

TSUNAMI MESSAGE NUMBER 001
NEAM INGV IT-NTWC TSUNAMI SERVICE PROVIDER
ISSUED AT 0624Z 27 SEP 2021

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

... TSUNAMI INFORMATION ...
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 ... 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 - 0617Z 27 SEP 2021
COORDINATES - 35.14 NORTH 25.25 EAST
DEPTH - 20 KM
LOCATION - CRETE_GREECE
MAGNITUDE - 6.2

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

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.

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)

GREECE - IERAPETRA 35.01N 25.74E 0635Z 27 SEP ADVISORY
GREECE - HAKLEIO 35.35N 25.15E 0635Z 27 SEP ADVISORY
GREECE - IERAPETRA 35.01N 25.74E 0635Z 27 SEP ADVISORY
GREECE - RETHIMNON 35.38N 24.47E 0651Z 27 SEP ADVISORY
GREECE - SITEIA 35.23N 26.10E 0651Z 27 SEP ADVISORY
GREECE - AGIOS_NIKOLAOS 35.21N 25.72E 0653Z 27 SEP 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.