

M 6.3, STRAIT OF GIBRALTAR

Origin Time: Mon 2016-01-25 04:22:02 UTC (04:22:02 local)

Location: 35.65°N 3.68°W Depth: 12 km

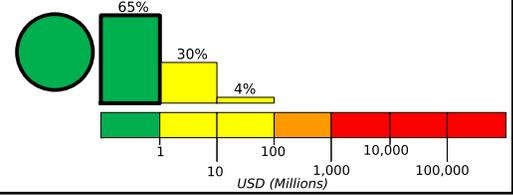
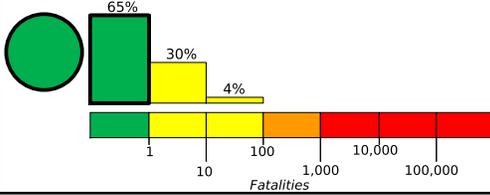
PAGER
Version 7

Created: 3 weeks, 2 days after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

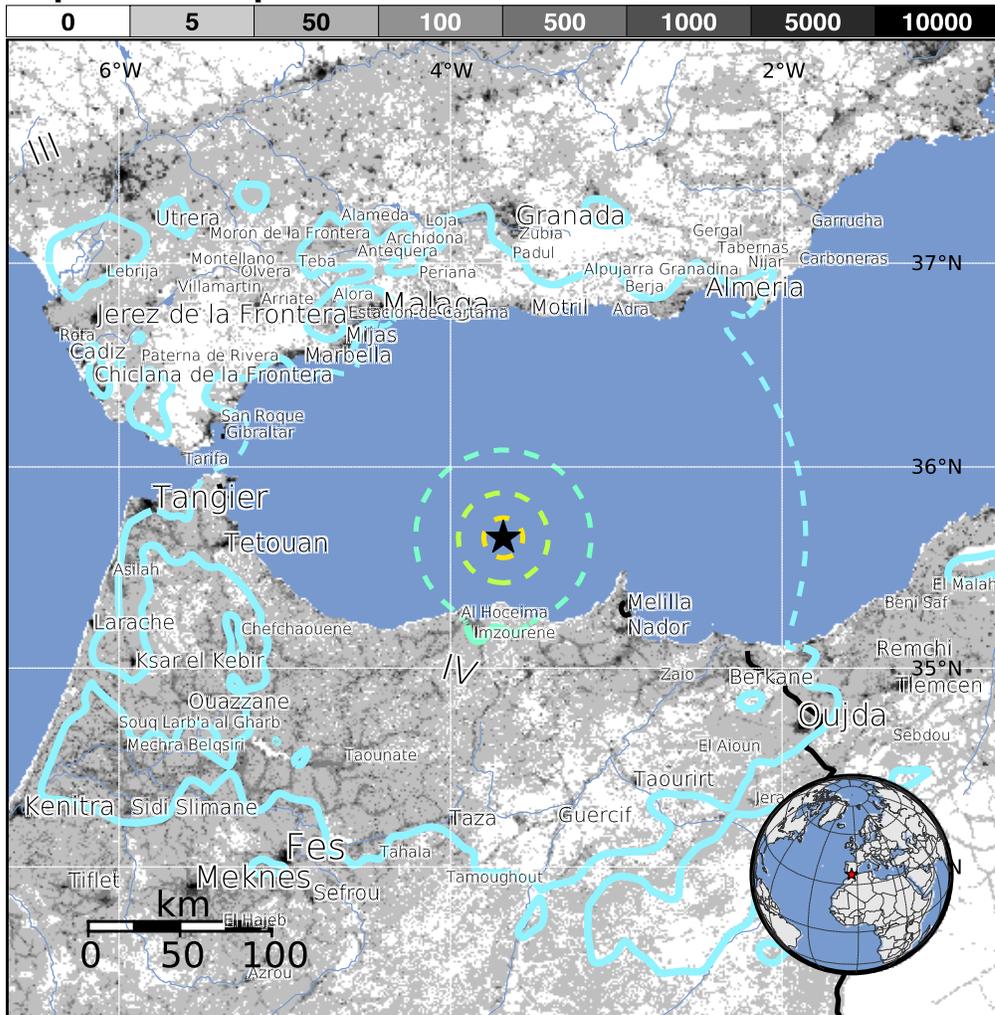


Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k = x1000) | --* | 13,576k* | 10,271k | 168k | 0 | 0 | 0 | 0 | 0 |
|---|-----------------------|----------|---------|----------|----------|-------------|----------------|----------------|----------|
| ESTIMATED MODIFIED MERCALLI INTENSITY | I | II-III | IV | V | VI | VII | VIII | IX | X+ |
| PERCEIVED SHAKING | Not felt | Weak | Light | Moderate | Strong | Very Strong | Severe | Violent | Extreme |
| POTENTIAL DAMAGE | Resistant Structures | none | none | none | V. Light | Light | Moderate | Moderate/Heavy | Heavy |
| | Vulnerable Structures | none | none | none | Light | Moderate | Moderate/Heavy | Heavy | V. Heavy |

*Estimated exposure only includes population within the map area.

Population Exposure



Structures:

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist.

Historical Earthquakes (with MMI levels):

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 2004-02-26 | 76 | 4.9 | VI(2k) | 0 |
| 1994-05-26 | 71 | 5.9 | VIII(879) | 2 |
| 2004-02-24 | 69 | 6.3 | IX(704) | 631 |

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

| MMI | City | Population |
|-----|-------------|------------|
| V | Al Hoceima | < 1k |
| V | Boudinar | < 1k |
| IV | Imzourene | 27k |
| IV | Taouima | < 1k |
| IV | Tirhanimine | 56k |
| IV | Midar | < 1k |
| IV | Tangier | 688k |
| IV | Fes | 965k |
| III | Sevilla | 703k |
| III | Meknes | 546k |
| III | Murcia | 437k |

bold cities appear on map

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<http://earthquake.usgs.gov/earthquakes/eventpage/us10004gy9>

Event ID: us10004gy9