

M 6.0, TONGA

Origin Time: Fri 2015-06-12 11:07:08 UTC (23:07:08 local)

Location: 15.68°S 173.01°W Depth: 48 km

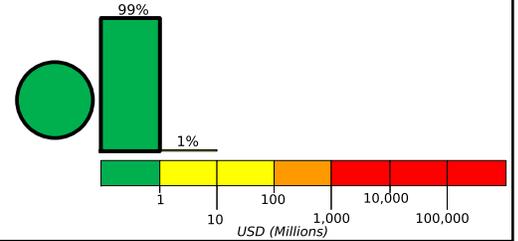
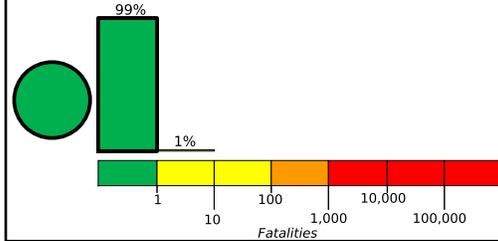
PAGER
Version 5

Created: 6 weeks, 6 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

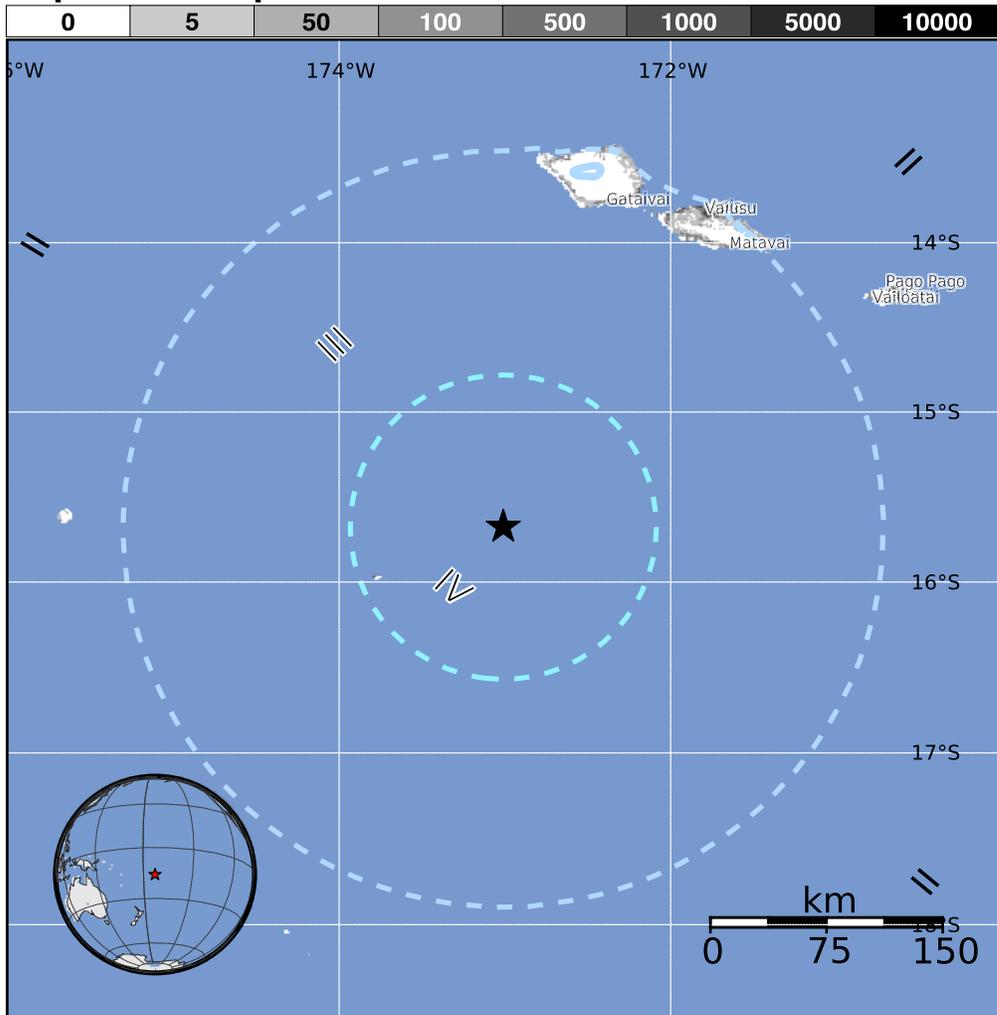


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	257k	1k	0	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	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. 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 vulnerable to earthquake shaking, though some resistant structures exist.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2006-09-28	153	6.9	IV(220k)	0
1977-06-13	345	5.7	VII(4k)	0
1999-01-05	337	5.9	VII(15k)	0

Selected City Exposure

from GeoNames.org

MMI City	Population
III Nofolai'i	2k
III Leulumoega	1k
III Lotofaga	1k
III Afenga	2k
III Malie	2k
III Gataivai	1k
III Apia	40k
III Leone	4k
II Faleniu	3k
II Tafuna	11k
II Pago Pago	12k

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/pager>

Event ID: us20002pak