0906Z 12 MAR WATCH  
ITALY - IMPERIA 43.88N 8.02E 0912Z 12 MAR WATCH  
ITALY - MARINA DI ANDORA 43.95N 8.15E 0918Z 12 MAR WATCH  
ITALY - GENOVA 44.41N 8.93E 0923Z 12 MAR WATCH  
ITALY - GORGONA 43.57N 9.96E 0929Z 12 MAR WATCH  
ITALY - LA SPEZIA 44.10N 9.86E 0944Z 12 MAR WATCH  
ITALY - LERICI 44.06N 9.91E 0944Z 12 MAR WATCH  
ITALY - ALGHERO 40.54N 8.31E 0952Z 12 MAR WATCH  
ITALY - LIVORNO 43.55N 10.30E 0953Z 12 MAR WATCH  
ITALY - SANTA TERESA DI GALLURA 41.25N 9.19E 0953Z 12 MAR WATCH  
ITALY - MARINA DI CAMPO 42.74N 10.24E 0955Z 12 MAR WATCH  
ITALY - MARINA DI PISA 43.62N 10.28E 0956Z 12 MAR WATCH  
ITALY - PORTO TORRES 40.84N 8.40E 0959Z 12 MAR WATCH  
ITALY - PIOMBINO 42.92N 10.53E 1004Z 12 MAR WATCH  
ITALY - CASTIGLIONE DELLA PESCAIA 42.74N 10.89E 1021Z 12 MAR WATCH  
ITALY - MARINA DI GROSSETO 42.72N 10.98E 1027Z 12 MAR WATCH  
ITALY - CIVITAVECCHIA 42.06N 11.81E 1029Z 12 MAR WATCH  
ITALY - OROSEI 40.44N 9.78E 1038Z 12 MAR WATCH  
ITALY - CALA LIBEROTTO 40.44N 9.79E 1038Z 12 MAR WATCH

SPAIN - MAHON 39.89N 4.26E 0958Z 12 MAR ADVISORY  
SPAIN - BARCELONA 41.39N 2.17E 1007Z 12 MAR ADVISORY  
SPAIN - TARRAGONA 41.12N 1.24E 1023Z 12 MAR ADVISORY  
SPAIN - PALMADEMALLORCA 39.57N 2.65E 1047Z 12 MAR ADVISORY  
SPAIN - IBIZA 38.91N 1.43E 1048Z 12 MAR ADVISORY  
SPAIN - CARTAGENA 37.61N 0.94W 1101Z 12 MAR ADVISORY  
SPAIN - CASTELLONDELAPLANA 39.98N 0.03W 1105Z 12 MAR ADVISORY  
SPAIN - VALENCIA 39.47N 0.38W 1106Z 12 MAR ADVISORY  
SPAIN - ALICANTE 38.34N 0.48W 1114Z 12 MAR ADVISORY  
SPAIN - ALMERIA 36.84N 2.47W 1123Z 12 MAR ADVISORY  
SPAIN - MELILLA 35.29N 2.94W 1140Z 12 MAR ADVISORY  
SPAIN - MALAGA 36.72N 4.42W 1150Z 12 MAR ADVISORY  
SPAIN - CEUTA 35.89N 5.32W 1154Z 12 MAR ADVISORY  
SPAIN - ALGECIRAS 36.18N 5.40W 1156Z 12 MAR ADVISORY  
SPAIN - CADIZ 36.53N 6.29W 1256Z 12 MAR ADVISORY  
SPAIN - HUELVA 37.26N 6.95W 1323Z 12 MAR ADVISORY  
ITALY - ORISTANO 39.86N 8.44E 1015Z 12 MAR ADVISORY  
ITALY - CARLOFORTE 39.15N 8.31E 1023Z 12 MAR ADVISORY  
ITALY - QUARTO SANT ELENA 39.21N 9.27E 1031Z 12 MAR ADVISORY  
ITALY - PONZA 40.88N 12.95E 1038Z 12 MAR ADVISORY  
ITALY - FIUMICINO 41.77N 12.21E 1044Z 12 MAR ADVISORY  
ITALY - ANZIO 41.45N 12.63E 1047Z 12 MAR ADVISORY  
ITALY - CAGLIARI 39.21N 9.11E 1047Z 12 MAR ADVISORY  
ITALY - PALERMO 38.22N 13.34E 1059Z 12 MAR ADVISORY  
ITALY - GAETA 41.21N 13.59E 1059Z 12 MAR ADVISORY  
ITALY - GINOSTRA 38.78N 15.19E 1100Z 12 MAR ADVISORY  
ITALY - NAPOLI 40.84N 14.27E 1102Z 12 MAR ADVISORY  
ITALY - SALERNO 40.68N 14.75E 1105Z 12 MAR ADVISORY  
ITALY - PALINURO 40.03N 15.28E 1106Z 12 MAR ADVISORY  
ITALY - CETRARO 39.49N 15.94E 1110Z 12 MAR ADVISORY  
ITALY - MILAZZO 38.21N 15.27E 1111Z 12 MAR ADVISORY  
ITALY - VIBO MARINA 38.72N 16.13E 1115Z 12 MAR ADVISORY  
ITALY - MESSINA 38.20N 15.56E 1121Z 12 MAR ADVISORY  
ITALY - REGGIO CALABRIA 38.12N 15.65E 1122Z 12 MAR ADVISORY  
ITALY - MAZARA DEL VALLO 37.64N 12.58E 1125Z 12 MAR ADVISORY  
ITALY - CATANIA 37.44N 15.10E 1142Z 12 MAR ADVISORY  
ITALY - SIRACUSA 37.22N 15.23E 1142Z 12 MAR ADVISORY  
ITALY - SIDERNO 38.27N 16.30E 1144Z 12 MAR ADVISORY  
ITALY - SCIACCA 37.50N 13.08E 1150Z 12 MAR ADVISORY  
ITALY - CATANZARO 38.83N 16.63E 1156Z 12 MAR ADVISORY  
ITALY - LAMPEDUSA 35.50N 12.60E 1158Z 12 MAR ADVISORY  
ITALY - PORTO EMPEDOCLE 37.29N 13.53E 1159Z 12 MAR ADVISORY  
ITALY - CROTONE 39.08N 17.13E 1205Z 12 MAR ADVISORY  
ITALY - GELA 37.06N 14.23E 1209Z 12 MAR ADVISORY  
ITALY - LAGHI DI SIBARI 39.73N 16.52E 1225Z 12 MAR ADVISORY  
ITALY - GALLIPOLI 40.05N 17.97E 1225Z 12 MAR ADVISORY  
ITALY - POLICORO LIDO 40.19N 16.72E 1235Z 12 MAR ADVISORY  
ALGERIA - JIJEL 36.82N 5.79E 1022Z 12 MAR ADVISORY  
ALGERIA - ALGER 36.77N 3.08E 1030Z 12 MAR ADVISORY  
TUNISIA - TABARKA 36.96N 8.75E 1032Z 12 MAR ADVISORY  
TUNISIA - TUNIS 36.81N 10.31E 1145Z 12 MAR ADVISORY  
MOROCCO - MDIEQ 35.69N 3.31W 1125Z 12 MAR ADVISORY  
MOROCCO - NADOR 35.28N 2.90W 1139Z 12 MAR ADVISORY  
MOROCCO - AL-HOCEIMA 35.25N 3.91W 1143Z 12 MAR ADVISORY  
MOROCCO - TANGER-MED 35.89N 5.55W 1155Z 12 MAR ADVISORY  
UNITED KINGDOM - GIBRALTAR 36.13N 5.35W 1152Z 12 MAR ADVISORY

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS.  
THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

**T(n4): The 2<sup>nd</sup> message would be like:**

TSUNAMI EXERCISE MESSAGE NUMBER 002

NEAM CENALT TSUNAMI SERVICE PROVIDER  
ISSUED AT 1458Z 12 MAR 2025

... TSUNAMI WATCH ONGOING ...  
THIS ALERT APPLIES TO FRANCE ... ITALY ... MONACO ... SPAIN

... TSUNAMI ADVISORY ONGOING ...  
THIS ALERT APPLIES TO ALGERIA ... MOROCCO ... TUNISIA ... UNITED KINGDOM

... TSUNAMI INFORMATION ONGOING ...  
THIS ALERT APPLIES TO ALBANIA ... BELGIUM ... BULGARIA ... CAPE VERDE ... CROATIA ... CYPRUS ... DENMARK ... EGYPT ... ESTONIA ... FINLAND ... GEORGIA ... GERMANY ... GREECE ... ICELAND ... IRELAND ... ISRAEL ... LEBANON ... LIBYA ... MALTA ... MAURITANIA ... MONTENEGRO ... NETHERLANDS ... NORWAY ... POLAND ... PORTUGAL ... ROMANIA ... RUSSIAN FEDERATION ... SLOVENIA ... SWEDEN ... SYRIA ... TURKEY ... UKRAINE

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0900Z 12 MAR 2025  
COORDINATES - 43.42 NORTH 7.50 EAST  
DEPTH - 8 KM  
LOCATION - NEAR SOUTH COAST OF FRANCE  
MAGNITUDE - 6.9

EVALUATION OF TSUNAMI WATCH  
SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M.  
THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED.  
AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY.  
A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

EVALUATION OF TSUNAMI ADVISORY  
SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT LESS THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP LESS THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED.  
AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY.  
A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

EVALUATION OF TSUNAMI INFORMATION  
BASED ON HISTORICAL EARTHQUAKE AND TSUNAMI MODELLING THERE IS NO THREAT THAT A TSUNAMI HAS BEEN GENERATED THAT CAN CAUSE DAMAGE OR MAJOR EFFECT IN THE REGION. THIS MESSAGE IS FOR INFORMATION ONLY.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.  
LOCATION FORECAST POINT COORDINATES ARRIVAL TIME LEVEL (ADVISORY, WATCH)

-----  
FRANCE - NICE 43.70N 7.27E 0906Z 12 MAR WATCH  
FRANCE - CANNES 43.55N 7.03E 0909Z 12 MAR WATCH  
FRANCE - LILEROUSSE 42.64N 8.93E 0921Z 12 MAR WATCH  
FRANCE - TOULON 43.11N 5.97E 0922Z 12 MAR WATCH  
FRANCE - AJACCIO 41.93N 8.78E 0928Z 12 MAR WATCH  
FRANCE - BASTIA 42.70N 9.45E 0943Z 12 MAR WATCH  
FRANCE - MARSEILLE 43.31N 5.38E 0947Z 12 MAR WATCH  
FRANCE - SOLENZARA 41.83N 9.40E 1006Z 12 MAR WATCH  
FRANCE - PORTVENDRE 42.52N 3.11E 1006Z 12 MAR WATCH  
FRANCE - SETE 43.40N 3.69E 1030Z 12 MAR WATCH  
MONACO - MONACO 43.73N 7.42E 0906Z 12 MAR WATCH  
ITALY - IMPERIA 43.88N 8.02E 0912Z 12 MAR WATCH  
ITALY - MARINA DI ANDORA 43.95N 8.15E 0918Z 12 MAR WATCH  
ITALY - GENOVA 44.41N 8.93E 0923Z 12 MAR WATCH  
ITALY - GORGONA 43.57N 9.96E 0929Z 12 MAR WATCH  
ITALY - LA SPEZIA 44.10N 9.86E 0944Z 12 MAR WATCH  
ITALY - LERICI 44.06N 9.91E 0944Z 12 MAR WATCH  
ITALY - ALGHERO 40.54N 8.31E 0952Z 12 MAR WATCH  
ITALY - LIVORNO 43.55N 10.30E 0953Z 12 MAR WATCH  
ITALY - SANTA TERESA DI GALLURA 41.25N 9.19E 0953Z 12 MAR WATCH  
ITALY - MARINA DI CAMPO 42.74N 10.24E 0955Z 12 MAR WATCH  
ITALY - MARINA DI PISA 43.62N 10.28E 0956Z 12 MAR WATCH  
ITALY - PORTO TORRES 40.84N 8.40E 0959Z 12 MAR WATCH  
ITALY - PIOMBINO 42.92N 10.53E 1004Z 12 MAR WATCH  
ITALY - CASTIGLIONE DELLA PESCAIA 42.74N 10.89E 1021Z 12 MAR WATCH  
ITALY - MARINA DI GROSSETO 42.72N 10.98E 1027Z 12 MAR WATCH  
ITALY - CIVITAVECCHIA 42.06N 11.81E 1029Z 12 MAR WATCH  
ITALY - OROSEI 40.44N 9.78E 1038Z 12 MAR WATCH  
ITALY - CALA LIBEROTTO 40.44N 9.79E 1038Z 12 MAR WATCH

SPAIN - MAHON 39.89N 4.26E 0958Z 12 MAR ADVISORY  
SPAIN - BARCELONA 41.39N 2.17E 1007Z 12 MAR ADVISORY  
SPAIN - TARRAGONA 41.12N 1.24E 1023Z 12 MAR ADVISORY  
SPAIN - PALMADEMALLORCA 39.57N 2.65E 1047Z 12 MAR ADVISORY  
SPAIN - IBIZA 38.91N 1.43E 1048Z 12 MAR ADVISORY  
SPAIN - CARTAGENA 37.61N 0.94W 1101Z 12 MAR ADVISORY  
SPAIN - CASTELLONDELAPLANA 39.98N 0.03W 1105Z 12 MAR ADVISORY  
SPAIN - VALENCIA 39.47N 0.38W 1106Z 12 MAR ADVISORY  
SPAIN - ALICANTE 38.34N 0.48W 1114Z 12 MAR ADVISORY  
SPAIN - ALMERIA 36.84N 2.47W 1123Z 12 MAR ADVISORY  
SPAIN - MELILLA 35.29N 2.94W 1140Z 12 MAR ADVISORY  
SPAIN - MALAGA 36.72N 4.42W 1150Z 12 MAR ADVISORY  
SPAIN - CEUTA 35.89N 5.32W 1154Z 12 MAR ADVISORY  
SPAIN - ALGECIRAS 36.18N 5.40W 1156Z 12 MAR ADVISORY  
SPAIN - CADIZ 36.53N 6.29W 1256Z 12 MAR ADVISORY  
SPAIN - HUELVA 37.26N 6.95W 1323Z 12 MAR ADVISORY  
ITALY - ORISTANO 39.86N 8.44E 1015Z 12 MAR ADVISORY  
ITALY - CARLOFORTE 39.15N 8.31E 1023Z 12 MAR ADVISORY  
ITALY - QUARTO SANT ELENA 39.21N 9.27E 1031Z 12 MAR ADVISORY  
ITALY - PONZA 40.88N 12.95E 1038Z 12 MAR ADVISORY  
ITALY - FIUMICINO 41.77N 12.21E 1044Z 12 MAR ADVISORY  
ITALY - ANZIO 41.45N 12.63E 1047Z 12 MAR ADVISORY  
ITALY - CAGLIARI 39.21N 9.11E 1047Z 12 MAR ADVISORY  
ITALY - PALERMO 38.22N 13.34E 1059Z 12 MAR ADVISORY  
ITALY - GAETA 41.21N 13.59E 1059Z 12 MAR ADVISORY  
ITALY - GINOSTRA 38.78N 15.19E 1100Z 12 MAR ADVISORY  
ITALY - NAPOLI 40.84N 14.27E 1102Z 12 MAR ADVISORY  
ITALY - SALERNO 40.68N 14.75E 1105Z 12 MAR ADVISORY  
ITALY - PALINURO 40.03N 15.28E 1106Z 12 MAR ADVISORY  
ITALY - CETRARO 39.49N 15.94E 1110Z 12 MAR ADVISORY  
ITALY - MILAZZO 38.21N 15.27E 1111Z 12 MAR ADVISORY  
ITALY - VIBO MARINA 38.72N 16.13E 1115Z 12 MAR ADVISORY

ITALY - MESSINA 38.20N 15.56E 1121Z 12 MAR ADVISORY  
ITALY - REGGIO CALABRIA 38.12N 15.65E 1122Z 12 MAR ADVISORY  
ITALY - MAZARA DEL VALLO 37.64N 12.58E 1125Z 12 MAR ADVISORY  
ITALY - CATANIA 37.44N 15.10E 1142Z 12 MAR ADVISORY  
ITALY - SIRACUSA 37.22N 15.23E 1142Z 12 MAR ADVISORY  
ITALY - SIDERNO 38.27N 16.30E 1144Z 12 MAR ADVISORY  
ITALY - SCIACCA 37.50N 13.08E 1150Z 12 MAR ADVISORY  
ITALY - CATANZARO 38.83N 16.63E 1156Z 12 MAR ADVISORY  
ITALY - LAMPEDUSA 35.50N 12.60E 1158Z 12 MAR ADVISORY  
ITALY - PORTO EMPEDOCLE 37.29N 13.53E 1159Z 12 MAR ADVISORY  
ITALY - CROTONE 39.08N 17.13E 1205Z 12 MAR ADVISORY  
ITALY - GELA 37.06N 14.23E 1209Z 12 MAR ADVISORY  
ITALY - LAGHI DI SIBARI 39.73N 16.52E 1225Z 12 MAR ADVISORY  
ITALY - GALLIPOLI 40.05N 17.97E 1225Z 12 MAR ADVISORY  
ITALY - POLICORO LIDO 40.19N 16.72E 1235Z 12 MAR ADVISORY  
ALGERIA - JIJEL 36.82N 5.79E 1022Z 12 MAR ADVISORY  
ALGERIA - ALGER 36.77N 3.08E 1030Z 12 MAR ADVISORY  
TUNISIA - TABARKA 36.96N 8.75E 1032Z 12 MAR ADVISORY  
TUNISIA - TUNIS 36.81N 10.31E 1145Z 12 MAR ADVISORY  
MOROCCO - MDIEQ 35.69N 3.31W 1125Z 12 MAR ADVISORY  
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MOROCCO - TANGER-MED 35.89N 5.55W 1155Z 12 MAR ADVISORY  
UNITED KINGDOM - GIBRALTAR 36.13N 5.35W 1152Z 12 MAR ADVISORY

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY  
GAUGE LOCATION LAT LON TIME AMPL PER

-----  
MONC 43.73N 7.42E 0905Z 1.80M 6MIN (Monaco)  
NICE 43.70N 7.29E 0904Z 4.15M 5MIN (Nice)  
FIGU 43.48N 6.93E 0906Z 0.14M 1MIN (La Figueirette (Theoule Sur Mer))

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS.  
THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

**T(n6): The 3<sup>rd</sup> message would be like:**

TSUNAMI EXERCISE MESSAGE NUMBER 002  
NEAM CENALT TSUNAMI SERVICE PROVIDER  
ISSUED AT 1458Z 24 NOV 2025

... TSUNAMI WATCH ONGOING ...  
THIS ALERT APPLIES TO FRANCE ... ITALY ... MONACO ... SPAIN

... TSUNAMI ADVISORY ONGOING ...  
THIS ALERT APPLIES TO ALGERIA ... MOROCCO ... TUNISIA ... UNITED KINGDOM

... TSUNAMI INFORMATION ONGOING ...  
THIS ALERT APPLIES TO ALBANIA ... BELGIUM ... BULGARIA ... CAPE VERDE ... CROATIA ... CYPRUS ... DENMARK ... EGYPT  
... ESTONIA ... FINLAND ... GEORGIA ... GERMANY ... GREECE ... ICELAND ... IRELAND ... ISRAEL ... LEBANON ... LIBYA ...  
MALTA ... MAURITANIA ... MONTENEGRO ... NETHERLANDS ... NORWAY ... POLAND ... PORTUGAL ... ROMANIA ... RUSSIAN  
FEDERATION ... SLOVENIA ... SWEDEN ... SYRIA ... TURKEY ... UKRAINE

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT  
AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND  
ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0900Z 24 NOV 2025  
COORDINATES - 43.42 NORTH 7.50 EAST  
DEPTH - 8 KM  
LOCATION - NEAR SOUTH COAST OF FRANCE  
MAGNITUDE - 6.9

EVALUATION OF TSUNAMI WATCH  
SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

#### EVALUATION OF TSUNAMI ADVISORY

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED. THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT LESS THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP LESS THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

#### EVALUATION OF TSUNAMI INFORMATION

BASED ON HISTORICAL EARTHQUAKE AND TSUNAMI MODELLING THERE IS NO THREAT THAT A TSUNAMI HAS BEEN GENERATED THAT CAN CAUSE DAMAGE OR MAJOR EFFECT IN THE REGION. THIS MESSAGE IS FOR INFORMATION ONLY.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR. LOCATION FORECAST POINT COORDINATES ARRIVAL TIME LEVEL (ADVISORY, WATCH)

-----

FRANCE - NICE 43.70N 7.27E 0906Z 24 NOV WATCH  
 FRANCE - CANNES 43.55N 7.03E 0909Z 24 NOV WATCH  
 FRANCE - LILEROUSSE 42.64N 8.93E 0921Z 24 NOV WATCH  
 FRANCE - TOULON 43.11N 5.97E 0922Z 24 NOV WATCH  
 FRANCE - AJACCIO 41.93N 8.78E 0928Z 24 NOV WATCH  
 FRANCE - BASTIA 42.70N 9.45E 0943Z 24 NOV WATCH  
 FRANCE - MARSEILLE 43.31N 5.38E 0947Z 24 NOV WATCH  
 FRANCE - SOLENZARA 41.83N 9.40E 1006Z 24 NOV WATCH  
 FRANCE - PORTVENDRE 42.52N 3.11E 1006Z 24 NOV WATCH  
 FRANCE - SETE 43.40N 3.69E 1030Z 24 NOV WATCH  
 MONACO - MONACO 43.73N 7.42E 0906Z 24 NOV WATCH  
 ITALY - IMPERIA 43.88N 8.02E 0912Z 24 NOV WATCH  
 ITALY - MARINA DI ANDORA 43.95N 8.15E 0918Z 24 NOV WATCH  
 ITALY - GENOVA 44.41N 8.93E 0923Z 24 NOV WATCH  
 ITALY - GORGONA 43.57N 9.96E 0929Z 24 NOV WATCH  
 ITALY - LA SPEZIA 44.10N 9.86E 0944Z 24 NOV WATCH  
 ITALY - LERICI 44.06N 9.91E 0944Z 24 NOV WATCH  
 ITALY - ALGHERO 40.54N 8.31E 0952Z 24 NOV WATCH  
 ITALY - LIVORNO 43.55N 10.30E 0953Z 24 NOV WATCH  
 ITALY - SANTA TERESA DI GALLURA 41.25N 9.19E 0953Z 24 NOV WATCH  
 ITALY - MARINA DI CAMPO 42.74N 10.24E 0955Z 24 NOV WATCH  
 ITALY - MARINA DI PISA 43.62N 10.28E 0956Z 24 NOV WATCH  
 ITALY - PORTO TORRES 40.84N 8.40E 0959Z 24 NOV WATCH  
 ITALY - PIOMBINO 42.92N 10.53E 1004Z 24 NOV WATCH  
 ITALY - CASTIGLIONE DELLA PESCAIA 42.74N 10.89E 1021Z 24 NOV WATCH  
 ITALY - MARINA DI GROSSETO 42.72N 10.98E 1027Z 24 NOV WATCH  
 ITALY - CIVITAVECCHIA 42.06N 11.81E 1029Z 24 NOV WATCH  
 ITALY - OROSEI 40.44N 9.78E 1038Z 24 NOV WATCH  
 ITALY - CALA LIBEROTTO 40.44N 9.79E 1038Z 24 NOV WATCH

SPAIN - MAHON 39.89N 4.26E 0958Z 24 NOV ADVISORY  
 SPAIN - BARCELONA 41.39N 2.17E 1007Z 24 NOV ADVISORY  
 SPAIN - TARRAGONA 41.12N 1.24E 1023Z 24 NOV ADVISORY  
 SPAIN - PALMADELLORCA 39.57N 2.65E 1047Z 24 NOV ADVISORY

SPAIN - IBIZA 38.91N 1.43E 1048Z 24 NOV ADVISORY  
SPAIN - CARTAGENA 37.61N 0.94W 1101Z 24 NOV ADVISORY  
SPAIN - CASTELLONDELAPLANA 39.98N 0.03W 1105Z 24 NOV ADVISORY  
SPAIN - VALENCIA 39.47N 0.38W 1106Z 24 NOV ADVISORY  
SPAIN - ALICANTE 38.34N 0.48W 1114Z 24 NOV ADVISORY  
SPAIN - ALMERIA 36.84N 2.47W 1123Z 24 NOV ADVISORY  
SPAIN - MELILLA 35.29N 2.94W 1140Z 24 NOV ADVISORY  
SPAIN - MALAGA 36.72N 4.42W 1150Z 24 NOV ADVISORY  
SPAIN - CEUTA 35.89N 5.32W 1154Z 24 NOV ADVISORY  
SPAIN - ALGECIRAS 36.18N 5.40W 1156Z 24 NOV ADVISORY  
SPAIN - CADIZ 36.53N 6.29W 1256Z 24 NOV ADVISORY  
SPAIN - HUELVA 37.26N 6.95W 1323Z 24 NOV ADVISORY  
ITALY - ORISTANO 39.86N 8.44E 1015Z 24 NOV ADVISORY  
ITALY - CARLOFORTE 39.15N 8.31E 1023Z 24 NOV ADVISORY  
ITALY - QUARTO SANT ELENA 39.21N 9.27E 1031Z 24 NOV ADVISORY  
ITALY - PONZA 40.88N 12.95E 1038Z 24 NOV ADVISORY  
ITALY - FIUMICINO 41.77N 12.21E 1044Z 24 NOV ADVISORY  
ITALY - ANZIO 41.45N 12.63E 1047Z 24 NOV ADVISORY  
ITALY - CAGLIARI 39.21N 9.11E 1047Z 24 NOV ADVISORY  
ITALY - PALERMO 38.22N 13.34E 1059Z 24 NOV ADVISORY  
ITALY - GAETA 41.21N 13.59E 1059Z 24 NOV ADVISORY  
ITALY - GINOSTRA 38.78N 15.19E 1100Z 24 NOV ADVISORY  
ITALY - NAPOLI 40.84N 14.27E 1102Z 24 NOV ADVISORY  
ITALY - SALERNO 40.68N 14.75E 1105Z 24 NOV ADVISORY  
ITALY - PALINURO 40.03N 15.28E 1106Z 24 NOV ADVISORY  
ITALY - CETRARO 39.49N 15.94E 1110Z 24 NOV ADVISORY  
ITALY - MILAZZO 38.21N 15.27E 1111Z 24 NOV ADVISORY  
ITALY - VIBO MARINA 38.72N 16.13E 1115Z 24 NOV ADVISORY  
ITALY - MESSINA 38.20N 15.56E 1121Z 24 NOV ADVISORY  
ITALY - REGGIO CALABRIA 38.12N 15.65E 1122Z 24 NOV ADVISORY  
ITALY - MAZARA DEL VALLO 37.64N 12.58E 1125Z 24 NOV ADVISORY  
ITALY - CATANIA 37.44N 15.10E 1142Z 24 NOV ADVISORY  
ITALY - SIRACUSA 37.22N 15.23E 1142Z 24 NOV ADVISORY  
ITALY - SIDERNO 38.27N 16.30E 1144Z 24 NOV ADVISORY  
ITALY - SCIACCA 37.50N 13.08E 1150Z 24 NOV ADVISORY  
ITALY - CATANZARO 38.83N 16.63E 1156Z 24 NOV ADVISORY  
ITALY - LAMPEDUSA 35.50N 12.60E 1158Z 24 NOV ADVISORY  
ITALY - PORTO EMPEDOCLE 37.29N 13.53E 1159Z 24 NOV ADVISORY  
ITALY - CROTONE 39.08N 17.13E 1205Z 24 NOV ADVISORY  
ITALY - GELA 37.06N 14.23E 1209Z 24 NOV ADVISORY  
ITALY - LAGHI DI SIBARI 39.73N 16.52E 1225Z 24 NOV ADVISORY  
ITALY - GALLIPOLI 40.05N 17.97E 1225Z 24 NOV ADVISORY  
ITALY - POLICORO LIDO 40.19N 16.72E 1235Z 24 NOV ADVISORY  
ALGERIA - JIJEL 36.82N 5.79E 1022Z 24 NOV ADVISORY  
ALGERIA - ALGER 36.77N 3.08E 1030Z 24 NOV ADVISORY  
TUNISIA - TABARKA 36.96N 8.75E 1032Z 24 NOV ADVISORY  
TUNISIA - TUNIS 36.81N 10.31E 1145Z 24 NOV ADVISORY  
MOROCCO - MDIEQ 35.69N 3.31W 1125Z 24 NOV ADVISORY  
MOROCCO - NADOR 35.28N 2.90W 1139Z 24 NOV ADVISORY  
MOROCCO - AL-HOCEIMA 35.25N 3.91W 1143Z 24 NOV ADVISORY  
MOROCCO - TANGER-MED 35.89N 5.55W 1155Z 24 NOV ADVISORY  
UNITED KINGDOM - GIBRALTAR 36.13N 5.35W 1152Z 24 NOV ADVISORY

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY  
GAUGE LOCATION LAT LON TIME AMPL PER

-----  
MONC 43.73N 7.42E 0905Z 1.80M 6MIN (Monaco)  
NICE 43.70N 7.29E 0904Z 4.15M 5MIN (Nice)  
FIGU 43.48N 6.93E 0906Z 0.14M 1MIN (La Figueirette (Theoule Sur Mer))  
PTFE 43.36N 6.72E 0909Z 0.59M 18MIN (Port Ferreol)  
IM01 43.88N 8.02E 0912Z 0.48M 7MIN (Imperia, Italy)

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS.  
THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

**T(n8): The 4<sup>th</sup> message would be like:**

TSUNAMI EXERCISE MESSAGE NUMBER 002  
NEAM CENALT TSUNAMI SERVICE PROVIDER  
ISSUED AT 1458Z 24 NOV 2025

... TSUNAMI WATCH ONGOING ...  
THIS ALERT APPLIES TO FRANCE ... ITALY ... MONACO ... SPAIN

... TSUNAMI ADVISORY ONGOING ...  
THIS ALERT APPLIES TO ALGERIA ... MOROCCO ... TUNISIA ... UNITED KINGDOM

... TSUNAMI INFORMATION ONGOING ...  
THIS ALERT APPLIES TO ALBANIA ... BELGIUM ... BULGARIA ... CAPE VERDE ... CROATIA ... CYPRUS ... DENMARK ... EGYPT ... ESTONIA ... FINLAND ... GEORGIA ... GERMANY ... GREECE ... ICELAND ... IRELAND ... ISRAEL ... LEBANON ... LIBYA ... MALTA ... MAURITANIA ... MONTENEGRO ... NETHERLANDS ... NORWAY ... POLAND ... PORTUGAL ... ROMANIA ... RUSSIAN FEDERATION ... SLOVENIA ... SWEDEN ... SYRIA ... TURKEY ... UKRAINE

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0900Z 24 NOV 2025  
COORDINATES - 43.42 NORTH 7.50 EAST  
DEPTH - 8 KM  
LOCATION - NEAR SOUTH COAST OF FRANCE  
MAGNITUDE - 6.9

EVALUATION OF TSUNAMI WATCH  
SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M.  
THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED.  
AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY.  
A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

EVALUATION OF TSUNAMI ADVISORY  
SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT LESS THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP LESS THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED.  
AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY.  
A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

EVALUATION OF TSUNAMI INFORMATION  
BASED ON HISTORICAL EARTHQUAKE AND TSUNAMI MODELLING THERE IS NO THREAT THAT A TSUNAMI HAS BEEN GENERATED THAT CAN CAUSE DAMAGE OR MAJOR EFFECT IN THE REGION. THIS MESSAGE IS FOR INFORMATION ONLY.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.  
LOCATION FORECAST POINT COORDINATES ARRIVAL TIME LEVEL (ADVISORY, WATCH)

-----  
FRANCE - NICE 43.70N 7.27E 0906Z 24 NOV WATCH  
FRANCE - CANNES 43.55N 7.03E 0909Z 24 NOV WATCH  
FRANCE - LILEROUSSE 42.64N 8.93E 0921Z 24 NOV WATCH  
FRANCE - TOULON 43.11N 5.97E 0922Z 24 NOV WATCH  
FRANCE - AJACCIO 41.93N 8.78E 0928Z 24 NOV WATCH  
FRANCE - BASTIA 42.70N 9.45E 0943Z 24 NOV WATCH  
FRANCE - MARSEILLE 43.31N 5.38E 0947Z 24 NOV WATCH  
FRANCE - SOLENZARA 41.83N 9.40E 1006Z 24 NOV WATCH

FRANCE - PORTVENDRE 42.52N 3.11E 1006Z 24 NOV WATCH  
FRANCE - SETE 43.40N 3.69E 1030Z 24 NOV WATCH  
MONACO - MONACO 43.73N 7.42E 0906Z 24 NOV WATCH  
ITALY - IMPERIA 43.88N 8.02E 0912Z 24 NOV WATCH  
ITALY - MARINA DI ANDORA 43.95N 8.15E 0918Z 24 NOV WATCH  
ITALY - GENOVA 44.41N 8.93E 0923Z 24 NOV WATCH  
ITALY - GORGONA 43.57N 9.96E 0929Z 24 NOV WATCH  
ITALY - LA SPEZIA 44.10N 9.86E 0944Z 24 NOV WATCH  
ITALY - LERICI 44.06N 9.91E 0944Z 24 NOV WATCH  
ITALY - ALGHERO 40.54N 8.31E 0952Z 24 NOV WATCH  
ITALY - LIVORNO 43.55N 10.30E 0953Z 24 NOV WATCH  
ITALY - SANTA TERESA DI GALLURA 41.25N 9.19E 0953Z 24 NOV WATCH  
ITALY - MARINA DI CAMPO 42.74N 10.24E 0955Z 24 NOV WATCH  
ITALY - MARINA DI PISA 43.62N 10.28E 0956Z 24 NOV WATCH  
ITALY - PORTO TORRES 40.84N 8.40E 0959Z 24 NOV WATCH  
ITALY - PIOMBINO 42.92N 10.53E 1004Z 24 NOV WATCH  
ITALY - CASTIGLIONE DELLA PESCAIA 42.74N 10.89E 1021Z 24 NOV WATCH  
ITALY - MARINA DI GROSSETO 42.72N 10.98E 1027Z 24 NOV WATCH  
ITALY - CIVITAVECCHIA 42.06N 11.81E 1029Z 24 NOV WATCH  
ITALY - OROSEI 40.44N 9.78E 1038Z 24 NOV WATCH  
ITALY - CALA LIBEROTTO 40.44N 9.79E 1038Z 24 NOV WATCH

SPAIN - MAHON 39.89N 4.26E 0958Z 24 NOV ADVISORY  
SPAIN - BARCELONA 41.39N 2.17E 1007Z 24 NOV ADVISORY  
SPAIN - TARRAGONA 41.12N 1.24E 1023Z 24 NOV ADVISORY  
SPAIN - PALMADAMALLORCA 39.57N 2.65E 1047Z 24 NOV ADVISORY  
SPAIN - IBIZA 38.91N 1.43E 1048Z 24 NOV ADVISORY  
SPAIN - CARTAGENA 37.61N 0.94W 1101Z 24 NOV ADVISORY  
SPAIN - CASTELLONDELAPLANA 39.98N 0.03W 1105Z 24 NOV ADVISORY  
SPAIN - VALENCIA 39.47N 0.38W 1106Z 24 NOV ADVISORY  
SPAIN - ALICANTE 38.34N 0.48W 1114Z 24 NOV ADVISORY  
SPAIN - ALMERIA 36.84N 2.47W 1123Z 24 NOV ADVISORY  
SPAIN - MELILLA 35.29N 2.94W 1140Z 24 NOV ADVISORY  
SPAIN - MALAGA 36.72N 4.42W 1150Z 24 NOV ADVISORY  
SPAIN - CEUTA 35.89N 5.32W 1154Z 24 NOV ADVISORY  
SPAIN - ALGECIRAS 36.18N 5.40W 1156Z 24 NOV ADVISORY  
SPAIN - CADIZ 36.53N 6.29W 1256Z 24 NOV ADVISORY  
SPAIN - HUELVA 37.26N 6.95W 1323Z 24 NOV ADVISORY  
ITALY - ORISTANO 39.86N 8.44E 1015Z 24 NOV ADVISORY  
ITALY - CARLOFORTE 39.15N 8.31E 1023Z 24 NOV ADVISORY  
ITALY - QUARTO SANT ELENA 39.21N 9.27E 1031Z 24 NOV ADVISORY  
ITALY - PONZA 40.88N 12.95E 1038Z 24 NOV ADVISORY  
ITALY - FIUMICINO 41.77N 12.21E 1044Z 24 NOV ADVISORY  
ITALY - ANZIO 41.45N 12.63E 1047Z 24 NOV ADVISORY  
ITALY - CAGLIARI 39.21N 9.11E 1047Z 24 NOV ADVISORY  
ITALY - PALERMO 38.22N 13.34E 1059Z 24 NOV ADVISORY  
ITALY - GAETA 41.21N 13.59E 1059Z 24 NOV ADVISORY  
ITALY - GINOSTRA 38.78N 15.19E 1100Z 24 NOV ADVISORY  
ITALY - NAPOLI 40.84N 14.27E 1102Z 24 NOV ADVISORY  
ITALY - SALERNO 40.68N 14.75E 1105Z 24 NOV ADVISORY  
ITALY - PALINURO 40.03N 15.28E 1106Z 24 NOV ADVISORY  
ITALY - CETRARO 39.49N 15.94E 1110Z 24 NOV ADVISORY  
ITALY - MILAZZO 38.21N 15.27E 1111Z 24 NOV ADVISORY  
ITALY - VIBO MARINA 38.72N 16.13E 1115Z 24 NOV ADVISORY  
ITALY - MESSINA 38.20N 15.56E 1121Z 24 NOV ADVISORY  
ITALY - REGGIO CALABRIA 38.12N 15.65E 1122Z 24 NOV ADVISORY  
ITALY - MAZARA DEL VALLO 37.64N 12.58E 1125Z 24 NOV ADVISORY  
ITALY - CATANIA 37.44N 15.10E 1142Z 24 NOV ADVISORY  
ITALY - SIRACUSA 37.22N 15.23E 1142Z 24 NOV ADVISORY  
ITALY - SIDERNO 38.27N 16.30E 1144Z 24 NOV ADVISORY  
ITALY - SCIACCA 37.50N 13.08E 1150Z 24 NOV ADVISORY  
ITALY - CATANZARO 38.83N 16.63E 1156Z 24 NOV ADVISORY  
ITALY - LAMPEDUSA 35.50N 12.60E 1158Z 24 NOV ADVISORY  
ITALY - PORTO EMPEDOCLE 37.29N 13.53E 1159Z 24 NOV ADVISORY  
ITALY - CROTONE 39.08N 17.13E 1205Z 24 NOV ADVISORY  
ITALY - GELA 37.06N 14.23E 1209Z 24 NOV ADVISORY  
ITALY - LAGHI DI SIBARI 39.73N 16.52E 1225Z 24 NOV ADVISORY  
ITALY - GALLIPOLI 40.05N 17.97E 1225Z 24 NOV ADVISORY  
ITALY - POLICORO LIDO 40.19N 16.72E 1235Z 24 NOV ADVISORY  
ALGERIA - JIJEL 36.82N 5.79E 1022Z 24 NOV ADVISORY  
ALGERIA - ALGER 36.77N 3.08E 1030Z 24 NOV ADVISORY  
TUNISIA - TABARKA 36.96N 8.75E 1032Z 24 NOV ADVISORY  
TUNISIA - TUNIS 36.81N 10.31E 1145Z 24 NOV ADVISORY  
MOROCCO - MDIEQ 35.69N 3.31W 1125Z 24 NOV ADVISORY  
MOROCCO - NADOR 35.28N 2.90W 1139Z 24 NOV ADVISORY

MOROCCO - AL-HOCEIMA 35.25N 3.91W 1143Z 24 NOV ADVISORY  
MOROCCO - TANGER-MED 35.89N 5.55W 1155Z 24 NOV ADVISORY  
UNITED KINGDOM - GIBRALTAR 36.13N 5.35W 1152Z 24 NOV ADVISORY

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY  
GAUGE LOCATION LAT LON TIME AMPL PER

-----  
MONC 43.73N 7.42E 0905Z 1.80M 6MIN (Monaco)  
NICE 43.70N 7.29E 0904Z 4.15M 5MIN (Nice)  
FIGU 43.48N 6.93E 0906Z 0.14M 1MIN (La Figueirette (Theoule Sur Mer))  
PTFE 43.36N 6.72E 0909Z 0.59M 18MIN (Port Ferreol)  
IM01 43.88N 8.02E 0912Z 0.48M 7MIN (Imperia, Italy)  
TOUL 43.12N 5.91E 0926Z 0.12M 14MIN (Toulon)  
CENT 42.97N 9.35E 0919Z 0.50M 11MIN (Centuri)  
ROUS 42.64N 8.94E 0921Z 0.88M 6MIN (Ile Rousse)  
GE25 44.41N 8.93E 0924Z 0.13M 12MIN (Genova, Italy)

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS.  
THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

**T(n9): The 5<sup>th</sup> message would be like:**

TSUNAMI EXERCISE MESSAGE NUMBER 002  
NEAM CENALT TSUNAMI SERVICE PROVIDER  
ISSUED AT 1458Z 24 NOV 2025

... TSUNAMI WATCH ONGOING ...  
THIS ALERT APPLIES TO FRANCE ... ITALY ... MONACO ... SPAIN

... TSUNAMI ADVISORY ONGOING ...  
THIS ALERT APPLIES TO ALGERIA ... MOROCCO ... TUNISIA ... UNITED KINGDOM

... TSUNAMI INFORMATION ONGOING ...  
THIS ALERT APPLIES TO ALBANIA ... BELGIUM ... BULGARIA ... CAPE VERDE ... CROATIA ... CYPRUS ... DENMARK ... EGYPT  
... ESTONIA ... FINLAND ... GEORGIA ... GERMANY ... GREECE ... ICELAND ... IRELAND ... ISRAEL ... LEBANON ... LIBYA ...  
MALTA ... MAURITANIA ... MONTENEGRO ... NETHERLANDS ... NORWAY ... POLAND ... PORTUGAL ... ROMANIA ... RUSSIAN  
FEDERATION ... SLOVENIA ... SWEDEN ... SYRIA ... TURKEY ... UKRAINE

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT  
AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND  
ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0900Z 24 NOV 2025  
COORDINATES - 43.42 NORTH 7.50 EAST  
DEPTH - 8 KM  
LOCATION - NEAR SOUTH COAST OF FRANCE  
MAGNITUDE - 6.9

EVALUATION OF TSUNAMI WATCH  
SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN  
0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M.  
THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE  
REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED.  
AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY.  
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LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY  
SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE  
TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE  
THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

EVALUATION OF TSUNAMI ADVISORY  
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#### EVALUATION OF TSUNAMI INFORMATION

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ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR. LOCATION FORECAST POINT COORDINATES ARRIVAL TIME LEVEL (ADVISORY, WATCH)

-----  
FRANCE - NICE 43.70N 7.27E 0906Z 24 NOV WATCH  
FRANCE - CANNES 43.55N 7.03E 0909Z 24 NOV WATCH  
FRANCE - LILEROUSSE 42.64N 8.93E 0921Z 24 NOV WATCH  
FRANCE - TOULON 43.11N 5.97E 0922Z 24 NOV WATCH  
FRANCE - AJACCIO 41.93N 8.78E 0928Z 24 NOV WATCH  
FRANCE - BASTIA 42.70N 9.45E 0943Z 24 NOV WATCH  
FRANCE - MARSEILLE 43.31N 5.38E 0947Z 24 NOV WATCH  
FRANCE - SOLENZARA 41.83N 9.40E 1006Z 24 NOV WATCH  
FRANCE - PORTVENDRE 42.52N 3.11E 1006Z 24 NOV WATCH  
FRANCE - SETE 43.40N 3.69E 1030Z 24 NOV WATCH  
MONACO - MONACO 43.73N 7.42E 0906Z 24 NOV WATCH  
ITALY - IMPERIA 43.88N 8.02E 0912Z 24 NOV WATCH  
ITALY - MARINA DI ANDORA 43.95N 8.15E 0918Z 24 NOV WATCH  
ITALY - GENOVA 44.41N 8.93E 0923Z 24 NOV WATCH  
ITALY - GORGONA 43.57N 9.96E 0929Z 24 NOV WATCH  
ITALY - LA SPEZIA 44.10N 9.86E 0944Z 24 NOV WATCH  
ITALY - LERICI 44.06N 9.91E 0944Z 24 NOV WATCH  
ITALY - ALGHERO 40.54N 8.31E 0952Z 24 NOV WATCH  
ITALY - LIVORNO 43.55N 10.30E 0953Z 24 NOV WATCH  
ITALY - SANTA TERESA DI GALLURA 41.25N 9.19E 0953Z 24 NOV WATCH  
ITALY - MARINA DI CAMPO 42.74N 10.24E 0955Z 24 NOV WATCH  
ITALY - MARINA DI PISA 43.62N 10.28E 0956Z 24 NOV WATCH  
ITALY - PORTO TORRES 40.84N 8.40E 0959Z 24 NOV WATCH  
ITALY - PIOMBINO 42.92N 10.53E 1004Z 24 NOV WATCH  
ITALY - CASTIGLIONE DELLA PESCAIA 42.74N 10.89E 1021Z 24 NOV WATCH  
ITALY - MARINA DI GROSSETO 42.72N 10.98E 1027Z 24 NOV WATCH  
ITALY - CIVITAVECCHIA 42.06N 11.81E 1029Z 24 NOV WATCH  
ITALY - OROSEI 40.44N 9.78E 1038Z 24 NOV WATCH  
ITALY - CALA LIBEROTTO 40.44N 9.79E 1038Z 24 NOV WATCH

SPAIN - MAHON 39.89N 4.26E 0958Z 24 NOV ADVISORY  
SPAIN - BARCELONA 41.39N 2.17E 1007Z 24 NOV ADVISORY  
SPAIN - TARRAGONA 41.12N 1.24E 1023Z 24 NOV ADVISORY  
SPAIN - PALMADEMALLORCA 39.57N 2.65E 1047Z 24 NOV ADVISORY  
SPAIN - IBIZA 38.91N 1.43E 1048Z 24 NOV ADVISORY  
SPAIN - CARTAGENA 37.61N 0.94W 1101Z 24 NOV ADVISORY  
SPAIN - CASTELLONDELAPLANA 39.98N 0.03W 1105Z 24 NOV ADVISORY  
SPAIN - VALENCIA 39.47N 0.38W 1106Z 24 NOV ADVISORY  
SPAIN - ALICANTE 38.34N 0.48W 1114Z 24 NOV ADVISORY  
SPAIN - ALMERIA 36.84N 2.47W 1123Z 24 NOV ADVISORY  
SPAIN - MELILLA 35.29N 2.94W 1140Z 24 NOV ADVISORY  
SPAIN - MALAGA 36.72N 4.42W 1150Z 24 NOV ADVISORY  
SPAIN - CEUTA 35.89N 5.32W 1154Z 24 NOV ADVISORY  
SPAIN - ALGECIRAS 36.18N 5.40W 1156Z 24 NOV ADVISORY  
SPAIN - CADIZ 36.53N 6.29W 1256Z 24 NOV ADVISORY  
SPAIN - HUELVA 37.26N 6.95W 1323Z 24 NOV ADVISORY  
ITALY - ORISTANO 39.86N 8.44E 1015Z 24 NOV ADVISORY  
ITALY - CARLOFORTE 39.15N 8.31E 1023Z 24 NOV ADVISORY  
ITALY - QUARTO SANT ELENA 39.21N 9.27E 1031Z 24 NOV ADVISORY  
ITALY - PONZA 40.88N 12.95E 1038Z 24 NOV ADVISORY  
ITALY - FIUMICINO 41.77N 12.21E 1044Z 24 NOV ADVISORY  
ITALY - ANZIO 41.45N 12.63E 1047Z 24 NOV ADVISORY

ITALY - CAGLIARI 39.21N 9.11E 1047Z 24 NOV ADVISORY  
 ITALY - PALERMO 38.22N 13.34E 1059Z 24 NOV ADVISORY  
 ITALY - GAETA 41.21N 13.59E 1059Z 24 NOV ADVISORY  
 ITALY - GINOSTRA 38.78N 15.19E 1100Z 24 NOV ADVISORY  
 ITALY - NAPOLI 40.84N 14.27E 1102Z 24 NOV ADVISORY  
 ITALY - SALERNO 40.68N 14.75E 1105Z 24 NOV ADVISORY  
 ITALY - PALINURO 40.03N 15.28E 1106Z 24 NOV ADVISORY  
 ITALY - CETRARO 39.49N 15.94E 1110Z 24 NOV ADVISORY  
 ITALY - MILAZZO 38.21N 15.27E 1111Z 24 NOV ADVISORY  
 ITALY - VIBO MARINA 38.72N 16.13E 1115Z 24 NOV ADVISORY  
 ITALY - MESSINA 38.20N 15.56E 1121Z 24 NOV ADVISORY  
 ITALY - REGGIO CALABRIA 38.12N 15.65E 1122Z 24 NOV ADVISORY  
 ITALY - MAZARA DEL VALLO 37.64N 12.58E 1125Z 24 NOV ADVISORY  
 ITALY - CATANIA 37.44N 15.10E 1142Z 24 NOV ADVISORY  
 ITALY - SIRACUSA 37.22N 15.23E 1142Z 24 NOV ADVISORY  
 ITALY - SIDERNO 38.27N 16.30E 1144Z 24 NOV ADVISORY  
 ITALY - SCIACCA 37.50N 13.08E 1150Z 24 NOV ADVISORY  
 ITALY - CATANZARO 38.83N 16.63E 1156Z 24 NOV ADVISORY  
 ITALY - LAMPEDUSA 35.50N 12.60E 1158Z 24 NOV ADVISORY  
 ITALY - PORTO EMPEDOCLE 37.29N 13.53E 1159Z 24 NOV ADVISORY  
 ITALY - CROTONE 39.08N 17.13E 1205Z 24 NOV ADVISORY  
 ITALY - GELA 37.06N 14.23E 1209Z 24 NOV ADVISORY  
 ITALY - LAGHI DI SIBARI 39.73N 16.52E 1225Z 24 NOV ADVISORY  
 ITALY - GALLIPOLI 40.05N 17.97E 1225Z 24 NOV ADVISORY  
 ITALY - POLICORO LIDO 40.19N 16.72E 1235Z 24 NOV ADVISORY  
 ALGERIA - JIJEL 36.82N 5.79E 1022Z 24 NOV ADVISORY  
 ALGERIA - ALGER 36.77N 3.08E 1030Z 24 NOV ADVISORY  
 TUNISIA - TABARKA 36.96N 8.75E 1032Z 24 NOV ADVISORY  
 TUNISIA - TUNIS 36.81N 10.31E 1145Z 24 NOV ADVISORY  
 MOROCCO - MDIEQ 35.69N 3.31W 1125Z 24 NOV ADVISORY  
 MOROCCO - NADOR 35.28N 2.90W 1139Z 24 NOV ADVISORY  
 MOROCCO - AL-HOCEIMA 35.25N 3.91W 1143Z 24 NOV ADVISORY  
 MOROCCO - TANGER-MED 35.89N 5.55W 1155Z 24 NOV ADVISORY  
 UNITED KINGDOM - GIBRALTAR 36.13N 5.35W 1152Z 24 NOV ADVISORY

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY  
 GAUGE LOCATION LAT LON TIME AMPL PER

-----  
 MONC 43.73N 7.42E 0905Z 1.80M 6MIN (Monaco)  
 NICE 43.70N 7.29E 0904Z 4.15M 5MIN (Nice)  
 FIGU 43.48N 6.93E 0906Z 0.14M 1MIN (La Figueirette (Theoule Sur Mer))  
 PTFE 43.36N 6.72E 0909Z 0.59M 18MIN (Port Ferreol)  
 IM01 43.88N 8.02E 0912Z 0.48M 7MIN (Imperia, Italy)  
 TOUL 43.12N 5.91E 0926Z 0.12M 14MIN (Toulon)  
 LA38 44.10N 9.86E 0944Z 0.28M 7MIN (La Spezia, Italy)  
 PTVE 42.52N 3.11E 1005Z 0.05M 12MIN (Port Vendres)  
 SOLE 41.86N 9.40E 1007Z 0.01M 14MIN (Solenzara)  
 TBARN 41.34N 2.17E 1006Z 0.04M 7MIN (Barcelona, Spain)  
 CENT 42.97N 9.35E 0919Z 0.50M 11MIN (Centuri)  
 MARS 43.28N 5.35E 0947Z 0.08M 33MIN (Marseille)  
 ROUS 42.64N 8.94E 0921Z 0.88M 6MIN (Ile Rousse)  
 GE25 44.41N 8.93E 0924Z 0.13M 12MIN (Genova, Italy)  
 L111 43.55N 10.30E 0953Z 0.30M 8MIN (Livorno, Italy)  
 MC41 42.74N 10.24E 0954Z 0.05M 7MIN (Marina Di Campo, Italy)  
 PT17 40.84N 8.40E 1000Z 0.44M 6MIN (Porto Torres, Italy)

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS.  
 THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

**T(n11): The 6<sup>th</sup> message would be like:**

TSUNAMI EXERCISE MESSAGE NUMBER 002  
 NEAM CENALT TSUNAMI SERVICE PROVIDER  
 ISSUED AT 1458Z 24 NOV 2025

... TSUNAMI WATCH ONGOING ...  
 THIS ALERT APPLIES TO FRANCE ... ITALY ... MONACO ... SPAIN

... TSUNAMI ADVISORY ONGOING ...  
 THIS ALERT APPLIES TO ALGERIA ... MOROCCO ... TUNISIA ... UNITED KINGDOM

... TSUNAMI INFORMATION ONGOING ...

THIS ALERT APPLIES TO ALBANIA ... BELGIUM ... BULGARIA ... CAPE VERDE ... CROATIA ... CYPRUS ... DENMARK ... EGYPT ... ESTONIA ... FINLAND ... GEORGIA ... GERMANY ... GREECE ... ICELAND ... IRELAND ... ISRAEL ... LEBANON ... LIBYA ... MALTA ... MAURITANIA ... MONTENEGRO ... NETHERLANDS ... NORWAY ... POLAND ... PORTUGAL ... ROMANIA ... RUSSIAN FEDERATION ... SLOVENIA ... SWEDEN ... SYRIA ... TURKEY ... UKRAINE

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0900Z 24 NOV 2025  
COORDINATES - 43.42 NORTH 7.50 EAST  
DEPTH - 8 KM  
LOCATION - NEAR SOUTH COAST OF FRANCE  
MAGNITUDE - 6.9

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M.  
THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED.  
AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY.  
A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

EVALUATION OF TSUNAMI ADVISORY

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT LESS THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP LESS THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED.  
AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY.  
A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

EVALUATION OF TSUNAMI INFORMATION

BASED ON HISTORICAL EARTHQUAKE AND TSUNAMI MODELLING THERE IS NO THREAT THAT A TSUNAMI HAS BEEN GENERATED THAT CAN CAUSE DAMAGE OR MAJOR EFFECT IN THE REGION. THIS MESSAGE IS FOR INFORMATION ONLY.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.  
LOCATION FORECAST POINT COORDINATES ARRIVAL TIME LEVEL (ADVISORY, WATCH)

-----  
FRANCE - NICE 43.70N 7.27E 0906Z 24 NOV WATCH  
FRANCE - CANNES 43.55N 7.03E 0909Z 24 NOV WATCH  
FRANCE - LILEROUSSE 42.64N 8.93E 0921Z 24 NOV WATCH  
FRANCE - TOULON 43.11N 5.97E 0922Z 24 NOV WATCH  
FRANCE - AJACCIO 41.93N 8.78E 0928Z 24 NOV WATCH  
FRANCE - BASTIA 42.70N 9.45E 0943Z 24 NOV WATCH  
FRANCE - MARSEILLE 43.31N 5.38E 0947Z 24 NOV WATCH  
FRANCE - SOLENZARA 41.83N 9.40E 1006Z 24 NOV WATCH  
FRANCE - PORTVENDRE 42.52N 3.11E 1006Z 24 NOV WATCH  
FRANCE - SETE 43.40N 3.69E 1030Z 24 NOV WATCH  
MONACO - MONACO 43.73N 7.42E 0906Z 24 NOV WATCH  
ITALY - IMPERIA 43.88N 8.02E 0912Z 24 NOV WATCH  
ITALY - MARINA DI ANDORA 43.95N 8.15E 0918Z 24 NOV WATCH  
ITALY - GENOVA 44.41N 8.93E 0923Z 24 NOV WATCH

ITALY - GORGONA 43.57N 9.96E 0929Z 24 NOV WATCH  
ITALY - LA SPEZIA 44.10N 9.86E 0944Z 24 NOV WATCH  
ITALY - LERICI 44.06N 9.91E 0944Z 24 NOV WATCH  
ITALY - ALGHERO 40.54N 8.31E 0952Z 24 NOV WATCH  
ITALY - LIVORNO 43.55N 10.30E 0953Z 24 NOV WATCH  
ITALY - SANTA TERESA DI GALLURA 41.25N 9.19E 0953Z 24 NOV WATCH  
ITALY - MARINA DI CAMPO 42.74N 10.24E 0955Z 24 NOV WATCH  
ITALY - MARINA DI PISA 43.62N 10.28E 0956Z 24 NOV WATCH  
ITALY - PORTO TORRES 40.84N 8.40E 0959Z 24 NOV WATCH  
ITALY - PIOMBINO 42.92N 10.53E 1004Z 24 NOV WATCH  
ITALY - CASTIGLIONE DELLA PESCAIA 42.74N 10.89E 1021Z 24 NOV WATCH  
ITALY - MARINA DI GROSSETO 42.72N 10.98E 1027Z 24 NOV WATCH  
ITALY - CIVITAVECCHIA 42.06N 11.81E 1029Z 24 NOV WATCH  
ITALY - OROSEI 40.44N 9.78E 1038Z 24 NOV WATCH  
ITALY - CALA LIBEROTTO 40.44N 9.79E 1038Z 24 NOV WATCH

SPAIN - MAHON 39.89N 4.26E 0958Z 24 NOV ADVISORY  
SPAIN - BARCELONA 41.39N 2.17E 1007Z 24 NOV ADVISORY  
SPAIN - TARRAGONA 41.12N 1.24E 1023Z 24 NOV ADVISORY  
SPAIN - PALMADÉMALLORCA 39.57N 2.65E 1047Z 24 NOV ADVISORY  
SPAIN - IBIZA 38.91N 1.43E 1048Z 24 NOV ADVISORY  
SPAIN - CARTAGENA 37.61N 0.94W 1101Z 24 NOV ADVISORY  
SPAIN - CASTELLONDELAPLANA 39.98N 0.03W 1105Z 24 NOV ADVISORY  
SPAIN - VALENCIA 39.47N 0.38W 1106Z 24 NOV ADVISORY  
SPAIN - ALICANTE 38.34N 0.48W 1114Z 24 NOV ADVISORY  
SPAIN - ALMERIA 36.84N 2.47W 1123Z 24 NOV ADVISORY  
SPAIN - MELILLA 35.29N 2.94W 1140Z 24 NOV ADVISORY  
SPAIN - MALAGA 36.72N 4.42W 1150Z 24 NOV ADVISORY  
SPAIN - CEUTA 35.89N 5.32W 1154Z 24 NOV ADVISORY  
SPAIN - ALGECIRAS 36.18N 5.40W 1156Z 24 NOV ADVISORY  
SPAIN - CADIZ 36.53N 6.29W 1256Z 24 NOV ADVISORY  
SPAIN - HUELVA 37.26N 6.95W 1323Z 24 NOV ADVISORY  
ITALY - ORISTANO 39.86N 8.44E 1015Z 24 NOV ADVISORY  
ITALY - CARLOFORTE 39.15N 8.31E 1023Z 24 NOV ADVISORY  
ITALY - QUARTO SANT ELENA 39.21N 9.27E 1031Z 24 NOV ADVISORY  
ITALY - PONZA 40.88N 12.95E 1038Z 24 NOV ADVISORY  
ITALY - FIUMICINO 41.77N 12.21E 1044Z 24 NOV ADVISORY  
ITALY - ANZIO 41.45N 12.63E 1047Z 24 NOV ADVISORY  
ITALY - CAGLIARI 39.21N 9.11E 1047Z 24 NOV ADVISORY  
ITALY - PALERMO 38.22N 13.34E 1059Z 24 NOV ADVISORY  
ITALY - GAETA 41.21N 13.59E 1059Z 24 NOV ADVISORY  
ITALY - GINOSTRA 38.78N 15.19E 1100Z 24 NOV ADVISORY  
ITALY - NAPOLI 40.84N 14.27E 1102Z 24 NOV ADVISORY  
ITALY - SALERNO 40.68N 14.75E 1105Z 24 NOV ADVISORY  
ITALY - PALINURO 40.03N 15.28E 1106Z 24 NOV ADVISORY  
ITALY - CETRARO 39.49N 15.94E 1110Z 24 NOV ADVISORY  
ITALY - MILAZZO 38.21N 15.27E 1111Z 24 NOV ADVISORY  
ITALY - VIBO MARINA 38.72N 16.13E 1115Z 24 NOV ADVISORY  
ITALY - MESSINA 38.20N 15.56E 1121Z 24 NOV ADVISORY  
ITALY - REGGIO CALABRIA 38.12N 15.65E 1122Z 24 NOV ADVISORY  
ITALY - MAZARA DEL VALLO 37.64N 12.58E 1125Z 24 NOV ADVISORY  
ITALY - CATANIA 37.44N 15.10E 1142Z 24 NOV ADVISORY  
ITALY - SIRACUSA 37.22N 15.23E 1142Z 24 NOV ADVISORY  
ITALY - SIDERNO 38.27N 16.30E 1144Z 24 NOV ADVISORY  
ITALY - SCIACCA 37.50N 13.08E 1150Z 24 NOV ADVISORY  
ITALY - CATANZARO 38.83N 16.63E 1156Z 24 NOV ADVISORY  
ITALY - LAMPEDUSA 35.50N 12.60E 1158Z 24 NOV ADVISORY  
ITALY - PORTO EMPEDOCLE 37.29N 13.53E 1159Z 24 NOV ADVISORY  
ITALY - CROTONE 39.08N 17.13E 1205Z 24 NOV ADVISORY  
ITALY - GELA 37.06N 14.23E 1209Z 24 NOV ADVISORY  
ITALY - LAGHI DI SIBARI 39.73N 16.52E 1225Z 24 NOV ADVISORY  
ITALY - GALLIPOLI 40.05N 17.97E 1225Z 24 NOV ADVISORY  
ITALY - POLICORO LIDO 40.19N 16.72E 1235Z 24 NOV ADVISORY  
ALGERIA - JIJEL 36.82N 5.79E 1022Z 24 NOV ADVISORY  
ALGERIA - ALGER 36.77N 3.08E 1030Z 24 NOV ADVISORY  
TUNISIA - TABARKA 36.96N 8.75E 1032Z 24 NOV ADVISORY  
TUNISIA - TUNIS 36.81N 10.31E 1145Z 24 NOV ADVISORY  
MOROCCO - MDIEQ 35.69N 3.31W 1125Z 24 NOV ADVISORY  
MOROCCO - NADOR 35.28N 2.90W 1139Z 24 NOV ADVISORY  
MOROCCO - AL-HOCEIMA 35.25N 3.91W 1143Z 24 NOV ADVISORY  
MOROCCO - TANGER-MED 35.89N 5.55W 1155Z 24 NOV ADVISORY  
UNITED KINGDOM - GIBRALTAR 36.13N 5.35W 1152Z 24 NOV ADVISORY

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY  
GAUGE LOCATION LAT LON TIME AMPL PER

-----  
MONC 43.73N 7.42E 0905Z 1.80M 6MIN (Monaco)  
NICE 43.70N 7.29E 0904Z 4.15M 5MIN (Nice)  
FIGU 43.48N 6.93E 0906Z 0.14M 1MIN (La Figueirette (Theoule Sur Mer))  
PTFE 43.36N 6.72E 0909Z 0.59M 18MIN (Port Ferreol)  
IM01 43.88N 8.02E 0912Z 0.48M 7MIN (Imperia, Italy)  
TOUL 43.12N 5.91E 0926Z 0.12M 14MIN (Toulon)  
LA38 44.10N 9.86E 0944Z 0.28M 7MIN (La Spezia, Italy)  
PTVE 42.52N 3.11E 1005Z 0.05M 12MIN (Port Vendres)  
SOLE 41.86N 9.40E 1007Z 0.01M 14MIN (Solenzara)  
TBARN 41.34N 2.17E 1006Z 0.04M 7MIN (Barcelona, Spain)  
PTLN 43.01N 3.06E 1023Z 0.03M 114MIN (Port La nouvelle) ???  
TTARR 41.08N 1.21E 1022Z 0.03M 6MIN (Tarragona, Spain)  
TALCD 39.83N 3.14E 1024Z 0.07M 10MIN (Alcudia, Spain)  
SETE 43.40N 3.70E 1025Z 0.08M 8MIN (Sete)  
TPMAL 39.56N 2.64E 1048Z 0.05M 12MIN (PalmadeMallorca, Spain)  
TSAGN 39.63N 0.21W 1053Z 0.01M 7MIN (Sagunto, Spain)  
TCARB 36.97N 1.90W 1105Z 0.03M 11MIN (Carboneras, Spain)  
CENT 42.97N 9.35E 0919Z 0.50M 11MIN (Centuri)  
MARS 43.28N 5.35E 0947Z 0.08M 33MIN (Marseille)  
ROUS 42.64N 8.94E 0921Z 0.88M 6MIN (Ile Rousse)  
GE25 44.41N 8.93E 0924Z 0.13M 12MIN (Genova, Italy)  
LI11 43.55N 10.30E 0953Z 0.30M 8MIN (Livorno, Italy)  
MC41 42.74N 10.24E 0954Z 0.05M 7MIN (Marina Di Campo, Italy)  
PT17 40.84N 8.40E 1000Z 0.44M 6MIN (Porto Torres, Italy)

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS.  
THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

**T(n12): The 7<sup>th</sup> and end of message would be like:**

TSUNAMI EXERCISE MESSAGE NUMBER 003  
NEAM CENALT TSUNAMI SERVICE PROVIDER  
ISSUED AT 1459Z 24 NOV 2025

... END OF TSUNAMI WATCH ...  
THIS ALERT APPLIES TO FRANCE ... ITALY ... MONACO ... SPAIN

... END OF TSUNAMI ADVISORY ...  
THIS ALERT APPLIES TO ALGERIA ... MOROCCO ... TUNISIA ... UNITED KINGDOM

... END OF TSUNAMI INFORMATION ...  
THIS ALERT APPLIES TO ALBANIA ... BELGIUM ... BULGARIA ... CAPE VERDE ... CROATIA ... CYPRUS ... DENMARK ... EGYPT  
... ESTONIA ... FINLAND ... GEORGIA ... GERMANY ... GREECE ... ICELAND ... IRELAND ... ISRAEL ... LEBANON ... LIBYA ...  
MALTA ... MAURITANIA ... MONTENEGRO ... NETHERLANDS ... NORWAY ... POLAND ... PORTUGAL ... ROMANIA ... RUSSIAN  
FEDERATION ... SLOVENIA ... SWEDEN ... SYRIA ... TURKEY ... UKRAINE

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT  
AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND  
ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0900Z 24 NOV 2025  
COORDINATES - 43.42 NORTH 7.50 EAST  
DEPTH - 8 KM  
LOCATION - NEAR SOUTH COAST OF FRANCE  
MAGNITUDE - 6.9

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
OBSERVATIONS AND MODELS INDICATE THAT NO MORE TSUNAMI WAVES ARE  
EXPECTED.  
WHEN NO MAJOR WAVES ARE OBSERVED FOR TWO HOURS AFTER THE  
ESTIMATED TIME OF ARRIVAL OR DAMAGING WAVES HAVE NOT OCCURRED FOR  
AT LEAST TWO HOURS THEN LOCAL AUTHORITIES CAN ASSUME THE THREAT IS

PASSED. DANGER TO BOATS AND COASTAL STRUCTURES CAN CONTINUE FOR SEVERAL HOURS DUE TO THE CONTINUING SEA LEVEL CHANGES AND RAPID CURRENTS. AS LOCAL CONDITIONS CAN CAUSE A WIDE VARIATION IN TSUNAMI WAVE ACTION THE ALL CLEAR DETERMINATION MUST BE MADE BY LOCAL AUTHORITIES.

#### EVALUATION OF TSUNAMI ADVISORY

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED. OBSERVATIONS AND MODELS INDICATE THAT NO MORE TSUNAMI WAVES ARE EXPECTED.

WHEN NO MAJOR WAVES ARE OBSERVED FOR TWO HOURS AFTER THE ESTIMATED TIME OF ARRIVAL OR DAMAGING WAVES HAVE NOT OCCURRED FOR AT LEAST TWO HOURS THEN LOCAL AUTHORITIES CAN ASSUME THE THREAT IS PASSED. DANGER TO BOATS AND COASTAL STRUCTURES CAN CONTINUE FOR SEVERAL HOURS DUE TO THE CONTINUING SEA LEVEL CHANGES AND RAPID CURRENTS. AS LOCAL CONDITIONS CAN CAUSE A WIDE VARIATION IN TSUNAMI WAVE ACTION THE ALL CLEAR DETERMINATION MUST BE MADE BY LOCAL AUTHORITIES.

#### EVALUATION OF TSUNAMI INFORMATION

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED. OBSERVATIONS AND MODELS INDICATE THAT NO MORE TSUNAMI WAVES ARE EXPECTED.

WHEN NO MAJOR WAVES ARE OBSERVED FOR TWO HOURS AFTER THE ESTIMATED TIME OF ARRIVAL OR DAMAGING WAVES HAVE NOT OCCURRED FOR AT LEAST TWO HOURS THEN LOCAL AUTHORITIES CAN ASSUME THE THREAT IS PASSED. DANGER TO BOATS AND COASTAL STRUCTURES CAN CONTINUE FOR SEVERAL HOURS DUE TO THE CONTINUING SEA LEVEL CHANGES AND RAPID CURRENTS. AS LOCAL CONDITIONS CAN CAUSE A WIDE VARIATION IN TSUNAMI WAVE ACTION THE ALL CLEAR DETERMINATION MUST BE MADE BY LOCAL AUTHORITIES.

#### MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY

GAUGE LOCATION LAT LON TIME AMPL PER

-----

MONC	43.73N	7.42E	0905Z	1.80M	6MIN	(Monaco)
NICE	43.70N	7.29E	0904Z	4.15M	5MIN	(Nice)
FIGU	43.48N	6.93E	0906Z	0.14M	1MIN	(La Figueirette (Theoule Sur Mer))
PTFE	43.36N	6.72E	0909Z	0.59M	18MIN	(Port Ferreol)
IM01	43.88N	8.02E	0912Z	0.48M	7MIN	(Imperia, Italy)
TOUL	43.12N	5.91E	0926Z	0.12M	14MIN	(Toulon)
LA38	44.10N	9.86E	0944Z	0.28M	7MIN	(La Spezia, Italy)
PTVE	42.52N	3.11E	1005Z	0.05M	12MIN	(Port Vendres)
SOLE	41.86N	9.40E	1007Z	0.01M	14MIN	(Solenzara)
TBARN	41.34N	2.17E	1006Z	0.04M	7MIN	(Barcelona, Spain)
PTLN	43.01N	3.06E	1023Z	0.03M	114MIN	(Port La nouvelle) ???
TTARR	41.08N	1.21E	1022Z	0.03M	6MIN	(Tarragona, Spain)
TALCD	39.83N	3.14E	1024Z	0.07M	10MIN	(Alcudia, Spain)
SETE	43.40N	3.70E	1025Z	0.08M	8MIN	(Sete)
TPMAL	39.56N	2.64E	1048Z	0.05M	12MIN	(PalmadeMallorca, Spain)
TSAGN	39.63N	0.21W	1053Z	0.01M	7MIN	(Sagunto, Spain)
TCARB	36.97N	1.90W	1105Z	0.03M	11MIN	(Carboneras, Spain)
CENT	42.97N	9.35E	0919Z	0.50M	11MIN	(Centuri)
MARS	43.28N	5.35E	0947Z	0.08M	33MIN	(Marseille)
ROUS	42.64N	8.94E	0921Z	0.88M	6MIN	(Ile Rousse)
GE25	44.41N	8.93E	0924Z	0.13M	12MIN	(Genova, Italy)
L111	43.55N	10.30E	0953Z	0.30M	8MIN	(Livorno, Italy)
MC41	42.74N	10.24E	0954Z	0.05M	7MIN	(Marina Di Campo, Italy)
PT17	40.84N	8.40E	1000Z	0.44M	6MIN	(Porto Torres, Italy)

THIS WILL BE THE FINAL MESSAGE ISSUED FOR THIS EVENT UNLESS ADDITIONAL INFORMATION BECOMES AVAILABLE.

## References

- Larroque Christophe, Oona Scotti, Mansour Ioualalen, *Reappraisal of the 1887 Ligurian earthquake (western Mediterranean) from macroseismicity, active tectonics and tsunami modelling*, *Geophysical Journal International*, Volume 190, Issue 1, August 2012, Pages 87–104, <https://doi.org/10.1111/j.1365-246X.2012.05498.x>
- de la Asunción, M., Castro, M. J., Fernández-Nieto, E. D., Mantas, J. M., Ortega Acosta, S., González Vida, J. M. (2013), *Efficient GPU implementation of a two waves TVD-WAF method for the two-dimensional one layer shallow water system on structured meshes*, *Comput. Fluids*, 80, 441–452.
- Macías, J., Castro, M. J., Ortega, S., Escalante, C., & González-Vida, J. M. (2017). *Performance benchmarking of tsunami-HySEA model for NTHMP's inundation mapping activities*. *Pure and Applied Geophysics*. doi: 10.1007/s00024-017-1583-1.

### 7.4 BLACK SEA (BS) TSUNAMI SCENARIO:AD 544/545 OFFSHORE VERNA EARTHQUAKE<sup>4</sup>

#### **KOERI (NEAMTWS/TSP Türkiye) NIEP (NEAMTWS/NTWC Romania)**

*Prepared by*

*Musavver Didem Cambaz (KOERI), Raluca Partheniu (NIEP), Fatih Turhan (KOERI), Alexandru Marmureanu (NIEP), Mehmet Yilmazer (KOERI), Tuğçe Ergün (KOERI), Constantin Ionescu (NIEP), Nurcan Meral Özel (KOERI)*

**1. Introduction** –*Message Provider involved briefly describes the scenario proposed (e.g., if based on an historical, recent or hypothetical event; the tectonic framework of the epicentral area; the reference competence area; historical tsunami events)*

*(Max: 400 words (except caption of figures and table))*

This scenario was prepared jointly under the collaboration of TSP-KOERI which acts as the Message Provider and NTWC-NIEP, as the Message Recipient of the of NEAMWave26 for Black Sea Tsunami Scenario. The scenario is based on an earthquake of magnitude  $M_w$  7.5 occurring at the Crimea Region of the Black Sea. As illustrated later on, an earthquake like this would trigger basing on the decision matrix currently in use at KOERI a Tsunami Watch for the entire Black Sea, which is inside the monitoring area of the ICG/NEAMTWS KOERI Tsunami Service Provider. It refers to an hypothetical tsunami event affecting the Black Sea.

Historically, several tsunamigenic earthquakes and earthquake-triggered landslides have been documented in the Black Sea. A key early event is the AD 544/545 offshore Varna earthquake ( $M \sim 7.5$ ), which produced a destructive tsunami that inundated the Bulgarian–Thracian coast (e.g., Papadopoulos et al., 2011; Ranguelov, 2016). More recent instrumental events include the 1927 Crimean earthquake sequence in the southern Black Sea ( $M$  6.8–7.0), which generated tsunamis recorded on tide gauges and reported along the Crimean and neighbouring coasts, as well as smaller tsunamis associated with the 1939 and 1966 earthquakes (e.g., Dotsenko, 1996; Yalciner et al., 2004; Papadopoulos et

<sup>4</sup> The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariats of UNESCO and IOC concerning the legal status of any country or territory, or its authorities, or concerning the delimitation of the frontiers of any country or territory. The information and maps presented here do not necessarily reflect the views and position of the United Nations, UNESCO, IOC or any affiliated Member State.

al., 2011). Overall, historical catalogues indicate on the order of 20–30 tsunami events in the basin, most of them linked to offshore earthquakes but with some attributed to submarine landslides (Yalciner et al., 2004; Papadopoulos et al., 2011; Zaytsev, 2015). Although the Black Sea is generally considered a low-to-moderate tsunami-hazard basin, earthquakes of magnitudes comparable to these historical scenarios are included in the seismic source model underlying the NEAMTHM18 S-PTHA, which explicitly treats the Black Sea coasts (Basili et al., 2018, 2019).

**2. Event Information** - *Message Provider involved briefly supplies the earthquake parameters (lon, lat, depth, magnitude, strike, dip, rake, slip, fault's size, scaling laws, etc.)*

*Max: 300 words (except caption of tables), 1 table*

TSP KOERI & NTWC NIEP briefly supplied the earthquake parameters (lon, lat, depth, magnitude, strike, dip, rake, slip, fault's length and width, etc). These parameters were used for the KOERI scenario presented below are partially based on the scenario proposed by Partheniu R. & Ioane D. (2015) for the earthquake with magnitude Mw 7.5 and the fault rupture area was scaled down accordingly; the coordinates (corresponding to the centre of the fault rupture area) approximately as stated in the Table1.

Earthquake parameters	
<b>M<sub>w</sub></b>	7.5
<b>Longitude</b>	33.60 °E
<b>Latitude</b>	44.04 °N
<b>Depth (km)</b>	20.0
<b>Fault Length (Km)</b>	85
<b>Fault Width (Km)</b>	29
<b>Slip (m)</b>	2.16
<b>Strike</b>	132
<b>Dip</b>	63
<b>Rake</b>	107

**Table 1 – NEAMWave26 Black Sea Tsunami Exercise - Earthquake parameters**

**3. Numerical modelling** - *Message Provider involved briefly specifies the tsunami propagation modelling adopted (e.g., initial condition, propagation code, etc.); tsunami simulation output provided (e.g., some selected tsunami waveforms, maximum wave height offshore or close to the coast, travel times, etc.).*

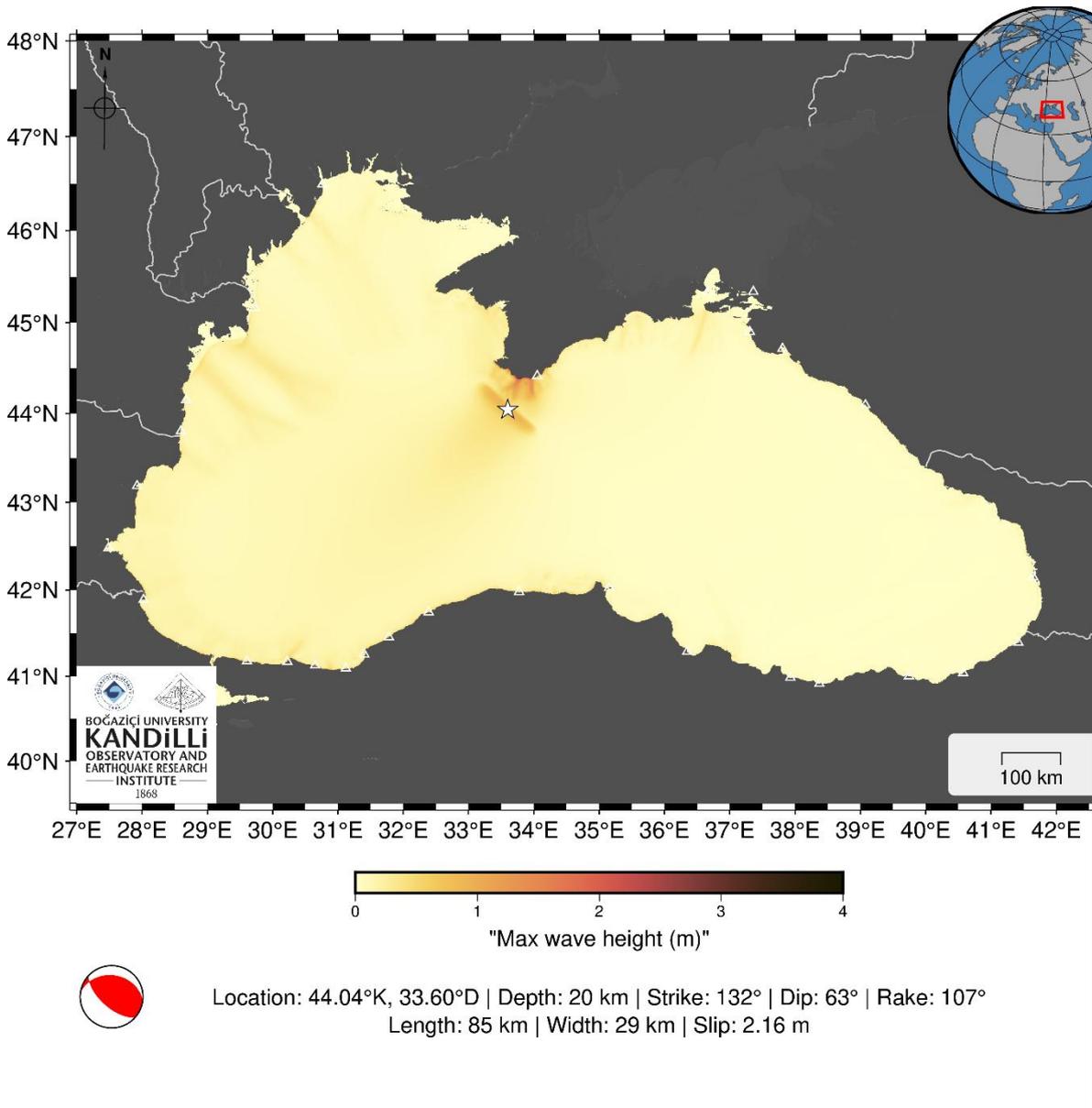
*Please provide figures for a) Tsunami initial condition, b) distribution of maximum wave height, c) distribution of wave travel times, d) selected tsunami waveforms, and e) map showing the alert level at forecast points*

Max: 300 words (except caption of figures and table), 6 Figures, 1 table

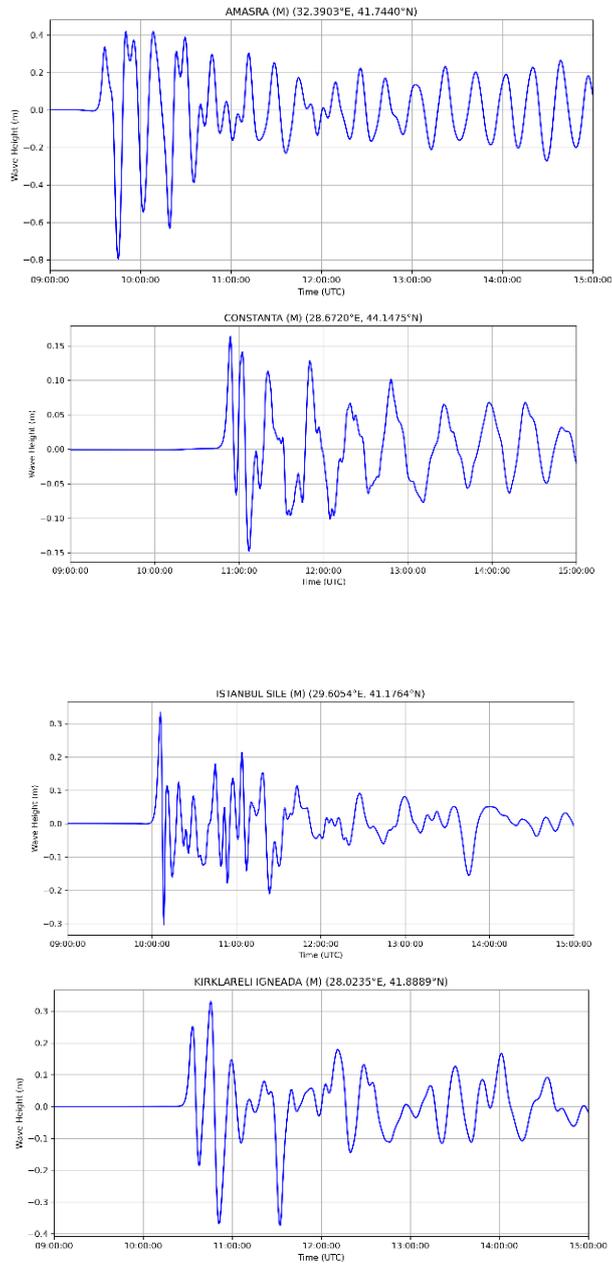
The numerical tsunami modeling for the NEAMWave exercise was performed using the HySEA software (Castro M.J. et al., 2014; Macias J. et al., 2014; Macias J. et al., 2017), according to the fault parameters given in Table 1. The study area was prepared by selecting a 450 m resolution grid interval and a 6-hour simulation time. The tsunami wave generated by the earthquake scenario shown in Table 1 is shown in Figure 1(a). The maximum wave heights calculated during the 6-hour simulation period, as well as the wave energy dissipation during the tsunami propagation, are presented in Figure 1(a). Tsunami arrival times for predetermined water level control points are also shown in Figure 1(b).

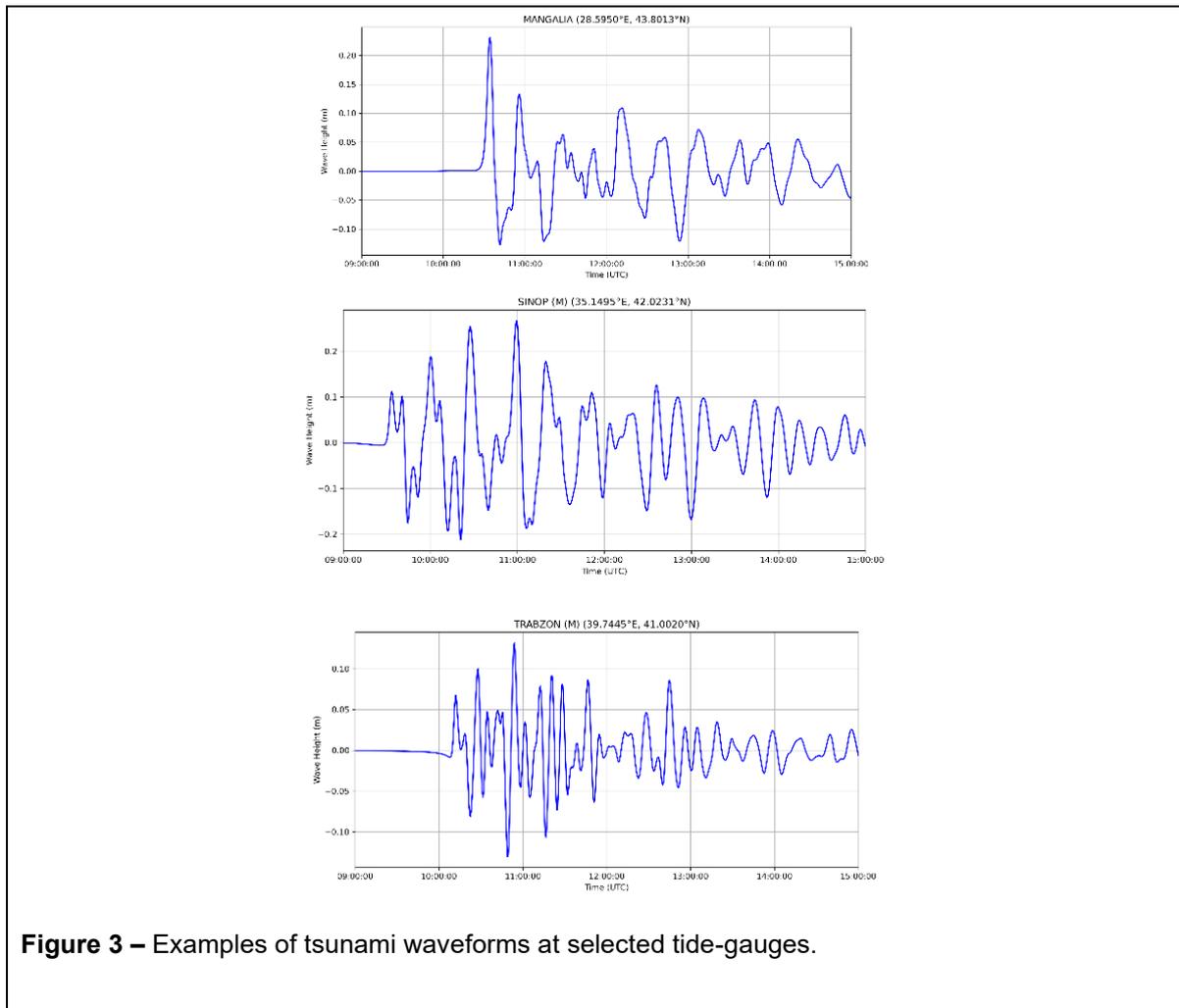
In the following figures some outputs are shown:

- 5) Distribution of wave amplitude (Figure 1a)
- 6) Tsunami waveforms (examples, Figure 2);



**Figure 1.** The distribution of the maximum positive wave amplitude (tsunami energy dissipation) calculated during the 6-hour post-earthquake simulation in the earthquake scenario.





**Figure 3** – Examples of tsunami waveforms at selected tide-gauges.

**4. Alert Messages** - *Message Provider involved briefly specifies the method adopted to assess the alert level, preferably based on common/daily practice (e.g., decision matrix, scenario based, etc.); how many alert messages will be issued and the related timetable (MSEL) specifying also the tsunami evolution (e.g., sea level readings, eyewitness observations, etc.);*

*Max: 300 words (except caption of figures and table), 2 Figures, 1 table*

*(Master Schedule of Events List should be given here as follows or similar):*

- T0: 09:00 UTC (EQ Origin Time)**
- T(n1): 09:07 UTC (Initial EQ Parameters)**
- T(n2): 09:50 UTC (Dissemination of the 1st message)**
- T(n3): 10:11 UTC (Dissemination of the 2nd message)**
- T(n4): 10:31 UTC (Dissemination of the 3rd message)**
- T(n5): 10:45 UTC (Dissemination of the 4th message)**
- T(n6): 11:02 UTC (Dissemination of the 5th message)**
- T(n7): 12:25 UTC (Dissemination of the 6th message)**

*(The flow chart of message dissemination during NEAMWave26 should be given here):*

TITLE	CONTENT	TIME
<b>KOERI</b> TSUNAMI EXERCISE MESSAGE NUMBER 001	1. Earthquake Parameters (M7.5) 2. Wave Arrival Times at FP 3. Level of Alert at FP	T0 + 07'
<b>KOERI</b> TSUNAMI EXERCISE MESSAGE NUMBER 002	1. Earthquake Parameters 2. First validated Wave Arrival (TG verification) SL readings at Sinop-TR, Amasra-TR	T0 + 50'
<b>KOERI</b> TSUNAMI EXERCISE MESSAGE NUMBER 003	1. Earthquake Parameters 2. Second validated Wave Arrival (TG verification) SL readings at İstanbul Sile-TR	T0 + 71'
<b>KOERI</b> TSUNAMI EXERCISE MESSAGE NUMBER 004	1. Earthquake Parameters 2. Third validated Wave Arrival (TG verification) SL readings at Trabzon-TR Updated SL readings at Sinop-TR	T0 + 91'
<b>KOERI</b> TSUNAMI EXERCISE MESSAGE NUMBER 005	1. Earthquake Parameters 2. Fourth validated Wave Arrival (TG verification) SL readings at Kırklareli İğneada -TR, Mangalia-RO	T0 + 105'
<b>KOERI</b> TSUNAMI EXERCISE MESSAGE NUMBER 006	1. Earthquake Parameters 2. Fifth validated Wave Arrival (TG verification) SL readings at Constanta-RO Updated SL readings at Trabzon-TR	T0 + 122'
<b>KOERI</b> TSUNAMI EXERCISE MESSAGE NUMBER 007	1. Earthquake Parameters 2. End of Tsunami Alert Message	T0 + 205'

*(Please insert exercise alert messages here):*

### **NEAMWave26 – TSP KOERI Exercise messages**

Below are reported the alert messages to be issued by KOERI during the exercise; while the text of these messages is the same when transmitted by email, an additional line at the beginning of the message is inserted for the GTS transmission. This line is **WEME40 LTAA ddHHmm** for KOERI, where **dd**, **HH**, and **mm** indicate day, hour, and minutes respectively, associate to message's issue time. Enhanced products (Service Area Alert Level Map, TFP Alert Level Map and Tsunami Travel Time Map) will be disseminated as e-mail attachments of KOERI message 001.

#### **KOERI MESSAGE #001**

TSUNAMI EXERCISE MESSAGE NUMBER 001  
NEAM TSUNAMI SERVICE PROVIDER KOERI (TURKIYE)  
ISSUED AT 0907Z 13 MAR 2026

THIS ALERT IS ADDRESSED TO ALL COUNTRIES AND INSTITUTIONS SUBSCRIBED TO THE SERVICES OF KOERI NEAM TSP IN ITS MONITORING AREA.

... TSUNAMI WATCH ...

THIS ALERT APPLIES TO BULGARIA ... GEORGIA ... ROMANIA ... RUSSIAN FEDERATION ... TURKIYE ... UKRAINE

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0900Z 13 MAR 2026

COORDINATES - 44.04 NORTH 33.60 EAST

DEPTH - 20.00 KM

LOCATION - BLACK SEA

MAGNITUDE - 7.5

VALUE IS SUBJECT TO FURTHER REVISION UPON AVAILABILITY OF ADDITIONAL SEISMIC DATA - MAY DIFFER FROM FINAL MAGNITUDE ESTIMATION.

EVALUATION OF TSUNAMI WATCH

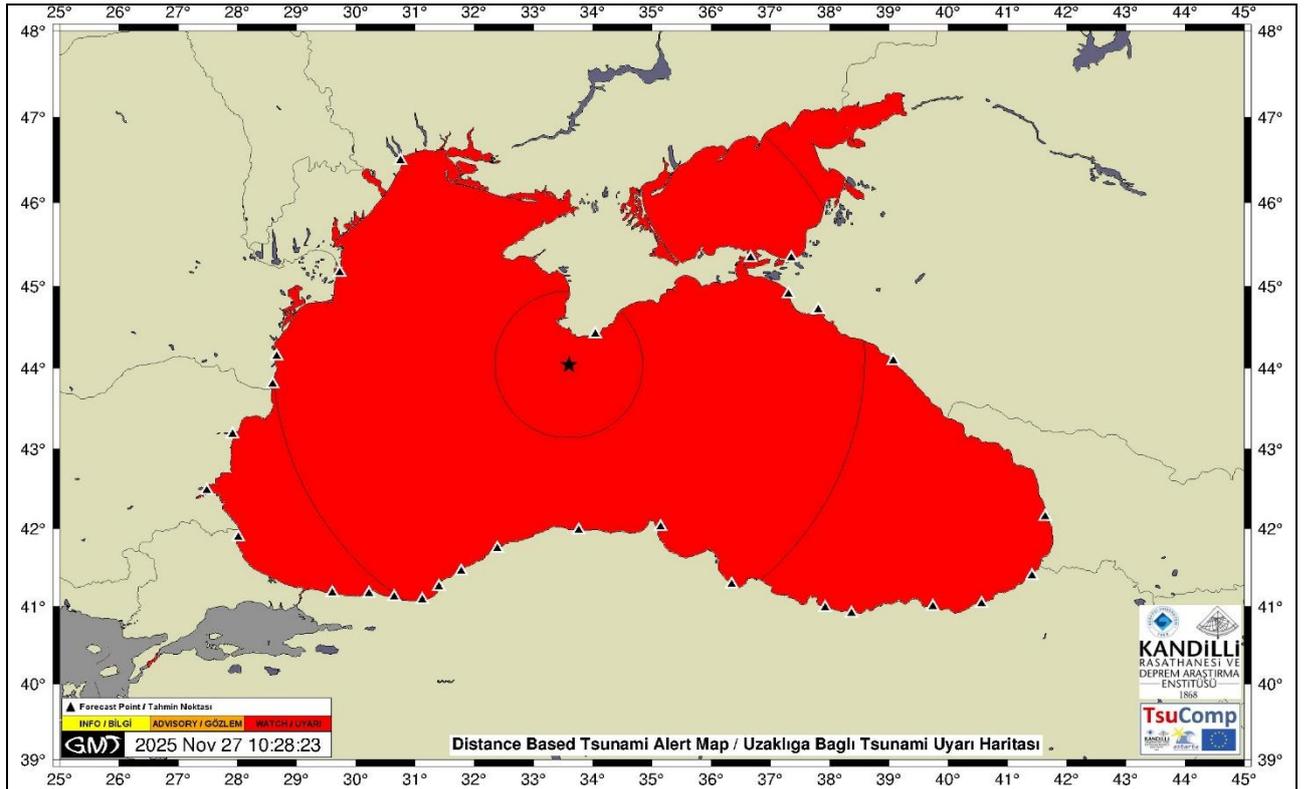
IT IS NOT KNOWN THAT A TSUNAMI WAS GENERATED. THIS MESSAGE IS BASED ONLY ON THE EARTHQUAKE EVALUATION. AN EARTHQUAKE OF THIS SIZE HAS THE POTENTIAL TO GENERATE A TSUNAMI THAT CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. THIS CENTER WILL MONITOR SEA LEVEL DATA FROM GAUGES NEAR THE EARTHQUAKE TO DETERMINE IF A TSUNAMI WAS GENERATED AND ESTIMATE THE SEVERITY OF THE THREAT. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE MONITORING AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.

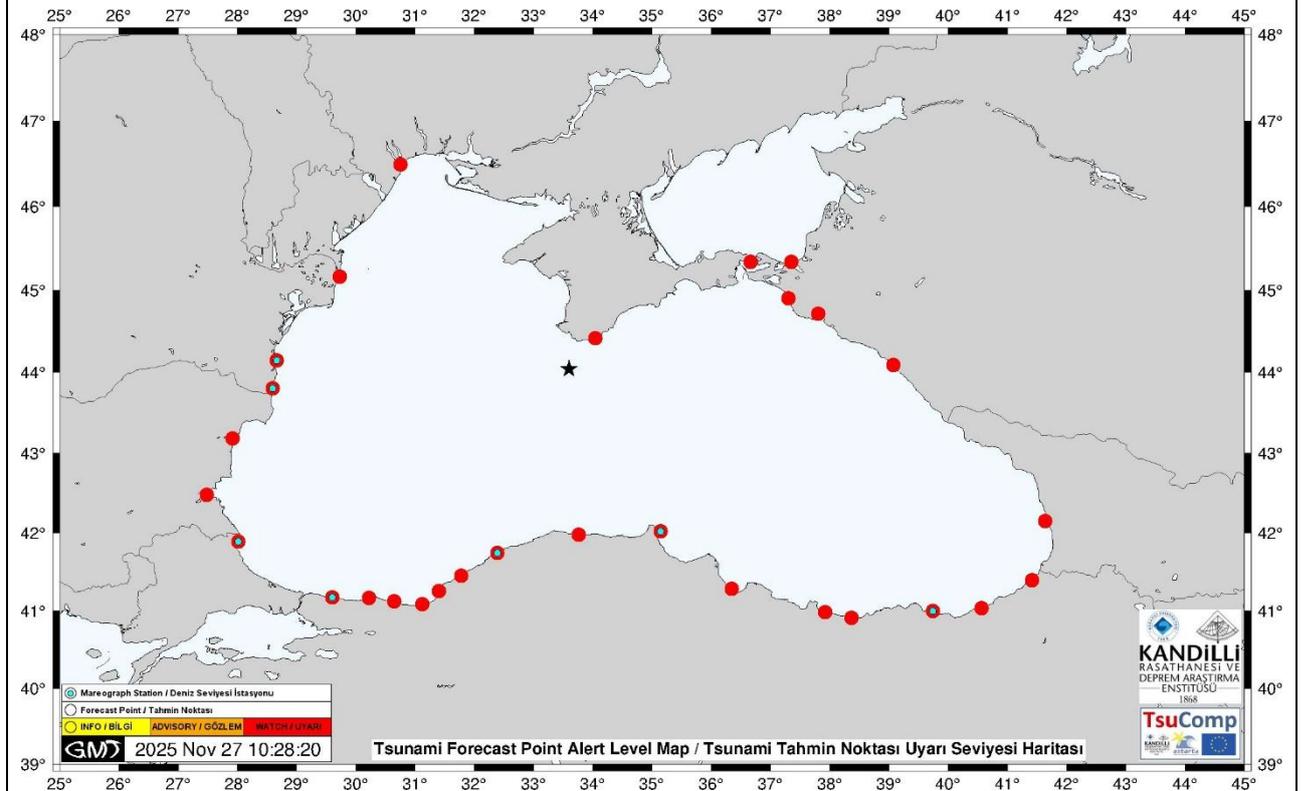
LOCATION	FORECAST POINT	COORDINATES	ARRIVAL TIME	LEVEL
BULGARIA	- VARNA	43.1872 27.9223	1058Z 13 MAR	WATCH
BULGARIA	- BURGAS	42.4816 27.4845	1135Z 13 MAR	WATCH
GEORGIA	- POTI	42.1496 41.6466	1027Z 13 MAR	WATCH
ROMANIA	- MANGALIA (M)	43.8013 28.5950	1038Z 13 MAR	WATCH
ROMANIA	- CONSTANTA (M)	44.1475 28.6720	1058Z 13 MAR	WATCH
ROMANIA	- SULINA	45.1622 29.7272	1112Z 13 MAR	WATCH
RUSSIAN FEDERATION	- ANAPA	44.9013 37.3065	0958Z 13 MAR	WATCH
RUSSIAN FEDERATION	- NOVOROSIYS	44.7175 37.8076	1000Z 13 MAR	WATCH
RUSSIAN FEDERATION	- TUAPSE	44.0920 39.0776	1001Z 13 MAR	WATCH
RUSSIAN FEDERATION	- PORT KAVKAZ	45.3422 36.6661	1118Z 13 MAR	WATCH
RUSSIAN FEDERATION	- TEMRJUK	45.3395 37.3599	1316Z 13 MAR	WATCH
TURKIYE	- KASTAMONU INEBOLU	41.9775 33.7697	0936Z 13 MAR	WATCH
TURKIYE	- SINOP (M)	42.0231 35.1495	0941Z 13 MAR	WATCH
TURKIYE	- AMASRA (M)	41.7440 32.3903	0942Z 13 MAR	WATCH
TURKIYE	- ZONGULDAK	41.4549 31.7796	0944Z 13 MAR	WATCH
TURKIYE	- SAKARYA IHSANIYE	41.1281 30.6498	0952Z 13 MAR	WATCH
TURKIYE	- ZONGULDAK EREGLI	41.2556 31.4033	0952Z 13 MAR	WATCH
TURKIYE	- DUZCE AKCAKOCA	41.0915 31.1208	0954Z 13 MAR	WATCH
TURKIYE	- SAMSUN	41.2865 36.3482	1002Z 13 MAR	WATCH
TURKIYE	- KOCAELI KEFKEN	41.1702 30.2232	1003Z 13 MAR	WATCH
TURKIYE	- GIRESUN	40.9125 38.3726	1005Z 13 MAR	WATCH
TURKIYE	- ISTANBUL SILE (M)	41.1764 29.6054	1007Z 13 MAR	WATCH
TURKIYE	- ORDU	40.9863 37.9281	1008Z 13 MAR	WATCH
TURKIYE	- TRABZON (M)	41.0020 39.7445	1013Z 13 MAR	WATCH
TURKIYE	- RIZE	41.0389 40.5730	1016Z 13 MAR	WATCH
TURKIYE	- ARTVIN HOPA	41.3931 41.4175	1024Z 13 MAR	WATCH
TURKIYE	- KIRKLARELI IGNEADA (M)	41.8889 28.0235	1037Z 13 MAR	WATCH
UKRAINE	- KACIVELI	44.4166 34.0499	0917Z 13 MAR	WATCH
UKRAINE	- ODESA	46.4968 30.7607	1244Z 13 MAR	WATCH

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS. THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

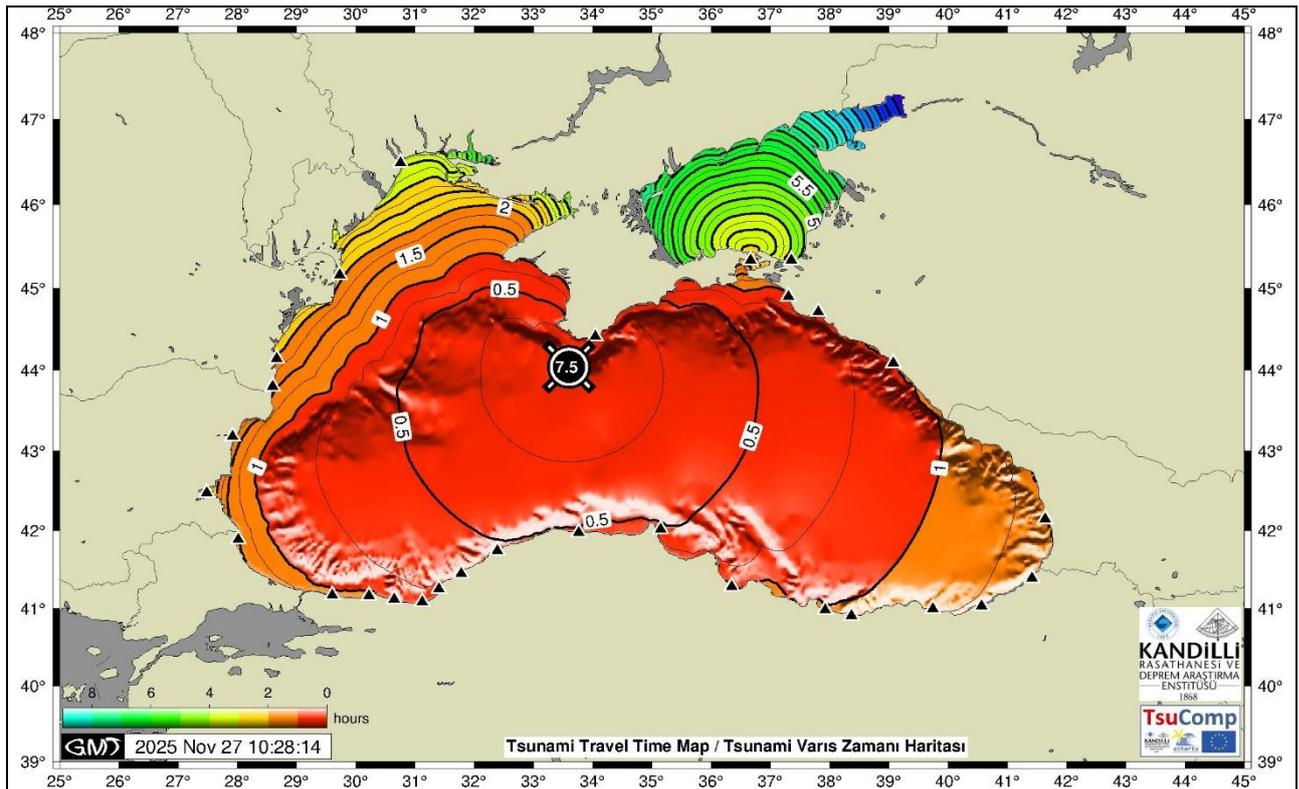
END OF TSUNAMI EXERCISE MESSAGE NUMBER 001



KOERI Tsunami Message #001 e-mail attachment 1/3: Service Area Alert Level Map



KOERI Tsunami Message #001 e-mail attachment 2/3: TFP Alert Level Map



KOERI Tsunami Message #001 e-mail attachment 3/3: Tsunami Travel Time Map

## KOERI MESSAGE #002

TSUNAMI EXERCISE MESSAGE NUMBER 002  
NEAM TSUNAMI SERVICE PROVIDER KOERI (TURKIYE)  
ISSUED AT 0950Z 13 MAR 2026

THIS ALERT IS ADDRESSED TO ALL COUNTRIES AND INSTITUTIONS SUBSCRIBED TO THE SERVICES OF KOERI NEAM TSP IN ITS MONITORING AREA.

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO BULGARIA ... GEORGIA ... ROMANIA ... RUSSIAN FEDERATION ... TURKIYE ... UKRAINE

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0900Z 13 MAR 2026  
COORDINATES - 44.04 NORTH 33.60 EAST  
DEPTH - 20.00 KM  
LOCATION - BLACK SEA  
MAGNITUDE - 7.5

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY.

COUNTRY	GAUGE LOCATION	LAT	LON	TIME	AMPLITUDE (M)	PERIOD (MIN)
TURKIYE	SINOP	42.0231	35.1495	0928Z 13 MAR	00.14	07.0
TURKIYE	AMASRA	41.7440	32.3903	0930Z 13 MAR	00.57	15.0

LAT - LATITUDE (N-NORTH)

LON - LONGITUDE (E-EAST)

TIME - TIME OF THE MEASUREMENT (Z IS UTC TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL.

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN METERS (M).

PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED. THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE. SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS. THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

END OF TSUNAMI EXERCISE MESSAGE NUMBER 002

### KOERI MESSAGE #003

TSUNAMI EXERCISE MESSAGE NUMBER 003  
NEAM TSUNAMI SERVICE PROVIDER KOERI (TURKIYE)  
ISSUED AT 1011Z 13 MAR 2026

THIS ALERT IS ADDRESSED TO ALL COUNTRIES AND INSTITUTIONS SUBSCRIBED TO THE SERVICES OF KOERI NEAM TSP IN ITS MONITORING AREA.

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO BULGARIA ... GEORGIA ... ROMANIA ... RUSSIAN FEDERATION ... TURKIYE ... UKRAINE

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0900Z 13 MAR 2026  
COORDINATES - 44.04 NORTH 33.60 EAST  
DEPTH - 20.00 KM  
LOCATION - BLACK SEA  
MAGNITUDE - 7.5

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY.

COUNTRY	GAUGE LOCATION	LAT	LON	TIME	AMPLITUDE (M)	PERIOD (MIN)
TURKIYE	SINOP	42.0231	35.1495	0928Z 13 MAR	00.14	07.0
TURKIYE	AMASRA	41.7440	32.3903	0930Z 13 MAR	00.57	15.0
TURKIYE	ISTANBUL SILE	41.1764	29.6054	0959Z 13 MAR	00.32	05.0

LAT - LATITUDE (N-NORTH)

LON - LONGITUDE (E-EAST)

TIME - TIME OF THE MEASUREMENT (Z IS UTC TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL.

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN METERS (M).

PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED. THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE. SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS. THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

END OF TSUNAMI EXERCISE MESSAGE NUMBER 003

### KOERI MESSAGE #004

TSUNAMI EXERCISE MESSAGE NUMBER 004  
NEAM TSUNAMI SERVICE PROVIDER KOERI (TURKIYE)  
ISSUED AT 1031Z 13 MAR 2026

THIS ALERT IS ADDRESSED TO ALL COUNTRIES AND INSTITUTIONS SUBSCRIBED TO THE SERVICES OF KOERI NEAM TSP IN ITS MONITORING AREA.

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO BULGARIA ... GEORGIA ... ROMANIA ... RUSSIAN FEDERATION ... TURKIYE ... UKRAINE

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
 ORIGIN TIME - 0900Z 13 MAR 2026  
 COORDINATES - 44.04 NORTH 33.60 EAST  
 DEPTH - 20.00 KM  
 LOCATION - BLACK SEA  
 MAGNITUDE - 7.5

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY.

COUNTRY	GAUGE LOCATION	LAT	LON	TIME	AMPLITUDE (M)	PERIOD (MIN)
TURKIYE	SINOP	42.0231	35.1495	0928Z 13 MAR	00.23	10.0
TURKIYE	AMASRA	41.7440	32.3903	0930Z 13 MAR	00.57	15.0
TURKIYE	TRABZON	41.0020	39.7445	0956Z 13 MAR	00.07	09.0
TURKIYE	ISTANBUL SILE	41.1764	29.6054	0959Z 13 MAR	00.32	05.0

LAT - LATITUDE (N-NORTH)  
 LON - LONGITUDE (E-EAST)  
 TIME - TIME OF THE MEASUREMENT (Z IS UTC TIME)  
 AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL.  
 IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.  
 VALUES ARE GIVEN IN METERS (M).  
 PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

EVALUATION OF TSUNAMI WATCH  
 SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED. THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE. SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS. THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

END OF TSUNAMI EXERCISE MESSAGE NUMBER 004

## KOERI MESSAGE #005

TSUNAMI EXERCISE MESSAGE NUMBER 005  
 NEAM TSUNAMI SERVICE PROVIDER KOERI (TURKIYE)  
 ISSUED AT 1045Z 13 MAR 2026

THIS ALERT IS ADDRESSED TO ALL COUNTRIES AND INSTITUTIONS SUBSCRIBED TO THE SERVICES OF KOERI NEAM TSP IN ITS MONITORING AREA.

... TSUNAMI WATCH ONGOING ...  
 THIS ALERT APPLIES TO BULGARIA ... GEORGIA ... ROMANIA ... RUSSIAN FEDERATION ... TURKIYE ... UKRAINE

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
 ORIGIN TIME - 0900Z 13 MAR 2026  
 COORDINATES - 44.04 NORTH 33.60 EAST  
 DEPTH - 20.00 KM  
 LOCATION - BLACK SEA  
 MAGNITUDE - 7.5

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY.

COUNTRY	GAUGE LOCATION	LAT	LON	TIME	AMPLITUDE (M)	PERIOD (MIN)
TURKIYE	SINOP	42.0231	35.1495	0928Z 13 MAR	00.23	10.0
TURKIYE	AMASRA	41.7440	32.3903	0930Z 13 MAR	00.57	15.0
TURKIYE	TRABZON	41.0020	39.7445	0956Z 13 MAR	00.07	09.0
TURKIYE	ISTANBUL SILE	41.1764	29.6054	0959Z 13 MAR	00.32	05.0
ROMANIA	MANGALIA	43.8013	28.5950	1026Z 13 MAR	00.18	21.0
TURKIYE	KIRKLARELI IGNEADA	41.8889	28.0235	1026Z 13 MAR	00.22	12.0

LAT - LATITUDE (N-NORTH)  
 LON - LONGITUDE (E-EAST)  
 TIME - TIME OF THE MEASUREMENT (Z IS UTC TIME)  
 AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL.

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.  
VALUES ARE GIVEN IN METERS (M).  
PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

EVALUATION OF TSUNAMI WATCH  
SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED. THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE. SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS. THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

END OF TSUNAMI EXERCISE MESSAGE NUMBER 005

### KOERI MESSAGE #006

TSUNAMI EXERCISE MESSAGE NUMBER 006  
NEAM TSUNAMI SERVICE PROVIDER KOERI (TURKIYE)  
ISSUED AT 1102Z 13 MAR 2026

THIS ALERT IS ADDRESSED TO ALL COUNTRIES AND INSTITUTIONS SUBSCRIBED TO THE SERVICES OF KOERI NEAM TSP IN ITS MONITORING AREA.

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO BULGARIA ... GEORGIA ... ROMANIA ... RUSSIAN FEDERATION ... TURKIYE ... UKRAINE

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0900Z 13 MAR 2026  
COORDINATES - 44.04 NORTH 33.60 EAST  
DEPTH - 20.00 KM  
LOCATION - BLACK SEA  
MAGNITUDE - 7.5

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY.

COUNTRY	GAUGE LOCATION	LAT	Lon	TIME	AMPLITUDE (M)	PERIOD (MIN)
TURKIYE	SINOP	42.0231	35.1495	0928Z 13 MAR	00.23	10.0
TURKIYE	AMASRA	41.7440	32.3903	0930Z 13 MAR	00.57	15.0
TURKIYE	TRABZON	41.0020	39.7445	0956Z 13 MAR	00.13	08.0
TURKIYE	ISTANBUL SILE	41.1764	29.6054	0959Z 13 MAR	00.32	05.0
ROMANIA	MANGALIA	43.8013	28.5950	1026Z 13 MAR	00.18	21.0
TURKIYE	KIRKLARELI IGNEADA	41.8889	28.0235	1026Z 13 MAR	00.22	12.0
ROMANIA	CONSTANTA	44.1475	28.6720	1046Z 13 MAR	00.11	09.0

LAT - LATITUDE (N-NORTH)

Lon - LONGITUDE (E-EAST)

TIME - TIME OF THE MEASUREMENT (Z IS UTC TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL.

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN METERS (M).

PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

EVALUATION OF TSUNAMI WATCH  
SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED. THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE. SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS. THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

END OF TSUNAMI EXERCISE MESSAGE NUMBER 006

### KOERI MESSAGE #007

TSUNAMI EXERCISE MESSAGE NUMBER 007  
NEAM TSUNAMI SERVICE PROVIDER KOERI (TURKIYE)

ISSUED AT 1225Z 13 MAR 2026

THIS ALERT IS ADDRESSED TO ALL COUNTRIES AND INSTITUTIONS SUBSCRIBED TO THE SERVICES OF KOERI NEAM TSP IN ITS MONITORING AREA.

... END OF TSUNAMI WATCH ...

THIS ALERT APPLIES TO BULGARIA ... GEORGIA ... ROMANIA ... RUSSIAN FEDERATION ... TURKIYE ... UKRAINE

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0900Z 13 MAR 2026

COORDINATES - 44.04 NORTH 33.60 EAST

DEPTH - 20.00 KM

LOCATION - BLACK SEA

MAGNITUDE - 7.5

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED. OBSERVATIONS AND MODELS INDICATE THAT NO MORE TSUNAMI WAVES ARE EXPECTED. WHEN NO MAJOR WAVES ARE OBSERVED FOR TWO HOURS AFTER THE ESTIMATED TIME OF ARRIVAL OR DAMAGING WAVES HAVE NOT OCCURRED FOR AT LEAST TWO HOURS THEN LOCAL AUTHORITIES CAN ASSUME THE THREAT IS PASSED. DANGER TO BOATS AND COASTAL STRUCTURES CAN CONTINUE FOR SEVERAL HOURS DUE TO THE CONTINUING SEA LEVEL CHANGES AND RAPID CURRENTS. AS LOCAL CONDITIONS CAN CAUSE A WIDE VARIATION IN TSUNAMI WAVE ACTION THE ALL CLEAR DETERMINATION MUST BE MADE BY LOCAL AUTHORITIES.

THIS WILL BE THE FINAL MESSAGE ISSUED FOR THIS EVENT UNLESS ADDITIONAL INFORMATION BECOMES AVAILABLE.

END OF TSUNAMI EXERCISE MESSAGE NUMBER 007

## NEAMWave26 – TSP KOERI Exercise SMS messages

### SMS #001

\*TEST\* TSUNAMI EXERCISE MSG;NEAMTWS-KOERI;WATCH:BG GE RO RU TR UA; 0900Z 13MAR2026;EQ Mw7.5;BLACK SEA;44.04N;33.60E;20.0KM\*TEST\*

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## 7.5 NORTH-EASTERN ATLANTIC OCEAN (NEA) TSUNAMI SCENARIO: GORRINGE BANK FAULT<sup>5</sup>

### **IPMA, CENALT & IGN**

*Prepared by  
IPMA, CENALT and IGN teams  
Provisional sheet*

#### **Introduction –**

On the morning of November, 1st, 1755 a major earthquake took place in South West Iberia Margin, generating a tsunami that hit the southwestern coast of Portugal in a short time after the main shock (less than 30 min after Baptista et al., 1998). This event remains the largest natural disaster in Europe in the last 500 years, in terms of loss of lives (60 000 to 100 000 deaths) and destruction (Chester, 2001).

The strongest earthquake shaking occurred all over the Iberian Peninsula, Morocco, and as far as Hamburg, the Azores and Cape Verde Islands (Martinez-Solares et al., 1979). Recent evaluations of the earthquake magnitude estimate it to 8.5 or larger.

The tsunami waves caused massive destruction in the southwest Iberian Peninsula and Northwest Morocco (Baptista et al., 1998; El Mrabet, 2005). They travelled as far north to Newfoundland and Cornwall in the UK (Huxham, 1756), and southwards to Antigua and Barbados in the Caribbean (Sylvanus, 1756), and to the coast of Brazil (Ruffman, 2006).

The 1755 tsunami remains the largest eye-witnessed historical event in the northeast Atlantic area. Historical documents describe, in detail, the waves along the coasts of Morocco, Portugal and Spain. They mention tsunami runup heights as high as 15 m and wave heights of ~24 m

<sup>5</sup> The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariats of UNESCO and IOC concerning the legal status of any country or territory, or its authorities, or concerning the delimitation of the frontiers of any country or territory. The information and maps presented here do not necessarily reflect the views and position of the United Nations, UNESCO, IOC or any affiliated Member State.

(Soyris, 1755) in some locations. These values raise the question of the reliability of some historical documents reporting the impact of the 1755 Lisbon tsunami.

To date, there is no final agreement on the exact location of the 1755 earthquake nor on the fault that was responsible for its generation, although it is believed that it occurred on the western segment of the Azores-Gibraltar fracture zone. In this tectonic context, various active faults were proposed as candidate solutions for the 1755 earthquake's rupture, including the Gorringe Bank fault considered in this report (See Figure 1).

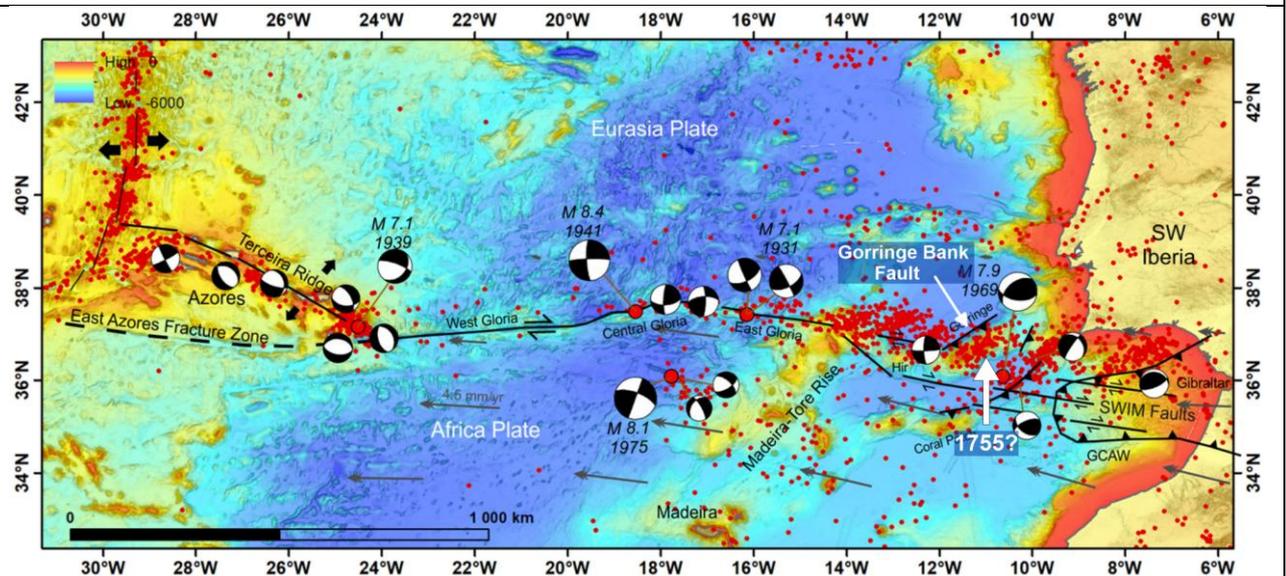


Figure 1. Main tectonic structures, instrumental seismicity ( $M > 4$ , 1970-2017) and major earthquake events along the Azores-Gibraltar Fracture Zone. Highlight of the selected Gorringe Bank Fault as possible source of the 1755 earthquake and tsunami event (adapted from Hensen et al., 2019).

### 1. Event Information –

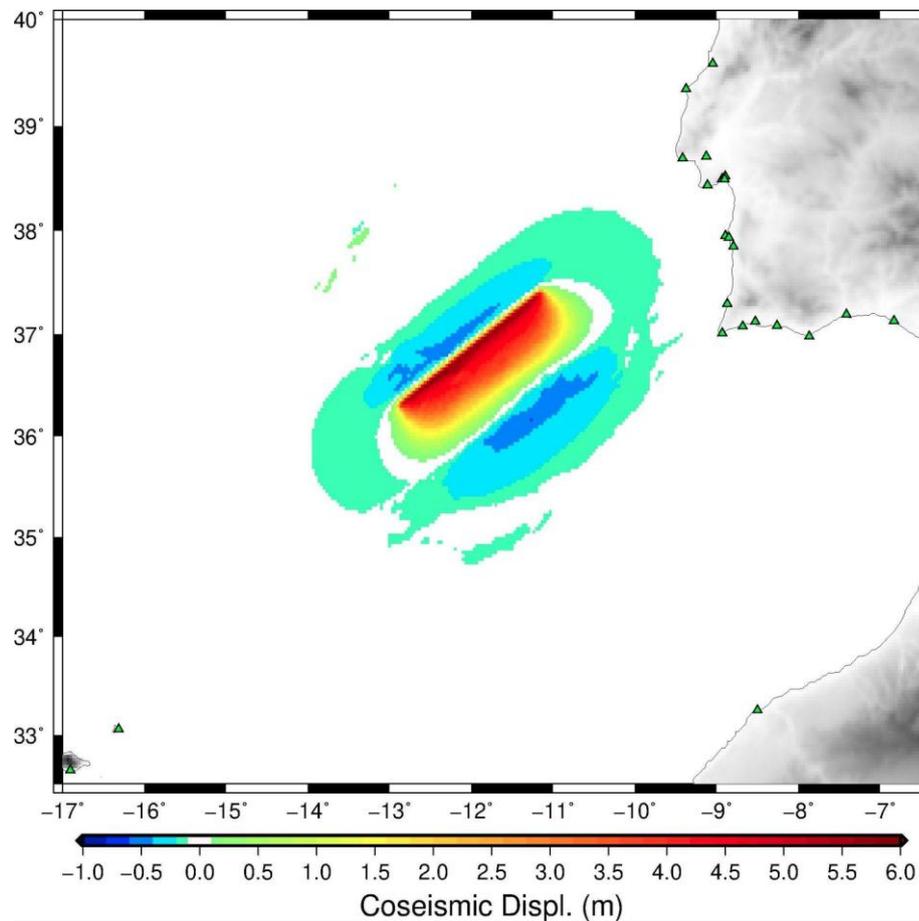
The earthquake fault parameters required to numerically simulate the tsunami generation from an instantaneous earthquake rupture are depicted in Table 1. They describe an  $M_w 8.5$  earthquake rupturing the fault limiting the northern Gorringe Bank flank and are obtained from previous seismological and tsunami studies in the region (i.e., Johnston 1996; Matias et al., 2013; Wronna et al., 2015).

Table 1: Earthquake fault parameters for the 1755-like scenario ( $M_w 8.50$  on the Gorringe Fault)

Earthquake Fault Parameters	
Epicenter Location (Fault plan center)	Longitude : $-11.802^\circ$ Latitude : $36.6418^\circ$
Dimensions	Length : 200 km Width : 80 km
Slip	10 m
Strike	$51.5^\circ$
Dip	$35^\circ$
Rake	$90^\circ$
Depth to the top of the fault	5 km
Shear modulus	$45.10 \times 10^9$ Pa
Moment magnitude	8.50

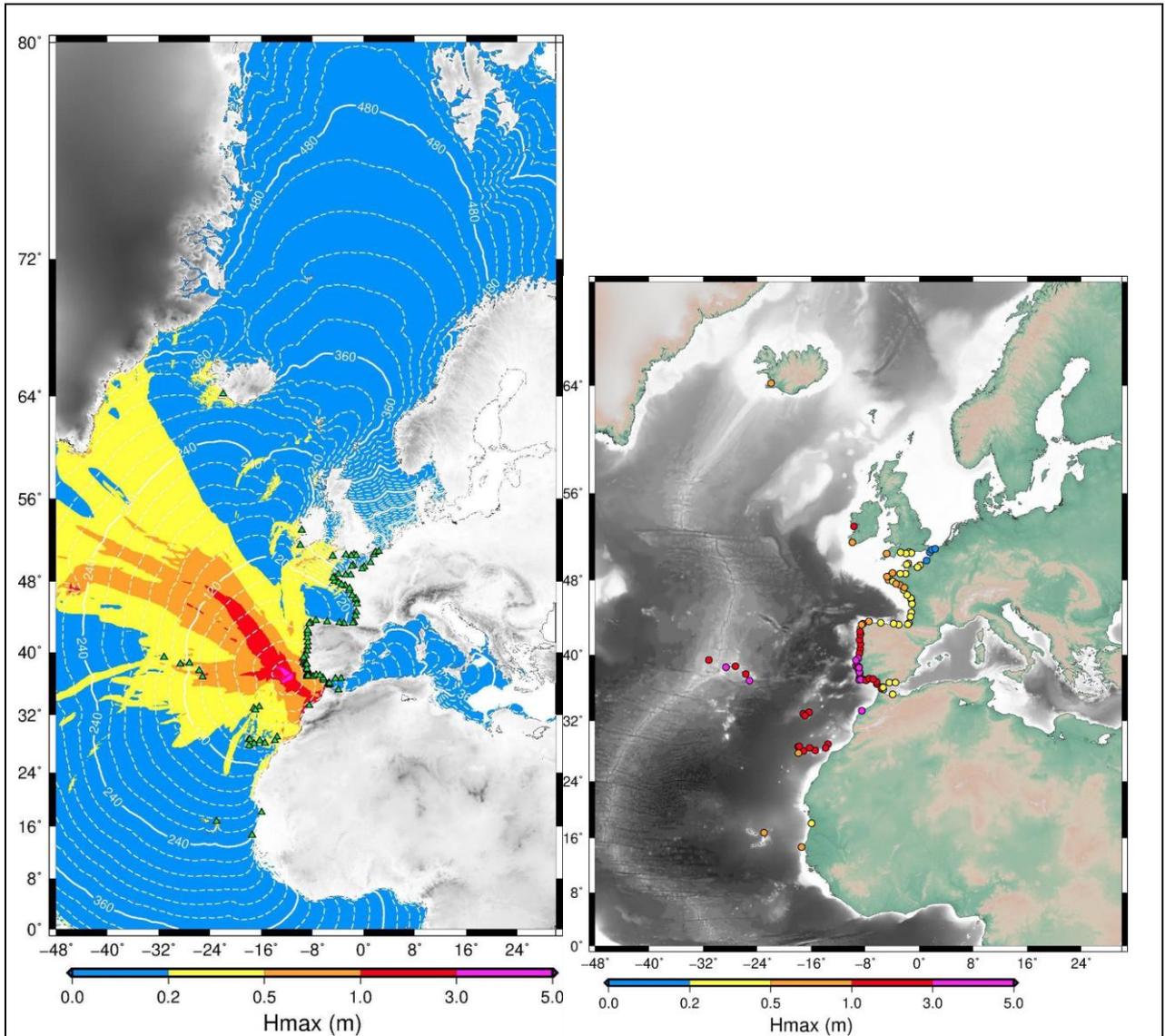
## 2. Numerical modelling –

Tsunami generation from the 1755-like event is simulated using the half-space elastic theory (Okada, 1985), assuming an instantaneous rupture of the earthquake and incompressibility of the sea water. Under these assumptions, the coseismic seafloor deformation is transferred directly to the sea-surface to initiate the tsunami. Figure 2 depicts the coseismic displacement for the 1755-like scenario.



*Figure 2: Coseismic displacement following the occurrence of a 1755-like earthquake on the Gorrige Bank fault. Green triangles mark the location of coastal tide gauges.*

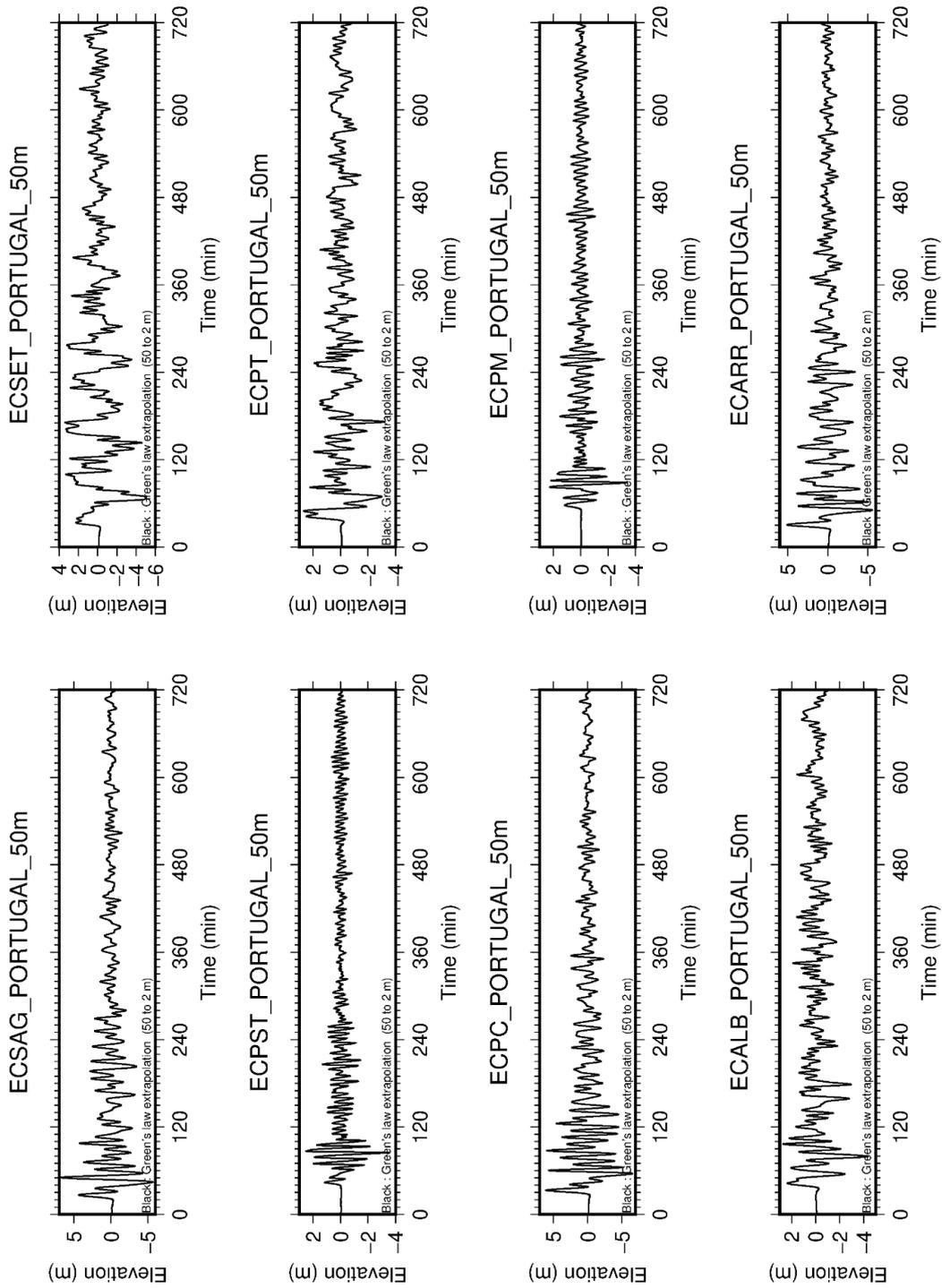
Tsunami propagation is simulated using two benchmarked non-linear shallow water numerical codes (i.e., NSWING at IPMA and Taitoko (Heinrich et al., 2021) at CENALT). The maximum wave height distribution in the NE Atlantic region scenario is depicted in Figure 3.



**Figure 3:** [Left] Maximum tsunami wave height ( $H_{max}$ ) in deep sea (2min-resolution grid) following a 1755-like earthquake (white contours present the estimated tsunami travel time every 20 minutes; green triangles mark the location of coastal tide gauges); [Right] Maximum tsunami wave height at tide gauges extrapolated at coastal locations using Green's law.

Figures 4a to 4g present examples of the simulated synthetic waveforms at the tide gauge coastal locations across the NE Atlantic, including Portugal, Spain, France, UK, Iceland, Morocco, Mauritania, Senegal and Cape Verde. These synthetic tsunami waveforms are first computed at

50 m water depth then amplified, using Green's Law, to a 2 m water depth to account for the amplification of tsunami waves in shallow water areas.



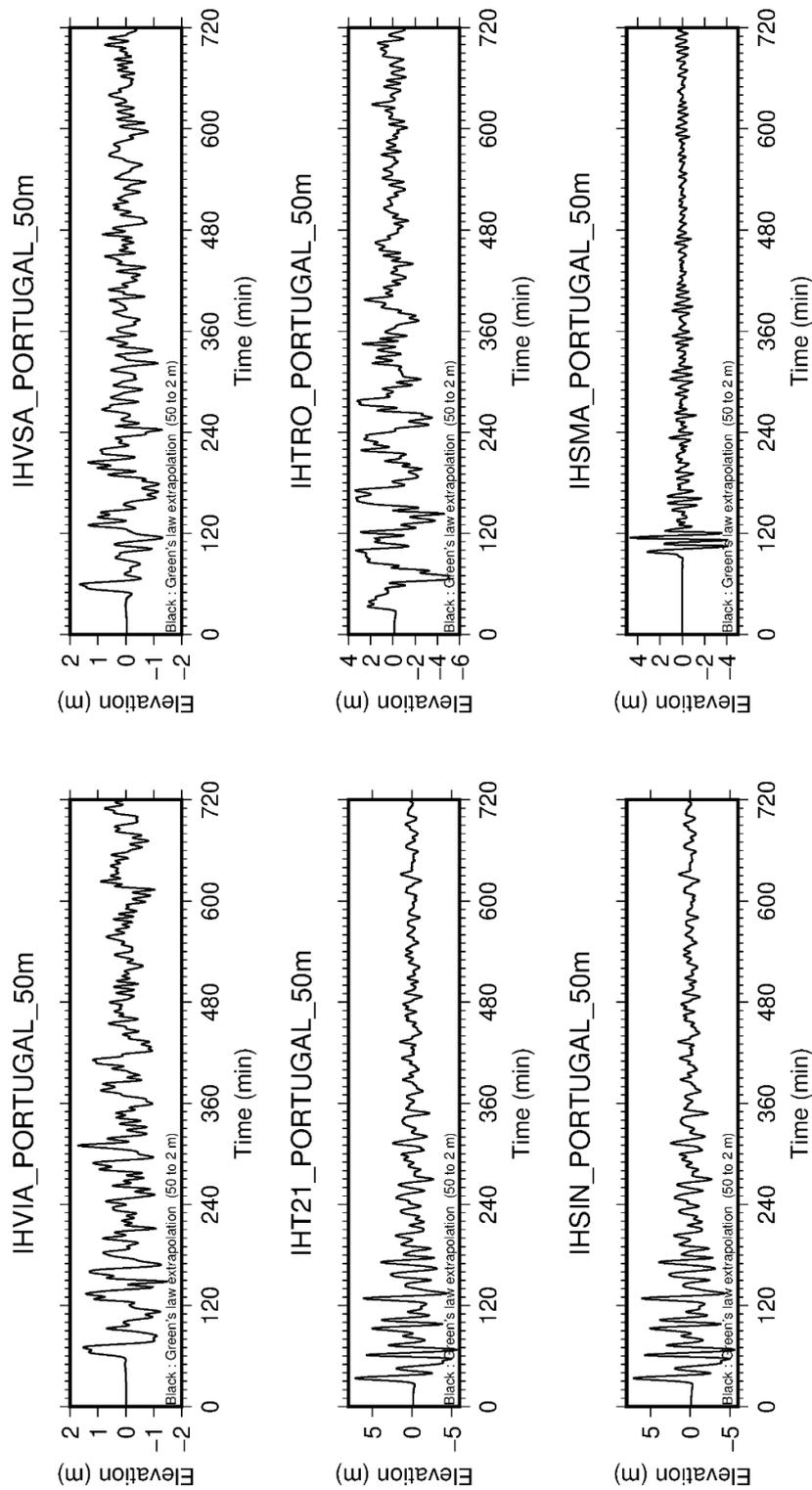
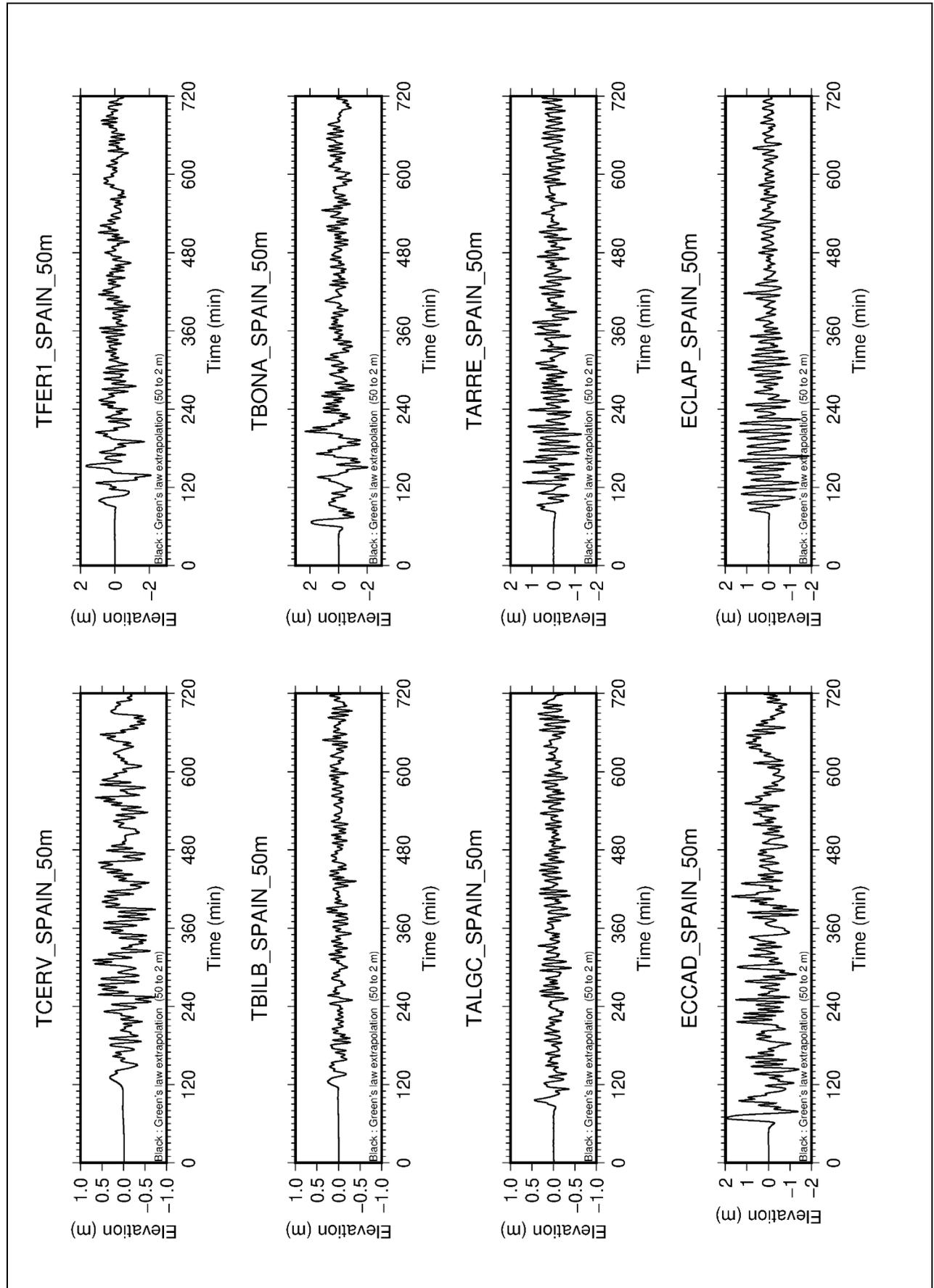
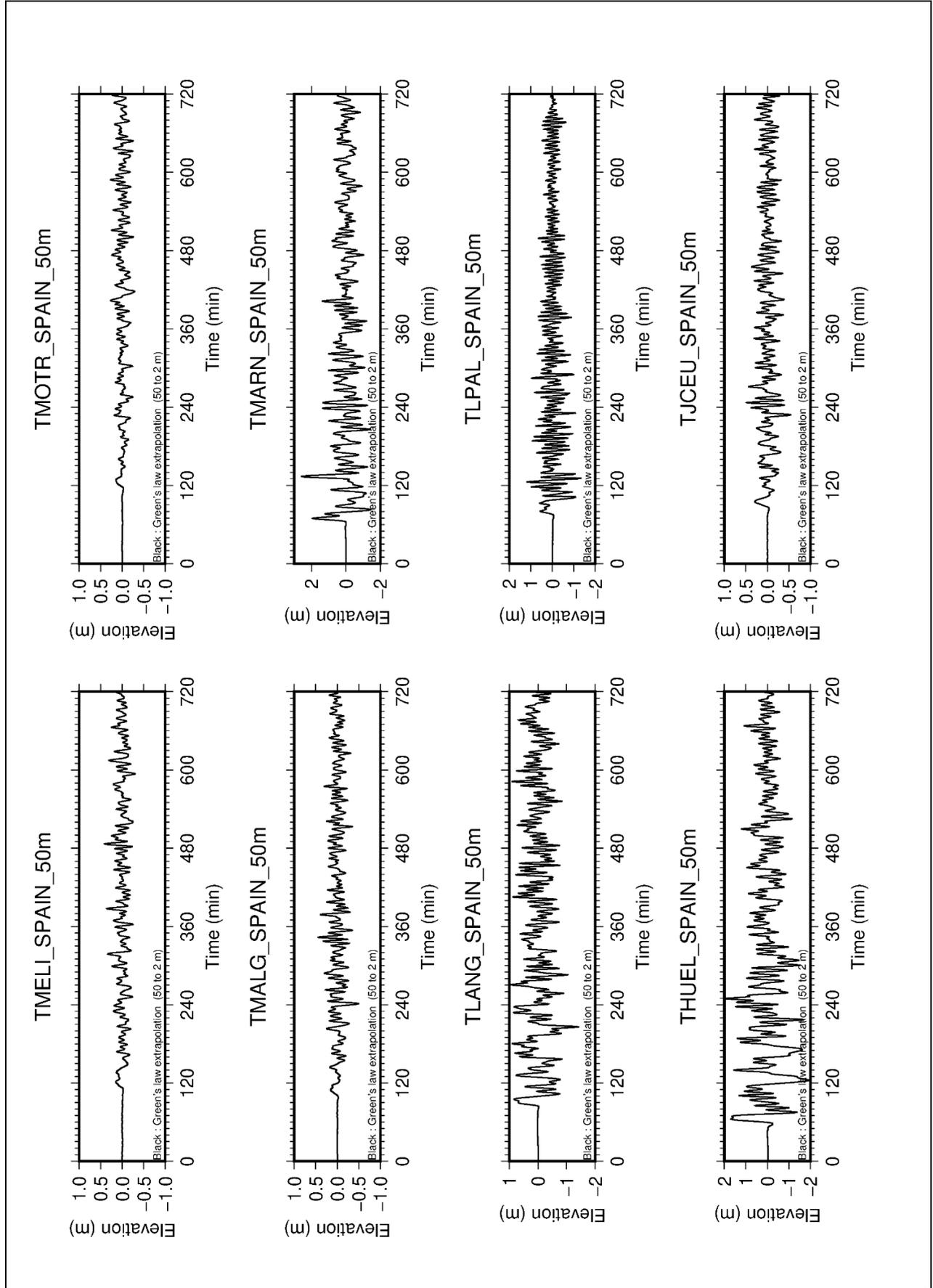


Figure 4a : Synthetic tsunami waveforms for the Portuguese tide gauges. The models are obtained using a 2 min grid cell, with extrapolation of the Hmax values at -50 m depth to the shore using Green's law.





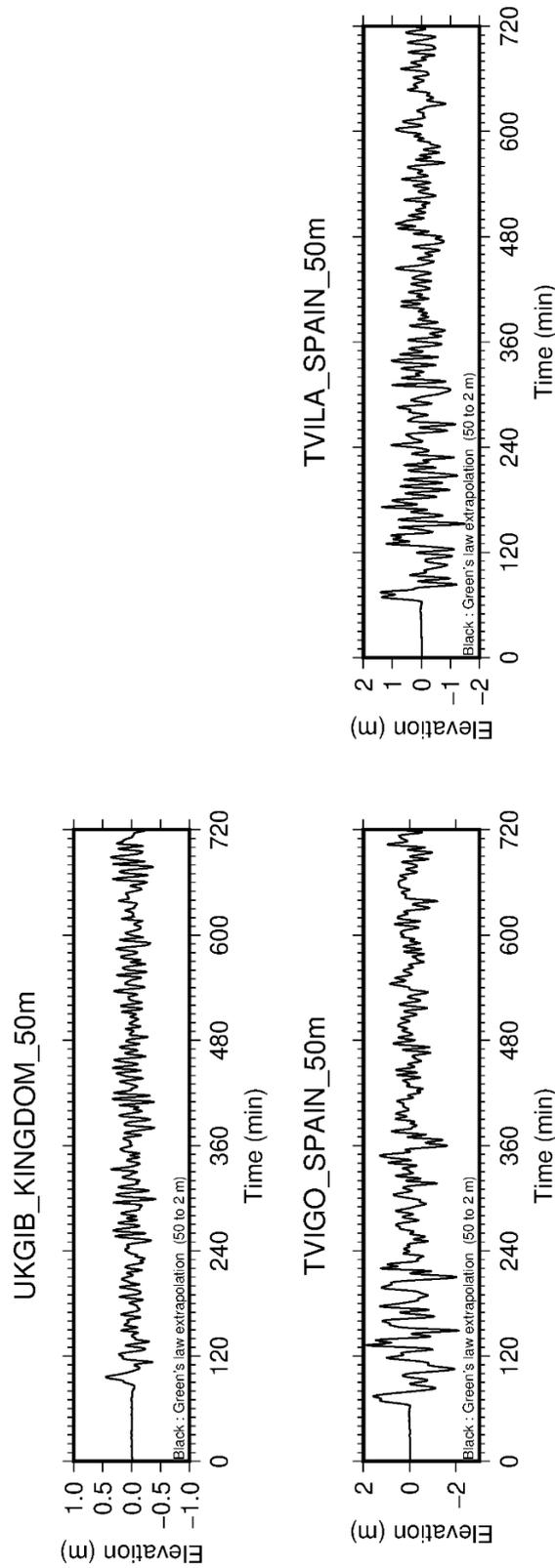


Figure 4b : Synthetic tsunami waveforms for the Spanish tide gauges. The models are obtained using a 2 min grid cell, with extrapolation of the Hmax values at -50 m depth to the shore using Green's law.

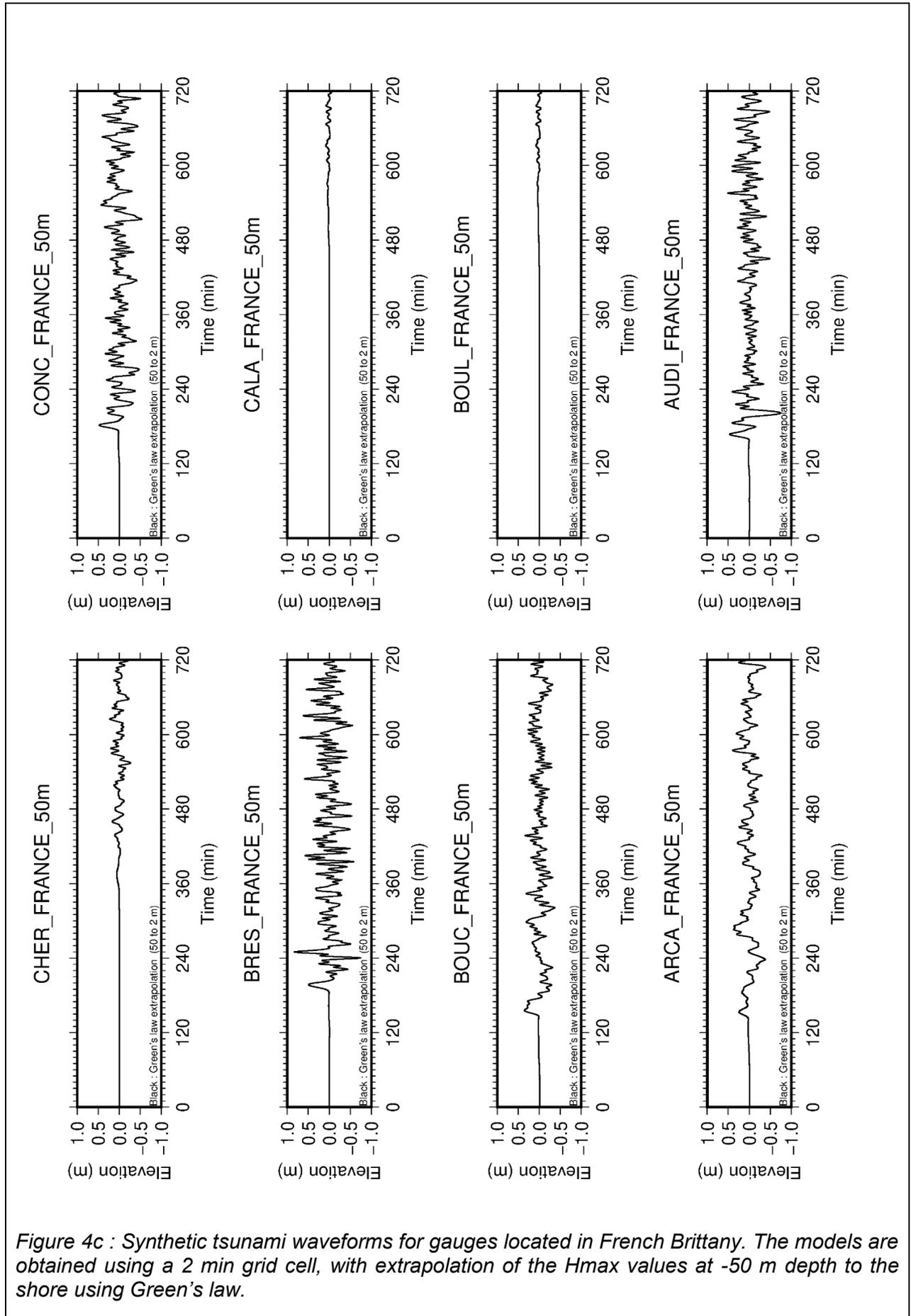


Figure 4c : Synthetic tsunami waveforms for gauges located in French Brittany. The models are obtained using a 2 min grid cell, with extrapolation of the  $H_{max}$  values at -50 m depth to the shore using Green's law.

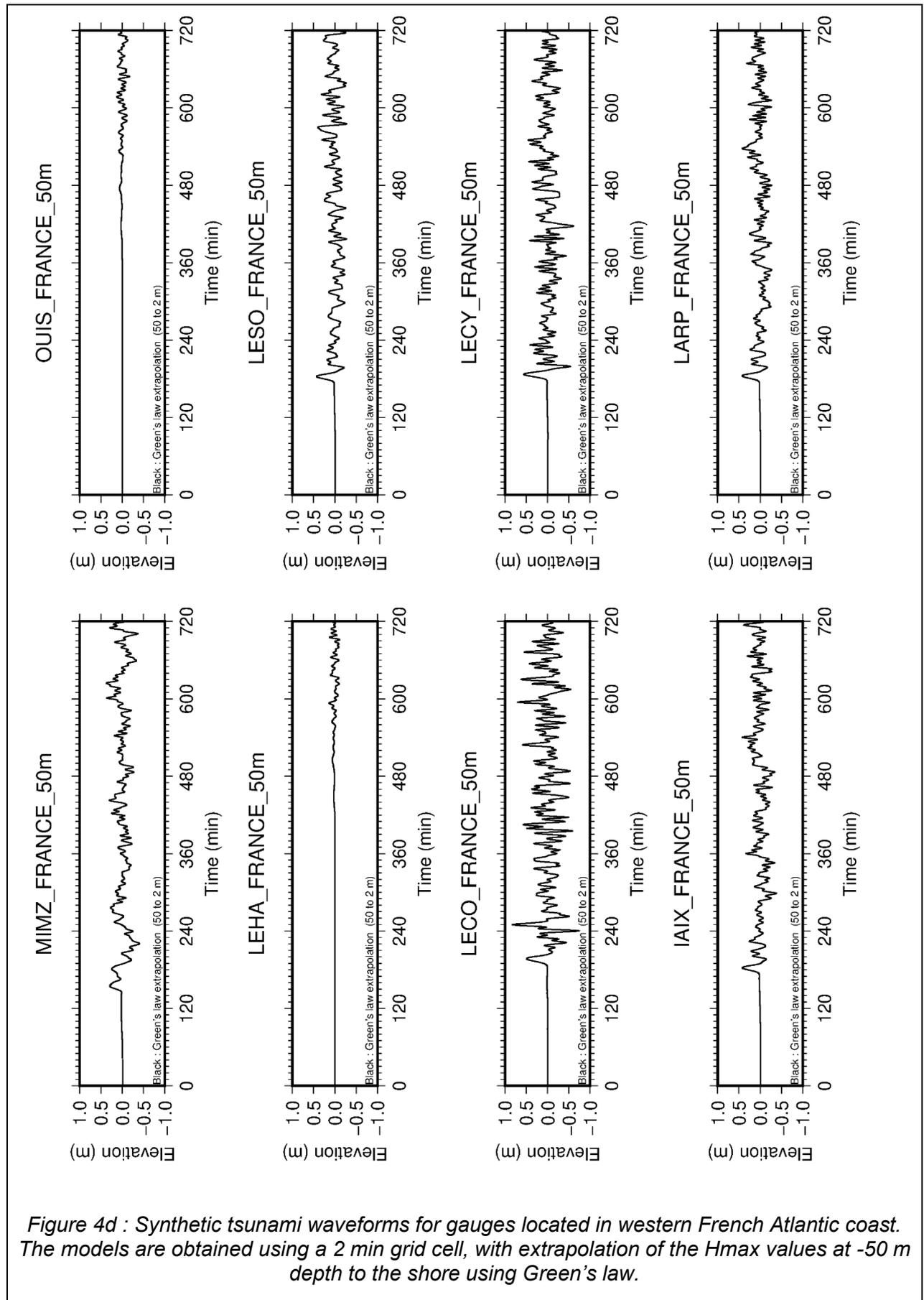


Figure 4d : Synthetic tsunami waveforms for gauges located in western French Atlantic coast. The models are obtained using a 2 min grid cell, with extrapolation of the Hmax values at -50 m depth to the shore using Green's law.

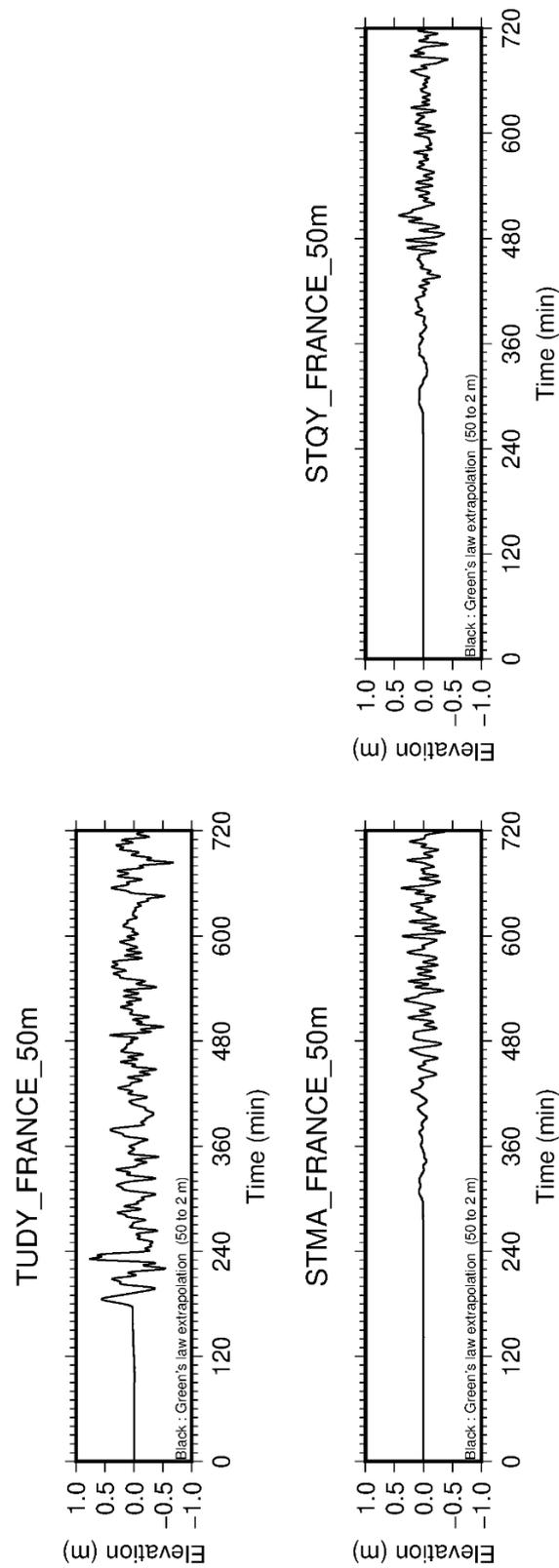


Figure 4e : Synthetic tsunami waveforms the French tide gauges. The models are obtained using a 2 min grid cell, with extrapolation of the Hmax values at -50 m depth to the shore using Green's law.

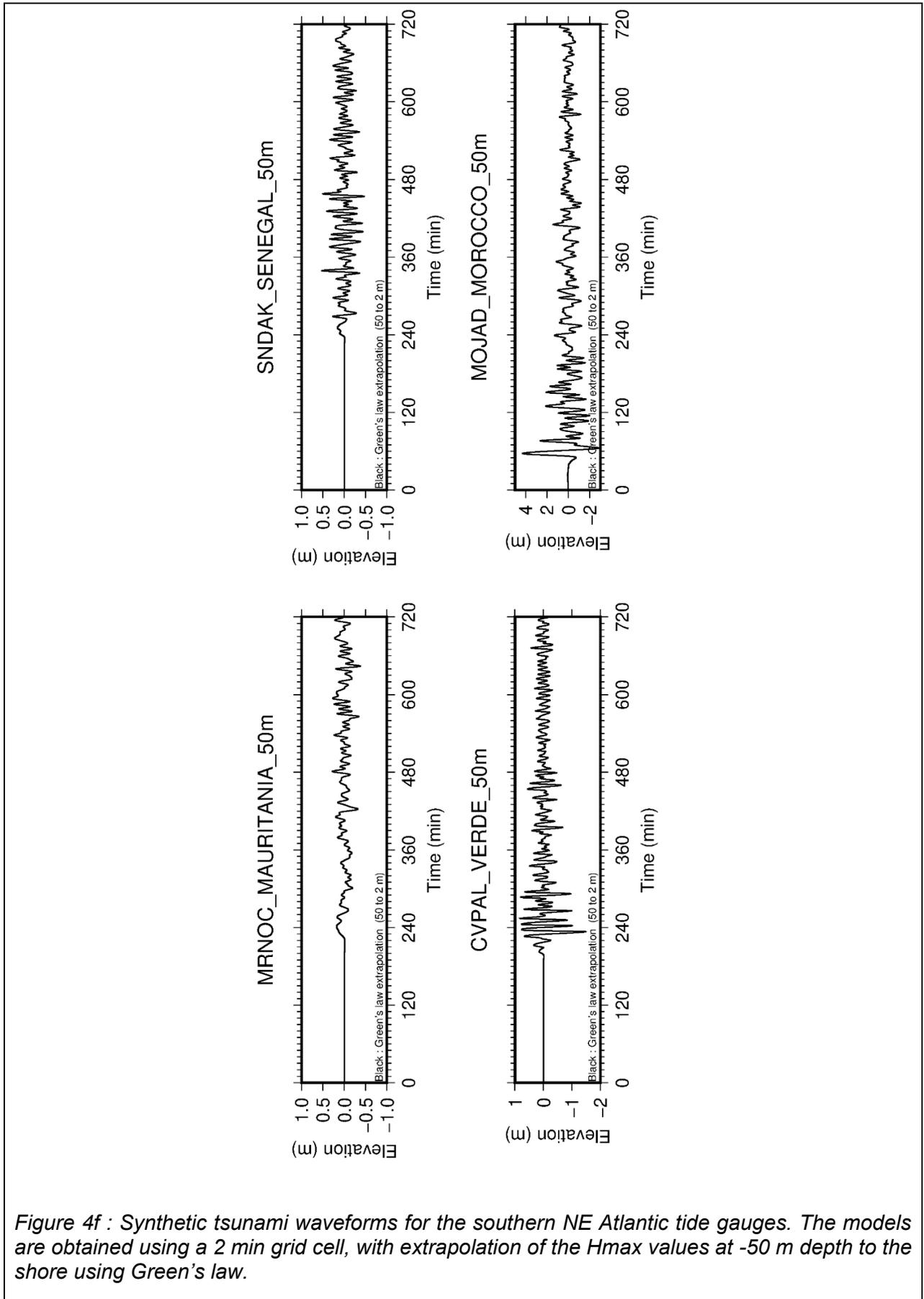


Figure 4f : Synthetic tsunami waveforms for the southern NE Atlantic tide gauges. The models are obtained using a 2 min grid cell, with extrapolation of the  $H_{max}$  values at -50 m depth to the shore using Green's law.

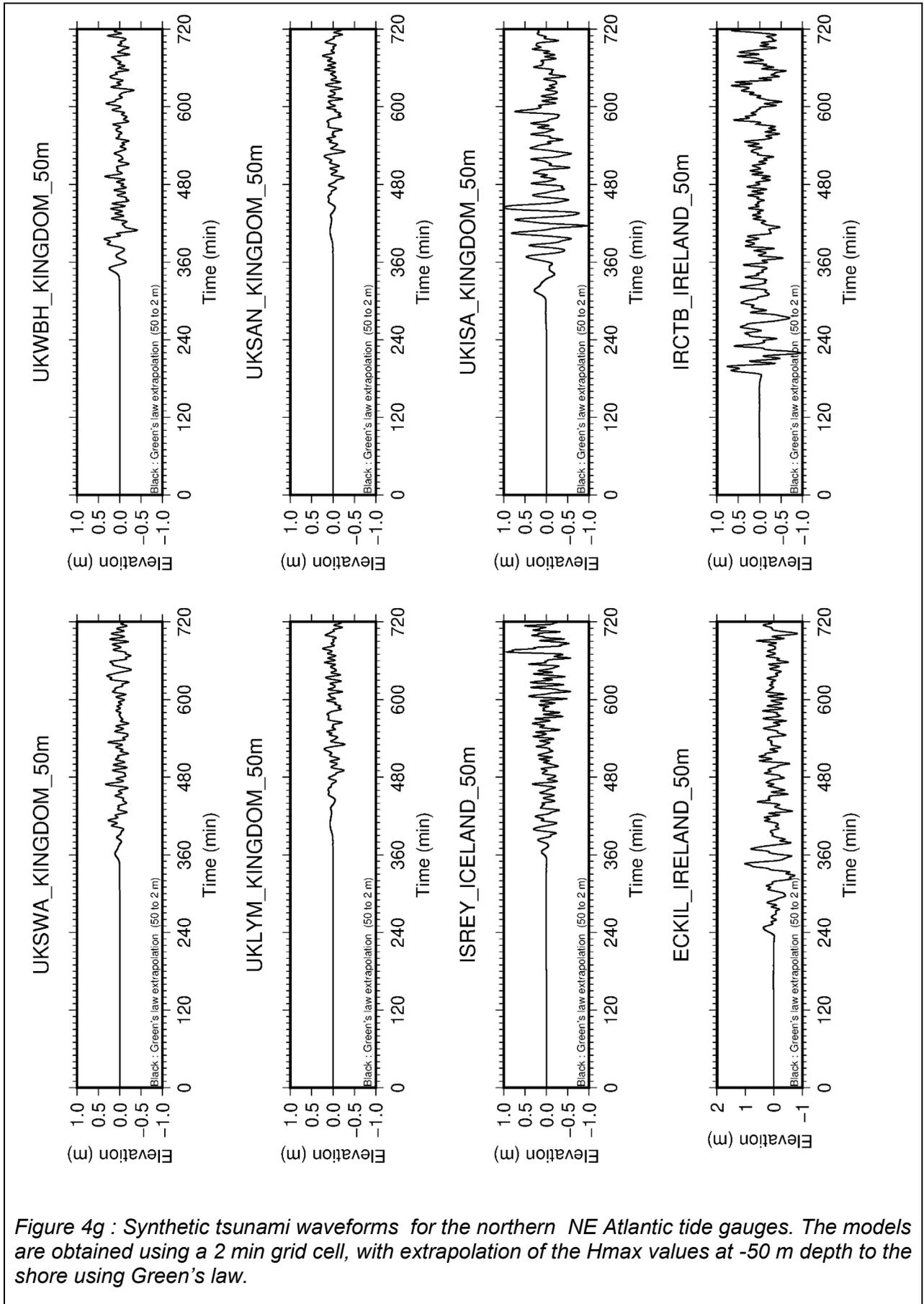


Figure 4g : Synthetic tsunami waveforms for the northern NE Atlantic tide gauges. The models are obtained using a 2 min grid cell, with extrapolation of the Hmax values at -50 m depth to the shore using Green's law.

**3. Alert Messages** - Message Provider involved briefly specifies the method adopted to assess the alert level, preferably based on common/daily practice (e.g., decision matrix, scenario based, etc.); how many alert messages will be issued and the related timetable (MSEL) specifying also the tsunami evolution (e.g., sea level readings, eyewitness observations, etc.);

The time of origin has been proposed to be at 09h00 UT (T0).

<b>ACTION</b>	<b>CONTENT</b>	<b>TIME</b>
<b>EQ event</b>	– Earthquake origin time	T0
<b>CENALT</b>	– Seismic detection and initial Earthquake parameters	T0 + 03 min
<b>IPMA</b>	– Seismic detection and initial Earthquake parameters	T0 + 04 min
<b>IPMA</b> Tsunami Exercise Message #1	– Earthquake parameters – Wave Arrival Times & Level of Alert a FP	T0 + 08 min
<b>CENALT</b> Tsunami Exercise Message #1	– Earthquake parameters – Wave Arrival Times & Level of Alert at FP	T0 + 10 min
<b>IPMA</b> Tsunami Exercise Message #2	– Earthquake parameters – First validated Wave arrivals (Sesimbra-PT) – <b>Portuguese mainland coasts</b> – Wave Arrival Times & Level of Alert at FP	T0 + 26 min
<b>IPMA</b> Tsunami Exercise Message #3	– Earthquake parameters – 2 <sup>nd</sup> to 15 <sup>th</sup> validated Wave arrivals – <b>Reaching Madeira Islands</b> – Wave Arrival Times & Level of Alert at FP	T0 + 45 min
<b>IPMA</b> Tsunami Exercise Message #4	– Earthquake parameters – More validated Wave arrival – <b>Reaching Morocco coast</b> – Wave Arrival Times & Level of Alert at FP	T0 + 45 min
<b>CENALT</b> Tsunami Exercise Message #2	– Earthquake parameters – First validated Wave arrivals (Lagos-PT and Funchal-PT) – <b>Portuguese mainland coast and PT Madeira archipelago coast</b> – Wave Arrival Times & Level of Alert at FP	T0 + 50 min
<b>IPMA</b> Tsunami Exercise Message #5	– Earthquake parameters – Mora validated Wave arrivals – <b>Reaching Spanish mainland coast</b> – Wave Arrival Times & Level of Alert at FP	T0 + 68 min
<b>IPMA</b> Tsunami Exercise Message #6	– Earthquake parameters – Mora validated Wave arrivals - <b>Reaching canary islands</b> – Wave Arrival Times & Level of Alert at FP	T0 + 82 min
<b>IPMA</b> Tsunami Exercise Message #7	– Earthquake parameters – Mora validated Wave arrivals – <b>Reaching Azores islands</b> – Wave Arrival Times & Level of Alert at FP	T0 + 98 min
<b>CENALT</b> Tsunami Exercise Message #3	– Earthquake parameters – Mora validated Wave arrivals – Wave Arrival Times & Level of Alert at FP	T0 + 120 min
<b>IPMA</b>	– Earthquake parameters	

Tsunami Exercise Message #8	<ul style="list-style-type: none"> <li>- Mora validated Wave arrivals – <b>Reaching French coast</b></li> <li>- Wave Arrival Times &amp; Level of Alert at FP</li> </ul>	T0 + 138 min
<b>IPMA</b> Tsunami Exercise Message #9	<ul style="list-style-type: none"> <li>- Earthquake parameters</li> <li>- Mora validated Wave arrivals - <b>Reaching Cape Verd</b></li> <li>- Wave Arrival Times &amp; Level of Alert at FP</li> </ul>	T0 + 206 min
<b>IPMA</b> Tsunami Exercise Message #10	<ul style="list-style-type: none"> <li>- Earthquake parameters</li> <li>- Mora validated Wave arrivals - <b>Reaching Mauritania and Senegal coast</b></li> <li>- Wave Arrival Times &amp; Level of Alert at FP</li> </ul>	T0 + 245 min
<b>CENALT</b> Tsunami Exercise Message #5	<ul style="list-style-type: none"> <li>- Earthquake parameters</li> <li>- End of Tsunami Watch</li> </ul>	T0 + 270 min
<b>IPMA</b> Tsunami Exercise Message #11	<ul style="list-style-type: none"> <li>- Earthquake parameters</li> <li>- Mora validated Wave arrivals</li> <li>- Wave Arrival Times &amp; Level of Alert at FP</li> </ul>	T0 + 300 min
<b>IPMA</b> Tsunami Exercise Message #12	<ul style="list-style-type: none"> <li>- Earthquake parameters</li> <li>- End of Tsunami Watch</li> </ul>	T0 + 360 min

Regarding alert messages from CENALT and IPMA, the number of tide gauge measurements could be shorter during the exercise. The time stamps given here are given considering a seismic event occurring at 09h00Z for CENALT and for IPMA. For the scenario, the origin time will also be at 09h00Z (or 09h00 UT).

For the example messages, IPMA has indicated an origin time of the event of 1000Z instead of 0900Z so all the times in the IPMA example message should subtract 1 hour.

The measurement amplitudes reported by CENALT on the tide gauges are given from pick to through, while IPMA's are referred from zero to top.

### **TSP CENALT EXERCISE MESSAGES**

**The 1<sup>ST</sup> message would be like :**

TSUNAMI EXERCISE MESSAGE NUMBER 001  
NEAM CENALT TSUNAMI SERVICE PROVIDER  
ISSUED AT 0910Z 24 MAR 2026

... TSUNAMI WATCH ...  
THIS ALERT APPLIES TO BELGIUM ... CAPE VERDE ... DENMARK ... FRANCE ... GERMANY ...  
ICELAND ... IRELAND ... MAURITANIA ... MOROCCO ... NETHERLANDS ... NORWAY ... PORTUGAL ...  
SENEGAL ... SPAIN ... SWEDEN ... UNITED KINGDOM

... TSUNAMI INFORMATION ...  
THIS ALERT APPLIES TO ALBANIA ... ALGERIA ... BULGARIA ... CROATIA ... CYPRUS ... EGYPT ...  
ESTONIA ... FINLAND ... GEORGIA ... GREECE ... ISRAEL ... ITALY ... LEBANON ... LIBYA ... MALTA ...  
MONACO ... MONTENEGRO ... POLAND ... ROMANIA ... RUSSIAN FEDERATION ... SLOVENIA ... SYRIA  
... TUNISIA ... TURKEY ... UKRAINE

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0900Z 24 MAR 2026  
COORDINATES - 36.64 NORTH 11.80 WEST  
DEPTH - 5 KM  
LOCATION - AZORES CAPE ST. VINCENT RIDGE  
MAGNITUDE - 8.5

EVALUATION OF TSUNAMI WATCH

IT IS NOT KNOWN THAT A TSUNAMI WAS GENERATED.  
THIS WARNING IS BASED ONLY ON THE EARTHQUAKE EVALUATION.  
AN EARTHQUAKE OF THIS SIZE HAS THE POTENTIAL TO GENERATE A TSUNAMI  
THAT CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M  
AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M.  
AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS  
POSSIBILITY. THIS CENTER WILL MONITOR SEA LEVEL DATA FROM GAUGES NEAR  
THE EARTHQUAKE TO DETERMINE IF A TSUNAMI WAS GENERATED AND ESTIMATE  
THE SEVERITY OF THE THREAT.  
A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE  
LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY  
SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE  
TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE  
THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

EVALUATION OF TSUNAMI INFORMATION

BASED ON HISTORICAL EARTHQUAKE AND TSUNAMI MODELLING THERE IS NO  
THREAT THAT A TSUNAMI HAS BEEN GENERATED THAT CAN CAUSE DAMAGE OR  
MAJOR EFFECT IN THE REGION. THIS MESSAGE IS FOR INFORMATION ONLY.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN  
THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.  
LOCATION FORECAST POINT COORDINATES ARRIVAL TIME LEVEL (ADVISORY, WATCH)

-----  
PORTUGAL - CASCAIS 38.62N 9.72W 0923Z 24 MAR WATCH  
PORTUGAL - SAGRES 37.08N 8.90W 0934Z 24 MAR WATCH  
PORTUGAL - NAZARE 39.60N 9.05W 0947Z 24 MAR WATCH  
PORTUGAL - MADEIRA 33.05N 16.32W 0949Z 24 MAR WATCH  
PORTUGAL - ARMACAODEPERA 37.08N 8.37W 0953Z 24 MAR WATCH  
PORTUGAL - ANGRA 38.65N 27.22W 1102Z 24 MAR WATCH  
PORTUGAL - PONTADELGADA 37.73N 25.65W 1104Z 24 MAR WATCH  
PORTUGAL - FLORES 39.43N 31.10W 1140Z 24 MAR WATCH  
MOROCCO - JOURF-AL-ASFAR 33.13N 8.66W 1007Z 24 MAR WATCH  
MOROCCO - KENITRA 34.27N 6.70W 1008Z 24 MAR WATCH  
MOROCCO - RABAT 34.04N 6.84W 1008Z 24 MAR WATCH  
MOROCCO - CASABLANCA 33.62N 7.58W 1011Z 24 MAR WATCH  
MOROCCO - EL-JADIDA 33.26N 8.48W 1014Z 24 MAR WATCH  
MOROCCO - ESSAOUIRA 31.52N 9.79W 1014Z 24 MAR WATCH  
MOROCCO - SAFI 32.31N 9.27W 1014Z 24 MAR WATCH  
MOROCCO - MOHAMMADIA 33.74N 7.37W 1014Z 24 MAR WATCH  
MOROCCO - LAARCHE 35.21N 6.18W 1018Z 24 MAR WATCH  
MOROCCO - TANGER 35.79N 5.80W 1019Z 24 MAR WATCH  
MOROCCO - AGADIR 30.41N 9.65W 1035Z 24 MAR WATCH  
MOROCCO - SIDI-IFNI 29.36N 10.22W 1040Z 24 MAR WATCH  
MOROCCO - TARFAYA 27.95N 12.95W 1102Z 24 MAR WATCH  
MOROCCO - LAAYOUNE 27.09N 13.44W 1102Z 24 MAR WATCH  
MOROCCO - TANTAN 28.47N 11.37W 1109Z 24 MAR WATCH  
MOROCCO - BOUJDOUR 26.11N 14.50W 1115Z 24 MAR WATCH  
MOROCCO - SAIDIA 35.12N 2.29W 1132Z 24 MAR WATCH  
MOROCCO - DAKHELA 23.61N 16.16W 1218Z 24 MAR WATCH

MOROCCO - LAGUIRRA 20.84N 17.18W 1229Z 24 MAR WATCH  
SPAIN - VIGO 42.23N 8.71W 1024Z 24 MAR WATCH  
SPAIN - CADIZ 36.53N 6.29W 1024Z 24 MAR WATCH  
SPAIN - LASPALMAS 28.12N 15.43W 1027Z 24 MAR WATCH  
SPAIN - CEUTA 35.89N 5.32W 1028Z 24 MAR WATCH  
SPAIN - ALGECIRAS 36.18N 5.40W 1029Z 24 MAR WATCH  
SPAIN - SANTACRUZ 28.40N 16.25W 1032Z 24 MAR WATCH  
SPAIN - HUELVA 37.26N 6.95W 1037Z 24 MAR WATCH  
SPAIN - CORUNHA 43.37N 8.40W 1045Z 24 MAR WATCH  
SPAIN - MALAGA 36.72N 4.42W 1055Z 24 MAR WATCH  
SPAIN - ALMERIA 36.84N 2.47W 1115Z 24 MAR WATCH  
UNITED KINGDOM - GIBRALTAR 36.13N 5.37W 1026Z 24 MAR WATCH  
UNITED KINGDOM - UK2 47.00N 14.00W 1029Z 24 MAR WATCH  
UNITED KINGDOM - UK1 47.00N 10.00W 1032Z 24 MAR WATCH  
UNITED KINGDOM - UK3 60.00N 12.00W 1258Z 24 MAR WATCH  
UNITED KINGDOM - STMARYS 49.92N 6.32W 1300Z 24 MAR WATCH  
UNITED KINGDOM - NEWLYN 50.10N 5.55W 1315Z 24 MAR WATCH  
UNITED KINGDOM - UK4 62.00N 4.00W 1404Z 24 MAR WATCH  
UNITED KINGDOM - LERWICK 60.15N 1.13W 1535Z 24 MAR WATCH  
UNITED KINGDOM - ABERDEEN 57.15N 2.07W 1728Z 24 MAR WATCH  
UNITED KINGDOM - HARTLEPOOL 54.70N 1.20W 2017Z 24 MAR WATCH  
UNITED KINGDOM - WHITBY 54.48N 0.62W 2036Z 24 MAR WATCH  
FRANCE - BAYONNE 43.49N 1.56W 1121Z 24 MAR WATCH  
FRANCE - BISCAROSSE 44.45N 1.25W 1145Z 24 MAR WATCH  
FRANCE - LECONQUET 48.36N 4.78W 1213Z 24 MAR WATCH  
FRANCE - OLERON 46.01N 1.39W 1236Z 24 MAR WATCH  
FRANCE - LORIENT 47.73N 3.36W 1255Z 24 MAR WATCH  
FRANCE - SAINTNAZAIRE 47.27N 2.21W 1326Z 24 MAR WATCH  
FRANCE - CHERBOURG 49.65N 1.65W 1501Z 24 MAR WATCH  
FRANCE - LEHAVRE 49.49N 0.10E 1649Z 24 MAR WATCH  
FRANCE - CALAIS 50.96N 1.84E 1822Z 24 MAR WATCH  
IRELAND - CASTLETOWNBERRY 51.64N 9.90W 1216Z 24 MAR WATCH  
IRELAND - INISHKEA 54.13N 10.22W 1234Z 24 MAR WATCH  
IRELAND - BALLYCOTTON 51.83N 8.00W 1333Z 24 MAR WATCH  
IRELAND - MALINHEAD 55.37N 6.15W 1417Z 24 MAR WATCH  
IRELAND - DUNMORE 52.15N 6.99W 1423Z 24 MAR WATCH  
IRELAND - GALWAYPORT 53.27N 9.05W 1426Z 24 MAR WATCH  
IRELAND - DUBLINPORT 53.34N 6.15W 1639Z 24 MAR WATCH  
CAPE VERDE - PALMEIRA 16.79N 23.00W 1227Z 24 MAR WATCH  
CAPE VERDE - BRAVA 14.88N 24.76W 1247Z 24 MAR WATCH  
SENEGAL - DAKAR 14.74N 17.54W 1300Z 24 MAR WATCH  
MAURITANIA - NOUAKCHOTT 18.08N 15.98W 1311Z 24 MAR WATCH  
DENMARK - SUDERO 61.38N 6.69W 1347Z 24 MAR WATCH  
DENMARK - MYGGENEAS 62.12N 7.68W 1408Z 24 MAR WATCH  
DENMARK - THORSHVAN 62.02N 6.73W 1434Z 24 MAR WATCH  
DENMARK - KLAKSVIG 62.18N 6.61W 1444Z 24 MAR WATCH  
DENMARK - ANGMAGSALIK 65.58N 37.61W 1502Z 24 MAR WATCH  
DENMARK - NANORTALIK 60.12N 45.24W 1601Z 24 MAR WATCH  
DENMARK - SCORSBY-SUND 70.44N 22.25W 1625Z 24 MAR WATCH  
DENMARK - HIRTSHALS 57.71N 9.96E 1842Z 24 MAR WATCH  
DENMARK - COPENHAGEN 55.75N 12.67E 2234Z 24 MAR WATCH  
ICELAND - VIK 63.42N 19.01W 1349Z 24 MAR WATCH  
ICELAND - RAUFARHOFN 66.46N 15.82W 1609Z 24 MAR WATCH  
NORWAY - OLONKINBYEN 70.91N 8.69W 1600Z 24 MAR WATCH  
NORWAY - BLOMOY 60.53N 4.88E 1600Z 24 MAR WATCH  
NORWAY - FLORO 61.60N 5.03E 1614Z 24 MAR WATCH  
NORWAY - ROST 67.54N 12.11E 1637Z 24 MAR WATCH  
NORWAY - KARMOY 59.15N 5.25E 1650Z 24 MAR WATCH  
NORWAY - NORDSKAR 70.29N 19.16E 1700Z 24 MAR WATCH  
NORWAY - VARDØ 70.40N 31.17E 1925Z 24 MAR WATCH

SWEDEN - SW1 58.50N 11.00E 1845Z 24 MAR WATCH  
BELGIUM - OOSTENDE 51.21N 2.87E 2008Z 24 MAR WATCH  
NETHERLANDS - DOMBURG 51.56N 3.50E 2055Z 24 MAR WATCH  
NETHERLANDS - ZANDVOORT 52.38N 4.53E 2236Z 24 MAR WATCH  
GERMANY - WESTERLAND 54.92N 8.27E 2244Z 24 MAR WATCH  
GERMANY - HELGOLAND 54.18N 7.88E 2325Z 24 MAR WATCH  
GERMANY - NORDERNEY 53.70N 7.15E 2357Z 24 MAR WATCH  
GERMANY - ALTEWESERLT 53.87N 8.13E 0001Z 20 NOV WATCH  
GERMANY - BORKUM 53.55N 6.75E 0023Z 20 NOV WATCH  
GERMANY - CUXHAVEN 53.87N 8.72E 0105Z 20 NOV WATCH  
GERMANY - BUSUM 54.12N 8.87E 0146Z 20 NOV WATCH

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS.  
THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

**The 2<sup>nd</sup> message would be like :**

TSUNAMI EXERCISE MESSAGE NUMBER 002  
NEAM CENALT TSUNAMI SERVICE PROVIDER  
ISSUED AT 0945Z 24 MAR 2026

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO BELGIUM ... CAPE VERDE ... DENMARK ... FRANCE ... GERMANY ... ICELAND  
... IRELAND ... MAURITANIA ... MOROCCO ... NETHERLANDS ... NORWAY ... PORTUGAL ... SENEGAL ...  
SPAIN ... SWEDEN ... UNITED KINGDOM

... TSUNAMI INFORMATION ONGOING ...

THIS ALERT APPLIES TO ALBANIA ... ALGERIA ... BULGARIA ... CROATIA ... CYPRUS ... EGYPT ...  
ESTONIA ... FINLAND ... GEORGIA ... GREECE ... ISRAEL ... ITALY ... LEBANON ... LIBYA ... MALTA ...  
MONACO ... MONTENEGRO ... POLAND ... ROMANIA ... RUSSIAN FEDERATION ... SLOVENIA ... SYRIA  
... TUNISIA ... TURKEY ... UKRAINE

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL  
GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL  
STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0900Z 24 MAR 2026  
COORDINATES - 36.64 NORTH 11.80 WEST  
DEPTH - 5 KM  
LOCATION - AZORES CAPE ST. VINCENT RIDGE  
MAGNITUDE - 8.5

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN  
0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M.

THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE  
REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED.

AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY.

A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE  
LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY  
SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE  
TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE  
THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

EVALUATION OF TSUNAMI INFORMATION

BASED ON HISTORICAL EARTHQUAKE AND TSUNAMI MODELLING THERE IS NO  
THREAT THAT A TSUNAMI HAS BEEN GENERATED THAT CAN CAUSE DAMAGE OR  
MAJOR EFFECT IN THE REGION. THIS MESSAGE IS FOR INFORMATION ONLY.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR. LOCATION FORECAST POINT COORDINATES ARRIVAL TIME LEVEL (ADVISORY, WATCH)

-----  
PORTUGAL - CASCAIS 38.62N 9.72W 0923Z 24 MAR WATCH  
PORTUGAL - SAGRES 37.08N 8.90W 0934Z 24 MAR WATCH  
PORTUGAL - NAZARE 39.60N 9.05W 0947Z 24 MAR WATCH  
PORTUGAL - MADEIRA 33.05N 16.32W 0949Z 24 MAR WATCH  
PORTUGAL - ARMACAO DE PERA 37.08N 8.37W 0953Z 24 MAR WATCH  
PORTUGAL - ANGRA 38.65N 27.22W 1102Z 24 MAR WATCH  
PORTUGAL - PONTADELGADA 37.73N 25.65W 1104Z 24 MAR WATCH  
PORTUGAL - FLORES 39.43N 31.10W 1140Z 24 MAR WATCH  
MOROCCO - JOURF-AL-ASFAR 33.13N 8.66W 1007Z 24 MAR WATCH  
MOROCCO - KENITRA 34.27N 6.70W 1008Z 24 MAR WATCH  
MOROCCO - RABAT 34.04N 6.84W 1008Z 24 MAR WATCH  
MOROCCO - CASABLANCA 33.62N 7.58W 1011Z 24 MAR WATCH  
MOROCCO - EL-JADIDA 33.26N 8.48W 1014Z 24 MAR WATCH  
MOROCCO - ESSAOUIRA 31.52N 9.79W 1014Z 24 MAR WATCH  
MOROCCO - SAFI 32.31N 9.27W 1014Z 24 MAR WATCH  
MOROCCO - MOHAMMADIA 33.74N 7.37W 1014Z 24 MAR WATCH  
MOROCCO - LAARCHE 35.21N 6.18W 1018Z 24 MAR WATCH  
MOROCCO - TANGER 35.79N 5.80W 1019Z 24 MAR WATCH  
MOROCCO - AGADIR 30.41N 9.65W 1035Z 24 MAR WATCH  
MOROCCO - SIDI-IFNI 29.36N 10.22W 1040Z 24 MAR WATCH  
MOROCCO - TARFAYA 27.95N 12.95W 1102Z 24 MAR WATCH  
MOROCCO - LAAYOUNE 27.09N 13.44W 1102Z 24 MAR WATCH  
MOROCCO - TANTAN 28.47N 11.37W 1109Z 24 MAR WATCH  
MOROCCO - BOUJDOUR 26.11N 14.50W 1115Z 24 MAR WATCH  
MOROCCO - SAIDIA 35.12N 2.29W 1132Z 24 MAR WATCH  
MOROCCO - DAKHELA 23.61N 16.16W 1218Z 24 MAR WATCH  
MOROCCO - LAGOUIRRA 20.84N 17.18W 1229Z 24 MAR WATCH  
SPAIN - VIGO 42.23N 8.71W 1024Z 24 MAR WATCH  
SPAIN - CADIZ 36.53N 6.29W 1024Z 24 MAR WATCH  
SPAIN - LASPALMAS 28.12N 15.43W 1027Z 24 MAR WATCH  
SPAIN - CEUTA 35.89N 5.32W 1028Z 24 MAR WATCH  
SPAIN - ALGECIRAS 36.18N 5.40W 1029Z 24 MAR WATCH  
SPAIN - SANTACRUZ 28.40N 16.25W 1032Z 24 MAR WATCH  
SPAIN - HUELVA 37.26N 6.95W 1037Z 24 MAR WATCH  
SPAIN - CORUNHA 43.37N 8.40W 1045Z 24 MAR WATCH  
SPAIN - MALAGA 36.72N 4.42W 1055Z 24 MAR WATCH  
SPAIN - ALMERIA 36.84N 2.47W 1115Z 24 MAR WATCH  
UNITED KINGDOM - GIBRALTAR 36.13N 5.37W 1026Z 24 MAR WATCH  
UNITED KINGDOM - UK2 47.00N 14.00W 1029Z 24 MAR WATCH  
UNITED KINGDOM - UK1 47.00N 10.00W 1032Z 24 MAR WATCH  
UNITED KINGDOM - UK3 60.00N 12.00W 1258Z 24 MAR WATCH  
UNITED KINGDOM - STMARYS 49.92N 6.32W 1300Z 24 MAR WATCH  
UNITED KINGDOM - NEWLYN 50.10N 5.55W 1315Z 24 MAR WATCH  
UNITED KINGDOM - UK4 62.00N 4.00W 1404Z 24 MAR WATCH  
UNITED KINGDOM - LERWICK 60.15N 1.13W 1535Z 24 MAR WATCH  
UNITED KINGDOM - ABERDEEN 57.15N 2.07W 1728Z 24 MAR WATCH  
UNITED KINGDOM - HARTLEPOOL 54.70N 1.20W 2017Z 24 MAR WATCH  
UNITED KINGDOM - WHITBY 54.48N 0.62W 2036Z 24 MAR WATCH  
FRANCE - BAYONNE 43.49N 1.56W 1121Z 24 MAR WATCH  
FRANCE - BISCAROSSE 44.45N 1.25W 1145Z 24 MAR WATCH  
FRANCE - LECONQUET 48.36N 4.78W 1213Z 24 MAR WATCH  
FRANCE - OLERON 46.01N 1.39W 1236Z 24 MAR WATCH  
FRANCE - LORIENT 47.73N 3.36W 1255Z 24 MAR WATCH  
FRANCE - SAINTNAZAIRE 47.27N 2.21W 1326Z 24 MAR WATCH

FRANCE - CHERBOURG 49.65N 1.65W 1501Z 24 MAR WATCH  
FRANCE - LEHAVRE 49.49N 0.10E 1649Z 24 MAR WATCH  
FRANCE - CALAIS 50.96N 1.84E 1822Z 24 MAR WATCH  
IRELAND - CASTLETOWNBERE 51.64N 9.90W 1216Z 24 MAR WATCH  
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IRELAND - MALINHEAD 55.37N 6.15W 1417Z 24 MAR WATCH  
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IRELAND - GALWAYPORT 53.27N 9.05W 1426Z 24 MAR WATCH  
IRELAND - DUBLINPORT 53.34N 6.15W 1639Z 24 MAR WATCH  
CAPE VERDE - PALMEIRA 16.79N 23.00W 1227Z 24 MAR WATCH  
CAPE VERDE - BRAVA 14.88N 24.76W 1247Z 24 MAR WATCH  
SENEGAL - DAKAR 14.74N 17.54W 1300Z 24 MAR WATCH  
MAURITANIA - NOUAKCHOTT 18.08N 15.98W 1311Z 24 MAR WATCH  
DENMARK - SUDERO 61.38N 6.69W 1347Z 24 MAR WATCH  
DENMARK - MYGGENEAS 62.12N 7.68W 1408Z 24 MAR WATCH  
DENMARK - THORSHVAN 62.02N 6.73W 1434Z 24 MAR WATCH  
DENMARK - KLAKSIVIG 62.18N 6.61W 1444Z 24 MAR WATCH  
DENMARK - ANGMAGSALIK 65.58N 37.61W 1502Z 24 MAR WATCH  
DENMARK - NANORTALIK 60.12N 45.24W 1601Z 24 MAR WATCH  
DENMARK - SCORSBY-SUND 70.44N 22.25W 1625Z 24 MAR WATCH  
DENMARK - HIRTSHALS 57.71N 9.96E 1842Z 24 MAR WATCH  
DENMARK - COPENHAGEN 55.75N 12.67E 2234Z 24 MAR WATCH  
ICELAND - VIK 63.42N 19.01W 1349Z 24 MAR WATCH  
ICELAND - RAUFARHOFN 66.46N 15.82W 1609Z 24 MAR WATCH  
NORWAY - OLNKINBYEN 70.91N 8.69W 1600Z 24 MAR WATCH  
NORWAY - BLOMOY 60.53N 4.88E 1600Z 24 MAR WATCH  
NORWAY - FLORO 61.60N 5.03E 1614Z 24 MAR WATCH  
NORWAY - ROST 67.54N 12.11E 1637Z 24 MAR WATCH  
NORWAY - KARMOY 59.15N 5.25E 1650Z 24 MAR WATCH  
NORWAY - NORDSKAR 70.29N 19.16E 1700Z 24 MAR WATCH  
NORWAY - VARDØ 70.40N 31.17E 1925Z 24 MAR WATCH  
SWEDEN - SW1 58.50N 11.00E 1845Z 24 MAR WATCH  
BELGIUM - OOSTENDE 51.21N 2.87E 2008Z 24 MAR WATCH  
NETHERLANDS - DOMBURG 51.56N 3.50E 2055Z 24 MAR WATCH  
NETHERLANDS - ZANDVOORT 52.38N 4.53E 2236Z 24 MAR WATCH  
GERMANY - WESTERLAND 54.92N 8.27E 2244Z 24 MAR WATCH  
GERMANY - HELGOLAND 54.18N 7.88E 2325Z 24 MAR WATCH  
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GERMANY - BORKUM 53.55N 6.75E 0023Z 20 NOV WATCH  
GERMANY - CUXHAVEN 53.87N 8.72E 0105Z 20 NOV WATCH  
GERMANY - BUSUM 54.12N 8.87E 0146Z 20 NOV WATCH

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY  
GAUGE LOCATION LAT LON TIME AMPL PER

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IGCAS 38.69N 9.42W 0938Z 6.99M 24MIN (Cascais)-

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS.  
THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

**The 3rd message would be like :**

TSUNAMI EXERCISE MESSAGE NUMBER 003  
NEAM CENALT TSUNAMI SERVICE PROVIDER  
ISSUED AT 1100Z 24 MAR 2026

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO BELGIUM ... CAPE VERDE ... DENMARK ... FRANCE ... GERMANY ... ICELAND

... IRELAND ... MAURITANIA ... MOROCCO ... NETHERLANDS ... NORWAY ... PORTUGAL ... SENEGAL ...  
SPAIN ... SWEDEN ... UNITED KINGDOM

... TSUNAMI INFORMATION ONGOING ...

THIS ALERT APPLIES TO ALBANIA ... ALGERIA ... BULGARIA ... CROATIA ... CYPRUS ... EGYPT ...  
ESTONIA ... FINLAND ... GEORGIA ... GREECE ... ISRAEL ... ITALY ... LEBANON ... LIBYA ... MALTA ...  
MONACO ... MONTENEGRO ... POLAND ... ROMANIA ... RUSSIAN FEDERATION ... SLOVENIA ... SYRIA  
... TUNISIA ... TURKEY ... UKRAINE

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GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL  
STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0900Z 24 MAR 2026

COORDINATES - 36.64 NORTH 11.80 WEST

DEPTH - 5 KM

LOCATION - AZORES CAPE ST. VINCENT RIDGE

MAGNITUDE - 8.5

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN  
0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M.

THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE  
REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED.

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SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE  
TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE  
THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

EVALUATION OF TSUNAMI INFORMATION

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ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN  
THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.  
LOCATION FORECAST POINT COORDINATES ARRIVAL TIME LEVEL (ADVISORY, WATCH)

-----  
PORTUGAL - CASCAIS 38.62N 9.72W 0923Z 24 MAR WATCH  
PORTUGAL - SAGRES 37.08N 8.90W 0934Z 24 MAR WATCH  
PORTUGAL - NAZARE 39.60N 9.05W 0947Z 24 MAR WATCH  
PORTUGAL - MADEIRA 33.05N 16.32W 0949Z 24 MAR WATCH  
PORTUGAL - ARMACAODEPERA 37.08N 8.37W 0953Z 24 MAR WATCH  
PORTUGAL - ANGRA 38.65N 27.22W 1102Z 24 MAR WATCH  
PORTUGAL - PONTADELGADA 37.73N 25.65W 1104Z 24 MAR WATCH  
PORTUGAL - FLORES 39.43N 31.10W 1140Z 24 MAR WATCH  
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MOROCCO - KENITRA 34.27N 6.70W 1008Z 24 MAR WATCH  
MOROCCO - RABAT 34.04N 6.84W 1008Z 24 MAR WATCH  
MOROCCO - CASABLANCA 33.62N 7.58W 1011Z 24 MAR WATCH  
MOROCCO - EL-JADIDA 33.26N 8.48W 1014Z 24 MAR WATCH  
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MOROCCO - SAFI 32.31N 9.27W 1014Z 24 MAR WATCH  
MOROCCO - MOHAMMADIA 33.74N 7.37W 1014Z 24 MAR WATCH

MOROCCO - LAARCHE 35.21N 6.18W 1018Z 24 MAR WATCH  
MOROCCO - TANGER 35.79N 5.80W 1019Z 24 MAR WATCH  
MOROCCO - AGADIR 30.41N 9.65W 1035Z 24 MAR WATCH  
MOROCCO - SIDI-IFNI 29.36N 10.22W 1040Z 24 MAR WATCH  
MOROCCO - TARFAYA 27.95N 12.95W 1102Z 24 MAR WATCH  
MOROCCO - LAAYOUNE 27.09N 13.44W 1102Z 24 MAR WATCH  
MOROCCO - TANTAN 28.47N 11.37W 1109Z 24 MAR WATCH  
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SPAIN - CEUTA 35.89N 5.32W 1028Z 24 MAR WATCH  
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UNITED KINGDOM - UK3 60.00N 12.00W 1258Z 24 MAR WATCH  
UNITED KINGDOM - STMARYS 49.92N 6.32W 1300Z 24 MAR WATCH  
UNITED KINGDOM - NEWLYN 50.10N 5.55W 1315Z 24 MAR WATCH  
UNITED KINGDOM - UK4 62.00N 4.00W 1404Z 24 MAR WATCH  
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CAPE VERDE - BRAVA 14.88N 24.76W 1247Z 24 MAR WATCH  
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DENMARK - SUDERO 61.38N 6.69W 1347Z 24 MAR WATCH  
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DENMARK - ANGMAGSALIK 65.58N 37.61W 1502Z 24 MAR WATCH  
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NORWAY - OOLONKINBYEN 70.91N 8.69W 1600Z 24 MAR WATCH  
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NORWAY - VARDØ 70.40N 31.17E 1925Z 24 MAR WATCH  
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NETHERLANDS - DOMBURG 51.56N 3.50E 2055Z 24 MAR WATCH  
NETHERLANDS - ZANDVOORT 52.38N 4.53E 2236Z 24 MAR WATCH  
GERMANY - WESTERLAND 54.92N 8.27E 2244Z 24 MAR WATCH  
GERMANY - HELGOLAND 54.18N 7.88E 2325Z 24 MAR WATCH  
GERMANY - NORDERNEY 53.70N 7.15E 2357Z 24 MAR WATCH  
GERMANY - ALTEWESERLT 53.87N 8.13E 0001Z 20 NOV WATCH  
GERMANY - BORKUM 53.55N 6.75E 0023Z 20 NOV WATCH  
GERMANY - CUXHAVEN 53.87N 8.72E 0105Z 20 NOV WATCH  
GERMANY - BUSUM 54.12N 8.87E 0146Z 20 NOV WATCH

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY  
GAUGE LOCATION LAT LON TIME AMPL PER

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IGCAS 38.69N 9.42W 0938Z 0.10M 6MIN (Cascais)-  
IHFUL 32.64N 16.91W 1000Z 1.60M 12MIN (Funchal)-  
IHSMA 36.95N 25.15W 1043Z 7.00M 15MIN (Santa Maria, Azores)-

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS.  
THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

**The 4th message would be like :**

TSUNAMI EXERCISE MESSAGE NUMBER 004  
NEAM CENALT TSUNAMI SERVICE PROVIDER  
ISSUED AT 1310Z 24 MAR 2026

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO BELGIUM ... CAPE VERDE ... DENMARK ... FRANCE ... GERMANY ... ICELAND  
... IRELAND ... MAURITANIA ... MOROCCO ... NETHERLANDS ... NORWAY ... PORTUGAL ... SENEGAL ...  
SPAIN ... SWEDEN ... UNITED KINGDOM

... TSUNAMI INFORMATION ONGOING ...

THIS ALERT APPLIES TO ALBANIA ... ALGERIA ... BULGARIA ... CROATIA ... CYPRUS ... EGYPT ...  
ESTONIA ... FINLAND ... GEORGIA ... GREECE ... ISRAEL ... ITALY ... LEBANON ... LIBYA ... MALTA ...  
MONACO ... MONTENEGRO ... POLAND ... ROMANIA ... RUSSIAN FEDERATION ... SLOVENIA ... SYRIA  
... TUNISIA ... TURKEY ... UKRAINE

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL  
GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL  
STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0900Z 24 MAR 2026  
COORDINATES - 36.64 NORTH 11.80 WEST  
DEPTH - 5 KM  
LOCATION - AZORES CAPE ST. VINCENT RIDGE  
MAGNITUDE - 8.5

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M.  
THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED.  
AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY.  
A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

#### EVALUATION OF TSUNAMI INFORMATION

BASED ON HISTORICAL EARTHQUAKE AND TSUNAMI MODELLING THERE IS NO THREAT THAT A TSUNAMI HAS BEEN GENERATED THAT CAN CAUSE DAMAGE OR MAJOR EFFECT IN THE REGION. THIS MESSAGE IS FOR INFORMATION ONLY.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.  
LOCATION FORECAST POINT COORDINATES ARRIVAL TIME LEVEL (ADVISORY, WATCH)

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PORTUGAL - CASCAIS 38.62N 9.72W 0923Z 24 MAR WATCH  
PORTUGAL - SAGRES 37.08N 8.90W 0934Z 24 MAR WATCH  
PORTUGAL - NAZARE 39.60N 9.05W 0947Z 24 MAR WATCH  
PORTUGAL - MADEIRA 33.05N 16.32W 0949Z 24 MAR WATCH  
PORTUGAL - ARMACAODEPERA 37.08N 8.37W 0953Z 24 MAR WATCH  
PORTUGAL - ANGRA 38.65N 27.22W 1102Z 24 MAR WATCH  
PORTUGAL - PONTADELGADA 37.73N 25.65W 1104Z 24 MAR WATCH  
PORTUGAL - FLORES 39.43N 31.10W 1140Z 24 MAR WATCH  
MOROCCO - JOURF-AL-ASFAR 33.13N 8.66W 1007Z 24 MAR WATCH  
MOROCCO - KENITRA 34.27N 6.70W 1008Z 24 MAR WATCH  
MOROCCO - RABAT 34.04N 6.84W 1008Z 24 MAR WATCH  
MOROCCO - CASABLANCA 33.62N 7.58W 1011Z 24 MAR WATCH  
MOROCCO - EL-JADIDA 33.26N 8.48W 1014Z 24 MAR WATCH  
MOROCCO - ESSAOUIRA 31.52N 9.79W 1014Z 24 MAR WATCH  
MOROCCO - SAFI 32.31N 9.27W 1014Z 24 MAR WATCH  
MOROCCO - MOHAMMADIA 33.74N 7.37W 1014Z 24 MAR WATCH  
MOROCCO - LAARCHE 35.21N 6.18W 1018Z 24 MAR WATCH  
MOROCCO - TANGER 35.79N 5.80W 1019Z 24 MAR WATCH  
MOROCCO - AGADIR 30.41N 9.65W 1035Z 24 MAR WATCH  
MOROCCO - SIDI-IFNI 29.36N 10.22W 1040Z 24 MAR WATCH  
MOROCCO - TARFAYA 27.95N 12.95W 1102Z 24 MAR WATCH  
MOROCCO - LAAYOUNE 27.09N 13.44W 1102Z 24 MAR WATCH  
MOROCCO - TANTAN 28.47N 11.37W 1109Z 24 MAR WATCH  
MOROCCO - BOUJDOUR 26.11N 14.50W 1115Z 24 MAR WATCH  
MOROCCO - SAIDIA 35.12N 2.29W 1132Z 24 MAR WATCH  
MOROCCO - DAKHELA 23.61N 16.16W 1218Z 24 MAR WATCH  
MOROCCO - LAGUIRRA 20.84N 17.18W 1229Z 24 MAR WATCH  
SPAIN - VIGO 42.23N 8.71W 1024Z 24 MAR WATCH  
SPAIN - CADIZ 36.53N 6.29W 1024Z 24 MAR WATCH  
SPAIN - LASPALMAS 28.12N 15.43W 1027Z 24 MAR WATCH  
SPAIN - CEUTA 35.89N 5.32W 1028Z 24 MAR WATCH  
SPAIN - ALGECIRAS 36.18N 5.40W 1029Z 24 MAR WATCH  
SPAIN - SANTACRUZ 28.40N 16.25W 1032Z 24 MAR WATCH  
SPAIN - HUELVA 37.26N 6.95W 1037Z 24 MAR WATCH  
SPAIN - CORUNHA 43.37N 8.40W 1045Z 24 MAR WATCH  
SPAIN - MALAGA 36.72N 4.42W 1055Z 24 MAR WATCH  
SPAIN - ALMERIA 36.84N 2.47W 1115Z 24 MAR WATCH

UNITED KINGDOM - GIBRALTAR 36.13N 5.37W 1026Z 24 MAR WATCH  
UNITED KINGDOM - UK2 47.00N 14.00W 1029Z 24 MAR WATCH  
UNITED KINGDOM - UK1 47.00N 10.00W 1032Z 24 MAR WATCH  
UNITED KINGDOM - UK3 60.00N 12.00W 1258Z 24 MAR WATCH  
UNITED KINGDOM - STMARYS 49.92N 6.32W 1300Z 24 MAR WATCH  
UNITED KINGDOM - NEWLYN 50.10N 5.55W 1315Z 24 MAR WATCH  
UNITED KINGDOM - UK4 62.00N 4.00W 1404Z 24 MAR WATCH  
UNITED KINGDOM - LERWICK 60.15N 1.13W 1535Z 24 MAR WATCH  
UNITED KINGDOM - ABERDEEN 57.15N 2.07W 1728Z 24 MAR WATCH  
UNITED KINGDOM - HARTLEPOOL 54.70N 1.20W 2017Z 24 MAR WATCH  
UNITED KINGDOM - WHITBY 54.48N 0.62W 2036Z 24 MAR WATCH  
FRANCE - BAYONNE 43.49N 1.56W 1121Z 24 MAR WATCH  
FRANCE - BISCAROSSE 44.45N 1.25W 1145Z 24 MAR WATCH  
FRANCE - LECONQUET 48.36N 4.78W 1213Z 24 MAR WATCH  
FRANCE - OLERON 46.01N 1.39W 1236Z 24 MAR WATCH  
FRANCE - LORIENT 47.73N 3.36W 1255Z 24 MAR WATCH  
FRANCE - SAINTNAZAIRE 47.27N 2.21W 1326Z 24 MAR WATCH  
FRANCE - CHERBOURG 49.65N 1.65W 1501Z 24 MAR WATCH  
FRANCE - LEHAVRE 49.49N 0.10E 1649Z 24 MAR WATCH  
FRANCE - CALAIS 50.96N 1.84E 1822Z 24 MAR WATCH  
IRELAND - CASTLETOWNBERE 51.64N 9.90W 1216Z 24 MAR WATCH  
IRELAND - INISHKEA 54.13N 10.22W 1234Z 24 MAR WATCH  
IRELAND - BALLYCOTTON 51.83N 8.00W 1333Z 24 MAR WATCH  
IRELAND - MALINHEAD 55.37N 6.15W 1417Z 24 MAR WATCH  
IRELAND - DUNMORE 52.15N 6.99W 1423Z 24 MAR WATCH  
IRELAND - GALWAYPORT 53.27N 9.05W 1426Z 24 MAR WATCH  
IRELAND - DUBLINPORT 53.34N 6.15W 1639Z 24 MAR WATCH  
CAPE VERDE - PALMEIRA 16.79N 23.00W 1227Z 24 MAR WATCH  
CAPE VERDE - BRAVA 14.88N 24.76W 1247Z 24 MAR WATCH  
SENEGAL - DAKAR 14.74N 17.54W 1300Z 24 MAR WATCH  
MAURITANIA - NOUAKCHOTT 18.08N 15.98W 1311Z 24 MAR WATCH  
DENMARK - SUDERO 61.38N 6.69W 1347Z 24 MAR WATCH  
DENMARK - MYGGENEAS 62.12N 7.68W 1408Z 24 MAR WATCH  
DENMARK - THORSHVAN 62.02N 6.73W 1434Z 24 MAR WATCH  
DENMARK - KLAKSIVIG 62.18N 6.61W 1444Z 24 MAR WATCH  
DENMARK - ANGMAGSALIK 65.58N 37.61W 1502Z 24 MAR WATCH  
DENMARK - NANORTALIK 60.12N 45.24W 1601Z 24 MAR WATCH  
DENMARK - SCORSBY-SUND 70.44N 22.25W 1625Z 24 MAR WATCH  
DENMARK - HIRTSHALS 57.71N 9.96E 1842Z 24 MAR WATCH  
DENMARK - COPENHAGEN 55.75N 12.67E 2234Z 24 MAR WATCH  
ICELAND - VIK 63.42N 19.01W 1349Z 24 MAR WATCH  
ICELAND - RAUFARHOFN 66.46N 15.82W 1609Z 24 MAR WATCH  
NORWAY - OLNKINBYEN 70.91N 8.69W 1600Z 24 MAR WATCH  
NORWAY - BLOMOY 60.53N 4.88E 1600Z 24 MAR WATCH  
NORWAY - FLORO 61.60N 5.03E 1614Z 24 MAR WATCH  
NORWAY - ROST 67.54N 12.11E 1637Z 24 MAR WATCH  
NORWAY - KARMOY 59.15N 5.25E 1650Z 24 MAR WATCH  
NORWAY - NORDSKAR 70.29N 19.16E 1700Z 24 MAR WATCH  
NORWAY - VARDØ 70.40N 31.17E 1925Z 24 MAR WATCH  
SWEDEN - SW1 58.50N 11.00E 1845Z 24 MAR WATCH  
BELGIUM - OOSTENDE 51.21N 2.87E 2008Z 24 MAR WATCH  
NETHERLANDS - DOMBURG 51.56N 3.50E 2055Z 24 MAR WATCH  
NETHERLANDS - ZANDVOORT 52.38N 4.53E 2236Z 24 MAR WATCH  
GERMANY - WESTERLAND 54.92N 8.27E 2244Z 24 MAR WATCH  
GERMANY - HELGOLAND 54.18N 7.88E 2325Z 24 MAR WATCH  
GERMANY - NORDERNEY 53.70N 7.15E 2357Z 24 MAR WATCH  
GERMANY - ALTEWESERLT 53.87N 8.13E 0001Z 20 NOV WATCH  
GERMANY - BORKUM 53.55N 6.75E 0023Z 20 NOV WATCH  
GERMANY - CUXHAVEN 53.87N 8.72E 0105Z 20 NOV WATCH  
GERMANY - BUSUM 54.12N 8.87E 0146Z 20 NOV WATCH

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY  
GAUGE LOCATION LAT LON TIME AMPL PER

-----  
IGCAS 38.69N 9.42W 0938Z 7.00M 24MIN (Cascais)-  
IHFUL 32.64N 16.91W 1000Z 1.60M 12MIN (Funchal)-  
IHSMA 36.95N 25.15W 1043Z 7.00M 15MIN (Santa Maria, Azores)-  
SCOA 43.40N 1.68W 1122Z 0.41M 34MIN (Socoa (Saint-Jean-de-Luz))-  
BOUC 43.53N 1.52W 1125Z 0.41M 35MIN (Boucau-Bayonne)-  
MIMZ 44.21N 1.30W 1145Z 0.27 23MIN (Mimizan)-  
AUDI 48.02N 4.54W 1200Z 0.61M 23MIN (Audierne)-  
CONC2 47.87N 3.91W 1213Z 0.57M 76MIN (Concarneau)-  
LECO 48.36N 4.78W 1215Z 0.66M 31MIN (Le Conquet)-  
TUDY 47.64N 3.45W 1215Z 0.90M 72MIN (Port Tudy)-  
BRES 48.38N 4.50W 1219Z 0.66M 32MIN (Brest-Penfeld)-  
LARP2 46.16N 1.22W 1252Z 0.17M 34MIN (La Rochelle - La Pallice)

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS.  
THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

**The end of message would be like :**

TSUNAMI EXERCISE MESSAGE NUMBER 005  
NEAM CENALT TSUNAMI SERVICE PROVIDER  
ISSUED AT 1330Z 24 MAR 2026

... END OF TSUNAMI WATCH ...

THIS ALERT APPLIES TO BELGIUM ... CAPE VERDE ... DENMARK ... FRANCE ... GERMANY ... ICELAND  
... IRELAND ... MAURITANIA ... MOROCCO ... NETHERLANDS ... NORWAY ... PORTUGAL ... SENEGAL ...  
SPAIN ... SWEDEN ... UNITED KINGDOM

... END OF TSUNAMI INFORMATION ...

THIS ALERT APPLIES TO ALBANIA ... ALGERIA ... BULGARIA ... CROATIA ... CYPRUS ... EGYPT ...  
ESTONIA ... FINLAND ... GEORGIA ... GREECE ... ISRAEL ... ITALY ... LEBANON ... LIBYA ... MALTA ...  
MONACO ... MONTENEGRO ... POLAND ... ROMANIA ... RUSSIAN FEDERATION ... SLOVENIA ... SYRIA  
... TUNISIA ... TURKEY ... UKRAINE

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL  
GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL  
STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0900Z 24 MAR 2026  
COORDINATES - 36.64 NORTH 11.80 WEST  
DEPTH - 5 KM  
LOCATION - AZORES CAPE ST. VINCENT RIDGE  
MAGNITUDE - 8.5

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

OBSERVATIONS AND MODELS INDICATE THAT NO MORE TSUNAMI WAVES ARE  
EXPECTED.

WHEN NO MAJOR WAVES ARE OBSERVED FOR TWO HOURS AFTER THE  
ESTIMATED TIME OF ARRIVAL OR DAMAGING WAVES HAVE NOT OCCURRED FOR  
AT LEAST TWO HOURS THEN LOCAL AUTHORITIES CAN ASSUME THE THREAT IS  
PASSED. DANGER TO BOATS AND COASTAL STRUCTURES CAN CONTINUE FOR  
SEVERAL HOURS DUE TO THE CONTINUING SEA LEVEL CHANGES AND RAPID  
CURRENTS. AS LOCAL CONDITIONS CAN CAUSE A WIDE VARIATION IN TSUNAMI  
WAVE ACTION THE ALL CLEAR DETERMINATION MUST BE MADE BY LOCAL  
AUTHORITIES.

EVALUATION OF TSUNAMI INFORMATION

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
OBSERVATIONS AND MODELS INDICATE THAT NO MORE TSUNAMI WAVES ARE EXPECTED.

WHEN NO MAJOR WAVES ARE OBSERVED FOR TWO HOURS AFTER THE ESTIMATED TIME OF ARRIVAL OR DAMAGING WAVES HAVE NOT OCCURRED FOR AT LEAST TWO HOURS THEN LOCAL AUTHORITIES CAN ASSUME THE THREAT IS PASSED. DANGER TO BOATS AND COASTAL STRUCTURES CAN CONTINUE FOR SEVERAL HOURS DUE TO THE CONTINUING SEA LEVEL CHANGES AND RAPID CURRENTS. AS LOCAL CONDITIONS CAN CAUSE A WIDE VARIATION IN TSUNAMI WAVE ACTION THE ALL CLEAR DETERMINATION MUST BE MADE BY LOCAL AUTHORITIES.

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY  
GAUGE LOCATION LAT LON TIME AMPL PER

-----  
IGCAS 38.69N 9.42W 0938Z 7.00M 24MIN (Cascais)-  
IHFUL 32.64N 16.91W 1000Z 1.60M 12MIN (Funchal)-  
IHSMA 36.95N 25.15W 1043Z 7.00M 15MIN (Santa Maria, Azores)-  
SCOA 43.40N 1.68W 1122Z 0.41M 34MIN (Socoa (Saint-Jean-de-Luz))-  
BOUC 43.53N 1.52W 1125Z 0.41M 35MIN (Boucau-Bayonne)-  
MIMZ 44.21N 1.30W 1145Z 0.27 23MIN (Mimizan)-  
AUDI 48.02N 4.54W 1200Z 0.61M 23MIN (Audierne)-  
CONC2 47.87N 3.91W 1213Z 0.57M 76MIN (Concarneau)-  
LECO 48.36N 4.78W 1215Z 0.66M 31MIN (Le Conquet)-  
TUDY 47.64N 3.45W 1215Z 0.90M 72MIN (Port Tudy)-  
BRES 48.38N 4.50W 1219Z 0.66M 32MIN (Brest-Penfeld)-  
LARP2 46.16N 1.22W 1252Z 0.17M 34MIN (La Rochelle - La Pallice)

THIS WILL BE THE FINAL MESSAGE ISSUED FOR THIS EVENT UNLESS ADDITIONAL INFORMATION BECOMES AVAILABLE.

**TSP IPMA EXERCISE MESSAGES**

**The 1st message would be like:**

TSUNAMI EXERCISE MESSAGE NUMBER 001  
NEAM IPMA TSUNAMI SERVICE PROVIDER  
ISSUED AT 0908Z 24 MAR 2026

... TSUNAMI WATCH ...  
THIS ALERT APPLIES TO BELGIUM ... CAPE VERDE ... DENMARK ... FRANCE ... GERMANY  
... ICELAND ... IRELAND ... MAURITANIA ... MOROCCO ... NETHERLANDS ... NORWAY ...  
PORTUGAL ... SPAIN ... SWEDEN ... UNITED KINGDOM

... TSUNAMI INFORMATION ...  
THIS INFORMATION APPLIES TO ALGERIA ... ALBANIA ... BULGARIA ... CROATIA ... CYPRUS  
... EGYPT ... ESTONIA ... FINLAND ... GEORGIA ... GREECE ... ISRAEL ... ITALY ...  
LEBANON ... LIBYA ... LITHUANIA ... MALTA ... MONACO ... MONTENEGRO ... POLAND ...  
ROMANIA ... RUSSIAN FEDERATION ... SLOVENIA ... SWEDEN ... SYRIA ... TUNISIA ...  
TURKEY ... UKRAINE ... UNESCO ... ERCC

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
 ORIGIN TIME - 0900Z 24 MAR 2026  
 COORDINATES - 36.64 NORTH 11.80 WEST  
 DEPTH - 5 KM  
 LOCATION - Azores-Cape St. Vincent Ridge  
 MAGNITUDE - 8.5

EVALUATION OF TSUNAMI WATCH

IT IS NOT KNOWN THAT A TSUNAMI WAS GENERATED. THIS WARNING IS  
 BASED ONLY ON THE EARTHQUAKE EVALUATION.

AN EARTHQUAKE OF THIS SIZE HAS THE POTENTIAL TO GENERATE A TSUNAMI  
 THAT CAN STRIKE COASTLINES WITH WAVE HEIGHT GREATER THAN 0.5M  
 AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M.

AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS  
 POSSIBILITY. THIS CENTER WILL MONITOR SEA LEVEL DATA FROM GAUGES NEAR  
 THE EARTHQUAKE TO DETERMINE IF A TSUNAMI WAS GENERATED AND ESTIMATE  
 THE SEVERITY OF THE THREAT.

A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE  
 LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY  
 SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE  
 TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE  
 THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

EVALUATION OF TSUNAMI INFORMATION

BASED ON HISTORICAL EARTHQUAKE AND TSUNAMI MODELLING THERE IS NO  
 THREAT THAT A TSUNAMI HAS BEEN GENERATED THAT CAN CAUSE DAMAGE OR  
 MAJOR EFFECT IN THE REGION. THIS MESSAGE IS FOR INFORMATION ONLY.

ESTIMATED INITIAL TSUNAMI ARRIVAL TIMES AT FORECAST POINTS WITHIN  
 THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE  
 HOUR.

LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL (ADVISORY, WATCH)

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PORTUGAL	- CASCAIS	38.68N	9.45W	0932Z	24	MAR 2026	WATCH
PORTUGAL	- SAGRES	37.00N	8.94W	0933Z	24	MAR 2026	WATCH
PORTUGAL	- MADEIRA	33.05N	16.32W	0951Z	24	MAR 2026	WATCH
PORTUGAL	- NAZARE	39.60N	9.09W	0955Z	24	MAR 2026	WATCH
PORTUGAL	- ARMACAO DE PERA	37.07N	8.37W	0955Z	24	MAR 2026	WATCH
PORTUGAL	- PONTA DELGADA	37.67N	25.65W	1045Z	24	MAR 2026	WATCH
PORTUGAL	- ANGRA	38.62N	27.00W	1054Z	24	MAR 2026	WATCH
PORTUGAL	- FLORES	39.43N	31.05W	1134Z	24	MAR 2026	WATCH
MOROCCO	- EL JADIDA	33.25N	8.50W	1003Z	24	MAR 2026	WATCH
MOROCCO	- SAFIM	32.31N	9.25W	1007Z	24	MAR 2026	WATCH
MOROCCO	- RABAT	34.03N	6.83W	1008Z	24	MAR 2026	WATCH
MOROCCO	- CASABLANCA	33.61N	7.59W	1014Z	24	MAR 2026	WATCH
MOROCCO	- MOGADOR	31.51N	9.77W	1015Z	24	MAR 2026	WATCH
MOROCCO	- MOHAMMEDIA	33.72N	7.39W	1015Z	24	MAR 2026	WATCH
MOROCCO	- TANGER	35.78N	5.81W	1019Z	24	MAR 2026	WATCH
MOROCCO	- AGADIR	30.42N	9.63W	1035Z	24	MAR 2026	WATCH
MOROCCO	- SIDI IFNI	29.36N	10.19W	1045Z	24	MAR 2026	WATCH
MOROCCO	- PORT EL AAIUN	27.09N	13.42W	1100Z	24	MAR 2026	WATCH
MOROCCO	- AL HOCEIMA	35.25N	3.92W	1101Z	24	MAR 2026	WATCH
MOROCCO	- BOUJDOUR	26.11N	14.49W	1118Z	24	MAR 2026	WATCH
MOROCCO	- LAGOUIRA	20.83N	17.09W	1235Z	24	MAR 2026	WATCH
MOROCCO	- DAKHLA	23.69N	15.94W	1309Z	24	MAR 2026	WATCH
SPAIN	- LAS PALMAS	28.15N	15.33W	1026Z	24	MAR 2026	WATCH
SPAIN	- CEUTA	35.89N	5.32W	1026Z	24	MAR 2026	WATCH
SPAIN	- HUELVA	37.16N	6.97W	1029Z	24	MAR 2026	WATCH
SPAIN	- CADIZ	36.53N	6.29W	1030Z	24	MAR 2026	WATCH

SPAIN	-	ALGECIRAS	36.13N	5.40W	1031Z	24	MAR	2026	WATCH
SPAIN	-	SANTA CRUZ	28.47N	16.19W	1032Z	24	MAR	2026	WATCH
SPAIN	-	VIGO	42.24N	8.81W	1037Z	24	MAR	2026	WATCH
SPAIN	-	CORUNHA	43.43N	8.40W	1044Z	24	MAR	2026	WATCH
SPAIN	-	MALAGA	36.66N	4.40W	1054Z	24	MAR	2026	WATCH
SPAIN	-	ALMERIA	36.84N	2.47W	1116Z	24	MAR	2026	WATCH
UNITED KINGDOM-		OFF-SHORE SITE2	47.00N	14.00W	1028Z	24	MAR	2026	WATCH
UNITED KINGDOM-		GIBRALTAR	36.13N	5.35W	1029Z	24	MAR	2026	WATCH
UNITED KINGDOM-		OFF-SHORE SITE1	47.00N	10.00W	1032Z	24	MAR	2026	WATCH
UNITED KINGDOM-		ST MARY'S	49.92N	6.32W	1249Z	24	MAR	2026	WATCH
UNITED KINGDOM-		OFF-SHORE SITE3	60.00N	12.00W	1258Z	24	MAR	2026	WATCH
UNITED KINGDOM-		NEWLYN	50.10N	5.55W	1313Z	24	MAR	2026	WATCH
UNITED KINGDOM-		OFF-SHORE SITE4	62.00N	4.00W	1403Z	24	MAR	2026	WATCH
UNITED KINGDOM-		LERWICK	60.15N	1.13W	1526Z	24	MAR	2026	WATCH
UNITED KINGDOM-		WHITBY	54.48N	0.62W	2023Z	24	MAR	2026	WATCH
FRANCE	-	BAYONNE	43.51N	1.60W	1131Z	24	MAR	2026	WATCH
FRANCE	-	BISCARROSSE	44.45N	1.34W	1139Z	24	MAR	2026	WATCH
FRANCE	-	LE CONQUET	48.35N	4.83W	1206Z	24	MAR	2026	WATCH
FRANCE	-	LORIENT	47.66N	3.39W	1214Z	24	MAR	2026	WATCH
FRANCE	-	OLERON	46.02N	1.41W	1235Z	24	MAR	2026	WATCH
FRANCE	-	SAINT-NAZAIRE	47.24N	2.26W	1317Z	24	MAR	2026	WATCH
FRANCE	-	CHERBOURG	49.67N	1.65W	1507Z	24	MAR	2026	WATCH
FRANCE	-	LE HAVRE	49.48N	0.08E	1657Z	24	MAR	2026	WATCH
FRANCE	-	CALAIS	51.00N	1.84E	1839Z	24	MAR	2026	WATCH
IRELAND	-	CASTLETOWNBERE	51.65N	9.91W	1212Z	24	MAR	2026	WATCH
IRELAND	-	BALLYCOTTON	51.83N	8.00W	1329Z	24	MAR	2026	WATCH
IRELAND	-	MALIN HEAD	55.35N	7.35W	1336Z	24	MAR	2026	WATCH
IRELAND	-	GALWAY PORT	53.26N	9.04W	1414Z	24	MAR	2026	WATCH
IRELAND	-	DUNMORE	52.14N	7.00W	1423Z	24	MAR	2026	WATCH
IRELAND	-	DUBLIN PORT	53.35N	6.16W	1642Z	24	MAR	2026	WATCH
DENMARK	-	SUDERO	61.38N	6.69W	1348Z	24	MAR	2026	WATCH
DENMARK	-	MYKKINES	62.12N	7.68W	1407Z	24	MAR	2026	WATCH
DENMARK	-	THORSHVAN	62.02N	6.73W	1427Z	24	MAR	2026	WATCH
DENMARK	-	KLAKSVIG	62.18N	6.61W	1440Z	24	MAR	2026	WATCH
DENMARK	-	ANGMAGSALIK	65.58N	37.61W	1503Z	24	MAR	2026	WATCH
DENMARK	-	NANORTALIK	60.12N	45.24W	1509Z	24	MAR	2026	WATCH
DENMARK	-	NUUK	64.17N	51.76W	1605Z	24	MAR	2026	WATCH
DENMARK	-	ITTOQQORTOORMIIT	70.45N	22.25W	1624Z	24	MAR	2026	WATCH
DENMARK	-	HIRTSHALS	57.71N	9.96E	1836Z	24	MAR	2026	WATCH
DENMARK	-	HUNDESTED	56.00N	11.85E	2201Z	24	MAR	2026	WATCH
GERMANY	-	(LERWICK)	60.15N	1.12W	1526Z	24	MAR	2026	WATCH
GERMANY	-	(BLOM0Y)	60.53N	4.88E	1551Z	24	MAR	2026	WATCH
GERMANY	-	(FLOR0)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
GERMANY	-	(KARM0Y)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
GERMANY	-	(ABERDEEN)	57.15N	2.07W	1729Z	24	MAR	2026	WATCH
GERMANY	-	(HARTLEPOOL)	54.70N	1.20W	2014Z	24	MAR	2026	WATCH
GERMANY	-	WESTERLAND	54.92N	8.27E	2243Z	24	MAR	2026	WATCH
GERMANY	-	HELGOLAND	54.18N	7.88E	2323Z	24	MAR	2026	WATCH
GERMANY	-	NORDERNEY	53.70N	7.15E	0000Z	25	MAR	2026	WATCH
GERMANY	-	ALTE WESER LT	53.87N	8.13E	0005Z	25	MAR	2026	WATCH
GERMANY	-	BORKUM	53.55N	6.75E	0017Z	25	MAR	2026	WATCH
GERMANY	-	CUXHAVEN	53.87N	8.72E	0051Z	25	MAR	2026	WATCH
GERMANY	-	BUSUM	54.12N	8.87E	0157Z	25	MAR	2026	WATCH
NORWAY	-	(BLOM0Y)	60.53N	4.88E	1551Z	25	MAR	2026	WATCH
NORWAY	-	(FLOR0)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
NORWAY	-	(KARM0Y)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
NETHERLANDS	-	DOMBURG	51.57N	3.49E	2116Z	24	MAR	2026	WATCH
NETHERLANDS	-	ZANDVOORT	52.37N	4.52E	2247Z	24	MAR	2026	WATCH
ICELAND	-	VIK	63.41N	19.01W	1348Z	24	MAR	2026	WATCH
SWEDEN	-	OFF-SHORE SITE1	58.50N	11.00E	1842Z	24	MAR	2026	WATCH
CAPE VERDE	-	PALMEIRA	16.79N	22.99W	1229Z	24	MAR	2026	WATCH

MAURITANIA - NOUAKCHOTT 18.08N 16.03W 1310Z 24 MAR 2026 WATCH  
BELGIUM - OOSTENDE 51.21N 2.88E 2026Z 24 MAR 2026 WATCH

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND  
EVALUATION ALLOWS. THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END  
OF ALERT IS BROADCAST.

END OF TSUNAMI EXERCISE MESSAGE NUMBER 001

**The 2nd message would be like:**

TSUNAMI EXERCISE MESSAGE NUMBER 002  
NEAM IPMA TSUNAMI SERVICE PROVIDER  
ISSUED AT 0926Z 24 MAR 2026

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO BELGIUM ... CAPE VERDE ... DENMARK ... FRANCE ... GERMANY  
... ICELAND ... IRELAND ... MAURITANIA ... MOROCCO ... NETHERLANDS ... NORWAY ...  
PORTUGAL ... SPAIN ... SWEDEN ... UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY  
NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE  
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY  
ACTIONS TO BE TAKEN IN RESPONSE

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0900Z 24 MAR 2026  
COORDINATES - 36.64 NORTH 11.80 WEST  
DEPTH - 5 KM  
LOCATION - Azores-Cape St. Vincent Ridge  
MAGNITUDE - 8.5

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY

GAUGE LOCATION	LAT	LON	TIME	AMPL	PER
PT - SESIMBRA	38.44N	9.11W	0925Z 24 MAR 2026	2.14M	18.00MIN

LAT - LATITUDE (N-NORTH, S-SOUTH)

LON - LONGITUDE (E-EAST, W-WEST)

TIME - TIME OF THE MEASUREMENT (Z IS UTZ TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN METERS (M).

PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

THIS TSUNAMI CAN STRIKE COASTLINES WITH WAVE HEIGHT GREATER THAN  
0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS  
CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE  
REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED.  
AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS  
POSSIBILITY.

A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE  
LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY  
SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE  
TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE  
THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

ESTIMATED INITIAL TSUNAMI ARRIVAL TIMES AT FORECAST POINTS WITHIN  
THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.

LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL (ADVISORY, WATCH)

PORTUGAL	- CASCAIS	38.68N	9.45W	0932Z	24	MAR	2026	WATCH
PORTUGAL	- SAGRES	37.00N	8.94W	0933Z	24	MAR	2026	WATCH
PORTUGAL	- MADEIRA	33.05N	16.32W	0951Z	24	MAR	2026	WATCH
PORTUGAL	- NAZARE	39.60N	9.09W	0955Z	24	MAR	2026	WATCH
PORTUGAL	- ARMACAO DE PERA	37.07N	8.37W	0955Z	24	MAR	2026	WATCH
PORTUGAL	- PONTA DELGADA	37.67N	25.65W	1045Z	24	MAR	2026	WATCH
PORTUGAL	- ANGRA	38.62N	27.00W	1054Z	24	MAR	2026	WATCH
PORTUGAL	- FLORES	39.43N	31.05W	1134Z	24	MAR	2026	WATCH
MOROCCO	- EL JADIDA	33.25N	8.50W	1003Z	24	MAR	2026	WATCH
MOROCCO	- SAFIM	32.31N	9.25W	1007Z	24	MAR	2026	WATCH
MOROCCO	- RABAT	34.03N	6.83W	1008Z	24	MAR	2026	WATCH
MOROCCO	- CASABLANCA	33.61N	7.59W	1014Z	24	MAR	2026	WATCH
MOROCCO	- MOGADOR	31.51N	9.77W	1015Z	24	MAR	2026	WATCH
MOROCCO	- MOHAMMEDIA	33.72N	7.39W	1015Z	24	MAR	2026	WATCH
MOROCCO	- TANGER	35.78N	5.81W	1019Z	24	MAR	2026	WATCH
MOROCCO	- AGADIR	30.42N	9.63W	1035Z	24	MAR	2026	WATCH
MOROCCO	- SIDI IFNI	29.36N	10.19W	1045Z	24	MAR	2026	WATCH
MOROCCO	- PORT EL AAIUN	27.09N	13.42W	1100Z	24	MAR	2026	WATCH
MOROCCO	- AL HOCEIMA	35.25N	3.92W	1101Z	24	MAR	2026	WATCH
MOROCCO	- BOUJDOUR	26.11N	14.49W	1118Z	24	MAR	2026	WATCH
MOROCCO	- LAGUIRA	20.83N	17.09W	1235Z	24	MAR	2026	WATCH
MOROCCO	- DAKHLA	23.69N	15.94W	1309Z	24	MAR	2026	WATCH
SPAIN	- LAS PALMAS	28.15N	15.33W	1026Z	24	MAR	2026	WATCH
SPAIN	- CEUTA	35.89N	5.32W	1026Z	24	MAR	2026	WATCH
SPAIN	- HUELVA	37.16N	6.97W	1029Z	24	MAR	2026	WATCH
SPAIN	- CADIZ	36.53N	6.29W	1030Z	24	MAR	2026	WATCH
SPAIN	- ALGECIRAS	36.13N	5.40W	1031Z	24	MAR	2026	WATCH
SPAIN	- SANTA CRUZ	28.47N	16.19W	1032Z	24	MAR	2026	WATCH
SPAIN	- VIGO	42.24N	8.81W	1037Z	24	MAR	2026	WATCH
SPAIN	- CORUNHA	43.43N	8.40W	1044Z	24	MAR	2026	WATCH
SPAIN	- MALAGA	36.66N	4.40W	1054Z	24	MAR	2026	WATCH
SPAIN	- ALMERIA	36.84N	2.47W	1116Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE2	47.00N	14.00W	1028Z	24	MAR	2026	WATCH
UNITED KINGDOM-	GIBRALTAR	36.13N	5.35W	1029Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE1	47.00N	10.00W	1032Z	24	MAR	2026	WATCH
UNITED KINGDOM-	ST MARY'S	49.92N	6.32W	1249Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE3	60.00N	12.00W	1258Z	24	MAR	2026	WATCH
UNITED KINGDOM-	NEWLYN	50.10N	5.55W	1313Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE4	62.00N	4.00W	1403Z	24	MAR	2026	WATCH
UNITED KINGDOM-	LERWICK	60.15N	1.13W	1526Z	24	MAR	2026	WATCH
UNITED KINGDOM-	WHITBY	54.48N	0.62W	2023Z	24	MAR	2026	WATCH
FRANCE	- BAYONNE	43.51N	1.60W	1131Z	24	MAR	2026	WATCH
FRANCE	- BISCARROSSE	44.45N	1.34W	1139Z	24	MAR	2026	WATCH
FRANCE	- LE CONQUET	48.35N	4.83W	1206Z	24	MAR	2026	WATCH
FRANCE	- LORIENT	47.66N	3.39W	1214Z	24	MAR	2026	WATCH
FRANCE	- OLERON	46.02N	1.41W	1235Z	24	MAR	2026	WATCH
FRANCE	- SAINT-NAZAIRE	47.24N	2.26W	1317Z	24	MAR	2026	WATCH
FRANCE	- CHERBOURG	49.67N	1.65W	1507Z	24	MAR	2026	WATCH
FRANCE	- LE HAVRE	49.48N	0.08E	1657Z	24	MAR	2026	WATCH
FRANCE	- CALAIS	51.00N	1.84E	1839Z	24	MAR	2026	WATCH
IRELAND	- CASTLETOWNBERE	51.65N	9.91W	1212Z	24	MAR	2026	WATCH
IRELAND	- BALLYCOTTON	51.83N	8.00W	1329Z	24	MAR	2026	WATCH
IRELAND	- MALIN HEAD	55.35N	7.35W	1336Z	24	MAR	2026	WATCH
IRELAND	- GALWAY PORT	53.26N	9.04W	1414Z	24	MAR	2026	WATCH
IRELAND	- DUNMORE	52.14N	7.00W	1423Z	24	MAR	2026	WATCH
IRELAND	- DUBLIN PORT	53.35N	6.16W	1642Z	24	MAR	2026	WATCH

DENMARK	- SUDERO	61.38N	6.69W	1348Z	24	MAR	2026	WATCH
DENMARK	- MYKKINES	62.12N	7.68W	1407Z	24	MAR	2026	WATCH
DENMARK	- THORSHVAN	62.02N	6.73W	1427Z	24	MAR	2026	WATCH
DENMARK	- KLAKSIVIG	62.18N	6.61W	1440Z	24	MAR	2026	WATCH
DENMARK	- ANGMAGSALIK	65.58N	37.61W	1503Z	24	MAR	2026	WATCH
DENMARK	- NANORTALIK	60.12N	45.24W	1509Z	24	MAR	2026	WATCH
DENMARK	- NUUK	64.17N	51.76W	1605Z	24	MAR	2026	WATCH
DENMARK	- ITTOQQORTOORMIIT	70.45N	22.25W	1624Z	24	MAR	2026	WATCH
DENMARK	- HIRTSHALS	57.71N	9.96E	1836Z	24	MAR	2026	WATCH
DENMARK	- HUNDESTED	56.00N	11.85E	2201Z	24	MAR	2026	WATCH
GERMANY	- (LERWICK)	60.15N	1.12W	1526Z	24	MAR	2026	WATCH
GERMANY	- (BLOM0Y)	60.53N	4.88E	1551Z	24	MAR	2026	WATCH
GERMANY	- (FLOR0)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
GERMANY	- (KARM0Y)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
GERMANY	- (ABERDEEN)	57.15N	2.07W	1729Z	24	MAR	2026	WATCH
GERMANY	- (HARTLEPOOL)	54.70N	1.20W	2014Z	24	MAR	2026	WATCH
GERMANY	- WESTERLAND	54.92N	8.27E	2243Z	24	MAR	2026	WATCH
GERMANY	- HELGOLAND	54.18N	7.88E	2323Z	24	MAR	2026	WATCH
GERMANY	- NORDERNEY	53.70N	7.15E	0000Z	25	MAR	2026	WATCH
GERMANY	- ALTE WESER LT	53.87N	8.13E	0005Z	25	MAR	2026	WATCH
GERMANY	- BORKUM	53.55N	6.75E	0017Z	25	MAR	2026	WATCH
GERMANY	- CUXHAVEN	53.87N	8.72E	0051Z	25	MAR	2026	WATCH
GERMANY	- BUSUM	54.12N	8.87E	0157Z	25	MAR	2026	WATCH
NORWAY	- (BLOM0Y)	60.53N	4.88E	1551Z	25	MAR	2026	WATCH
NORWAY	- (FLOR0)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
NORWAY	- (KARM0Y)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
NETHERLANDS	- DOMBURG	51.57N	3.49E	2116Z	24	MAR	2026	WATCH
NETHERLANDS	- ZANDVOORT	52.37N	4.52E	2247Z	24	MAR	2026	WATCH
ICELAND	- VIK	63.41N	19.01W	1348Z	24	MAR	2026	WATCH
SWEDEN	- OFF-SHORE SITE1	58.50N	11.00E	1842Z	24	MAR	2026	WATCH
CAPE VERDE	- PALMEIRA	16.79N	22.99W	1229Z	24	MAR	2026	WATCH
MAURITANIA	- NOUAKCHOTT	18.08N	16.03W	1310Z	24	MAR	2026	WATCH
BELGIUM	- OOSTENDE	51.21N	2.88E	2026Z	24	MAR	2026	WATCH

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND  
EVALUATION ALLOWS. THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END  
OF ALERT IS BROADCAST.

END OF TSUNAMI EXERCISE MESSAGE NUMBER 002

**The 3rd message would be like:**

TSUNAMI EXERCISE MESSAGE NUMBER 003  
NEAM IPMA TSUNAMI SERVICE PROVIDER  
ISSUED AT 0945Z 24 MAR 2026

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO BELGIUM ... CAPE VERDE ... DENMARK ... FRANCE ... GERMANY  
... ICELAND ... IRELAND ... MAURITANIA ... MOROCCO ... NETHERLANDS ... NORWAY ...  
PORTUGAL ... SPAIN ... SWEDEN ... UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY  
NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE  
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY  
ACTIONS TO BE TAKEN IN RESPONSE

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0900Z 24 MAR 2026  
COORDINATES - 36.64 NORTH 11.80 WEST  
DEPTH - 5 KM  
LOCATION - Azores-Cape St. Vincent Ridge  
MAGNITUDE - 8.5

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY

GAUGE LOCATION	LAT	Lon	TIME	AMPL	PER
PT - SESIMBRA	38.44N	9.11W	0930Z 24 MAR 2026	2.55M	39.00MIN
PT - ARRIFANA	37.30N	8.87W	0930Z 24 MAR 2026	5.47M	26.00MIN
PT - SAGRES	37.01N	8.93W	0926Z 24 MAR 2026	4.60M	26.00MIN
PT - CASCAIS	38.69N	9.42W	0927Z 24 MAR 2026	4.16M	22.00MIN
PT - LISBOA-ALCANTARA	38.71N	9.13W	0937Z 24 MAR 2026	2.85M	28.00MIN
PT - SINES	37.95N	8.89W	0933Z 24 MAR 2026	7.62M	27.00MIN
PT - SINES_T21	37.94N	8.85W	0933Z 24 MAR 2026	7.29M	25.00MIN
PT - FARO	36.98N	7.87W	0942Z 24 MAR 2026	1.88M	20.00MIN
PT - LAGOS	37.08N	8.68W	0939Z 24 MAR 2026	3.53M	20.00MIN
PT - PORTO SANTO	33.06N	16.31W	0944Z 24 MAR 2026	1.22M	18.00MIN
PT - SETUBAL	38.49N	8.93W	0933Z 24 MAR 2026	2.50M	19.00MIN
PT - SETUBAL_CLUBE_NAVAL	38.52N	8.89W	0933Z 24 MAR 2026	2.57M	19.00MIN
PT - TROIA	38.49N	8.90W	0933Z 24 MAR 2026	2.32M	18.00MIN
PT - ALBUFEIRA	37.08N	8.26W	0942Z 24 MAR 2026	2.38M	20.00MIN

LAT - LATITUDE (N-NORTH, S-SOUTH)

Lon - LONGITUDE (E-EAST, W-WEST)

TIME - TIME OF THE MEASUREMENT (Z IS UTZ TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN METERS (M).

PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

THIS TSUNAMI CAN STRIKE COASTLINES WITH WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY.

A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

ESTIMATED INITIAL TSUNAMI ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.

LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL (ADVISORY, WATCH)

PORTUGAL	- CASCAIS	38.68N	9.45W	0932Z 24 MAR 2026	WATCH
PORTUGAL	- SAGRES	37.00N	8.94W	0933Z 24 MAR 2026	WATCH
PORTUGAL	- MADEIRA	33.05N	16.32W	0951Z 24 MAR 2026	WATCH
PORTUGAL	- NAZARE	39.60N	9.09W	0955Z 24 MAR 2026	WATCH
PORTUGAL	- ARMACAO DE PERA	37.07N	8.37W	0955Z 24 MAR 2026	WATCH
PORTUGAL	- PONTA DELGADA	37.67N	25.65W	1045Z 24 MAR 2026	WATCH
PORTUGAL	- ANGRA	38.62N	27.00W	1054Z 24 MAR 2026	WATCH
PORTUGAL	- FLORES	39.43N	31.05W	1134Z 24 MAR 2026	WATCH
MOROCCO	- EL JADIDA	33.25N	8.50W	1003Z 24 MAR 2026	WATCH
MOROCCO	- SAFIM	32.31N	9.25W	1007Z 24 MAR 2026	WATCH
MOROCCO	- RABAT	34.03N	6.83W	1008Z 24 MAR 2026	WATCH
MOROCCO	- CASABLANCA	33.61N	7.59W	1014Z 24 MAR 2026	WATCH
MOROCCO	- MOGADOR	31.51N	9.77W	1015Z 24 MAR 2026	WATCH

MOROCCO	- MOHAMMEDIA	33.72N	7.39W	1015Z	24	MAR	2026	WATCH
MOROCCO	- TANGER	35.78N	5.81W	1019Z	24	MAR	2026	WATCH
MOROCCO	- AGADIR	30.42N	9.63W	1035Z	24	MAR	2026	WATCH
MOROCCO	- SIDI IFNI	29.36N	10.19W	1045Z	24	MAR	2026	WATCH
MOROCCO	- PORT EL AAIUN	27.09N	13.42W	1100Z	24	MAR	2026	WATCH
MOROCCO	- AL HOCEIMA	35.25N	3.92W	1101Z	24	MAR	2026	WATCH
MOROCCO	- BOUJDOUR	26.11N	14.49W	1118Z	24	MAR	2026	WATCH
MOROCCO	- LAGOUIRA	20.83N	17.09W	1235Z	24	MAR	2026	WATCH
MOROCCO	- DAKHLA	23.69N	15.94W	1309Z	24	MAR	2026	WATCH
SPAIN	- LAS PALMAS	28.15N	15.33W	1026Z	24	MAR	2026	WATCH
SPAIN	- CEUTA	35.89N	5.32W	1026Z	24	MAR	2026	WATCH
SPAIN	- HUELVA	37.16N	6.97W	1029Z	24	MAR	2026	WATCH
SPAIN	- CADIZ	36.53N	6.29W	1030Z	24	MAR	2026	WATCH
SPAIN	- ALGECIRAS	36.13N	5.40W	1031Z	24	MAR	2026	WATCH
SPAIN	- SANTA CRUZ	28.47N	16.19W	1032Z	24	MAR	2026	WATCH
SPAIN	- VIGO	42.24N	8.81W	1037Z	24	MAR	2026	WATCH
SPAIN	- CORUNHA	43.43N	8.40W	1044Z	24	MAR	2026	WATCH
SPAIN	- MALAGA	36.66N	4.40W	1054Z	24	MAR	2026	WATCH
SPAIN	- ALMERIA	36.84N	2.47W	1116Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE2	47.00N	14.00W	1028Z	24	MAR	2026	WATCH
UNITED KINGDOM-	GIBRALTAR	36.13N	5.35W	1029Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE1	47.00N	10.00W	1032Z	24	MAR	2026	WATCH
UNITED KINGDOM-	ST MARY'S	49.92N	6.32W	1249Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE3	60.00N	12.00W	1258Z	24	MAR	2026	WATCH
UNITED KINGDOM-	NEWLYN	50.10N	5.55W	1313Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE4	62.00N	4.00W	1403Z	24	MAR	2026	WATCH
UNITED KINGDOM-	LERWICK	60.15N	1.13W	1526Z	24	MAR	2026	WATCH
UNITED KINGDOM-	WHITBY	54.48N	0.62W	2023Z	24	MAR	2026	WATCH
FRANCE	- BAYONNE	43.51N	1.60W	1131Z	24	MAR	2026	WATCH
FRANCE	- BISCARROSSE	44.45N	1.34W	1139Z	24	MAR	2026	WATCH
FRANCE	- LE CONQUET	48.35N	4.83W	1206Z	24	MAR	2026	WATCH
FRANCE	- LORIENT	47.66N	3.39W	1214Z	24	MAR	2026	WATCH
FRANCE	- OLERON	46.02N	1.41W	1235Z	24	MAR	2026	WATCH
FRANCE	- SAINT-NAZAIRE	47.24N	2.26W	1317Z	24	MAR	2026	WATCH
FRANCE	- CHERBOURG	49.67N	1.65W	1507Z	24	MAR	2026	WATCH
FRANCE	- LE HAVRE	49.48N	0.08E	1657Z	24	MAR	2026	WATCH
FRANCE	- CALAIS	51.00N	1.84E	1839Z	24	MAR	2026	WATCH
IRELAND	- CASTLETOWNBERE	51.65N	9.91W	1212Z	24	MAR	2026	WATCH
IRELAND	- BALLYCOTTON	51.83N	8.00W	1329Z	24	MAR	2026	WATCH
IRELAND	- MALIN HEAD	55.35N	7.35W	1336Z	24	MAR	2026	WATCH
IRELAND	- GALWAY PORT	53.26N	9.04W	1414Z	24	MAR	2026	WATCH
IRELAND	- DUNMORE	52.14N	7.00W	1423Z	24	MAR	2026	WATCH
IRELAND	- DUBLIN PORT	53.35N	6.16W	1642Z	24	MAR	2026	WATCH
DENMARK	- SUDERO	61.38N	6.69W	1348Z	24	MAR	2026	WATCH
DENMARK	- MYKKINES	62.12N	7.68W	1407Z	24	MAR	2026	WATCH
DENMARK	- THORSHVAN	62.02N	6.73W	1427Z	24	MAR	2026	WATCH
DENMARK	- KLAKSIVIG	62.18N	6.61W	1440Z	24	MAR	2026	WATCH
DENMARK	- ANGMAGSALIK	65.58N	37.61W	1503Z	24	MAR	2026	WATCH
DENMARK	- NANORTALIK	60.12N	45.24W	1509Z	24	MAR	2026	WATCH
DENMARK	- NUUK	64.17N	51.76W	1605Z	24	MAR	2026	WATCH
DENMARK	- ITTOQQORTOORMIIT	70.45N	22.25W	1624Z	24	MAR	2026	WATCH
DENMARK	- HIRTSHALS	57.71N	9.96E	1836Z	24	MAR	2026	WATCH
DENMARK	- HUNDESTED	56.00N	11.85E	2201Z	24	MAR	2026	WATCH
GERMANY	- (LERWICK)	60.15N	1.12W	1526Z	24	MAR	2026	WATCH
GERMANY	- (BLOM0Y)	60.53N	4.88E	1551Z	24	MAR	2026	WATCH
GERMANY	- (FLOR0)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
GERMANY	- (KARM0Y)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
GERMANY	- (ABERDEEN)	57.15N	2.07W	1729Z	24	MAR	2026	WATCH
GERMANY	- (HARTLEPOOL)	54.70N	1.20W	2014Z	24	MAR	2026	WATCH
GERMANY	- WESTERLAND	54.92N	8.27E	2243Z	24	MAR	2026	WATCH
GERMANY	- HELGOLAND	54.18N	7.88E	2323Z	24	MAR	2026	WATCH

GERMANY	- NORDERNEY	53.70N	7.15E	0000Z	25	MAR	2026	WATCH
GERMANY	- ALTE WESER LT	53.87N	8.13E	0005Z	25	MAR	2026	WATCH
GERMANY	- BORKUM	53.55N	6.75E	0017Z	25	MAR	2026	WATCH
GERMANY	- CUXHAVEN	53.87N	8.72E	0051Z	25	MAR	2026	WATCH
GERMANY	- BUSUM	54.12N	8.87E	0157Z	25	MAR	2026	WATCH
NORWAY	- (BLOMØY)	60.53N	4.88E	1551Z	25	MAR	2026	WATCH
NORWAY	- (FLORØ)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
NORWAY	- (KARMØY)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
NETHERLANDS	- DOMBURG	51.57N	3.49E	2116Z	24	MAR	2026	WATCH
NETHERLANDS	- ZANDVOORT	52.37N	4.52E	2247Z	24	MAR	2026	WATCH
ICELAND	- VIK	63.41N	19.01W	1348Z	24	MAR	2026	WATCH
SWEDEN	- OFF-SHORE SITE1	58.50N	11.00E	1842Z	24	MAR	2026	WATCH
CAPE VERDE	- PALMEIRA	16.79N	22.99W	1229Z	24	MAR	2026	WATCH
MAURITANIA	- NOUAKCHOTT	18.08N	16.03W	1310Z	24	MAR	2026	WATCH
BELGIUM	- OOSTENDE	51.21N	2.88E	2026Z	24	MAR	2026	WATCH

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS. THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

END OF TSUNAMI EXERCISE MESSAGE NUMBER 003

**The 4th message would be like:**

TSUNAMI EXERCISE MESSAGE NUMBER 004  
NEAM IPMA TSUNAMI SERVICE PROVIDER  
ISSUED AT 0958Z 24 MAR 2026

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO BELGIUM ... CAPE VERDE ... DENMARK ... FRANCE ... GERMANY ... ICELAND ... IRELAND ... MAURITANIA ... MOROCCO ... NETHERLANDS ... NORWAY ... PORTUGAL ... SPAIN ... SWEDEN ... UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0000Z 24 MAR 2026  
COORDINATES - 36.64 NORTH 11.80 WEST  
DEPTH - 5 KM  
LOCATION - Azores-Cape St. Vincent Ridge  
MAGNITUDE - 8.5

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY

GAUGE LOCATION	LAT	LON	TIME	AMPL	PER
PT - SESIMBRA	38.44N	9.11W	0930Z 24 MAR 2026	2.55M	39.00MIN
PT - ARRIFANA	37.30N	8.87W	0930Z 24 MAR 2026	5.47M	26.00MIN
PT - SAGRES	37.01N	8.93W	0950Z 24 MAR 2026	7.29M	14.00MIN
PT - CASCAIS	38.69N	9.42W	0927Z 24 MAR 2026	4.16M	22.00MIN
PT - LISBOA-ALCANTARA	38.71N	9.13W	0937Z 24 MAR 2026	2.85M	28.00MIN
PT - SINES	37.95N	8.89W	0933Z 24 MAR 2026	7.62M	27.00MIN
PT - SINES_T21	37.94N	8.85W	0933Z 24 MAR 2026	7.29M	25.00MIN
PT - FARO	36.98N	7.87W	0942Z 24 MAR 2026	1.88M	20.00MIN
PT - PENICHE	39.35N	9.37W	0954Z 24 MAR 2026	2.83M	57.00MIN
PT - LAGOS	37.08N	8.68W	0939Z 24 MAR 2026	3.53M	20.00MIN
PT - PORTO SANTO	33.06N	16.31W	0944Z 24 MAR 2026	1.22M	18.00MIN
PT - NAZARE	39.59N	9.05W	0950Z 24 MAR 2026	1.60M	39.00MIN
PT - SETUBAL	38.49N	8.93W	0933Z 24 MAR 2026	2.50M	19.00MIN

PT - SETUBAL_CLUBE_NAVAL	38.52N	8.89W	0933Z	24	MAR	2026	2.57M	19.00MIN
PT - TROIA	38.49N	8.90W	0933Z	24	MAR	2026	2.32M	18.00MIN
PT - FUNCHAL	32.64N	16.91W	0953Z	24	MAR	2026	1.31M	25.00MIN
MA - EL JADIDA	33.25N	8.50W	0956Z	24	MAR	2026	4.34M	17.00MIN
PT - ALBUFEIRA	37.08N	8.26W	0942Z	24	MAR	2026	2.38M	20.00MIN

LAT - LATITUDE (N-NORTH, S-SOUTH)

LON - LONGITUDE (E-EAST, W-WEST)

TIME - TIME OF THE MEASUREMENT (Z IS UTZ TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN METERS (M).

PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

THIS TSUNAMI CAN STRIKE COASTLINES WITH WAVE HEIGHT GREATER THAN

0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS

CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE

REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED.

AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS

POSSIBILITY.

A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE

LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY

SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE

TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE

THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

ESTIMATED INITIAL TSUNAMI ARRIVAL TIMES AT FORECAST POINTS WITHIN

THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE

hour.

LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL (ADVISORY, WATCH)

PORTUGAL	- CASCAIS	38.68N	9.45W	0932Z	24	MAR	2026	WATCH
PORTUGAL	- SAGRES	37.00N	8.94W	0933Z	24	MAR	2026	WATCH
PORTUGAL	- MADEIRA	33.05N	16.32W	0951Z	24	MAR	2026	WATCH
PORTUGAL	- NAZARE	39.60N	9.09W	0955Z	24	MAR	2026	WATCH
PORTUGAL	- ARMACAO DE PERA	37.07N	8.37W	0955Z	24	MAR	2026	WATCH
PORTUGAL	- PONTA DELGADA	37.67N	25.65W	1045Z	24	MAR	2026	WATCH
PORTUGAL	- ANGRA	38.62N	27.00W	1054Z	24	MAR	2026	WATCH
PORTUGAL	- FLORES	39.43N	31.05W	1134Z	24	MAR	2026	WATCH
MOROCCO	- EL JADIDA	33.25N	8.50W	1003Z	24	MAR	2026	WATCH
MOROCCO	- SAFIM	32.31N	9.25W	1007Z	24	MAR	2026	WATCH
MOROCCO	- RABAT	34.03N	6.83W	1008Z	24	MAR	2026	WATCH
MOROCCO	- CASABLANCA	33.61N	7.59W	1014Z	24	MAR	2026	WATCH
MOROCCO	- MOGADOR	31.51N	9.77W	1015Z	24	MAR	2026	WATCH
MOROCCO	- MOHAMMEDIA	33.72N	7.39W	1015Z	24	MAR	2026	WATCH
MOROCCO	- TANGER	35.78N	5.81W	1019Z	24	MAR	2026	WATCH
MOROCCO	- AGADIR	30.42N	9.63W	1035Z	24	MAR	2026	WATCH
MOROCCO	- SIDI IFNI	29.36N	10.19W	1045Z	24	MAR	2026	WATCH
MOROCCO	- PORT EL AAIUN	27.09N	13.42W	1100Z	24	MAR	2026	WATCH
MOROCCO	- AL HOCEIMA	35.25N	3.92W	1101Z	24	MAR	2026	WATCH
MOROCCO	- BOUJDOUR	26.11N	14.49W	1118Z	24	MAR	2026	WATCH
MOROCCO	- LAGOUIRA	20.83N	17.09W	1235Z	24	MAR	2026	WATCH
MOROCCO	- DAKHLA	23.69N	15.94W	1309Z	24	MAR	2026	WATCH
SPAIN	- LAS PALMAS	28.15N	15.33W	1026Z	24	MAR	2026	WATCH
SPAIN	- CEUTA	35.89N	5.32W	1026Z	24	MAR	2026	WATCH
SPAIN	- HUELVA	37.16N	6.97W	1029Z	24	MAR	2026	WATCH
SPAIN	- CADIZ	36.53N	6.29W	1030Z	24	MAR	2026	WATCH

SPAIN	-	ALGECIRAS	36.13N	5.40W	1031Z	24	MAR	2026	WATCH
SPAIN	-	SANTA CRUZ	28.47N	16.19W	1032Z	24	MAR	2026	WATCH
SPAIN	-	VIGO	42.24N	8.81W	1037Z	24	MAR	2026	WATCH
SPAIN	-	CORUNHA	43.43N	8.40W	1044Z	24	MAR	2026	WATCH
SPAIN	-	MALAGA	36.66N	4.40W	1054Z	24	MAR	2026	WATCH
SPAIN	-	ALMERIA	36.84N	2.47W	1116Z	24	MAR	2026	WATCH
UNITED KINGDOM-		OFF-SHORE SITE2	47.00N	14.00W	1028Z	24	MAR	2026	WATCH
UNITED KINGDOM-		GIBRALTAR	36.13N	5.35W	1029Z	24	MAR	2026	WATCH
UNITED KINGDOM-		OFF-SHORE SITE1	47.00N	10.00W	1032Z	24	MAR	2026	WATCH
UNITED KINGDOM-		ST MARY'S	49.92N	6.32W	1249Z	24	MAR	2026	WATCH
UNITED KINGDOM-		OFF-SHORE SITE3	60.00N	12.00W	1258Z	24	MAR	2026	WATCH
UNITED KINGDOM-		NEWLYN	50.10N	5.55W	1313Z	24	MAR	2026	WATCH
UNITED KINGDOM-		OFF-SHORE SITE4	62.00N	4.00W	1403Z	24	MAR	2026	WATCH
UNITED KINGDOM-		LERWICK	60.15N	1.13W	1526Z	24	MAR	2026	WATCH
UNITED KINGDOM-		WHITBY	54.48N	0.62W	2023Z	24	MAR	2026	WATCH
FRANCE	-	BAYONNE	43.51N	1.60W	1131Z	24	MAR	2026	WATCH
FRANCE	-	BISCARROSSE	44.45N	1.34W	1139Z	24	MAR	2026	WATCH
FRANCE	-	LE CONQUET	48.35N	4.83W	1206Z	24	MAR	2026	WATCH
FRANCE	-	LORIENT	47.66N	3.39W	1214Z	24	MAR	2026	WATCH
FRANCE	-	OLERON	46.02N	1.41W	1235Z	24	MAR	2026	WATCH
FRANCE	-	SAINT-NAZAIRE	47.24N	2.26W	1317Z	24	MAR	2026	WATCH
FRANCE	-	CHERBOURG	49.67N	1.65W	1507Z	24	MAR	2026	WATCH
FRANCE	-	LE HAVRE	49.48N	0.08E	1657Z	24	MAR	2026	WATCH
FRANCE	-	CALAIS	51.00N	1.84E	1839Z	24	MAR	2026	WATCH
IRELAND	-	CASTLETOWNBERE	51.65N	9.91W	1212Z	24	MAR	2026	WATCH
IRELAND	-	BALLYCOTTON	51.83N	8.00W	1329Z	24	MAR	2026	WATCH
IRELAND	-	MALIN HEAD	55.35N	7.35W	1336Z	24	MAR	2026	WATCH
IRELAND	-	GALWAY PORT	53.26N	9.04W	1414Z	24	MAR	2026	WATCH
IRELAND	-	DUNMORE	52.14N	7.00W	1423Z	24	MAR	2026	WATCH
IRELAND	-	DUBLIN PORT	53.35N	6.16W	1642Z	24	MAR	2026	WATCH
DENMARK	-	SUDERO	61.38N	6.69W	1348Z	24	MAR	2026	WATCH
DENMARK	-	MYKKINES	62.12N	7.68W	1407Z	24	MAR	2026	WATCH
DENMARK	-	THORSHVAN	62.02N	6.73W	1427Z	24	MAR	2026	WATCH
DENMARK	-	KLAKSVIG	62.18N	6.61W	1440Z	24	MAR	2026	WATCH
DENMARK	-	ANGMAGSALIK	65.58N	37.61W	1503Z	24	MAR	2026	WATCH
DENMARK	-	NANORTALIK	60.12N	45.24W	1509Z	24	MAR	2026	WATCH
DENMARK	-	NUUK	64.17N	51.76W	1605Z	24	MAR	2026	WATCH
DENMARK	-	ITTOQQORTOORMIIT	70.45N	22.25W	1624Z	24	MAR	2026	WATCH
DENMARK	-	HIRTSHALS	57.71N	9.96E	1836Z	24	MAR	2026	WATCH
DENMARK	-	HUNDESTED	56.00N	11.85E	2201Z	24	MAR	2026	WATCH
GERMANY	-	(LERWICK)	60.15N	1.12W	1526Z	24	MAR	2026	WATCH
GERMANY	-	(BLOM0Y)	60.53N	4.88E	1551Z	24	MAR	2026	WATCH
GERMANY	-	(FLOR0)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
GERMANY	-	(KARM0Y)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
GERMANY	-	(ABERDEEN)	57.15N	2.07W	1729Z	24	MAR	2026	WATCH
GERMANY	-	(HARTLEPOOL)	54.70N	1.20W	2014Z	24	MAR	2026	WATCH
GERMANY	-	WESTERLAND	54.92N	8.27E	2243Z	24	MAR	2026	WATCH
GERMANY	-	HELGOLAND	54.18N	7.88E	2323Z	24	MAR	2026	WATCH
GERMANY	-	NORDERNEY	53.70N	7.15E	0000Z	25	MAR	2026	WATCH
GERMANY	-	ALTE WESER LT	53.87N	8.13E	0005Z	25	MAR	2026	WATCH
GERMANY	-	BORKUM	53.55N	6.75E	0017Z	25	MAR	2026	WATCH
GERMANY	-	CUXHAVEN	53.87N	8.72E	0051Z	25	MAR	2026	WATCH
GERMANY	-	BUSUM	54.12N	8.87E	0157Z	25	MAR	2026	WATCH
NORWAY	-	(BLOM0Y)	60.53N	4.88E	1551Z	25	MAR	2026	WATCH
NORWAY	-	(FLOR0)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
NORWAY	-	(KARM0Y)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
NETHERLANDS	-	DOMBURG	51.57N	3.49E	2116Z	24	MAR	2026	WATCH
NETHERLANDS	-	ZANDVOORT	52.37N	4.52E	2247Z	24	MAR	2026	WATCH
ICELAND	-	VIK	63.41N	19.01W	1348Z	24	MAR	2026	WATCH
SWEDEN	-	OFF-SHORE SITE1	58.50N	11.00E	1842Z	24	MAR	2026	WATCH
CAPE VERDE	-	PALMEIRA	16.79N	22.99W	1229Z	24	MAR	2026	WATCH

MAURITANIA - NOUAKCHOTT 18.08N 16.03W 1310Z 24 MAR 2026 WATCH  
BELGIUM - OOSTENDE 51.21N 2.88E 2026Z 24 MAR 2026 WATCH

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND  
EVALUATION ALLOWS. THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END  
OF ALERT IS BROADCAST.

END OF TSUNAMI EXERCISE MESSAGE NUMBER 004

**The 5th message would be like:**

TSUNAMI EXERCISE MESSAGE NUMBER 005  
NEAM IPMA TSUNAMI SERVICE PROVIDER  
ISSUED AT 1008Z 24 MAR 2026

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO BELGIUM ... CAPE VERDE ... DENMARK ... FRANCE ... GERMANY  
... ICELAND ... IRELAND ... MAURITANIA ... MOROCCO ... NETHERLANDS ... NORWAY ...  
PORTUGAL ... SPAIN ... SWEDEN ... UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY  
NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE  
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY  
ACTIONS TO BE TAKEN IN RESPONSE

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0900Z 24 MAR 2026  
COORDINATES - 36.64 NORTH 11.80 WEST  
DEPTH - 5 KM  
LOCATION - Azores-Cape St. Vincent Ridge  
MAGNITUDE - 8.5

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY

GAUGE LOCATION	LAT	LON	TIME	AMPL	PER
PT - SESIMBRA	38.44N	9.11W	0930Z 24 MAR 2026	2.55M	39.00MIN
PT - ARRIFANA	37.30N	8.87W	0930Z 24 MAR 2026	5.47M	26.00MIN
PT - SAGRES	37.01N	8.93W	0950Z 24 MAR 2026	7.29M	14.00MIN
PT - CASCAIS	38.69N	9.42W	0927Z 24 MAR 2026	4.16M	22.00MIN
PT - LISBOA-ALCANTARA	38.71N	9.13W	0937Z 24 MAR 2026	2.85M	28.00MIN
PT - SINES	37.95N	8.89W	0933Z 24 MAR 2026	7.62M	27.00MIN
PT - SINES_T21	37.94N	8.85W	0933Z 24 MAR 2026	7.29M	25.00MIN
PT - FARO	36.98N	7.87W	0942Z 24 MAR 2026	1.88M	20.00MIN
PT - PENICHE	39.35N	9.37W	0954Z 24 MAR 2026	2.83M	57.00MIN
PT - LAGOS	37.08N	8.68W	0939Z 24 MAR 2026	3.53M	20.00MIN
PT - PORTO SANTO	33.06N	16.31W	0944Z 24 MAR 2026	1.22M	18.00MIN
PT - NAZARE	39.59N	9.05W	0950Z 24 MAR 2026	1.60M	39.00MIN
PT - SETUBAL	38.49N	8.93W	0933Z 24 MAR 2026	2.50M	19.00MIN
PT - SETUBAL_CLUBE_NAVAL	38.52N	8.89W	0933Z 24 MAR 2026	2.57M	19.00MIN
PT - TROIA	38.49N	8.90W	0933Z 24 MAR 2026	2.32M	18.00MIN
PT - FUNCHAL	32.64N	16.91W	0953Z 24 MAR 2026	1.31M	25.00MIN
MA - EL JADIDA	33.25N	8.50W	0956Z 24 MAR 2026	4.34M	17.00MIN
PT - ALBUFEIRA	37.08N	8.26W	0942Z 24 MAR 2026	2.38M	20.00MIN
PT - V.R.STO.ANTONIO	37.19N	7.41W	0959Z 24 MAR 2026	1.63M	38.00MIN
PT - FIGUEIRA DA FOZ	40.15N	8.86W	1001Z 24 MAR 2026	2.14M	29.00MIN
PT - LEIXOES	41.19N	8.70W	1002Z 24 MAR 2026	1.84M	24.00MIN
ES - HUELVA	37.13N	6.83W	1006Z 24 MAR 2026	1.73M	29.00MIN
ES - BONANZA	36.80N	6.34W	1006Z 24 MAR 2026	2.00M	27.00MIN

LAT - LATITUDE (N-NORTH, S-SOUTH)  
LON - LONGITUDE (E-EAST, W-WEST)  
TIME - TIME OF THE MEASUREMENT (Z IS UTZ TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL  
IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.  
VALUES ARE GIVEN IN METERS (M) .  
PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

EVALUATION OF TSUNAMI WATCH  
SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
THIS TSUNAMI CAN STRIKE COASTLINES WITH WAVE HEIGHT GREATER THAN  
0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS  
CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE  
REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED.  
AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS  
POSSIBILITY.

A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE  
LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY  
SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE  
TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE  
THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

ESTIMATED INITIAL TSUNAMI ARRIVAL TIMES AT FORECAST POINTS WITHIN  
THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE  
HOUR.

LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL (ADVISORY, WATCH)

-----									
PORTUGAL	-	CASCAIS	38.68N	9.45W	0932Z	24	MAR	2026	WATCH
PORTUGAL	-	SAGRES	37.00N	8.94W	0933Z	24	MAR	2026	WATCH
PORTUGAL	-	MADEIRA	33.05N	16.32W	0951Z	24	MAR	2026	WATCH
PORTUGAL	-	NAZARE	39.60N	9.09W	0955Z	24	MAR	2026	WATCH
PORTUGAL	-	ARMACAO DE PERA	37.07N	8.37W	0955Z	24	MAR	2026	WATCH
PORTUGAL	-	PONTA DELGADA	37.67N	25.65W	1045Z	24	MAR	2026	WATCH
PORTUGAL	-	ANGRA	38.62N	27.00W	1054Z	24	MAR	2026	WATCH
PORTUGAL	-	FLORES	39.43N	31.05W	1134Z	24	MAR	2026	WATCH
MOROCCO	-	EL JADIDA	33.25N	8.50W	1003Z	24	MAR	2026	WATCH
MOROCCO	-	SAFIM	32.31N	9.25W	1007Z	24	MAR	2026	WATCH
MOROCCO	-	RABAT	34.03N	6.83W	1008Z	24	MAR	2026	WATCH
MOROCCO	-	CASABLANCA	33.61N	7.59W	1014Z	24	MAR	2026	WATCH
MOROCCO	-	MOGADOR	31.51N	9.77W	1015Z	24	MAR	2026	WATCH
MOROCCO	-	MOHAMMEDIA	33.72N	7.39W	1015Z	24	MAR	2026	WATCH
MOROCCO	-	TANGER	35.78N	5.81W	1019Z	24	MAR	2026	WATCH
MOROCCO	-	AGADIR	30.42N	9.63W	1035Z	24	MAR	2026	WATCH
MOROCCO	-	SIDI IFNI	29.36N	10.19W	1045Z	24	MAR	2026	WATCH
MOROCCO	-	PORT EL AAIUN	27.09N	13.42W	1100Z	24	MAR	2026	WATCH
MOROCCO	-	AL HOCEIMA	35.25N	3.92W	1101Z	24	MAR	2026	WATCH
MOROCCO	-	BOUJDOUR	26.11N	14.49W	1118Z	24	MAR	2026	WATCH
MOROCCO	-	LAGOUIRA	20.83N	17.09W	1235Z	24	MAR	2026	WATCH
MOROCCO	-	DAKHLA	23.69N	15.94W	1309Z	24	MAR	2026	WATCH
SPAIN	-	LAS PALMAS	28.15N	15.33W	1026Z	24	MAR	2026	WATCH
SPAIN	-	CEUTA	35.89N	5.32W	1026Z	24	MAR	2026	WATCH
SPAIN	-	HUELVA	37.16N	6.97W	1029Z	24	MAR	2026	WATCH
SPAIN	-	CADIZ	36.53N	6.29W	1030Z	24	MAR	2026	WATCH
SPAIN	-	ALGECIRAS	36.13N	5.40W	1031Z	24	MAR	2026	WATCH
SPAIN	-	SANTA CRUZ	28.47N	16.19W	1032Z	24	MAR	2026	WATCH
SPAIN	-	VIGO	42.24N	8.81W	1037Z	24	MAR	2026	WATCH
SPAIN	-	CORUNHA	43.43N	8.40W	1044Z	24	MAR	2026	WATCH
SPAIN	-	MALAGA	36.66N	4.40W	1054Z	24	MAR	2026	WATCH
SPAIN	-	ALMERIA	36.84N	2.47W	1116Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE	SITE2	47.00N	14.00W	1028Z	24	MAR	2026	WATCH
UNITED KINGDOM-	GIBRALTAR		36.13N	5.35W	1029Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE	SITE1	47.00N	10.00W	1032Z	24	MAR	2026	WATCH

UNITED KINGDOM-	ST MARY'S	49.92N	6.32W	1249Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE3	60.00N	12.00W	1258Z	24	MAR	2026	WATCH
UNITED KINGDOM-	NEWLYN	50.10N	5.55W	1313Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE4	62.00N	4.00W	1403Z	24	MAR	2026	WATCH
UNITED KINGDOM-	LERWICK	60.15N	1.13W	1526Z	24	MAR	2026	WATCH
UNITED KINGDOM-	WHITBY	54.48N	0.62W	2023Z	24	MAR	2026	WATCH
FRANCE	- BAYONNE	43.51N	1.60W	1131Z	24	MAR	2026	WATCH
FRANCE	- BISCARROSSE	44.45N	1.34W	1139Z	24	MAR	2026	WATCH
FRANCE	- LE CONQUET	48.35N	4.83W	1206Z	24	MAR	2026	WATCH
FRANCE	- LORIENT	47.66N	3.39W	1214Z	24	MAR	2026	WATCH
FRANCE	- OLERON	46.02N	1.41W	1235Z	24	MAR	2026	WATCH
FRANCE	- SAINT-NAZAIRE	47.24N	2.26W	1317Z	24	MAR	2026	WATCH
FRANCE	- CHERBOURG	49.67N	1.65W	1507Z	24	MAR	2026	WATCH
FRANCE	- LE HAVRE	49.48N	0.08E	1657Z	24	MAR	2026	WATCH
FRANCE	- CALAIS	51.00N	1.84E	1839Z	24	MAR	2026	WATCH
IRELAND	- CASTLETOWNBERE	51.65N	9.91W	1212Z	24	MAR	2026	WATCH
IRELAND	- BALLYCOTTON	51.83N	8.00W	1329Z	24	MAR	2026	WATCH
IRELAND	- MALIN HEAD	55.35N	7.35W	1336Z	24	MAR	2026	WATCH
IRELAND	- GALWAY PORT	53.26N	9.04W	1414Z	24	MAR	2026	WATCH
IRELAND	- DUNMORE	52.14N	7.00W	1423Z	24	MAR	2026	WATCH
IRELAND	- DUBLIN PORT	53.35N	6.16W	1642Z	24	MAR	2026	WATCH
DENMARK	- SUDERO	61.38N	6.69W	1348Z	24	MAR	2026	WATCH
DENMARK	- MYKKINES	62.12N	7.68W	1407Z	24	MAR	2026	WATCH
DENMARK	- THORSHVAN	62.02N	6.73W	1427Z	24	MAR	2026	WATCH
DENMARK	- KLAKSIVIG	62.18N	6.61W	1440Z	24	MAR	2026	WATCH
DENMARK	- ANGMAGSALIK	65.58N	37.61W	1503Z	24	MAR	2026	WATCH
DENMARK	- NANORTALIK	60.12N	45.24W	1509Z	24	MAR	2026	WATCH
DENMARK	- NUUK	64.17N	51.76W	1605Z	24	MAR	2026	WATCH
DENMARK	- ITTOQQORTOORMIIT	70.45N	22.25W	1624Z	24	MAR	2026	WATCH
DENMARK	- HIRTSHALS	57.71N	9.96E	1836Z	24	MAR	2026	WATCH
DENMARK	- HUNDESTED	56.00N	11.85E	2201Z	24	MAR	2026	WATCH
GERMANY	- (LERWICK)	60.15N	1.12W	1526Z	24	MAR	2026	WATCH
GERMANY	- (BLOM0Y)	60.53N	4.88E	1551Z	24	MAR	2026	WATCH
GERMANY	- (FLOR0)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
GERMANY	- (KARM0Y)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
GERMANY	- (ABERDEEN)	57.15N	2.07W	1729Z	24	MAR	2026	WATCH
GERMANY	- (HARTLEPOOL)	54.70N	1.20W	2014Z	24	MAR	2026	WATCH
GERMANY	- WESTERLAND	54.92N	8.27E	2243Z	24	MAR	2026	WATCH
GERMANY	- HELGOLAND	54.18N	7.88E	2323Z	24	MAR	2026	WATCH
GERMANY	- NORDERNEY	53.70N	7.15E	0000Z	25	MAR	2026	WATCH
GERMANY	- ALTE WESER LT	53.87N	8.13E	0005Z	25	MAR	2026	WATCH
GERMANY	- BORKUM	53.55N	6.75E	0017Z	25	MAR	2026	WATCH
GERMANY	- CUXHAVEN	53.87N	8.72E	0051Z	25	MAR	2026	WATCH
GERMANY	- BUSUM	54.12N	8.87E	0157Z	25	MAR	2026	WATCH
NORWAY	- (BLOM0Y)	60.53N	4.88E	1551Z	25	MAR	2026	WATCH
NORWAY	- (FLOR0)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
NORWAY	- (KARM0Y)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
NETHERLANDS	- DOMBURG	51.57N	3.49E	2116Z	24	MAR	2026	WATCH
NETHERLANDS	- ZANDVOORT	52.37N	4.52E	2247Z	24	MAR	2026	WATCH
ICELAND	- VIK	63.41N	19.01W	1348Z	24	MAR	2026	WATCH
SWEDEN	- OFF-SHORE SITE1	58.50N	11.00E	1842Z	24	MAR	2026	WATCH
CAPE VERDE	- PALMEIRA	16.79N	22.99W	1229Z	24	MAR	2026	WATCH
MAURITANIA	- NOUAKCHOTT	18.08N	16.03W	1310Z	24	MAR	2026	WATCH
BELGIUM	- OOSTENDE	51.21N	2.88E	2026Z	24	MAR	2026	WATCH

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND  
EVALUATION ALLOWS. THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END  
OF ALERT IS BROADCAST.

END OF TSUNAMI EXERCISE MESSAGE NUMBER 005

**The 6th message would be like:**

TSUNAMI EXERCISE MESSAGE NUMBER 006  
NEAM IPMA TSUNAMI SERVICE PROVIDER  
ISSUED AT 1022Z 24 MAR 2026

... TSUNAMI WATCH ONGOING ...  
THIS ALERT APPLIES TO BELGIUM ... CAPE VERDE ... DENMARK ... FRANCE ... GERMANY  
... ICELAND ... IRELAND ... MAURITANIA ... MOROCCO ... NETHERLANDS ... NORWAY ...  
PORTUGAL ... SPAIN ... SWEDEN ... UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY  
NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE  
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY  
ACTIONS TO BE TAKEN IN RESPONSE

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0900Z 24 MAR 2026  
COORDINATES - 36.64 NORTH 11.80 WEST  
DEPTH - 5 KM  
LOCATION - Azores-Cape St. Vincent Ridge  
MAGNITUDE - 8.5

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY

GAUGE LOCATION	LAT	LON	TIME	AMPL	PER
PT - SESIMBRA	38.44N	9.11W	0930Z 24 MAR 2026	2.55M	39.00MIN
PT - ARRIFANA	37.30N	8.87W	0930Z 24 MAR 2026	5.47M	26.00MIN
PT - SAGRES	37.01N	8.93W	0950Z 24 MAR 2026	7.29M	14.00MIN
PT - CASCAIS	38.69N	9.42W	0927Z 24 MAR 2026	4.16M	22.00MIN
PT - LISBOA-ALCANTARA	38.71N	9.13W	0937Z 24 MAR 2026	2.85M	28.00MIN
PT - SINES	37.95N	8.89W	0933Z 24 MAR 2026	7.62M	27.00MIN
PT - SINES_T21	37.94N	8.85W	0933Z 24 MAR 2026	7.29M	25.00MIN
PT - FARO	36.98N	7.87W	0942Z 24 MAR 2026	1.88M	20.00MIN
PT - PENICHE	39.35N	9.37W	0954Z 24 MAR 2026	2.83M	57.00MIN
PT - LAGOS	37.08N	8.68W	0939Z 24 MAR 2026	3.53M	20.00MIN
PT - PORTO SANTO	33.06N	16.31W	1009Z 24 MAR 2026	2.12M	6.00MIN
PT - NAZARE	39.59N	9.05W	0950Z 24 MAR 2026	1.60M	39.00MIN
PT - SETUBAL	38.49N	8.93W	0933Z 24 MAR 2026	2.50M	19.00MIN
PT - SETUBAL_CLUBE_NAVAL	38.52N	8.89W	0933Z 24 MAR 2026	2.57M	19.00MIN
PT - TROIA	38.49N	8.90W	0933Z 24 MAR 2026	2.32M	18.00MIN
PT - FUNCHAL	32.64N	16.91W	1019Z 24 MAR 2026	2.44M	9.00MIN
MA - EL JADIDA	33.25N	8.50W	0956Z 24 MAR 2026	4.34M	17.00MIN
PT - ALBUFEIRA	37.08N	8.26W	0942Z 24 MAR 2026	2.38M	20.00MIN
PT - V.R.STO.ANTONIO	37.19N	7.41W	0959Z 24 MAR 2026	1.63M	38.00MIN
PT - VIANA DO CASTELO	41.70N	8.84W	1007Z 24 MAR 2026	1.53M	39.00MIN
PT - FIGUEIRA DA FOZ	40.15N	8.86W	1001Z 24 MAR 2026	2.14M	29.00MIN
PT - LEIXOES	41.19N	8.70W	1002Z 24 MAR 2026	1.84M	24.00MIN
ES - HUELVA	37.13N	6.83W	1006Z 24 MAR 2026	1.73M	29.00MIN
ES - MARIN	42.41N	8.69W	1009Z 24 MAR 2026	1.99M	17.00MIN
ES - LAS PALMAS	28.14N	15.41W	1020Z 24 MAR 2026	0.65M	20.00MIN
ES - CADIZ	36.54N	6.28W	1009Z 24 MAR 2026	2.08M	28.00MIN
ES - BONANZA	36.80N	6.34W	1006Z 24 MAR 2026	2.00M	27.00MIN
ES - VIGO	42.24N	8.73W	1012Z 24 MAR 2026	1.54M	27.00MIN
ES - VILAGARCIA	42.60N	8.77W	1009Z 24 MAR 2026	1.37M	25.00MIN

LAT - LATITUDE (N-NORTH, S-SOUTH)

LON - LONGITUDE (E-EAST, W-WEST)

TIME - TIME OF THE MEASUREMENT (Z IS UTZ TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN METERS (M) .  
PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

EVALUATION OF TSUNAMI WATCH  
SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
THIS TSUNAMI CAN STRIKE COASTLINES WITH WAVE HEIGHT GREATER THAN  
0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS  
CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE  
REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED.  
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ESTIMATED INITIAL TSUNAMI ARRIVAL TIMES AT FORECAST POINTS WITHIN  
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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.

LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL (ADVISORY, WATCH)

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LOCATION	FORECAST POINT	COORDINATES	ARRIVAL TIME	ALERT LEVEL	(ADVISORY, WATCH)				
PORTUGAL	- CASCAIS	38.68N	9.45W	0932Z	24 MAR 2026	WATCH			
PORTUGAL	- SAGRES	37.00N	8.94W	0933Z	24 MAR 2026	WATCH			
PORTUGAL	- MADEIRA	33.05N	16.32W	0951Z	24 MAR 2026	WATCH			
PORTUGAL	- NAZARE	39.60N	9.09W	0955Z	24 MAR 2026	WATCH			
PORTUGAL	- ARMACAO DE PERA	37.07N	8.37W	0955Z	24 MAR 2026	WATCH			
PORTUGAL	- PONTA DELGADA	37.67N	25.65W	1045Z	24 MAR 2026	WATCH			
PORTUGAL	- ANGRA	38.62N	27.00W	1054Z	24 MAR 2026	WATCH			
PORTUGAL	- FLORES	39.43N	31.05W	1134Z	24 MAR 2026	WATCH			
MOROCCO	- EL JADIDA	33.25N	8.50W	1003Z	24 MAR 2026	WATCH			
MOROCCO	- SAFIM	32.31N	9.25W	1007Z	24 MAR 2026	WATCH			
MOROCCO	- RABAT	34.03N	6.83W	1008Z	24 MAR 2026	WATCH			
MOROCCO	- CASABLANCA	33.61N	7.59W	1014Z	24 MAR 2026	WATCH			
MOROCCO	- MOGADOR	31.51N	9.77W	1015Z	24 MAR 2026	WATCH			
MOROCCO	- MOHAMMEDIA	33.72N	7.39W	1015Z	24 MAR 2026	WATCH			
MOROCCO	- TANGER	35.78N	5.81W	1019Z	24 MAR 2026	WATCH			
MOROCCO	- AGADIR	30.42N	9.63W	1035Z	24 MAR 2026	WATCH			
MOROCCO	- SIDI IFNI	29.36N	10.19W	1045Z	24 MAR 2026	WATCH			
MOROCCO	- PORT EL AAIUN	27.09N	13.42W	1100Z	24 MAR 2026	WATCH			
MOROCCO	- AL HOCEIMA	35.25N	3.92W	1101Z	24 MAR 2026	WATCH			
MOROCCO	- BOUJDOUR	26.11N	14.49W	1118Z	24 MAR 2026	WATCH			
MOROCCO	- LAGUIRA	20.83N	17.09W	1235Z	24 MAR 2026	WATCH			
MOROCCO	- DAKHLA	23.69N	15.94W	1309Z	24 MAR 2026	WATCH			
SPAIN	- LAS PALMAS	28.15N	15.33W	1026Z	24 MAR 2026	WATCH			
SPAIN	- CEUTA	35.89N	5.32W	1026Z	24 MAR 2026	WATCH			
SPAIN	- HUELVA	37.16N	6.97W	1029Z	24 MAR 2026	WATCH			
SPAIN	- CADIZ	36.53N	6.29W	1030Z	24 MAR 2026	WATCH			
SPAIN	- ALGECIRAS	36.13N	5.40W	1031Z	24 MAR 2026	WATCH			
SPAIN	- SANTA CRUZ	28.47N	16.19W	1032Z	24 MAR 2026	WATCH			
SPAIN	- VIGO	42.24N	8.81W	1037Z	24 MAR 2026	WATCH			
SPAIN	- CORUNHA	43.43N	8.40W	1044Z	24 MAR 2026	WATCH			
SPAIN	- MALAGA	36.66N	4.40W	1054Z	24 MAR 2026	WATCH			
SPAIN	- ALMERIA	36.84N	2.47W	1116Z	24 MAR 2026	WATCH			
UNITED KINGDOM-	OFF-SHORE SITE2	47.00N	14.00W	1028Z	24 MAR 2026	WATCH			
UNITED KINGDOM-	GIBRALTAR	36.13N	5.35W	1029Z	24 MAR 2026	WATCH			
UNITED KINGDOM-	OFF-SHORE SITE1	47.00N	10.00W	1032Z	24 MAR 2026	WATCH			
UNITED KINGDOM-	ST MARY'S	49.92N	6.32W	1249Z	24 MAR 2026	WATCH			
UNITED KINGDOM-	OFF-SHORE SITE3	60.00N	12.00W	1258Z	24 MAR 2026	WATCH			

UNITED KINGDOM-	NEWLYN	50.10N	5.55W	1313Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE4	62.00N	4.00W	1403Z	24	MAR	2026	WATCH
UNITED KINGDOM-	LERWICK	60.15N	1.13W	1526Z	24	MAR	2026	WATCH
UNITED KINGDOM-	WHITBY	54.48N	0.62W	2023Z	24	MAR	2026	WATCH
FRANCE	- BAYONNE	43.51N	1.60W	1131Z	24	MAR	2026	WATCH
FRANCE	- BISCARROSSE	44.45N	1.34W	1139Z	24	MAR	2026	WATCH
FRANCE	- LE CONQUET	48.35N	4.83W	1206Z	24	MAR	2026	WATCH
FRANCE	- LORIENT	47.66N	3.39W	1214Z	24	MAR	2026	WATCH
FRANCE	- OLERON	46.02N	1.41W	1235Z	24	MAR	2026	WATCH
FRANCE	- SAINT-NAZAIRE	47.24N	2.26W	1317Z	24	MAR	2026	WATCH
FRANCE	- CHERBOURG	49.67N	1.65W	1507Z	24	MAR	2026	WATCH
FRANCE	- LE HAVRE	49.48N	0.08E	1657Z	24	MAR	2026	WATCH
FRANCE	- CALAIS	51.00N	1.84E	1839Z	24	MAR	2026	WATCH
IRELAND	- CASTLETOWNBERE	51.65N	9.91W	1212Z	24	MAR	2026	WATCH
IRELAND	- BALLYCOTTON	51.83N	8.00W	1329Z	24	MAR	2026	WATCH
IRELAND	- MALIN HEAD	55.35N	7.35W	1336Z	24	MAR	2026	WATCH
IRELAND	- GALWAY PORT	53.26N	9.04W	1414Z	24	MAR	2026	WATCH
IRELAND	- DUNMORE	52.14N	7.00W	1423Z	24	MAR	2026	WATCH
IRELAND	- DUBLIN PORT	53.35N	6.16W	1642Z	24	MAR	2026	WATCH
DENMARK	- SUDERO	61.38N	6.69W	1348Z	24	MAR	2026	WATCH
DENMARK	- MYKKINES	62.12N	7.68W	1407Z	24	MAR	2026	WATCH
DENMARK	- THORSHVAN	62.02N	6.73W	1427Z	24	MAR	2026	WATCH
DENMARK	- KLAKSIVIG	62.18N	6.61W	1440Z	24	MAR	2026	WATCH
DENMARK	- ANGMAGSALIK	65.58N	37.61W	1503Z	24	MAR	2026	WATCH
DENMARK	- NANORTALIK	60.12N	45.24W	1509Z	24	MAR	2026	WATCH
DENMARK	- NUUK	64.17N	51.76W	1605Z	24	MAR	2026	WATCH
DENMARK	- ITTOQQORTOORMIIT	70.45N	22.25W	1624Z	24	MAR	2026	WATCH
DENMARK	- HIRTSHALS	57.71N	9.96E	1836Z	24	MAR	2026	WATCH
DENMARK	- HUNDESTED	56.00N	11.85E	2201Z	24	MAR	2026	WATCH
GERMANY	- (LERWICK)	60.15N	1.12W	1526Z	24	MAR	2026	WATCH
GERMANY	- (BLOM0Y)	60.53N	4.88E	1551Z	24	MAR	2026	WATCH
GERMANY	- (FLOR0)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
GERMANY	- (KARM0Y)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
GERMANY	- (ABERDEEN)	57.15N	2.07W	1729Z	24	MAR	2026	WATCH
GERMANY	- (HARTLEPOOL)	54.70N	1.20W	2014Z	24	MAR	2026	WATCH
GERMANY	- WESTERLAND	54.92N	8.27E	2243Z	24	MAR	2026	WATCH
GERMANY	- HELGOLAND	54.18N	7.88E	2323Z	24	MAR	2026	WATCH
GERMANY	- NORDERNEY	53.70N	7.15E	0000Z	25	MAR	2026	WATCH
GERMANY	- ALTE WESER LT	53.87N	8.13E	0005Z	25	MAR	2026	WATCH
GERMANY	- BORKUM	53.55N	6.75E	0017Z	25	MAR	2026	WATCH
GERMANY	- CUXHAVEN	53.87N	8.72E	0051Z	25	MAR	2026	WATCH
GERMANY	- BUSUM	54.12N	8.87E	0157Z	25	MAR	2026	WATCH
NORWAY	- (BLOM0Y)	60.53N	4.88E	1551Z	25	MAR	2026	WATCH
NORWAY	- (FLOR0)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
NORWAY	- (KARM0Y)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
NETHERLANDS	- DOMBURG	51.57N	3.49E	2116Z	24	MAR	2026	WATCH
NETHERLANDS	- ZANDVOORT	52.37N	4.52E	2247Z	24	MAR	2026	WATCH
ICELAND	- VIK	63.41N	19.01W	1348Z	24	MAR	2026	WATCH
SWEDEN	- OFF-SHORE SITE1	58.50N	11.00E	1842Z	24	MAR	2026	WATCH
CAPE VERDE	- PALMEIRA	16.79N	22.99W	1229Z	24	MAR	2026	WATCH
MAURITANIA	- NOUAKCHOTT	18.08N	16.03W	1310Z	24	MAR	2026	WATCH
BELGIUM	- OOSTENDE	51.21N	2.88E	2026Z	24	MAR	2026	WATCH

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS. THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

END OF TSUNAMI EXERCISE MESSAGE NUMBER 006

**The 7th message would be like:**

TSUNAMI EXERCISE MESSAGE NUMBER 007  
NEAM IPMA TSUNAMI SERVICE PROVIDER  
ISSUED AT 1039Z 24 MAR 2026

... TSUNAMI WATCH ONGOING ...  
THIS ALERT APPLIES TO BELGIUM ... CAPE VERDE ... DENMARK ... FRANCE ... GERMANY  
... ICELAND ... IRELAND ... MAURITANIA ... MOROCCO ... NETHERLANDS ... NORWAY ...  
PORTUGAL ... SPAIN ... SWEDEN ... UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY  
NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE  
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY  
ACTIONS TO BE TAKEN IN RESPONSE

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0900Z 24 MAR 2026  
COORDINATES - 36.64 NORTH 11.80 WEST  
DEPTH - 5 KM  
LOCATION - Azores-Cape St. Vincent Ridge  
MAGNITUDE - 8.5

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY

GAUGE LOCATION	LAT	LON	TIME	AMPL	PER
PT - SESIMBRA	38.44N	9.11W	0930Z 24 MAR 2026	2.55M	39.00MIN
PT - ARRIFANA	37.30N	8.87W	0930Z 24 MAR 2026	5.47M	26.00MIN
PT - SAGRES	37.01N	8.93W	0950Z 24 MAR 2026	7.29M	14.00MIN
PT - CASCAIS	38.69N	9.42W	0927Z 24 MAR 2026	4.16M	22.00MIN
PT - LISBOA-ALCANTARA	38.71N	9.13W	0937Z 24 MAR 2026	2.85M	28.00MIN
PT - SINES	37.95N	8.89W	0933Z 24 MAR 2026	7.62M	27.00MIN
PT - SINES_T21	37.94N	8.85W	0933Z 24 MAR 2026	7.29M	25.00MIN
PT - FARO	36.98N	7.87W	0942Z 24 MAR 2026	1.88M	20.00MIN
PT - PENICHE	39.35N	9.37W	0954Z 24 MAR 2026	2.83M	57.00MIN
PT - LAGOS	37.08N	8.68W	0939Z 24 MAR 2026	3.53M	20.00MIN
PT - PORTO SANTO	33.06N	16.31W	1027Z 24 MAR 2026	2.69M	8.00MIN
PT - NAZARE	39.59N	9.05W	1034Z 24 MAR 2026	2.33M	13.00MIN
PT - SETUBAL	38.49N	8.93W	0933Z 24 MAR 2026	2.50M	19.00MIN
PT - SETUBAL_CLUBE_NAVAL	38.52N	8.89W	0933Z 24 MAR 2026	2.57M	19.00MIN
PT - TROIA	38.49N	8.90W	0933Z 24 MAR 2026	2.32M	18.00MIN
PT - FUNCHAL	32.64N	16.91W	1019Z 24 MAR 2026	2.44M	9.00MIN
MA - EL JADIDA	33.25N	8.50W	0956Z 24 MAR 2026	4.34M	17.00MIN
PT - ALBUFEIRA	37.08N	8.26W	1036Z 24 MAR 2026	2.75M	15.00MIN
PT - V.R.STO.ANTONIO	37.19N	7.41W	0959Z 24 MAR 2026	1.63M	38.00MIN
PT - VIANA DO CASTELO	41.70N	8.84W	1007Z 24 MAR 2026	1.53M	39.00MIN
PT - FIGUEIRA DA FOZ	40.15N	8.86W	1001Z 24 MAR 2026	2.14M	29.00MIN
PT - LEIXOES	41.19N	8.70W	1002Z 24 MAR 2026	1.84M	24.00MIN
ES - TARIFA	36.01N	5.60W	1021Z 24 MAR 2026	1.43M	34.00MIN
ES - HUELVA	37.13N	6.83W	1006Z 24 MAR 2026	1.73M	29.00MIN
ES - ARRECIFE	28.97N	13.53W	1032Z 24 MAR 2026	0.82M	10.00MIN
ES - MARIN	42.41N	8.69W	1009Z 24 MAR 2026	1.99M	17.00MIN
ES - LAS PALMAS	28.14N	15.41W	1020Z 24 MAR 2026	0.65M	20.00MIN
ES - LA PALMA	28.68N	17.77W	1033Z 24 MAR 2026	1.03M	12.00MIN
ES - TENERIFE	28.48N	16.24W	1023Z 24 MAR 2026	0.87M	22.00MIN
GB - GIBRALTAR	36.13N	5.35W	1036Z 24 MAR 2026	0.49M	40.00MIN
ES - LA PALMA W	28.64N	17.94W	1025Z 24 MAR 2026	0.92M	21.00MIN
ES - ALGECIRAS	36.18N	5.40W	1036Z 24 MAR 2026	0.49M	39.00MIN
ES - GOMERA	28.09N	17.11W	1032Z 24 MAR 2026	0.62M	21.00MIN
ES - FUERTEVENTURA	28.49N	13.86W	1034Z 24 MAR 2026	0.78M	24.00MIN
ES - HIERRO	27.78N	17.90W	1033Z 24 MAR 2026	0.28M	21.00MIN
PT - SANTA MARIA	36.95N	25.15W	1038Z 24 MAR 2026	3.23M	27.00MIN
ES - LANGOSTEIRA	43.35N	8.53W	1032Z 24 MAR 2026	0.78M	33.00MIN

ES - CADIZ	36.54N	6.28W	1009Z	24	MAR	2026	2.08M	28.00MIN
ES - BONANZA	36.80N	6.34W	1006Z	24	MAR	2026	2.00M	27.00MIN
ES - VIGO	42.24N	8.73W	1012Z	24	MAR	2026	1.54M	27.00MIN
ES - VILAGARCIA	42.60N	8.77W	1009Z	24	MAR	2026	1.37M	25.00MIN

LAT - LATITUDE (N-NORTH, S-SOUTH)

LON - LONGITUDE (E-EAST, W-WEST)

TIME - TIME OF THE MEASUREMENT (Z IS UTZ TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN METERS (M).

PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

THIS TSUNAMI CAN STRIKE COASTLINES WITH WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY.

A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

ESTIMATED INITIAL TSUNAMI ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.

LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL (ADVISORY, WATCH)

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PORTUGAL	-	CASCAIS	38.68N	9.45W	0932Z	24	MAR	2026 WATCH
PORTUGAL	-	SAGRES	37.00N	8.94W	0933Z	24	MAR	2026 WATCH
PORTUGAL	-	MADEIRA	33.05N	16.32W	0951Z	24	MAR	2026 WATCH
PORTUGAL	-	NAZARE	39.60N	9.09W	0955Z	24	MAR	2026 WATCH
PORTUGAL	-	ARMACAO DE PERA	37.07N	8.37W	0955Z	24	MAR	2026 WATCH
PORTUGAL	-	PONTA DELGADA	37.67N	25.65W	1045Z	24	MAR	2026 WATCH
PORTUGAL	-	ANGRA	38.62N	27.00W	1054Z	24	MAR	2026 WATCH
PORTUGAL	-	FLORES	39.43N	31.05W	1134Z	24	MAR	2026 WATCH
MOROCCO	-	EL JADIDA	33.25N	8.50W	1003Z	24	MAR	2026 WATCH
MOROCCO	-	SAFIM	32.31N	9.25W	1007Z	24	MAR	2026 WATCH
MOROCCO	-	RABAT	34.03N	6.83W	1008Z	24	MAR	2026 WATCH
MOROCCO	-	CASABLANCA	33.61N	7.59W	1014Z	24	MAR	2026 WATCH
MOROCCO	-	MOGADOR	31.51N	9.77W	1015Z	24	MAR	2026 WATCH
MOROCCO	-	MOHAMMEDIA	33.72N	7.39W	1015Z	24	MAR	2026 WATCH
MOROCCO	-	TANGER	35.78N	5.81W	1019Z	24	MAR	2026 WATCH
MOROCCO	-	AGADIR	30.42N	9.63W	1035Z	24	MAR	2026 WATCH
MOROCCO	-	SIDI IFNI	29.36N	10.19W	1045Z	24	MAR	2026 WATCH
MOROCCO	-	PORT EL AAIUN	27.09N	13.42W	1100Z	24	MAR	2026 WATCH
MOROCCO	-	AL HOCEIMA	35.25N	3.92W	1101Z	24	MAR	2026 WATCH
MOROCCO	-	BOUJDOUR	26.11N	14.49W	1118Z	24	MAR	2026 WATCH
MOROCCO	-	LAGOUIRA	20.83N	17.09W	1235Z	24	MAR	2026 WATCH
MOROCCO	-	DAKHLA	23.69N	15.94W	1309Z	24	MAR	2026 WATCH
SPAIN	-	LAS PALMAS	28.15N	15.33W	1026Z	24	MAR	2026 WATCH
SPAIN	-	CEUTA	35.89N	5.32W	1026Z	24	MAR	2026 WATCH
SPAIN	-	HUELVA	37.16N	6.97W	1029Z	24	MAR	2026 WATCH
SPAIN	-	CADIZ	36.53N	6.29W	1030Z	24	MAR	2026 WATCH
SPAIN	-	ALGECIRAS	36.13N	5.40W	1031Z	24	MAR	2026 WATCH

SPAIN	- SANTA CRUZ	28.47N	16.19W	1032Z	24	MAR	2026	WATCH
SPAIN	- VIGO	42.24N	8.81W	1037Z	24	MAR	2026	WATCH
SPAIN	- CORUNHA	43.43N	8.40W	1044Z	24	MAR	2026	WATCH
SPAIN	- MALAGA	36.66N	4.40W	1054Z	24	MAR	2026	WATCH
SPAIN	- ALMERIA	36.84N	2.47W	1116Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE2	47.00N	14.00W	1028Z	24	MAR	2026	WATCH
UNITED KINGDOM-	GIBRALTAR	36.13N	5.35W	1029Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE1	47.00N	10.00W	1032Z	24	MAR	2026	WATCH
UNITED KINGDOM-	ST MARY'S	49.92N	6.32W	1249Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE3	60.00N	12.00W	1258Z	24	MAR	2026	WATCH
UNITED KINGDOM-	NEWLYN	50.10N	5.55W	1313Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE4	62.00N	4.00W	1403Z	24	MAR	2026	WATCH
UNITED KINGDOM-	LERWICK	60.15N	1.13W	1526Z	24	MAR	2026	WATCH
UNITED KINGDOM-	WHITBY	54.48N	0.62W	2023Z	24	MAR	2026	WATCH
FRANCE	- BAYONNE	43.51N	1.60W	1131Z	24	MAR	2026	WATCH
FRANCE	- BISCARROSSE	44.45N	1.34W	1139Z	24	MAR	2026	WATCH
FRANCE	- LE CONQUET	48.35N	4.83W	1206Z	24	MAR	2026	WATCH
FRANCE	- LORIENT	47.66N	3.39W	1214Z	24	MAR	2026	WATCH
FRANCE	- OLERON	46.02N	1.41W	1235Z	24	MAR	2026	WATCH
FRANCE	- SAINT-NAZAIRE	47.24N	2.26W	1317Z	24	MAR	2026	WATCH
FRANCE	- CHERBOURG	49.67N	1.65W	1507Z	24	MAR	2026	WATCH
FRANCE	- LE HAVRE	49.48N	0.08E	1657Z	24	MAR	2026	WATCH
FRANCE	- CALAIS	51.00N	1.84E	1839Z	24	MAR	2026	WATCH
IRELAND	- CASTLETOWNBERE	51.65N	9.91W	1212Z	24	MAR	2026	WATCH
IRELAND	- BALLYCOTTON	51.83N	8.00W	1329Z	24	MAR	2026	WATCH
IRELAND	- MALIN HEAD	55.35N	7.35W	1336Z	24	MAR	2026	WATCH
IRELAND	- GALWAY PORT	53.26N	9.04W	1414Z	24	MAR	2026	WATCH
IRELAND	- DUNMORE	52.14N	7.00W	1423Z	24	MAR	2026	WATCH
IRELAND	- DUBLIN PORT	53.35N	6.16W	1642Z	24	MAR	2026	WATCH
DENMARK	- SUDERO	61.38N	6.69W	1348Z	24	MAR	2026	WATCH
DENMARK	- MYKKINES	62.12N	7.68W	1407Z	24	MAR	2026	WATCH
DENMARK	- THORSHVAN	62.02N	6.73W	1427Z	24	MAR	2026	WATCH
DENMARK	- KLAKSVIG	62.18N	6.61W	1440Z	24	MAR	2026	WATCH
DENMARK	- ANGMAGSALIK	65.58N	37.61W	1503Z	24	MAR	2026	WATCH
DENMARK	- NANORTALIK	60.12N	45.24W	1509Z	24	MAR	2026	WATCH
DENMARK	- NUUK	64.17N	51.76W	1605Z	24	MAR	2026	WATCH
DENMARK	- ITTOQQORTOORMIIT	70.45N	22.25W	1624Z	24	MAR	2026	WATCH
DENMARK	- HIRTSHALS	57.71N	9.96E	1836Z	24	MAR	2026	WATCH
DENMARK	- HUNDESTED	56.00N	11.85E	2201Z	24	MAR	2026	WATCH
GERMANY	- (LERWICK)	60.15N	1.12W	1526Z	24	MAR	2026	WATCH
GERMANY	- (BLOM0Y)	60.53N	4.88E	1551Z	24	MAR	2026	WATCH
GERMANY	- (FLOR0)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
GERMANY	- (KARM0Y)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
GERMANY	- (ABERDEEN)	57.15N	2.07W	1729Z	24	MAR	2026	WATCH
GERMANY	- (HARTLEPOOL)	54.70N	1.20W	2014Z	24	MAR	2026	WATCH
GERMANY	- WESTERLAND	54.92N	8.27E	2243Z	24	MAR	2026	WATCH
GERMANY	- HELGOLAND	54.18N	7.88E	2323Z	24	MAR	2026	WATCH
GERMANY	- NORDERNEY	53.70N	7.15E	0000Z	25	MAR	2026	WATCH
GERMANY	- ALTE WESER LT	53.87N	8.13E	0005Z	25	MAR	2026	WATCH
GERMANY	- BORKUM	53.55N	6.75E	0017Z	25	MAR	2026	WATCH
GERMANY	- CUXHAVEN	53.87N	8.72E	0051Z	25	MAR	2026	WATCH
GERMANY	- BUSUM	54.12N	8.87E	0157Z	25	MAR	2026	WATCH
NORWAY	- (BLOM0Y)	60.53N	4.88E	1551Z	25	MAR	2026	WATCH
NORWAY	- (FLOR0)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
NORWAY	- (KARM0Y)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
NETHERLANDS	- DOMBURG	51.57N	3.49E	2116Z	24	MAR	2026	WATCH
NETHERLANDS	- ZANDVOORT	52.37N	4.52E	2247Z	24	MAR	2026	WATCH
ICELAND	- VIK	63.41N	19.01W	1348Z	24	MAR	2026	WATCH
SWEDEN	- OFF-SHORE SITE1	58.50N	11.00E	1842Z	24	MAR	2026	WATCH
CAPE VERDE	- PALMEIRA	16.79N	22.99W	1229Z	24	MAR	2026	WATCH
MAURITANIA	- NOUAKCHOTT	18.08N	16.03W	1310Z	24	MAR	2026	WATCH

BELGIUM - OOSTENDE 51.21N 2.88E 2026Z 24 MAR 2026 WATCH

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS. THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

END OF TSUNAMI EXERCISE MESSAGE NUMBER 007

**The 8th message would be like:**

TSUNAMI EXERCISE MESSAGE NUMBER 008  
NEAM IPMA TSUNAMI SERVICE PROVIDER  
ISSUED AT 1138Z 24 MAR 2026

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO BELGIUM ... CAPE VERDE ... DENMARK ... FRANCE ... GERMANY ... ICELAND ... IRELAND ... MAURITANIA ... MOROCCO ... NETHERLANDS ... NORWAY ... PORTUGAL ... SPAIN ... SWEDEN ... UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0900Z 24 MAR 2026  
COORDINATES - 36.64 NORTH 11.80 WEST  
DEPTH - 5 KM  
LOCATION - Azores-Cape St. Vincent Ridge  
MAGNITUDE - 8.5

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY

GAUGE LOCATION	LAT	LON	TIME	AMPL	PER
PT - SESIMBRA	38.44N	9.11W	0930Z 24 MAR 2026	2.55M	39.00MIN
PT - ARRIFANA	37.30N	8.87W	0930Z 24 MAR 2026	5.47M	26.00MIN
PT - SAGRES	37.01N	8.93W	0950Z 24 MAR 2026	7.29M	14.00MIN
PT - CASCAIS	38.69N	9.42W	0927Z 24 MAR 2026	4.16M	22.00MIN
PT - LISBOA-ALCANTARA	38.71N	9.13W	0937Z 24 MAR 2026	2.85M	28.00MIN
PT - SINES	37.95N	8.89W	0933Z 24 MAR 2026	7.62M	27.00MIN
PT - PORTO COVO	37.85N	8.79W	0933Z 24 MAR 2026	6.34M	23.00MIN
PT - SINES_T21	37.94N	8.85W	0933Z 24 MAR 2026	7.29M	25.00MIN
PT - FARO	36.98N	7.87W	1056Z 24 MAR 2026	2.64M	6.00MIN
PT - PENICHE	39.35N	9.37W	1041Z 24 MAR 2026	3.78M	9.00MIN
PT - LAGOS	37.08N	8.68W	0939Z 24 MAR 2026	3.53M	20.00MIN
PT - PORTO SANTO	33.06N	16.31W	1027Z 24 MAR 2026	2.69M	8.00MIN
PT - PORTIMAO	37.12N	8.53W	0942Z 24 MAR 2026	2.62M	29.00MIN
PT - NAZARE	39.59N	9.05W	1104Z 24 MAR 2026	4.31M	12.00MIN
PT - SETUBAL	38.49N	8.93W	1039Z 24 MAR 2026	3.92M	15.00MIN
PT - SETUBAL_CLUBE_NAVAL	38.52N	8.89W	1039Z 24 MAR 2026	3.73M	65.00MIN
PT - TROIA	38.49N	8.90W	1039Z 24 MAR 2026	3.72M	67.00MIN
PT - PORTO MONIZ	32.87N	17.17W	1022Z 24 MAR 2026	2.30M	10.00MIN
PT - FUNCHAL	32.64N	16.91W	1019Z 24 MAR 2026	2.44M	9.00MIN
MA - EL JADIDA	33.25N	8.50W	0956Z 24 MAR 2026	4.34M	17.00MIN
PT - ALBUFEIRA	37.08N	8.26W	1036Z 24 MAR 2026	2.75M	15.00MIN
PT - V.R.STO.ANTONIO	37.19N	7.41W	0959Z 24 MAR 2026	1.63M	38.00MIN
PT - VIANA DO CASTELO	41.70N	8.84W	1007Z 24 MAR 2026	1.53M	39.00MIN
PT - FIGUEIRA DA FOZ	40.15N	8.86W	1001Z 24 MAR 2026	2.14M	29.00MIN
PT - LEIXOES	41.19N	8.70W	1002Z 24 MAR 2026	1.84M	24.00MIN
ES - TARIFA	36.01N	5.60W	1021Z 24 MAR 2026	1.43M	34.00MIN
ES - HUELVA	37.13N	6.83W	1006Z 24 MAR 2026	1.73M	29.00MIN

ES - ARRECIFE	28.97N	13.53W	1107Z	24	MAR	2026	1.67M	12.00MIN
ES - MARIN	42.41N	8.69W	1113Z	24	MAR	2026	2.60M	17.00MIN
ES - LAS PALMAS	28.14N	15.41W	1105Z	24	MAR	2026	1.45M	7.00MIN
ES - LA PALMA	28.68N	17.77W	1047Z	24	MAR	2026	2.20M	9.00MIN
ES - TENERIFE	28.48N	16.24W	1047Z	24	MAR	2026	1.05M	11.00MIN
GB - GIBRALTAR	36.13N	5.35W	1036Z	24	MAR	2026	0.49M	40.00MIN
ES - LA PALMA W	28.64N	17.94W	1050Z	24	MAR	2026	1.36M	13.00MIN
ES - ALGECIRAS	36.18N	5.40W	1036Z	24	MAR	2026	0.49M	39.00MIN
ES - GOMERA	28.09N	17.11W	1122Z	24	MAR	2026	2.16M	17.00MIN
ES - FUERTEVENTURA	28.49N	13.86W	1059Z	24	MAR	2026	2.06M	19.00MIN
ES - HIERRO	27.78N	17.90W	1135Z	24	MAR	2026	0.69M	5.00MIN
PT - SANTA MARIA	36.95N	25.15W	1055Z	24	MAR	2026	4.65M	12.00MIN
ES - LANGOSTEIRA	43.35N	8.53W	1032Z	24	MAR	2026	0.78M	33.00MIN
ES - FERROL	43.46N	8.33W	1133Z	24	MAR	2026	1.92M	42.00MIN
ES - CADIZ	36.54N	6.28W	1009Z	24	MAR	2026	2.08M	28.00MIN
PT - PONTA DELGADA	37.73N	25.68W	1100Z	24	MAR	2026	2.95M	4.00MIN
ES - BONANZA	36.80N	6.34W	1006Z	24	MAR	2026	2.00M	27.00MIN
PT - ANGRA DO HEROISMO	38.65N	27.22W	1105Z	24	MAR	2026	1.73M	12.00MIN
ES - VIGO	42.24N	8.73W	1113Z	24	MAR	2026	1.96M	14.00MIN
ES - VILAGARCIA	42.60N	8.77W	1009Z	24	MAR	2026	1.37M	25.00MIN
PT - HORTA	38.53N	28.62W	1118Z	24	MAR	2026	1.60M	28.00MIN
ES - GIJON	43.56N	5.70W	1049Z	24	MAR	2026	0.31M	31.00MIN
ES - SANTANDER	43.46N	3.79W	1104Z	24	MAR	2026	0.27M	36.00MIN
FR - SOCOA	43.40N	1.68W	1136Z	24	MAR	2026	0.38M	35.00MIN
ES - BILBAO	43.35N	3.05W	1105Z	24	MAR	2026	0.25M	38.00MIN

LAT - LATITUDE (N-NORTH, S-SOUTH)

LON - LONGITUDE (E-EAST, W-WEST)

TIME - TIME OF THE MEASUREMENT (Z IS UTZ TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN METERS (M).

PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

#### EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

THIS TSUNAMI CAN STRIKE COASTLINES WITH WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS

CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY.

A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

ESTIMATED INITIAL TSUNAMI ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.

LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL (ADVISORY, WATCH)

PORTUGAL	- CASCAIS	38.68N	9.45W	0932Z	24	MAR	2026	WATCH
PORTUGAL	- SAGRES	37.00N	8.94W	0933Z	24	MAR	2026	WATCH
PORTUGAL	- MADEIRA	33.05N	16.32W	0951Z	24	MAR	2026	WATCH
PORTUGAL	- NAZARE	39.60N	9.09W	0955Z	24	MAR	2026	WATCH
PORTUGAL	- ARMACAO DE PERA	37.07N	8.37W	0955Z	24	MAR	2026	WATCH
PORTUGAL	- PONTA DELGADA	37.67N	25.65W	1045Z	24	MAR	2026	WATCH

PORTUGAL	- ANGRA	38.62N	27.00W	1054Z	24	MAR	2026	WATCH
PORTUGAL	- FLORES	39.43N	31.05W	1134Z	24	MAR	2026	WATCH
MOROCCO	- EL JADIDA	33.25N	8.50W	1003Z	24	MAR	2026	WATCH
MOROCCO	- SAFIM	32.31N	9.25W	1007Z	24	MAR	2026	WATCH
MOROCCO	- RABAT	34.03N	6.83W	1008Z	24	MAR	2026	WATCH
MOROCCO	- CASABLANCA	33.61N	7.59W	1014Z	24	MAR	2026	WATCH
MOROCCO	- MOGADOR	31.51N	9.77W	1015Z	24	MAR	2026	WATCH
MOROCCO	- MOHAMMEDIA	33.72N	7.39W	1015Z	24	MAR	2026	WATCH
MOROCCO	- TANGER	35.78N	5.81W	1019Z	24	MAR	2026	WATCH
MOROCCO	- AGADIR	30.42N	9.63W	1035Z	24	MAR	2026	WATCH
MOROCCO	- SIDI IFNI	29.36N	10.19W	1045Z	24	MAR	2026	WATCH
MOROCCO	- PORT EL AAIUN	27.09N	13.42W	1100Z	24	MAR	2026	WATCH
MOROCCO	- AL HOCEIMA	35.25N	3.92W	1101Z	24	MAR	2026	WATCH
MOROCCO	- BOUJDOUR	26.11N	14.49W	1118Z	24	MAR	2026	WATCH
MOROCCO	- LAGUIRA	20.83N	17.09W	1235Z	24	MAR	2026	WATCH
MOROCCO	- DAKHLA	23.69N	15.94W	1309Z	24	MAR	2026	WATCH
SPAIN	- LAS PALMAS	28.15N	15.33W	1026Z	24	MAR	2026	WATCH
SPAIN	- CEUTA	35.89N	5.32W	1026Z	24	MAR	2026	WATCH
SPAIN	- HUELVA	37.16N	6.97W	1029Z	24	MAR	2026	WATCH
SPAIN	- CADIZ	36.53N	6.29W	1030Z	24	MAR	2026	WATCH
SPAIN	- ALGECIRAS	36.13N	5.40W	1031Z	24	MAR	2026	WATCH
SPAIN	- SANTA CRUZ	28.47N	16.19W	1032Z	24	MAR	2026	WATCH
SPAIN	- VIGO	42.24N	8.81W	1037Z	24	MAR	2026	WATCH
SPAIN	- CORUNHA	43.43N	8.40W	1044Z	24	MAR	2026	WATCH
SPAIN	- MALAGA	36.66N	4.40W	1054Z	24	MAR	2026	WATCH
SPAIN	- ALMERIA	36.84N	2.47W	1116Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE2	47.00N	14.00W	1028Z	24	MAR	2026	WATCH
UNITED KINGDOM-	GIBRALTAR	36.13N	5.35W	1029Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE1	47.00N	10.00W	1032Z	24	MAR	2026	WATCH
UNITED KINGDOM-	ST MARY'S	49.92N	6.32W	1249Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE3	60.00N	12.00W	1258Z	24	MAR	2026	WATCH
UNITED KINGDOM-	NEWLYN	50.10N	5.55W	1313Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE4	62.00N	4.00W	1403Z	24	MAR	2026	WATCH
UNITED KINGDOM-	LERWICK	60.15N	1.13W	1526Z	24	MAR	2026	WATCH
UNITED KINGDOM-	WHITBY	54.48N	0.62W	2023Z	24	MAR	2026	WATCH
FRANCE	- BAYONNE	43.51N	1.60W	1131Z	24	MAR	2026	WATCH
FRANCE	- BISCARROSSE	44.45N	1.34W	1139Z	24	MAR	2026	WATCH
FRANCE	- LE CONQUET	48.35N	4.83W	1206Z	24	MAR	2026	WATCH
FRANCE	- LORIENT	47.66N	3.39W	1214Z	24	MAR	2026	WATCH
FRANCE	- OLERON	46.02N	1.41W	1235Z	24	MAR	2026	WATCH
FRANCE	- SAINT-NAZAIRE	47.24N	2.26W	1317Z	24	MAR	2026	WATCH
FRANCE	- CHERBOURG	49.67N	1.65W	1507Z	24	MAR	2026	WATCH
FRANCE	- LE HAVRE	49.48N	0.08E	1657Z	24	MAR	2026	WATCH
FRANCE	- CALAIS	51.00N	1.84E	1839Z	24	MAR	2026	WATCH
IRELAND	- CASTLETOWNBERE	51.65N	9.91W	1212Z	24	MAR	2026	WATCH
IRELAND	- BALLYCOTTON	51.83N	8.00W	1329Z	24	MAR	2026	WATCH
IRELAND	- MALIN HEAD	55.35N	7.35W	1336Z	24	MAR	2026	WATCH
IRELAND	- GALWAY PORT	53.26N	9.04W	1414Z	24	MAR	2026	WATCH
IRELAND	- DUNMORE	52.14N	7.00W	1423Z	24	MAR	2026	WATCH
IRELAND	- DUBLIN PORT	53.35N	6.16W	1642Z	24	MAR	2026	WATCH
DENMARK	- SUDERO	61.38N	6.69W	1348Z	24	MAR	2026	WATCH
DENMARK	- MYKKINES	62.12N	7.68W	1407Z	24	MAR	2026	WATCH
DENMARK	- THORSHVAN	62.02N	6.73W	1427Z	24	MAR	2026	WATCH
DENMARK	- KLAKSVIG	62.18N	6.61W	1440Z	24	MAR	2026	WATCH
DENMARK	- ANGMAGSALIK	65.58N	37.61W	1503Z	24	MAR	2026	WATCH
DENMARK	- NANORTALIK	60.12N	45.24W	1509Z	24	MAR	2026	WATCH
DENMARK	- NUUK	64.17N	51.76W	1605Z	24	MAR	2026	WATCH
DENMARK	- ITTOQQORTOORMIIT	70.45N	22.25W	1624Z	24	MAR	2026	WATCH
DENMARK	- HIRTSHALS	57.71N	9.96E	1836Z	24	MAR	2026	WATCH
DENMARK	- HUNDESTED	56.00N	11.85E	2201Z	24	MAR	2026	WATCH
GERMANY	- (LERWICK)	60.15N	1.12W	1526Z	24	MAR	2026	WATCH

GERMANY	- (BLOM0Y)	60.53N	4.88E	1551Z	24	MAR	2026	WATCH
GERMANY	- (FLOR0)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
GERMANY	- (KARM0Y)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
GERMANY	- (ABERDEEN)	57.15N	2.07W	1729Z	24	MAR	2026	WATCH
GERMANY	- (HARTLEPOOL)	54.70N	1.20W	2014Z	24	MAR	2026	WATCH
GERMANY	- WESTERLAND	54.92N	8.27E	2243Z	24	MAR	2026	WATCH
GERMANY	- HELGOLAND	54.18N	7.88E	2323Z	24	MAR	2026	WATCH
GERMANY	- NORDERNEY	53.70N	7.15E	0000Z	25	MAR	2026	WATCH
GERMANY	- ALTE WESER LT	53.87N	8.13E	0005Z	25	MAR	2026	WATCH
GERMANY	- BORKUM	53.55N	6.75E	0017Z	25	MAR	2026	WATCH
GERMANY	- CUXHAVEN	53.87N	8.72E	0051Z	25	MAR	2026	WATCH
GERMANY	- BUSUM	54.12N	8.87E	0157Z	25	MAR	2026	WATCH
NORWAY	- (BLOM0Y)	60.53N	4.88E	1551Z	25	MAR	2026	WATCH
NORWAY	- (FLOR0)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
NORWAY	- (KARM0Y)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
NETHERLANDS	- DOMBURG	51.57N	3.49E	2116Z	24	MAR	2026	WATCH
NETHERLANDS	- ZANDVOORT	52.37N	4.52E	2247Z	24	MAR	2026	WATCH
ICELAND	- VIK	63.41N	19.01W	1348Z	24	MAR	2026	WATCH
SWEDEN	- OFF-SHORE SITE1	58.50N	11.00E	1842Z	24	MAR	2026	WATCH
CAPE VERDE	- PALMEIRA	16.79N	22.99W	1229Z	24	MAR	2026	WATCH
MAURITANIA	- NOUAKCHOTT	18.08N	16.03W	1310Z	24	MAR	2026	WATCH
BELGIUM	- OOSTENDE	51.21N	2.88E	2026Z	24	MAR	2026	WATCH

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND  
EVALUATION ALLOWS. THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END  
OF ALERT IS BROADCAST.

END OF TSUNAMI EXERCISE MESSAGE NUMBER 008

**The 9th message would be like:**

TSUNAMI EXERCISE MESSAGE NUMBER 009  
NEAM IPMA TSUNAMI SERVICE PROVIDER  
ISSUED AT 1226Z 24 MAR 2026

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO BELGIUM ... CAPE VERDE ... DENMARK ... FRANCE ... GERMANY  
... ICELAND ... IRELAND ... MAURITANIA ... MOROCCO ... NETHERLANDS ... NORWAY ...  
PORTUGAL ... SPAIN ... SWEDEN ... UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY  
NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE  
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY  
ACTIONS TO BE TAKEN IN RESPONSE

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 0900Z 24 MAR 2026  
COORDINATES - 36.64 NORTH 11.80 WEST  
DEPTH - 5 KM  
LOCATION - Azores-Cape St. Vincent Ridge  
MAGNITUDE - 8.5

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY

GAUGE LOCATION	LAT	Lon	TIME	AMPL	PER
PT - SESIMBRA	38.44N	9.11W	1138Z 24 MAR 2026	2.81M	10.00MIN
PT - ARRIFANA	37.30N	8.87W	0930Z 24 MAR 2026	5.47M	26.00MIN
PT - SAGRES	37.01N	8.93W	0950Z 24 MAR 2026	7.29M	14.00MIN
PT - CASCAIS	38.69N	9.42W	0927Z 24 MAR 2026	4.16M	22.00MIN
PT - LISBOA-ALCANTARA	38.71N	9.13W	0937Z 24 MAR 2026	2.85M	28.00MIN

PT - SINES	37.95N	8.89W	0933Z	24	MAR	2026	7.62M	27.00MIN
PT - PORTO COVO	37.85N	8.79W	0933Z	24	MAR	2026	6.34M	23.00MIN
PT - SINES_T21	37.94N	8.85W	0933Z	24	MAR	2026	7.29M	25.00MIN
PT - FARO	36.98N	7.87W	1056Z	24	MAR	2026	2.64M	6.00MIN
PT - PENICHE	39.35N	9.37W	1041Z	24	MAR	2026	3.78M	9.00MIN
PT - LAGOS	37.08N	8.68W	0939Z	24	MAR	2026	3.53M	20.00MIN
PT - PORTO SANTO	33.06N	16.31W	1027Z	24	MAR	2026	2.69M	8.00MIN
PT - PORTIMAO	37.12N	8.53W	0942Z	24	MAR	2026	2.62M	29.00MIN
PT - NAZARE	39.59N	9.05W	1104Z	24	MAR	2026	4.31M	12.00MIN
PT - SETUBAL	38.49N	8.93W	1140Z	24	MAR	2026	3.96M	39.00MIN
PT - SETUBAL_CLUBE_NAVAL	38.52N	8.89W	1039Z	24	MAR	2026	3.73M	65.00MIN
PT - TROIA	38.49N	8.90W	1039Z	24	MAR	2026	3.72M	67.00MIN
PT - PORTO MONIZ	32.87N	17.17W	1022Z	24	MAR	2026	2.30M	10.00MIN
PT - FUNCHAL	32.64N	16.91W	1019Z	24	MAR	2026	2.44M	9.00MIN
MA - EL JADIDA	33.25N	8.50W	0956Z	24	MAR	2026	4.34M	17.00MIN
PT - ALBUFEIRA	37.08N	8.26W	1036Z	24	MAR	2026	2.75M	15.00MIN
PT - V.R.STO.ANTONIO	37.19N	7.41W	0959Z	24	MAR	2026	1.63M	38.00MIN
PT - VIANA DO CASTELO	41.70N	8.84W	1007Z	24	MAR	2026	1.53M	39.00MIN
PT - FIGUEIRA DA FOZ	40.15N	8.86W	1207Z	24	MAR	2026	2.54M	15.00MIN
PT - LEIXOES	41.19N	8.70W	1002Z	24	MAR	2026	1.84M	24.00MIN
PT - AVEIRO	40.64N	8.75W	1148Z	24	MAR	2026	1.68M	24.00MIN
ES - TARIFA	36.01N	5.60W	1021Z	24	MAR	2026	1.43M	34.00MIN
ES - HUELVA	37.13N	6.83W	1006Z	24	MAR	2026	1.73M	29.00MIN
ES - ARRECIFE	28.97N	13.53W	1107Z	24	MAR	2026	1.67M	12.00MIN
ES - MARIN	42.41N	8.69W	1113Z	24	MAR	2026	2.60M	17.00MIN
ES - LAS PALMAS	28.14N	15.41W	1105Z	24	MAR	2026	1.45M	7.00MIN
ES - LA PALMA	28.68N	17.77W	1047Z	24	MAR	2026	2.20M	9.00MIN
ES - TENERIFE	28.48N	16.24W	1155Z	24	MAR	2026	2.05M	19.00MIN
GB - GIBRALTAR	36.13N	5.35W	1036Z	24	MAR	2026	0.49M	40.00MIN
ES - LA PALMA W	28.64N	17.94W	1050Z	24	MAR	2026	1.36M	13.00MIN
ES - ALGECIRAS	36.18N	5.40W	1036Z	24	MAR	2026	0.49M	39.00MIN
ES - GOMERA	28.09N	17.11W	1122Z	24	MAR	2026	2.16M	17.00MIN
ES - FUERTEVENTURA	28.49N	13.86W	1059Z	24	MAR	2026	2.06M	19.00MIN
ES - HIERRO	27.78N	17.90W	1135Z	24	MAR	2026	0.69M	5.00MIN
PT - SANTA MARIA	36.95N	25.15W	1055Z	24	MAR	2026	4.65M	12.00MIN
ES - LANGOSTEIRA	43.35N	8.53W	1032Z	24	MAR	2026	0.78M	33.00MIN
ES - FERROL	43.46N	8.33W	1133Z	24	MAR	2026	1.92M	42.00MIN
ES - CADIZ	36.54N	6.28W	1009Z	24	MAR	2026	2.08M	28.00MIN
PT - PONTA DELGADA	37.73N	25.68W	1100Z	24	MAR	2026	2.95M	4.00MIN
ES - BONANZA	36.80N	6.34W	1006Z	24	MAR	2026	2.00M	27.00MIN
PT - ANGRA DO HEROISMO	38.65N	27.22W	1105Z	24	MAR	2026	1.73M	12.00MIN
ES - VIGO	42.24N	8.73W	1113Z	24	MAR	2026	1.96M	14.00MIN
ES - VILAGARCIA	42.60N	8.77W	1009Z	24	MAR	2026	1.37M	25.00MIN
PT - HORTA	38.53N	28.62W	1201Z	24	MAR	2026	3.91M	11.00MIN
ES - GIJON	43.56N	5.70W	1049Z	24	MAR	2026	0.31M	31.00MIN
ES - SANTANDER	43.46N	3.79W	1104Z	24	MAR	2026	0.27M	36.00MIN
FR - SOCOA	43.40N	1.68W	1136Z	24	MAR	2026	0.38M	35.00MIN
ES - BILBAO	43.35N	3.05W	1105Z	24	MAR	2026	0.25M	38.00MIN
PT - FLORES	39.38N	31.17W	1140Z	24	MAR	2026	2.46M	13.00MIN
FR - LE CONQUET	48.36N	4.78W	1217Z	24	MAR	2026	0.54M	35.00MIN
FR - PORT-TUDY	47.64N	3.45W	1205Z	24	MAR	2026	0.59M	29.00MIN
CV - PALMEIRA	16.75N	22.98W	1224Z	24	MAR	2026	0.19M	25.00MIN
FR - BREST	48.38N	4.50W	1217Z	24	MAR	2026	0.55M	31.00MIN
FR - LES SAB. D'OLLONE	46.50N	1.79W	1204Z	24	MAR	2026	0.46M	33.00MIN
FR - L'HERBOUDIÈRE	47.02N	2.30W	1204Z	24	MAR	2026	0.42M	32.00MIN
FR - SAINT_NAZAIRE	47.26N	2.20W	1206Z	24	MAR	2026	0.48M	32.00MIN
FR - PORT-BLOC	45.57N	1.06W	1153Z	24	MAR	2026	0.23M	31.00MIN

LAT - LATITUDE (N-NORTH, S-SOUTH)

LON - LONGITUDE (E-EAST, W-WEST)

TIME - TIME OF THE MEASUREMENT (Z IS UTZ TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL  
IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.  
VALUES ARE GIVEN IN METERS (M) .  
PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

## EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
THIS TSUNAMI CAN STRIKE COASTLINES WITH WAVE HEIGHT GREATER THAN  
0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS  
CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE  
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A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE  
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ESTIMATED INITIAL TSUNAMI ARRIVAL TIMES AT FORECAST POINTS WITHIN  
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LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL (ADVISORY, WATCH)

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PORTUGAL	-	CASCAIS	38.68N	9.45W	0932Z	24	MAR	2026	WATCH
PORTUGAL	-	SAGRES	37.00N	8.94W	0933Z	24	MAR	2026	WATCH
PORTUGAL	-	MADEIRA	33.05N	16.32W	0951Z	24	MAR	2026	WATCH
PORTUGAL	-	NAZARE	39.60N	9.09W	0955Z	24	MAR	2026	WATCH
PORTUGAL	-	ARMACAO DE PERA	37.07N	8.37W	0955Z	24	MAR	2026	WATCH
PORTUGAL	-	PONTA DELGADA	37.67N	25.65W	1045Z	24	MAR	2026	WATCH
PORTUGAL	-	ANGRA	38.62N	27.00W	1054Z	24	MAR	2026	WATCH
PORTUGAL	-	FLORES	39.43N	31.05W	1134Z	24	MAR	2026	WATCH
MOROCCO	-	EL JADIDA	33.25N	8.50W	1003Z	24	MAR	2026	WATCH
MOROCCO	-	SAFIM	32.31N	9.25W	1007Z	24	MAR	2026	WATCH
MOROCCO	-	RABAT	34.03N	6.83W	1008Z	24	MAR	2026	WATCH
MOROCCO	-	CASABLANCA	33.61N	7.59W	1014Z	24	MAR	2026	WATCH
MOROCCO	-	MOGADOR	31.51N	9.77W	1015Z	24	MAR	2026	WATCH
MOROCCO	-	MOHAMMEDIA	33.72N	7.39W	1015Z	24	MAR	2026	WATCH
MOROCCO	-	TANGER	35.78N	5.81W	1019Z	24	MAR	2026	WATCH
MOROCCO	-	AGADIR	30.42N	9.63W	1035Z	24	MAR	2026	WATCH
MOROCCO	-	SIDI IFNI	29.36N	10.19W	1045Z	24	MAR	2026	WATCH
MOROCCO	-	PORT EL AAIUN	27.09N	13.42W	1100Z	24	MAR	2026	WATCH
MOROCCO	-	AL HOCEIMA	35.25N	3.92W	1101Z	24	MAR	2026	WATCH
MOROCCO	-	BOUJDOUR	26.11N	14.49W	1118Z	24	MAR	2026	WATCH
MOROCCO	-	LAGOUIRA	20.83N	17.09W	1235Z	24	MAR	2026	WATCH
MOROCCO	-	DAKHLA	23.69N	15.94W	1309Z	24	MAR	2026	WATCH
SPAIN	-	LAS PALMAS	28.15N	15.33W	1026Z	24	MAR	2026	WATCH
SPAIN	-	CEUTA	35.89N	5.32W	1026Z	24	MAR	2026	WATCH
SPAIN	-	HUELVA	37.16N	6.97W	1029Z	24	MAR	2026	WATCH
SPAIN	-	CADIZ	36.53N	6.29W	1030Z	24	MAR	2026	WATCH
SPAIN	-	ALGECIRAS	36.13N	5.40W	1031Z	24	MAR	2026	WATCH
SPAIN	-	SANTA CRUZ	28.47N	16.19W	1032Z	24	MAR	2026	WATCH
SPAIN	-	VIGO	42.24N	8.81W	1037Z	24	MAR	2026	WATCH
SPAIN	-	CORUNHA	43.43N	8.40W	1044Z	24	MAR	2026	WATCH
SPAIN	-	MALAGA	36.66N	4.40W	1054Z	24	MAR	2026	WATCH
SPAIN	-	ALMERIA	36.84N	2.47W	1116Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE	SITE2	47.00N	14.00W	1028Z	24	MAR	2026	WATCH
UNITED KINGDOM-	GIBRALTAR		36.13N	5.35W	1029Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE	SITE1	47.00N	10.00W	1032Z	24	MAR	2026	WATCH

UNITED KINGDOM-	ST MARY'S	49.92N	6.32W	1249Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE3	60.00N	12.00W	1258Z	24	MAR	2026	WATCH
UNITED KINGDOM-	NEWLYN	50.10N	5.55W	1313Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE4	62.00N	4.00W	1403Z	24	MAR	2026	WATCH
UNITED KINGDOM-	LERWICK	60.15N	1.13W	1526Z	24	MAR	2026	WATCH
UNITED KINGDOM-	WHITBY	54.48N	0.62W	2023Z	24	MAR	2026	WATCH
FRANCE	- BAYONNE	43.51N	1.60W	1131Z	24	MAR	2026	WATCH
FRANCE	- BISCARROSSE	44.45N	1.34W	1139Z	24	MAR	2026	WATCH
FRANCE	- LE CONQUET	48.35N	4.83W	1206Z	24	MAR	2026	WATCH
FRANCE	- LORIENT	47.66N	3.39W	1214Z	24	MAR	2026	WATCH
FRANCE	- OLERON	46.02N	1.41W	1235Z	24	MAR	2026	WATCH
FRANCE	- SAINT-NAZAIRE	47.24N	2.26W	1317Z	24	MAR	2026	WATCH
FRANCE	- CHERBOURG	49.67N	1.65W	1507Z	24	MAR	2026	WATCH
FRANCE	- LE HAVRE	49.48N	0.08E	1657Z	24	MAR	2026	WATCH
FRANCE	- CALAIS	51.00N	1.84E	1839Z	24	MAR	2026	WATCH
IRELAND	- CASTLETOWNBERE	51.65N	9.91W	1212Z	24	MAR	2026	WATCH
IRELAND	- BALLYCOTTON	51.83N	8.00W	1329Z	24	MAR	2026	WATCH
IRELAND	- MALIN HEAD	55.35N	7.35W	1336Z	24	MAR	2026	WATCH
IRELAND	- GALWAY PORT	53.26N	9.04W	1414Z	24	MAR	2026	WATCH
IRELAND	- DUNMORE	52.14N	7.00W	1423Z	24	MAR	2026	WATCH
IRELAND	- DUBLIN PORT	53.35N	6.16W	1642Z	24	MAR	2026	WATCH
DENMARK	- SUDERO	61.38N	6.69W	1348Z	24	MAR	2026	WATCH
DENMARK	- MYKKINES	62.12N	7.68W	1407Z	24	MAR	2026	WATCH
DENMARK	- THORSHVAN	62.02N	6.73W	1427Z	24	MAR	2026	WATCH
DENMARK	- KLAKSIVIG	62.18N	6.61W	1440Z	24	MAR	2026	WATCH
DENMARK	- ANGMAGSALIK	65.58N	37.61W	1503Z	24	MAR	2026	WATCH
DENMARK	- NANORTALIK	60.12N	45.24W	1509Z	24	MAR	2026	WATCH
DENMARK	- NUUK	64.17N	51.76W	1605Z	24	MAR	2026	WATCH
DENMARK	- ITTOQQORTOORMIIT	70.45N	22.25W	1624Z	24	MAR	2026	WATCH
DENMARK	- HIRTSHALS	57.71N	9.96E	1836Z	24	MAR	2026	WATCH
DENMARK	- HUNDESTED	56.00N	11.85E	2201Z	24	MAR	2026	WATCH
GERMANY	- (LERWICK)	60.15N	1.12W	1526Z	24	MAR	2026	WATCH
GERMANY	- (BLOM0Y)	60.53N	4.88E	1551Z	24	MAR	2026	WATCH
GERMANY	- (FLOR0)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
GERMANY	- (KARM0Y)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
GERMANY	- (ABERDEEN)	57.15N	2.07W	1729Z	24	MAR	2026	WATCH
GERMANY	- (HARTLEPOOL)	54.70N	1.20W	2014Z	24	MAR	2026	WATCH
GERMANY	- WESTERLAND	54.92N	8.27E	2243Z	24	MAR	2026	WATCH
GERMANY	- HELGOLAND	54.18N	7.88E	2323Z	24	MAR	2026	WATCH
GERMANY	- NORDERNEY	53.70N	7.15E	0000Z	25	MAR	2026	WATCH
GERMANY	- ALTE WESER LT	53.87N	8.13E	0005Z	25	MAR	2026	WATCH
GERMANY	- BORKUM	53.55N	6.75E	0017Z	25	MAR	2026	WATCH
GERMANY	- CUXHAVEN	53.87N	8.72E	0051Z	25	MAR	2026	WATCH
GERMANY	- BUSUM	54.12N	8.87E	0157Z	25	MAR	2026	WATCH
NORWAY	- (BLOM0Y)	60.53N	4.88E	1551Z	25	MAR	2026	WATCH
NORWAY	- (FLOR0)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
NORWAY	- (KARM0Y)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
NETHERLANDS	- DOMBURG	51.57N	3.49E	2116Z	24	MAR	2026	WATCH
NETHERLANDS	- ZANDVOORT	52.37N	4.52E	2247Z	24	MAR	2026	WATCH
ICELAND	- VIK	63.41N	19.01W	1348Z	24	MAR	2026	WATCH
SWEDEN	- OFF-SHORE SITE1	58.50N	11.00E	1842Z	24	MAR	2026	WATCH
CAPE VERDE	- PALMEIRA	16.79N	22.99W	1229Z	24	MAR	2026	WATCH
MAURITANIA	- NOUAKCHOTT	18.08N	16.03W	1310Z	24	MAR	2026	WATCH
BELGIUM	- OOSTENDE	51.21N	2.88E	2026Z	24	MAR	2026	WATCH

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS. THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

END OF TSUNAMI EXERCISE MESSAGE NUMBER 009

**The 10th message would be like:**

TSUNAMI EXERCISE MESSAGE NUMBER 010  
NEAM IPMA TSUNAMI SERVICE PROVIDER  
ISSUED AT 1305Z 24 MAR 2026

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO BELGIUM ... CAPE VERDE ... DENMARK ... FRANCE ... GERMANY  
... ICELAND ... IRELAND ... MAURITANIA ... MOROCCO ... NETHERLANDS ... NORWAY ...  
PORTUGAL ... SPAIN ... SWEDEN ... UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY  
NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE  
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY  
ACTIONS TO BE TAKEN IN RESPONSE

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0900Z 24 MAR 2026  
COORDINATES - 36.64 NORTH 11.80 WEST  
DEPTH - 5 KM  
LOCATION - Azores-Cape St. Vincent Ridge  
MAGNITUDE - 8.5

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY

GAUGE LOCATION	LAT	LON	TIME	AMPL	PER
PT - SESIMBRA	38.44N	9.11W	1138Z 24 MAR 2026	2.81M	10.00MIN
PT - ARRIFANA	37.30N	8.87W	0930Z 24 MAR 2026	5.47M	26.00MIN
PT - SAGRES	37.01N	8.93W	0950Z 24 MAR 2026	7.29M	14.00MIN
PT - CASCAIS	38.69N	9.42W	0927Z 24 MAR 2026	4.16M	22.00MIN
PT - LISBOA-ALCANTARA	38.71N	9.13W	0937Z 24 MAR 2026	2.85M	28.00MIN
PT - SINES	37.95N	8.89W	0933Z 24 MAR 2026	7.62M	27.00MIN
PT - PORTO COVO	37.85N	8.79W	0933Z 24 MAR 2026	6.34M	23.00MIN
PT - SINES_T21	37.94N	8.85W	0933Z 24 MAR 2026	7.29M	25.00MIN
PT - FARO	36.98N	7.87W	1056Z 24 MAR 2026	2.64M	6.00MIN
PT - PENICHE	39.35N	9.37W	1041Z 24 MAR 2026	3.78M	9.00MIN
PT - LAGOS	37.08N	8.68W	0939Z 24 MAR 2026	3.53M	20.00MIN
PT - PORTO SANTO	33.06N	16.31W	1027Z 24 MAR 2026	2.69M	8.00MIN
PT - PORTIMAO	37.12N	8.53W	0942Z 24 MAR 2026	2.62M	29.00MIN
PT - NAZARE	39.59N	9.05W	1104Z 24 MAR 2026	4.31M	12.00MIN
PT - SETUBAL	38.49N	8.93W	1140Z 24 MAR 2026	3.96M	39.00MIN
PT - SETUBAL_CLUBE_NAVAL	38.52N	8.89W	1039Z 24 MAR 2026	3.73M	65.00MIN
PT - TROIA	38.49N	8.90W	1039Z 24 MAR 2026	3.72M	67.00MIN
PT - PORTO MONIZ	32.87N	17.17W	1022Z 24 MAR 2026	2.30M	10.00MIN
PT - FUNCHAL	32.64N	16.91W	1019Z 24 MAR 2026	2.44M	9.00MIN
MA - EL JADIDA	33.25N	8.50W	0956Z 24 MAR 2026	4.34M	17.00MIN
PT - ALBUFEIRA	37.08N	8.26W	1036Z 24 MAR 2026	2.75M	15.00MIN
PT - V.R.STO.ANTONIO	37.19N	7.41W	0959Z 24 MAR 2026	1.63M	38.00MIN
PT - VIANA DO CASTELO	41.70N	8.84W	1007Z 24 MAR 2026	1.53M	39.00MIN
PT - FIGUEIRA DA FOZ	40.15N	8.86W	1207Z 24 MAR 2026	2.54M	15.00MIN
PT - LEIXOES	41.19N	8.70W	1002Z 24 MAR 2026	1.84M	24.00MIN
PT - AVEIRO	40.64N	8.75W	1148Z 24 MAR 2026	1.68M	24.00MIN
ES - TARIFA	36.01N	5.60W	1021Z 24 MAR 2026	1.43M	34.00MIN
ES - HUELVA	37.13N	6.83W	1006Z 24 MAR 2026	1.73M	29.00MIN
ES - ARRECIFE	28.97N	13.53W	1107Z 24 MAR 2026	1.67M	12.00MIN
ES - MARIN	42.41N	8.69W	1113Z 24 MAR 2026	2.60M	17.00MIN
ES - LAS PALMAS	28.14N	15.41W	1105Z 24 MAR 2026	1.45M	7.00MIN
ES - LA PALMA	28.68N	17.77W	1047Z 24 MAR 2026	2.20M	9.00MIN
ES - TENERIFE	28.48N	16.24W	1155Z 24 MAR 2026	2.05M	19.00MIN
GB - GIBRALTAR	36.13N	5.35W	1036Z 24 MAR 2026	0.49M	40.00MIN
ES - LA PALMA W	28.64N	17.94W	1050Z 24 MAR 2026	1.36M	13.00MIN
ES - ALGECIRAS	36.18N	5.40W	1036Z 24 MAR 2026	0.49M	39.00MIN

ES - GOMERA	28.09N	17.11W	1122Z	24	MAR	2026	2.16M	17.00MIN
ES - FUERTEVENTURA	28.49N	13.86W	1059Z	24	MAR	2026	2.06M	19.00MIN
ES - HIERRO	27.78N	17.90W	1135Z	24	MAR	2026	0.69M	5.00MIN
PT - SANTA MARIA	36.95N	25.15W	1055Z	24	MAR	2026	4.65M	12.00MIN
ES - LANGOSTEIRA	43.35N	8.53W	1032Z	24	MAR	2026	0.78M	33.00MIN
ES - FERROL	43.46N	8.33W	1133Z	24	MAR	2026	1.92M	42.00MIN
ES - CADIZ	36.54N	6.28W	1009Z	24	MAR	2026	2.08M	28.00MIN
PT - PONTA DELGADA	37.73N	25.68W	1100Z	24	MAR	2026	2.95M	4.00MIN
ES - BONANZA	36.80N	6.34W	1226Z	24	MAR	2026	2.40M	26.00MIN
PT - ANGRA DO HEROISMO	38.65N	27.22W	1105Z	24	MAR	2026	1.73M	12.00MIN
ES - VIGO	42.24N	8.73W	1113Z	24	MAR	2026	1.96M	14.00MIN
ES - VILAGARCIA	42.60N	8.77W	1009Z	24	MAR	2026	1.37M	25.00MIN
PT - HORTA	38.53N	28.62W	1201Z	24	MAR	2026	3.91M	11.00MIN
ES - GIJON	43.56N	5.70W	1049Z	24	MAR	2026	0.31M	31.00MIN
ES - SANTANDER	43.46N	3.79W	1104Z	24	MAR	2026	0.27M	36.00MIN
FR - SOCOA	43.40N	1.68W	1136Z	24	MAR	2026	0.38M	35.00MIN
ES - BILBAO	43.35N	3.05W	1105Z	24	MAR	2026	0.25M	38.00MIN
PT - FLORES	39.38N	31.17W	1140Z	24	MAR	2026	2.46M	13.00MIN
FR - LE CONQUET	48.36N	4.78W	1217Z	24	MAR	2026	0.54M	35.00MIN
FR - PORT-TUDY	47.64N	3.45W	1252Z	24	MAR	2026	0.80M	13.00MIN
CV - PALMEIRA	16.75N	22.98W	1247Z	24	MAR	2026	0.68M	13.00MIN
FR - BREST	48.38N	4.50W	1217Z	24	MAR	2026	0.55M	31.00MIN
FR - LES SAB. D'OLLONE	46.50N	1.79W	1204Z	24	MAR	2026	0.46M	33.00MIN
FR - L'HERBOUDIÈRE	47.02N	2.30W	1204Z	24	MAR	2026	0.42M	32.00MIN
MR - NOUAKCHOTT	18.10N	15.95W	1303Z	24	MAR	2026	0.30M	69.00MIN
SN - DAKKAR	14.68N	17.42W	1303Z	24	MAR	2026	0.17M	21.00MIN
FR - SAINT NAZAIRE	47.26N	2.20W	1206Z	24	MAR	2026	0.48M	32.00MIN
FR - PORT-BLOC	45.57N	1.06W	1153Z	24	MAR	2026	0.23M	31.00MIN

LAT - LATITUDE (N-NORTH, S-SOUTH)

LON - LONGITUDE (E-EAST, W-WEST)

TIME - TIME OF THE MEASUREMENT (Z IS UTZ TIME)

AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL

IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.

VALUES ARE GIVEN IN METERS (M).

PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

#### EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

THIS TSUNAMI CAN STRIKE COASTLINES WITH WAVE HEIGHT GREATER THAN 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS

CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE

REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED.

AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS

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ESTIMATED INITIAL TSUNAMI ARRIVAL TIMES AT FORECAST POINTS WITHIN

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LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL (ADVISORY, WATCH)

PORTUGAL	- CASCAIS	38.68N	9.45W	0932Z	24	MAR	2026	WATCH
PORTUGAL	- SAGRES	37.00N	8.94W	0933Z	24	MAR	2026	WATCH
PORTUGAL	- MADEIRA	33.05N	16.32W	0951Z	24	MAR	2026	WATCH

PORTUGAL	- NAZARE	39.60N	9.09W	0955Z	24	MAR	2026	WATCH
PORTUGAL	- ARMACAO DE PERA	37.07N	8.37W	0955Z	24	MAR	2026	WATCH
PORTUGAL	- PONTA DELGADA	37.67N	25.65W	1045Z	24	MAR	2026	WATCH
PORTUGAL	- ANGRA	38.62N	27.00W	1054Z	24	MAR	2026	WATCH
PORTUGAL	- FLORES	39.43N	31.05W	1134Z	24	MAR	2026	WATCH
MOROCCO	- EL JADIDA	33.25N	8.50W	1003Z	24	MAR	2026	WATCH
MOROCCO	- SAFIM	32.31N	9.25W	1007Z	24	MAR	2026	WATCH
MOROCCO	- RABAT	34.03N	6.83W	1008Z	24	MAR	2026	WATCH
MOROCCO	- CASABLANCA	33.61N	7.59W	1014Z	24	MAR	2026	WATCH
MOROCCO	- MOGADOR	31.51N	9.77W	1015Z	24	MAR	2026	WATCH
MOROCCO	- MOHAMMEDIA	33.72N	7.39W	1015Z	24	MAR	2026	WATCH
MOROCCO	- TANGER	35.78N	5.81W	1019Z	24	MAR	2026	WATCH
MOROCCO	- AGADIR	30.42N	9.63W	1035Z	24	MAR	2026	WATCH
MOROCCO	- SIDI IFNI	29.36N	10.19W	1045Z	24	MAR	2026	WATCH
MOROCCO	- PORT EL AAIUN	27.09N	13.42W	1100Z	24	MAR	2026	WATCH
MOROCCO	- AL HOCEIMA	35.25N	3.92W	1101Z	24	MAR	2026	WATCH
MOROCCO	- BOUJDOUR	26.11N	14.49W	1118Z	24	MAR	2026	WATCH
MOROCCO	- LAGOUIRA	20.83N	17.09W	1235Z	24	MAR	2026	WATCH
MOROCCO	- DAKHLA	23.69N	15.94W	1309Z	24	MAR	2026	WATCH
SPAIN	- LAS PALMAS	28.15N	15.33W	1026Z	24	MAR	2026	WATCH
SPAIN	- CEUTA	35.89N	5.32W	1026Z	24	MAR	2026	WATCH
SPAIN	- HUELVA	37.16N	6.97W	1029Z	24	MAR	2026	WATCH
SPAIN	- CADIZ	36.53N	6.29W	1030Z	24	MAR	2026	WATCH
SPAIN	- ALGECIRAS	36.13N	5.40W	1031Z	24	MAR	2026	WATCH
SPAIN	- SANTA CRUZ	28.47N	16.19W	1032Z	24	MAR	2026	WATCH
SPAIN	- VIGO	42.24N	8.81W	1037Z	24	MAR	2026	WATCH
SPAIN	- CORUNHA	43.43N	8.40W	1044Z	24	MAR	2026	WATCH
SPAIN	- MALAGA	36.66N	4.40W	1054Z	24	MAR	2026	WATCH
SPAIN	- ALMERIA	36.84N	2.47W	1116Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE2	47.00N	14.00W	1028Z	24	MAR	2026	WATCH
UNITED KINGDOM-	GIBRALTAR	36.13N	5.35W	1029Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE1	47.00N	10.00W	1032Z	24	MAR	2026	WATCH
UNITED KINGDOM-	ST MARY'S	49.92N	6.32W	1249Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE3	60.00N	12.00W	1258Z	24	MAR	2026	WATCH
UNITED KINGDOM-	NEWLYN	50.10N	5.55W	1313Z	24	MAR	2026	WATCH
UNITED KINGDOM-	OFF-SHORE SITE4	62.00N	4.00W	1403Z	24	MAR	2026	WATCH
UNITED KINGDOM-	LERWICK	60.15N	1.13W	1526Z	24	MAR	2026	WATCH
UNITED KINGDOM-	WHITBY	54.48N	0.62W	2023Z	24	MAR	2026	WATCH
FRANCE	- BAYONNE	43.51N	1.60W	1131Z	24	MAR	2026	WATCH
FRANCE	- BISCARROSSE	44.45N	1.34W	1139Z	24	MAR	2026	WATCH
FRANCE	- LE CONQUET	48.35N	4.83W	1206Z	24	MAR	2026	WATCH
FRANCE	- LORIENT	47.66N	3.39W	1214Z	24	MAR	2026	WATCH
FRANCE	- OLERON	46.02N	1.41W	1235Z	24	MAR	2026	WATCH
FRANCE	- SAINT-NAZAIRE	47.24N	2.26W	1317Z	24	MAR	2026	WATCH
FRANCE	- CHERBOURG	49.67N	1.65W	1507Z	24	MAR	2026	WATCH
FRANCE	- LE HAVRE	49.48N	0.08E	1657Z	24	MAR	2026	WATCH
FRANCE	- CALAIS	51.00N	1.84E	1839Z	24	MAR	2026	WATCH
IRELAND	- CASTLETOWNBERE	51.65N	9.91W	1212Z	24	MAR	2026	WATCH
IRELAND	- BALLYCOTTON	51.83N	8.00W	1329Z	24	MAR	2026	WATCH
IRELAND	- MALIN HEAD	55.35N	7.35W	1336Z	24	MAR	2026	WATCH
IRELAND	- GALWAY PORT	53.26N	9.04W	1414Z	24	MAR	2026	WATCH
IRELAND	- DUNMORE	52.14N	7.00W	1423Z	24	MAR	2026	WATCH
IRELAND	- DUBLIN PORT	53.35N	6.16W	1642Z	24	MAR	2026	WATCH
DENMARK	- SUDERO	61.38N	6.69W	1348Z	24	MAR	2026	WATCH
DENMARK	- MYKKINES	62.12N	7.68W	1407Z	24	MAR	2026	WATCH
DENMARK	- THORSHVAN	62.02N	6.73W	1427Z	24	MAR	2026	WATCH
DENMARK	- KLAKSVIG	62.18N	6.61W	1440Z	24	MAR	2026	WATCH
DENMARK	- ANGMAGSALIK	65.58N	37.61W	1503Z	24	MAR	2026	WATCH
DENMARK	- NANORTALIK	60.12N	45.24W	1509Z	24	MAR	2026	WATCH
DENMARK	- NUUK	64.17N	51.76W	1605Z	24	MAR	2026	WATCH
DENMARK	- ITTOQQORTOORMIIT	70.45N	22.25W	1624Z	24	MAR	2026	WATCH

DENMARK	- HIRTSHALS	57.71N	9.96E	1836Z	24	MAR	2026	WATCH
DENMARK	- HUNDESTED	56.00N	11.85E	2201Z	24	MAR	2026	WATCH
GERMANY	- (LERWICK)	60.15N	1.12W	1526Z	24	MAR	2026	WATCH
GERMANY	- (BLOMØY)	60.53N	4.88E	1551Z	24	MAR	2026	WATCH
GERMANY	- (FLORØ)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
GERMANY	- (KARMØY)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
GERMANY	- (ABERDEEN)	57.15N	2.07W	1729Z	24	MAR	2026	WATCH
GERMANY	- (HARTLEPOOL)	54.70N	1.20W	2014Z	24	MAR	2026	WATCH
GERMANY	- WESTERLAND	54.92N	8.27E	2243Z	24	MAR	2026	WATCH
GERMANY	- HELGOLAND	54.18N	7.88E	2323Z	24	MAR	2026	WATCH
GERMANY	- NORDERNEY	53.70N	7.15E	0000Z	25	MAR	2026	WATCH
GERMANY	- ALTE WESER LT	53.87N	8.13E	0005Z	25	MAR	2026	WATCH
GERMANY	- BORKUM	53.55N	6.75E	0017Z	25	MAR	2026	WATCH
GERMANY	- CUXHAVEN	53.87N	8.72E	0051Z	25	MAR	2026	WATCH
GERMANY	- BUSUM	54.12N	8.87E	0157Z	25	MAR	2026	WATCH
NORWAY	- (BLOMØY)	60.53N	4.88E	1551Z	25	MAR	2026	WATCH
NORWAY	- (FLORØ)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
NORWAY	- (KARMØY)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
NETHERLANDS	- DOMBURG	51.57N	3.49E	2116Z	24	MAR	2026	WATCH
NETHERLANDS	- ZANDVOORT	52.37N	4.52E	2247Z	24	MAR	2026	WATCH
ICELAND	- VIK	63.41N	19.01W	1348Z	24	MAR	2026	WATCH
SWEDEN	- OFF-SHORE SITE1	58.50N	11.00E	1842Z	24	MAR	2026	WATCH
CAPE VERDE	- PALMEIRA	16.79N	22.99W	1229Z	24	MAR	2026	WATCH
MAURITANIA	- NOUAKCHOTT	18.08N	16.03W	1310Z	24	MAR	2026	WATCH
BELGIUM	- OOSTENDE	51.21N	2.88E	2026Z	24	MAR	2026	WATCH

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS. THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END OF ALERT IS BROADCAST.

END OF TSUNAMI EXERCISE MESSAGE NUMBER 010

**The 11th message would be like:**

TSUNAMI EXERCISE MESSAGE NUMBER 011  
NEAM IPMA TSUNAMI SERVICE PROVIDER  
ISSUED AT 1401Z 24 MAR 2026

... TSUNAMI WATCH ONGOING ...

THIS ALERT APPLIES TO BELGIUM ... CAPE VERDE ... DENMARK ... FRANCE ... GERMANY ... ICELAND ... IRELAND ... MAURITANIA ... MOROCCO ... NETHERLANDS ... NORWAY ... PORTUGAL ... SPAIN ... SWEDEN ... UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0900Z 24 MAR 2026  
COORDINATES - 36.64 NORTH 11.80 WEST  
DEPTH - 5 KM  
LOCATION - Azores-Cape St. Vincent Ridge  
MAGNITUDE - 8.5

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY

GAUGE LOCATION	LAT	LON	TIME	AMPL	PER
PT - SESIMBRA	38.44N	9.11W	1138Z 24 MAR 2026	2.81M	10.00MIN
PT - ARRIFANA	37.30N	8.87W	0930Z 24 MAR 2026	5.47M	26.00MIN
PT - SAGRES	37.01N	8.93W	0950Z 24 MAR 2026	7.29M	14.00MIN

PT - CASCAIS	38.69N	9.42W	0927Z	24	MAR	2026	4.16M	22.00MIN
PT - LISBOA-ALCANTARA	38.71N	9.13W	0937Z	24	MAR	2026	2.85M	28.00MIN
PT - SINES	37.95N	8.89W	0933Z	24	MAR	2026	7.62M	27.00MIN
PT - PORTO COVO	37.85N	8.79W	0933Z	24	MAR	2026	6.34M	23.00MIN
PT - SINES_T21	37.94N	8.85W	0933Z	24	MAR	2026	7.29M	25.00MIN
PT - FARO	36.98N	7.87W	1056Z	24	MAR	2026	2.64M	6.00MIN
PT - PENICHE	39.35N	9.37W	1041Z	24	MAR	2026	3.78M	9.00MIN
PT - LAGOS	37.08N	8.68W	0939Z	24	MAR	2026	3.53M	20.00MIN
PT - PORTO SANTO	33.06N	16.31W	1027Z	24	MAR	2026	2.69M	8.00MIN
PT - PORTIMAO	37.12N	8.53W	0942Z	24	MAR	2026	2.62M	29.00MIN
PT - NAZARE	39.59N	9.05W	1104Z	24	MAR	2026	4.31M	12.00MIN
PT - SETUBAL	38.49N	8.93W	1140Z	24	MAR	2026	3.96M	39.00MIN
PT - SETUBAL_CLUBE_NAVAL	38.52N	8.89W	1039Z	24	MAR	2026	3.73M	65.00MIN
PT - TROIA	38.49N	8.90W	1039Z	24	MAR	2026	3.72M	67.00MIN
PT - PORTO MONIZ	32.87N	17.17W	1022Z	24	MAR	2026	2.30M	10.00MIN
PT - FUNCHAL	32.64N	16.91W	1019Z	24	MAR	2026	2.44M	9.00MIN
MA - EL JADIDA	33.25N	8.50W	0956Z	24	MAR	2026	4.34M	17.00MIN
PT - ALBUFEIRA	37.08N	8.26W	1036Z	24	MAR	2026	2.75M	15.00MIN
PT - V.R.STO.ANTONIO	37.19N	7.41W	0959Z	24	MAR	2026	1.63M	38.00MIN
PT - VIANA DO CASTELO	41.70N	8.84W	1007Z	24	MAR	2026	1.53M	39.00MIN
PT - FIGUEIRA DA FOZ	40.15N	8.86W	1207Z	24	MAR	2026	2.54M	15.00MIN
PT - LEIXOES	41.19N	8.70W	1002Z	24	MAR	2026	1.84M	24.00MIN
PT - AVEIRO	40.64N	8.75W	1148Z	24	MAR	2026	1.68M	24.00MIN
ES - TARIFA	36.01N	5.60W	1021Z	24	MAR	2026	1.43M	34.00MIN
ES - HUELVA	37.13N	6.83W	1006Z	24	MAR	2026	1.73M	29.00MIN
ES - ARRECIFE	28.97N	13.53W	1107Z	24	MAR	2026	1.67M	12.00MIN
ES - MARIN	42.41N	8.69W	1113Z	24	MAR	2026	2.60M	17.00MIN
ES - LAS PALMAS	28.14N	15.41W	1105Z	24	MAR	2026	1.45M	7.00MIN
ES - LA PALMA	28.68N	17.77W	1047Z	24	MAR	2026	2.20M	9.00MIN
ES - TENERIFE	28.48N	16.24W	1155Z	24	MAR	2026	2.05M	19.00MIN
GB - GIBRALTAR	36.13N	5.35W	1036Z	24	MAR	2026	0.49M	40.00MIN
ES - LA PALMA W	28.64N	17.94W	1050Z	24	MAR	2026	1.36M	13.00MIN
ES - ALGECIRAS	36.18N	5.40W	1036Z	24	MAR	2026	0.49M	39.00MIN
ES - GOMERA	28.09N	17.11W	1122Z	24	MAR	2026	2.16M	17.00MIN
ES - FUERTEVENTURA	28.49N	13.86W	1059Z	24	MAR	2026	2.06M	19.00MIN
ES - HIERRO	27.78N	17.90W	1135Z	24	MAR	2026	0.69M	5.00MIN
PT - SANTA MARIA	36.95N	25.15W	1055Z	24	MAR	2026	4.65M	12.00MIN
ES - LANGOSTEIRA	43.35N	8.53W	1032Z	24	MAR	2026	0.78M	33.00MIN
ES - FERROL	43.46N	8.33W	1133Z	24	MAR	2026	1.92M	42.00MIN
ES - CADIZ	36.54N	6.28W	1009Z	24	MAR	2026	2.08M	28.00MIN
PT - PONTA DELGADA	37.73N	25.68W	1100Z	24	MAR	2026	2.95M	4.00MIN
ES - BONANZA	36.80N	6.34W	1226Z	24	MAR	2026	2.40M	26.00MIN
PT - ANGRA DO HEROISMO	38.65N	27.22W	1105Z	24	MAR	2026	1.73M	12.00MIN
ES - VIGO	42.24N	8.73W	1113Z	24	MAR	2026	1.96M	14.00MIN
ES - VILAGARCIA	42.60N	8.77W	1009Z	24	MAR	2026	1.37M	25.00MIN
PT - HORTA	38.53N	28.62W	1201Z	24	MAR	2026	3.91M	11.00MIN
ES - GIJON	43.56N	5.70W	1049Z	24	MAR	2026	0.31M	31.00MIN
ES - SANTANDER	43.46N	3.79W	1104Z	24	MAR	2026	0.27M	36.00MIN
FR - SOCOA	43.40N	1.68W	1136Z	24	MAR	2026	0.38M	35.00MIN
ES - BILBAO	43.35N	3.05W	1105Z	24	MAR	2026	0.25M	38.00MIN
PT - FLORES	39.38N	31.17W	1140Z	24	MAR	2026	2.46M	13.00MIN
FR - LE CONQUET	48.36N	4.78W	1310Z	24	MAR	2026	0.95M	18.00MIN
FR - PORT-TUDY	47.64N	3.45W	1252Z	24	MAR	2026	0.80M	13.00MIN
CV - PALMEIRA	16.75N	22.98W	1247Z	24	MAR	2026	0.68M	13.00MIN
FR - BREST	48.38N	4.50W	1310Z	24	MAR	2026	0.92M	16.00MIN
FR - LES SAB. D'OLLONE	46.50N	1.79W	1204Z	24	MAR	2026	0.46M	33.00MIN
FR - L'HERBOUDIÈRE	47.02N	2.30W	1204Z	24	MAR	2026	0.42M	32.00MIN
MR - NOUAKCHOTT	18.10N	15.95W	1303Z	24	MAR	2026	0.30M	69.00MIN
SN - DAKKAR	14.68N	17.42W	1328Z	24	MAR	2026	0.24M	10.00MIN
FR - SAINT_NAZAIRE	47.26N	2.20W	1206Z	24	MAR	2026	0.48M	32.00MIN
FR - PORT-BLOC	45.57N	1.06W	1153Z	24	MAR	2026	0.23M	31.00MIN

LAT - LATITUDE (N-NORTH, S-SOUTH)  
 LON - LONGITUDE (E-EAST, W-WEST)  
 TIME - TIME OF THE MEASUREMENT (Z IS UTZ TIME)  
 AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL  
 IT IS ...NOT... CREST-TO-TROUGH WAVE HEIGHT.  
 VALUES ARE GIVEN IN METERS (M).  
 PER - PERIOD OF TIME IN MINUTES (MIN) FROM ONE WAVE TO THE NEXT.

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
 THIS TSUNAMI CAN STRIKE COASTLINES WITH WAVE HEIGHT GREATER THAN  
 0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS  
 CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE  
 REGION AND REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED.  
 AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS  
 POSSIBILITY.

A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE  
 LARGEST. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY  
 SIGNIFICANTLY ALONG A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE  
 TSUNAMI WAVE TO THE NEXT CAN BE FIVE MINUTES TO AN HOUR, AND THE  
 THREAT CAN CONTINUE FOR MANY HOURS AS MULTIPLE WAVES ARRIVE.

ESTIMATED INITIAL TSUNAMI ARRIVAL TIMES AT FORECAST POINTS WITHIN  
 THE WATCH AREA ARE GIVEN BELOW. 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 SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE  
 HOUR.

LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL (ADVISORY, WATCH)

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PORTUGAL	-	CASCAIS	38.68N	9.45W	0932Z	24	MAR	2026	WATCH
PORTUGAL	-	SAGRES	37.00N	8.94W	0933Z	24	MAR	2026	WATCH
PORTUGAL	-	MADEIRA	33.05N	16.32W	0951Z	24	MAR	2026	WATCH
PORTUGAL	-	NAZARE	39.60N	9.09W	0955Z	24	MAR	2026	WATCH
PORTUGAL	-	ARMACAO DE PERA	37.07N	8.37W	0955Z	24	MAR	2026	WATCH
PORTUGAL	-	PONTA DELGADA	37.67N	25.65W	1045Z	24	MAR	2026	WATCH
PORTUGAL	-	ANGRA	38.62N	27.00W	1054Z	24	MAR	2026	WATCH
PORTUGAL	-	FLORES	39.43N	31.05W	1134Z	24	MAR	2026	WATCH
MOROCCO	-	EL JADIDA	33.25N	8.50W	1003Z	24	MAR	2026	WATCH
MOROCCO	-	SAFIM	32.31N	9.25W	1007Z	24	MAR	2026	WATCH
MOROCCO	-	RABAT	34.03N	6.83W	1008Z	24	MAR	2026	WATCH
MOROCCO	-	CASABLANCA	33.61N	7.59W	1014Z	24	MAR	2026	WATCH
MOROCCO	-	MOGADOR	31.51N	9.77W	1015Z	24	MAR	2026	WATCH
MOROCCO	-	MOHAMMEDIA	33.72N	7.39W	1015Z	24	MAR	2026	WATCH
MOROCCO	-	TANGER	35.78N	5.81W	1019Z	24	MAR	2026	WATCH
MOROCCO	-	AGADIR	30.42N	9.63W	1035Z	24	MAR	2026	WATCH
MOROCCO	-	SIDI IFNI	29.36N	10.19W	1045Z	24	MAR	2026	WATCH
MOROCCO	-	PORT EL AAIUN	27.09N	13.42W	1100Z	24	MAR	2026	WATCH
MOROCCO	-	AL HOCEIMA	35.25N	3.92W	1101Z	24	MAR	2026	WATCH
MOROCCO	-	BOUJDOUR	26.11N	14.49W	1118Z	24	MAR	2026	WATCH
MOROCCO	-	LAGOUIRA	20.83N	17.09W	1235Z	24	MAR	2026	WATCH
MOROCCO	-	DAKHLA	23.69N	15.94W	1309Z	24	MAR	2026	WATCH
SPAIN	-	LAS PALMAS	28.15N	15.33W	1026Z	24	MAR	2026	WATCH
SPAIN	-	CEUTA	35.89N	5.32W	1026Z	24	MAR	2026	WATCH
SPAIN	-	HUELVA	37.16N	6.97W	1029Z	24	MAR	2026	WATCH
SPAIN	-	CADIZ	36.53N	6.29W	1030Z	24	MAR	2026	WATCH
SPAIN	-	ALGECIRAS	36.13N	5.40W	1031Z	24	MAR	2026	WATCH
SPAIN	-	SANTA CRUZ	28.47N	16.19W	1032Z	24	MAR	2026	WATCH
SPAIN	-	VIGO	42.24N	8.81W	1037Z	24	MAR	2026	WATCH
SPAIN	-	CORUNHA	43.43N	8.40W	1044Z	24	MAR	2026	WATCH
SPAIN	-	MALAGA	36.66N	4.40W	1054Z	24	MAR	2026	WATCH

SPAIN	-	ALMERIA	36.84N	2.47W	1116Z	24	MAR	2026	WATCH
UNITED KINGDOM-		OFF-SHORE SITE2	47.00N	14.00W	1028Z	24	MAR	2026	WATCH
UNITED KINGDOM-		GIBRALTAR	36.13N	5.35W	1029Z	24	MAR	2026	WATCH
UNITED KINGDOM-		OFF-SHORE SITE1	47.00N	10.00W	1032Z	24	MAR	2026	WATCH
UNITED KINGDOM-		ST MARY'S	49.92N	6.32W	1249Z	24	MAR	2026	WATCH
UNITED KINGDOM-		OFF-SHORE SITE3	60.00N	12.00W	1258Z	24	MAR	2026	WATCH
UNITED KINGDOM-		NEWLYN	50.10N	5.55W	1313Z	24	MAR	2026	WATCH
UNITED KINGDOM-		OFF-SHORE SITE4	62.00N	4.00W	1403Z	24	MAR	2026	WATCH
UNITED KINGDOM-		LERWICK	60.15N	1.13W	1526Z	24	MAR	2026	WATCH
UNITED KINGDOM-		WHITBY	54.48N	0.62W	2023Z	24	MAR	2026	WATCH
FRANCE	-	BAYONNE	43.51N	1.60W	1131Z	24	MAR	2026	WATCH
FRANCE	-	BISCARROSSE	44.45N	1.34W	1139Z	24	MAR	2026	WATCH
FRANCE	-	LE CONQUET	48.35N	4.83W	1206Z	24	MAR	2026	WATCH
FRANCE	-	LORIENT	47.66N	3.39W	1214Z	24	MAR	2026	WATCH
FRANCE	-	OLERON	46.02N	1.41W	1235Z	24	MAR	2026	WATCH
FRANCE	-	SAINT-NAZAIRE	47.24N	2.26W	1317Z	24	MAR	2026	WATCH
FRANCE	-	CHERBOURG	49.67N	1.65W	1507Z	24	MAR	2026	WATCH
FRANCE	-	LE HAVRE	49.48N	0.08E	1657Z	24	MAR	2026	WATCH
FRANCE	-	CALAIS	51.00N	1.84E	1839Z	24	MAR	2026	WATCH
IRELAND	-	CASTLETOWNBERE	51.65N	9.91W	1212Z	24	MAR	2026	WATCH
IRELAND	-	BALLYCOTTON	51.83N	8.00W	1329Z	24	MAR	2026	WATCH
IRELAND	-	MALIN HEAD	55.35N	7.35W	1336Z	24	MAR	2026	WATCH
IRELAND	-	GALWAY PORT	53.26N	9.04W	1414Z	24	MAR	2026	WATCH
IRELAND	-	DUNMORE	52.14N	7.00W	1423Z	24	MAR	2026	WATCH
IRELAND	-	DUBLIN PORT	53.35N	6.16W	1642Z	24	MAR	2026	WATCH
DENMARK	-	SUDERO	61.38N	6.69W	1348Z	24	MAR	2026	WATCH
DENMARK	-	MYKKINES	62.12N	7.68W	1407Z	24	MAR	2026	WATCH
DENMARK	-	THORSHVAN	62.02N	6.73W	1427Z	24	MAR	2026	WATCH
DENMARK	-	KLAKSVIG	62.18N	6.61W	1440Z	24	MAR	2026	WATCH
DENMARK	-	ANGMAGSALIK	65.58N	37.61W	1503Z	24	MAR	2026	WATCH
DENMARK	-	NANORTALIK	60.12N	45.24W	1509Z	24	MAR	2026	WATCH
DENMARK	-	NUUK	64.17N	51.76W	1605Z	24	MAR	2026	WATCH
DENMARK	-	ITTOQQORTOORMIIT	70.45N	22.25W	1624Z	24	MAR	2026	WATCH
DENMARK	-	HIRTSHALS	57.71N	9.96E	1836Z	24	MAR	2026	WATCH
DENMARK	-	HUNDESTED	56.00N	11.85E	2201Z	24	MAR	2026	WATCH
GERMANY	-	(LERWICK)	60.15N	1.12W	1526Z	24	MAR	2026	WATCH
GERMANY	-	(BLOM0Y)	60.53N	4.88E	1551Z	24	MAR	2026	WATCH
GERMANY	-	(FLOR0)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
GERMANY	-	(KARM0Y)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
GERMANY	-	(ABERDEEN)	57.15N	2.07W	1729Z	24	MAR	2026	WATCH
GERMANY	-	(HARTLEPOOL)	54.70N	1.20W	2014Z	24	MAR	2026	WATCH
GERMANY	-	WESTERLAND	54.92N	8.27E	2243Z	24	MAR	2026	WATCH
GERMANY	-	HELGOLAND	54.18N	7.88E	2323Z	24	MAR	2026	WATCH
GERMANY	-	NORDERNEY	53.70N	7.15E	0000Z	25	MAR	2026	WATCH
GERMANY	-	ALTE WESER LT	53.87N	8.13E	0005Z	25	MAR	2026	WATCH
GERMANY	-	BORKUM	53.55N	6.75E	0017Z	25	MAR	2026	WATCH
GERMANY	-	CUXHAVEN	53.87N	8.72E	0051Z	25	MAR	2026	WATCH
GERMANY	-	BUSUM	54.12N	8.87E	0157Z	25	MAR	2026	WATCH
NORWAY	-	(BLOM0Y)	60.53N	4.88E	1551Z	25	MAR	2026	WATCH
NORWAY	-	(FLOR0)	61.60N	5.03E	1638Z	24	MAR	2026	WATCH
NORWAY	-	(KARM0Y)	59.15N	5.25E	1641Z	24	MAR	2026	WATCH
NETHERLANDS	-	DOMBURG	51.57N	3.49E	2116Z	24	MAR	2026	WATCH
NETHERLANDS	-	ZANDVOORT	52.37N	4.52E	2247Z	24	MAR	2026	WATCH
ICELAND	-	VIK	63.41N	19.01W	1348Z	24	MAR	2026	WATCH
SWEDEN	-	OFF-SHORE SITE1	58.50N	11.00E	1842Z	24	MAR	2026	WATCH
CAPE VERDE	-	PALMEIRA	16.79N	22.99W	1229Z	24	MAR	2026	WATCH
MAURITANIA	-	NOUAKCHOTT	18.08N	16.03W	1310Z	24	MAR	2026	WATCH
BELGIUM	-	OOSTENDE	51.21N	2.88E	2026Z	24	MAR	2026	WATCH
SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND EVALUATION ALLOWS. THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL AN END									

OF ALERT IS BROADCAST.

END OF TSUNAMI EXERCISE MESSAGE NUMBER 011

**The 12th message (END of WATCH) would be like:**

TSUNAMI EXERCISE MESSAGE NUMBER 012

NEAM IPMA TSUNAMI SERVICE PROVIDER

ISSUED AT 1500Z 24 MAR 2026

... END OF TSUNAMI WATCH ...

THIS ALERT APPLIES TO BELGIUM ... CAPE VERDE ... DENMARK ... FRANCE ... GERMANY  
... ICELAND ... IRELAND ... MAURITANIA ... MOROCCO ... NETHERLANDS ... NORWAY ...  
PORTUGAL ... SPAIN ... SWEDEN ... UNITED KINGDOM

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY  
NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE  
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY  
ACTIONS TO BE TAKEN IN RESPONSE

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0900Z 24 MAR 2026

COORDINATES - 36.64 NORTH 11.80 WEST

DEPTH - 5 KM

LOCATION - Azores-Cape St. Vincent Ridge

MAGNITUDE - 8.5

EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.

OBSERVATIONS AND MODELS INDICATE THAT NO MORE TSUNAMI WAVES ARE  
EXPECTED.

WHEN NO MAJOR WAVES ARE OBSERVED FOR TWO HOURS AFTER THE  
ESTIMATED TIME OF ARRIVAL OR DAMAGING WAVES HAVE NOT OCCURRED FOR  
AT LEAST TWO HOURS THEN LOCAL AUTHORITIES CAN ASSUME THE THREAT IS  
PASSED. DANGER TO BOATS AND COASTAL STRUCTURES CAN CONTINUE FOR  
SEVERAL HOURS DUE TO THE CONTINUING SEA LEVEL CHANGES AND RAPID  
CURRENTS. AS LOCAL CONDITIONS CAN CAUSE A WIDE VARIATION IN TSUNAMI  
WAVE ACTION THE ALL CLEAR DETERMINATION MUST BE MADE BY LOCAL  
AUTHORITIES.

THIS WILL BE THE FINAL MESSAGE ISSUED FOR THIS EVENT UNLESS ADDITIONAL  
INFORMATION BECOMES AVAILABLE.

END OF TSUNAMI EXERCISE MESSAGE NUMBER 012

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ANNEX I

**TEMPLATE FOR REQUESTING INTERNATIONAL ASSISTANCE  
TO THE EUROPEAN MECHANISM OF CIVIL PROTECTION**

**EXERCISE EXERCISE EXERCISE EXERCISE EXERCISE EXERCISE**

Date:

**TEMPLATE**

**REQUEST FOR INTERNATIONAL ASSISTANCE TO THE EUROPEAN MECHANISM OF  
CIVIL PROTECTION**

**(MODULES<sup>1</sup>, TEAMS, ITEMS, MAPPING SERVICE)**

1. NAME of the requesting authority and CONTACTS details:
2. Brief description of the emergency and its magnitude<sup>2</sup>
  - a. What are the problems? i.e. affected population and infrastructures,...
  - b. Ongoing response
  - c. International teams already in the country.
3. Safety and security (Specific hazards):
4. Type of requested assistance (please specify as far as possible<sup>3</sup>):
5. Intended use of the assistance (e.g. place and duration of deployment)
6. National authorities acting as focal point for international assistance:
7. GPS coordinates of the location of entry points and of base of operation (if available):
8. Availability of host nation support<sup>4</sup>:
- 9.

Commodity /service	YES		NO
	free of charge		
	YES	NO	
food			
drinking water			

<sup>1</sup> Modules (17+1): high capacity pumping; water purification; medium urban search and rescue; heavy urban search and rescue; aerial forest fire fighting module using helicopters; aerial forest fire fighting module using airplanes; advanced medical post; advanced medical post with surgery; field hospital; medical aerial evacuation of disaster victims; emergency temporary shelter; chemical, biological, radiological and nuclear detection and sampling (CBRN); search and rescue in CBRN conditions; ground forest firefighting; ground forest firefighting using vehicles; flood containment; flood rescue using boats; technical assistance support teams.

Please refer to the documents downloadable from the following link for a detailed description of the European Civil Protection Modules: [http://ec.europa.eu/echo/policies/disaster\\_response/modules\\_en.htm](http://ec.europa.eu/echo/policies/disaster_response/modules_en.htm).

<sup>2</sup> Preferably in the form of a situation map.

<sup>3</sup> e.g. 4 heavy USAR teams; winterized tents for ca 10.000 displaced people; 5 water pumps with capacity for at least 1000m<sup>3</sup>/hour.

<sup>4</sup> "Host Nation Support" implies all actions undertaken in the preparedness phase and the disaster response management by a Participating State in the Civil Protection Mechanism (PS) receiving or sending assistance, or the Commission, in order to remove as much as possible any foreseeable obstacle to international assistance so as to ensure that disaster response operations proceed smoothly.

Commodity /service	YES		NO
	free of charge		
	YES	NO	
Fuel			
Accommodation			
In-Country Transport			
Medical Support			
Liaison Officer			
Interpreters			

Additional remarks:

10. The Host Nation will:

	YES	NO
Waive any visa and/or immigration requirements		
Issue any visa and/or immigration documents		
Accept regulated professions: doctors/nurses/paramedics/engineers/others (quote)		
Exempt equipment/goods of the modules/teams from all customs duties, taxes, tariffs, fees, and from all export and import restrictions		
Provide temporary authorisation to the assisting module(s)/team(s) to legally operate on our territory, including rights to open bank accounts, enter into contract and leases, acquire and dispose of property and instigate legal proceedings		
Provide security services in case of need and/or upon a request of assisting module(s)/team(s)		

Stamp and Signature :

**EXERCISE EXERCISE EXERCISE EXERCISE EXERCISE EXERCISE**

## ANNEX II

### CAT- INGV (NEAMTWS/TSP Italy)

#### Messages in CAP-TSU format

*Prepared by*

*F. Romano, S. Lorito, A. Amato, A. Piatanesi, L. Graziani*

During the NEAMWave 26 the alert messages will be also released for the first time in the CAP-TSU format. INGV is already using CAP-TSU format to send tsunami messages to the Italian Civil Protection.

The advantage of issuing messages using this standard format is twofold:

1. being unambiguously readable and the information contained therein can be easily represented in the graphic interfaces of the various recipients of the message;
2. being a standard format, it is a grounded way to take a step towards "interoperability" among TSPs operating in the NEAM region.

A comprehensive description of the CAP-TSU format can be found at this link <https://www.tsunami.gov/?page=cap>

Here, we specify that we did use some tag, which are "free" (i.e.: that can be user-defined) to insert information required by the CAT-SIAM infrastructure. These tags are:

**<source>** : here we define the workstation of the seismologist on duty that sends the alert and the internet channel used to send the CAP-TSU file. *Example:* `<source>turnocat1-vpn</source>`

**<code>** : this tag is free and multiple instances may occur. We use 3 `<code>` instances. one required for the CAT-SIAM infrastructure, the second specifies the kind of message (initial/ongoing/ending/closing), the third is the number of the message

**<description>**: in this tag we inserted the ascii plain text alert message coded in base64. This kind of content was required by our Civil Protection Agency

Finally, our CAP-TSU includes the information in both English and Italian languages (multiple languages are allowed).

ANNEX III

**LIST OF ACRONYMS**

<b>CENALT</b>	CENtre d'ALerte aux Tsunamis (France)
<b>CPA</b>	Civil Protection Agency/Authority
<b>CTE</b>	Communication Test Exercise
<b>CTSP</b>	Candidate Tsunami Service Provider
<b>EMO</b>	Emergency Measures Organization
<b>EOC</b>	Emergency Operations Centre
<b>EPC</b>	Exercise Planning Coordinator
<b>EPT</b>	Exercise Planning Team
<b>ERCC</b>	Emergency Response and Coordination Centre
<b>ETA</b>	Expected time of Tsunami Arrival
<b>GTS</b>	Global Telecommunication System
<b>ICG</b>	Intergovernmental Coordination Group (IOC)
<b>INGV</b>	Instituto Nazionale di Geofisica e Vulcanologia (Italy)
<b>IOC</b>	Intergovernmental Oceanographic Commission of UNESCO
<b>IPMA</b>	Instituto Português do Mar e da Atmosfera
<b>KOERI</b>	Kandilli Observatory and Earthquake Research Institute (Türkiye)
<b>MS</b>	Member States
<b>MSEL</b>	Master Schedule of Events List
<b>NCE</b>	National Contact for the Exercise
<b>NEAMTWS</b>	Tsunami Early Warning and Mitigation System in the North-eastern Atlantic, the Mediterranean and Connected Seas (IOC)
<b>NED</b>	National Exercise Director
<b>NOA</b>	National Observatory of Athens
<b>NTWC</b>	National Tsunami Warning Centre
<b>SOP</b>	Standard Operating Procedures
<b>TMR</b>	Tsunami Message Recipients
<b>TNC</b>	Tsunami National Contact
<b>TSP</b>	Tsunami Service Provider
<b>TT-NEAMWave</b>	Task Team on NEAMWave Exercise
<b>TWFP</b>	Tsunami Warning Focal Point
<b>UCPM</b>	Union Civil Protection Mechanism
<b>UTC</b>	Coordinated Universal Time

**IOC Technical Series**

<b>No.</b>	<b>Title</b>	<b>Languages</b>
1	Manual on International Oceanographic Data Exchange. 1965	(out of stock)
2	Intergovernmental Oceanographic Commission (Five years of work). 1966	(out of stock)
3	Radio Communication Requirements of Oceanography. 1967	(out of stock)
4	Manual on International Oceanographic Data Exchange - Second revised edition. 1967	(out of stock)
5	Legal Problems Associated with Ocean Data Acquisition Systems (ODAS). 1969	(out of stock)
6	Perspectives in Oceanography, 1968	(out of stock)
7	Comprehensive Outline of the Scope of the Long-term and Expanded Programme of Oceanic Exploration and Research. 1970	(out of stock)
8	IGOSS (Integrated Global Ocean Station System) - General Plan Implementation Programme for Phase I. 1971	(out of stock)
9	Manual on International Oceanographic Data Exchange - Third Revised Edition. 1973	(out of stock)
10	Bruun Memorial Lectures, 1971	E, F, S, R
11	Bruun Memorial Lectures, 1973	(out of stock)
12	Oceanographic Products and Methods of Analysis and Prediction. 1977	E only
13	International Decade of Ocean Exploration (IDOE), 1971-1980. 1974	(out of stock)
14	A Comprehensive Plan for the Global Investigation of Pollution in the Marine Environment and Baseline Study Guidelines. 1976	E, F, S, R
15	Bruun Memorial Lectures, 1975 - Co-operative Study of the Kuroshio and Adjacent Regions. 1976	(out of stock)
16	Integrated Ocean Global Station System (IGOSS) General Plan and Implementation Programme 1977-1982. 1977	E, F, S, R
17	Oceanographic Components of the Global Atmospheric Research Programme (GARP) . 1977	(out of stock)
18	Global Ocean Pollution: An Overview. 1977	(out of stock)
19	Bruun Memorial Lectures - The Importance and Application of Satellite and Remotely Sensed Data to Oceanography. 1977	(out of stock)
20	A Focus for Ocean Research: The Intergovernmental Oceanographic Commission - History, Functions, Achievements. 1979	(out of stock)
21	Bruun Memorial Lectures, 1979: Marine Environment and Ocean Resources. 1986	E, F, S, R
22	Scientific Report of the Intercalibration Exercise of the IOC-WMO-UNEP Pilot Project on Monitoring Background Levels of Selected Pollutants in Open Ocean Waters. 1982	(out of stock)
23	Operational Sea-Level Stations. 1983	E, F, S, R
24	Time-Series of Ocean Measurements. Vol.1. 1983	E, F, S, R
25	A Framework for the Implementation of the Comprehensive Plan for the Global Investigation of Pollution in the Marine Environment. 1984	(out of stock)
26	The Determination of Polychlorinated Biphenyls in Open-ocean Waters. 1984	E only
27	Ocean Observing System Development Programme. 1984	E, F, S, R
28	Bruun Memorial Lectures, 1982: Ocean Science for the Year 2000. 1984	E, F, S, R
29	Catalogue of Tide Gauges in the Pacific. 1985	E only
30	Time-Series of Ocean Measurements. Vol. 2. 1984	E only
31	Time-Series of Ocean Measurements. Vol. 3. 1986	E only
32	Summary of Radiometric Ages from the Pacific. 1987	E only
33	Time-Series of Ocean Measurements. Vol. 4. 1988	E only
34	Bruun Memorial Lectures, 1987: Recent Advances in Selected Areas of Ocean Sciences in the Regions of the Caribbean, Indian Ocean and the Western Pacific. 1988	Composite E, F, S
35	Global Sea-Level Observing System (GLOSS) Implementation Plan. 1990	E only

*(continued)*

36	Bruun Memorial Lectures 1989: Impact of New Technology on Marine Scientific Research. 1991	Composite E, F, S
37	Tsunami Glossary - A Glossary of Terms and Acronyms Used in the Tsunami Literature. 1991	E only
38	The Oceans and Climate: A Guide to Present Needs. 1991	E only
39	Bruun Memorial Lectures, 1991: Modelling and Prediction in Marine Science. 1992	E only
40	Oceanic Interdecadal Climate Variability. 1992	E only
41	Marine Debris: Solid Waste Management Action for the Wider Caribbean. 1994	E only
42	Calculation of New Depth Equations for Expendable Bathymetographs Using a Temperature-Error-Free Method (Application to Sippican/TSK T-7, T-6 and T-4 XBTS. 1994	E only
43	IGOSS Plan and Implementation Programme 1996-2003. 1996	E, F, S, R
44	Design and Implementation of some Harmful Algal Monitoring Systems. 1996	E only
45	Use of Standards and Reference Materials in the Measurement of Chlorinated Hydrocarbon Residues. 1996	E only
46	Equatorial Segment of the Mid-Atlantic Ridge. 1996	E only
47	Peace in the Oceans: Ocean Governance and the Agenda for Peace; the Proceedings of <i>Pacem in Maribus</i> XXIII, Costa Rica, 1995. 1997	E only
48	Neotectonics and fluid flow through seafloor sediments in the Eastern Mediterranean and Black Seas - Parts I and II. 1997	E only
49	Global Temperature Salinity Profile Programme: Overview and Future. 1998	E only
50	Global Sea-Level Observing System (GLOSS) Implementation Plan-1997. 1997	E only
51	L'état actuel de l'exploitation des pêcheries maritimes au Cameroun et leur gestion intégrée dans la sous-région du Golfe de Guinée ( <i>cancelled</i> )	F only
52	Cold water carbonate mounds and sediment transport on the Northeast Atlantic Margin. 1998	E only
53	The Baltic Floating University: Training Through Research in the Baltic, Barents and White Seas - 1997. 1998	E only
54	Geological Processes on the Northeast Atlantic Margin (8 <sup>th</sup> training-through-research cruise, June-August 1998). 1999	E only
55	Bruun Memorial Lectures, 1999: Ocean Predictability. 2000	E only
56	Multidisciplinary Study of Geological Processes on the North East Atlantic and Western Mediterranean Margins (9 <sup>th</sup> training-through-research cruise, June-July 1999). 2000	E only
57	Ad hoc Benthic Indicator Group - Results of Initial Planning Meeting, Paris, France, 6-9 December 1999. 2000	E only
58	Bruun Memorial Lectures, 2001: Operational Oceanography – a perspective from the private sector. 2001	E only
59	Monitoring and Management Strategies for Harmful Algal Blooms in Coastal Waters. 2001	E only
60	Interdisciplinary Approaches to Geoscience on the North East Atlantic Margin and Mid-Atlantic Ridge (10 <sup>th</sup> training-through-research cruise, July-August 2000). 2001	E only
61	Forecasting Ocean Science? Pros and Cons, Potsdam Lecture, 1999. 2002	E only
62	Geological Processes in the Mediterranean and Black Seas and North East Atlantic (11 <sup>th</sup> training-through-research cruise, July- September 2001). 2002	E only
63	Improved Global Bathymetry – Final Report of SCOR Working Group 107. 2002	E only
64	R. Revelle Memorial Lecture, 2006: Global Sea Levels, Past, Present and Future. 2007	E only
65	Bruun Memorial Lectures, 2003: Gas Hydrates – a potential source of energy from the oceans. 2003	E only
66	Bruun Memorial Lectures, 2003: Energy from the Sea: the potential and realities of Ocean Thermal Energy Conversion (OTEC). 2003	E only

67	Interdisciplinary Geoscience Research on the North East Atlantic Margin, Mediterranean Sea and Mid-Atlantic Ridge (12 <sup>th</sup> training-through-research cruise, June-August 2002). 2003	E only
68	Interdisciplinary Studies of North Atlantic and Labrador Sea Margin Architecture and Sedimentary Processes (13 <sup>th</sup> training-through-research cruise, July-September 2003). 2004	E only
69	Biodiversity and Distribution of the Megafauna / Biodiversité et distribution de la mégafaune. 2006 Vol.1 The polymetallic nodule ecosystem of the Eastern Equatorial Pacific Ocean / Ecosystème de nodules polymétalliques de l'océan Pacifique Est équatorial Vol.2 Annotated photographic Atlas of the echinoderms of the Clarion-Clipperton fracture zone / Atlas photographique annoté des échinodermes de la zone de fractures de Clarion et de Clipperton Vol.3 Options for the management and conservation of the biodiversity — The nodule ecosystem in the Clarion Clipperton fracture zone: scientific, legal and institutional aspects	E F
70	Interdisciplinary geoscience studies of the Gulf of Cadiz and Western Mediterranean Basin (14 <sup>th</sup> training-through-research cruise, July-September 2004). 2006	E only
71	Indian Ocean Tsunami Warning and Mitigation System, IOTWS. Implementation Plan, 7–9 April 2009 (2 <sup>nd</sup> Revision). 2009	E only
72	Deep-water Cold Seeps, Sedimentary Environments and Ecosystems of the Black and Tyrrhenian Seas and the Gulf of Cadiz (15 <sup>th</sup> training-through-research cruise, June–August 2005). 2007	E only
73	Implementation Plan for the Tsunami Early Warning and Mitigation System in the North-Eastern Atlantic, the Mediterranean and Connected Seas (NEAMTWS), 2007–2011. 2007 ( <i>electronic only</i> )	E only
74	Bruun Memorial Lectures, 2005: The Ecology and Oceanography of Harmful Algal Blooms – Multidisciplinary approaches to research and management. 2007	E only
75	National Ocean Policy. The Basic Texts from: Australia, Brazil, Canada, China, Colombia, Japan, Norway, Portugal, Russian Federation, United States of America. (Also Law of Sea Dossier 1). 2008	E only
76	Deep-water Depositional Systems and Cold Seeps of the Western Mediterranean, Gulf of Cadiz and Norwegian Continental margins (16 <sup>th</sup> training-through-research cruise, May–July 2006). 2008	E only
77	Indian Ocean Tsunami Warning and Mitigation System (IOTWS) – 12 September 2007 Indian Ocean Tsunami Event. Post-Event Assessment of IOTWS Performance. 2008	E only
78	Tsunami and Other Coastal Hazards Warning System for the Caribbean and Adjacent Regions (CARIBE EWS) – Implementation Plan 2013–2017 (Version 2.0). 2013	E only
79	Filling Gaps in Large Marine Ecosystem Nitrogen Loadings Forecast for 64 LMEs – GEF/LME global project Promoting Ecosystem-based Approaches to Fisheries Conservation and Large Marine Ecosystems. 2008	E only
80	Models of the World's Large Marine Ecosystems. GEF/LME Global Project Promoting Ecosystem-based Approaches to Fisheries Conservation and Large Marine Ecosystems. 2008	E only
81	Indian Ocean Tsunami Warning and Mitigation System (IOTWS) – Implementation Plan for Regional Tsunami Watch Providers (RTWP). 2008	E only
82	Exercise Pacific Wave 08 – A Pacific-wide Tsunami Warning and Communication Exercise, 28–30 October 2008. 2008	E only
83.	<i>Cancelled</i>	
84.	Global Open Oceans and Deep Seabed (GOODS) Bio-geographic Classification. 2009	E only
85.	Tsunami Glossary	E, F, S
86	Pacific Tsunami Warning System (PTWS) Implementation Plan	<i>Electronic publication</i>

(continued)

87.	Operational Users Guide for the Pacific Tsunami Warning and Mitigation System (PTWS) – Second Edition. 2011	E only
88.	Exercise Indian Ocean Wave 2009 (IOWave09) – An Indian Ocean-wide Tsunami Warning and Communication Exercise – 14 October 2009. 2009	E only
89.	Ship-based Repeat Hydrography: A Strategy for a Sustained Global Programme. 2009	E only
90.	12 January 2010 Haiti Earthquake and Tsunami Event Post-Event Assessment of CARIBE EWS Performance. 2010	E only
91.	Compendium of Definitions and Terminology on Hazards, Disasters, Vulnerability and Risks in a coastal context	<i>Under preparation</i>
92.	27 February 2010 Chile Earthquake and Tsunami Event – Post-Event Assessment of PTWS Performance (Pacific Tsunami Warning System). 2010	E only
93.	Exercise CARIBE WAVE 11 / LANTEX 11—A Caribbean Tsunami Warning Exercise, 23 March 2011	
	Vol. 1 Participant Handbook / Exercice CARIBE WAVE 11 —Exercice d’alerte au tsunami dans les Caraïbes, 23 mars 2011. Manuel du participant / Ejercicio Caribe Wave 11. Un ejercicio de alerta de tsunami en el Caribe, 23 de marzo de 2011. Manual del participante. 2010	E/F/S
	Vol. 2 Report. 2011	E only
	Vol. 3 Supplement: Media Reports. 2011	E/F/S
94.	Cold seeps, coral mounds and deep-water depositional systems of the Alboran Sea, Gulf of Cadiz and Norwegian continental margin (17th training-through-research cruise, June–July 2008)	E only
95.	International Post-Tsunami Survey for the 25 October 2010 Mentawai, Indonesia Tsunami	E only
96.	Pacific Tsunami Warning System (PTWS) 11 March 2011 Off Pacific coast of Tohoku, Japan, Earthquake and Tsunami Event. Post-Event Assessment of PTWS Performance	E only
97.	Exercise PACIFIC WAVE 11: A Pacific-wide Tsunami Warning and Communication Exercise, 9–10 November 2011	
	Vol. 1 Exercise Manual. 2011	E only
	Vol. 2 Report. 2013	E only
98.	Tsunami Early Warning and Mitigation System in the North-Eastern Atlantic, the Mediterranean and connected seas. First Enlarged Communication Test Exercise (ECTE1). Exercise Manual and Evaluation Report. 2011	E only
99.	Exercise INDIAN OCEAN WAVE 2011 – An Indian Ocean-wide Tsunami Warning and Communication Exercise, 12 October 2011	E only
	Vol. 1 Exercise Manual. 2011	
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