

TSUNAMI MESSAGE NUMBER 001  
NEAM INGV IT-NTWC TSUNAMI SERVICE PROVIDER  
ISSUED AT 2241Z 20 JUL 2017

... TSUNAMI WATCH ...  
THIS ALERT APPLIES TO GREECE TURKEY

... TSUNAMI ADVISORY ...  
THIS ALERT APPLIES TO GREECE TURKEY

... TSUNAMI INFORMATION ...  
THIS ALERT APPLIES TO ALBANIA ALGERIA BOSNIA CROATIA CYPRUS EGYPT  
FRANCE GREECE ISRAEL ITALY LEBANON LIBYA MALTA MONACO MONTENEGRO  
MOROCCO SLOVENIA SPAIN SYRIA TUNISIA TURKEY 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 - 2231Z 20 JUL 2017  
COORDINATES - 36.90 NORTH 27.46 EAST  
DEPTH - 10 KM  
LOCATION - TURKEY  
MAGNITUDE - 6.8

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 ADVISORY

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 AT MORE THAN 1000 KM FAR FROM  
THE EPICENTER

#### 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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TURKEY - MUGLA\_BODRUM\_M 37.03N 27.42E 2231Z 20 JUL WATCH  
TURKEY - AYDIN\_DIDIM 37.35N 27.28E 2305Z 20 JUL WATCH  
TURKEY - MUGLA\_AKSAZ\_M 36.84N 28.40E 2317Z 20 JUL WATCH  
GREECE - KOS\_KEFALOS 36.74N 26.98E 2239Z 20 JUL WATCH  
GREECE - RHODOS\_TOWN 36.46N 28.21E 2256Z 20 JUL WATCH  
GREECE - KALIMNOS\_PANORMOS 36.97N 26.93E 2257Z 20 JUL WATCH

GREECE - KARPATOS\_MESOCHORI 35.63N 27.09E 2255Z 20 JUL ADVISORY  
GREECE - PLIMIRI 35.93N 27.86E 2308Z 20 JUL ADVISORY  
GREECE - RHODOS\_LINDOS 36.09N 28.09E 2308Z 20 JUL ADVISORY  
GREECE - KALATHOS 36.11N 28.07E 2309Z 20 JUL ADVISORY  
GREECE - SITEIA 35.23N 26.10E 2311Z 20 JUL ADVISORY  
GREECE - AMORGOS\_KATAPOLA 36.83N 25.86E 2312Z 20 JUL ADVISORY  
GREECE - IKARIA\_AGIOS\_KIRIKOS 37.61N 26.30E 2315Z 20 JUL ADVISORY  
GREECE - KASTELORIZO\_MEGISTI 36.15N 29.59E 2316Z 20 JUL ADVISORY  
GREECE - AGIOS\_NIKOLAOS 35.21N 25.72E 2317Z 20 JUL ADVISORY  
GREECE - SANTORINI\_ORMOS\_FIRON 36.42N 25.42E 2321Z 20 JUL ADVISORY  
GREECE - SAMOS\_KARLOVASI 37.80N 26.68E 2325Z 20 JUL ADVISORY  
GREECE - IERAPETRA 35.01N 25.74E 2327Z 20 JUL ADVISORY  
GREECE - RETHIMNON 35.38N 24.47E 2330Z 20 JUL ADVISORY  
GREECE - MIKONOS\_CHORA 37.45N 25.32E 2333Z 20 JUL ADVISORY  
GREECE - KALOGEROI 38.15N 25.29E 2335Z 20 JUL ADVISORY  
GREECE - NAXOS\_CHORA 37.11N 25.37E 2335Z 20 JUL ADVISORY  
GREECE - TINOS 37.53N 25.16E 2335Z 20 JUL ADVISORY  
GREECE - GAVDOS\_KARAVE 34.85N 24.12E 2337Z 20 JUL ADVISORY  
GREECE - ANDROS 37.84N 24.94E 2338Z 20 JUL ADVISORY  
GREECE - CHANIA 35.53N 24.02E 2339Z 20 JUL ADVISORY  
GREECE - CHORA\_SFAKION 35.20N 24.13E 2339Z 20 JUL ADVISORY  
GREECE - PALEOCHORA 35.22N 23.68E 2343Z 20 JUL ADVISORY  
GREECE - SIROS\_ERMOUPOLI 37.44N 24.95E 2343Z 20 JUL ADVISORY  
GREECE - SYROS 37.44N 24.94E 2343Z 20 JUL ADVISORY  
GREECE - KASTELI 35.51N 23.64E 2344Z 20 JUL ADVISORY  
GREECE - CHIOS\_VOLLISOS 38.47N 25.92E 2346Z 20 JUL ADVISORY  
GREECE - MILOS\_ADAMAS 36.72N 24.45E 2348Z 20 JUL ADVISORY  
GREECE - MONEMVASIA 36.68N 23.04E 2352Z 20 JUL ADVISORY  
GREECE - EVIA\_KIMI 38.62N 24.13E 0009Z 21 JUL ADVISORY  
GREECE - LESVOS\_SIGRI 39.21N 25.84E 0011Z 21 JUL ADVISORY  
GREECE - PEIRAIAS 37.93N 23.62E 0020Z 21 JUL ADVISORY  
GREECE - LESVOS\_MOLIVOS 39.37N 26.17E 0021Z 21 JUL ADVISORY  
GREECE - LESVOS\_MITILINI 39.10N 26.57E 0025Z 21 JUL ADVISORY  
GREECE - LIMNOS\_MIRINA 39.87N 25.05E 0030Z 21 JUL ADVISORY  
TURKEY - MUGLA\_DALAMAN 36.69N 28.78E 2308Z 20 JUL ADVISORY  
TURKEY - MUGLA\_FETHIYE 36.66N 29.11E 2317Z 20 JUL ADVISORY  
TURKEY - ANTALYA 36.20N 29.64E 2318Z 20 JUL ADVISORY  
TURKEY - ANTALYA\_FINIKE 36.29N 30.15E 2324Z 20 JUL ADVISORY  
TURKEY - IZMIR\_ALACATI 38.25N 26.39E 2337Z 20 JUL ADVISORY  
TURKEY - ANTALYA\_M 36.83N 30.61E 2337Z 20 JUL ADVISORY  
TURKEY - AYDIN\_KUSADASI 37.87N 27.26E 2345Z 20 JUL ADVISORY  
TURKEY - IZMIR\_ALIAGA 38.83N 26.94E 0027Z 21 JUL ADVISORY  
TURKEY - IZMIR\_MENTES\_M 38.43N 26.72E 0036Z 21 JUL ADVISORY  
TURKEY - CANAKKALE\_GOKCEADA\_M 40.23N 25.89E 0048Z 21 JUL ADVISORY  
TURKEY - CANAKKALE\_BOZCAADA 39.84N 26.08E 0048Z 21 JUL ADVISORY  
TURKEY - BALIKESIR\_AYVALIK 39.31N 26.69E 0049Z 21 JUL ADVISORY  
TURKEY - IZMIR\_ALSANCAK 38.44N 27.14E 0110Z 21 JUL 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.