

**M 5.7, TONGA**

Origin Time: Mon 2016-01-25 00:00:11 UTC (00:00:11 local)

Location: 19.53°S 173.38°W Depth: 53 km

**PAGER**  
**Version 5**

Created: 5 weeks, 5 days after earthquake

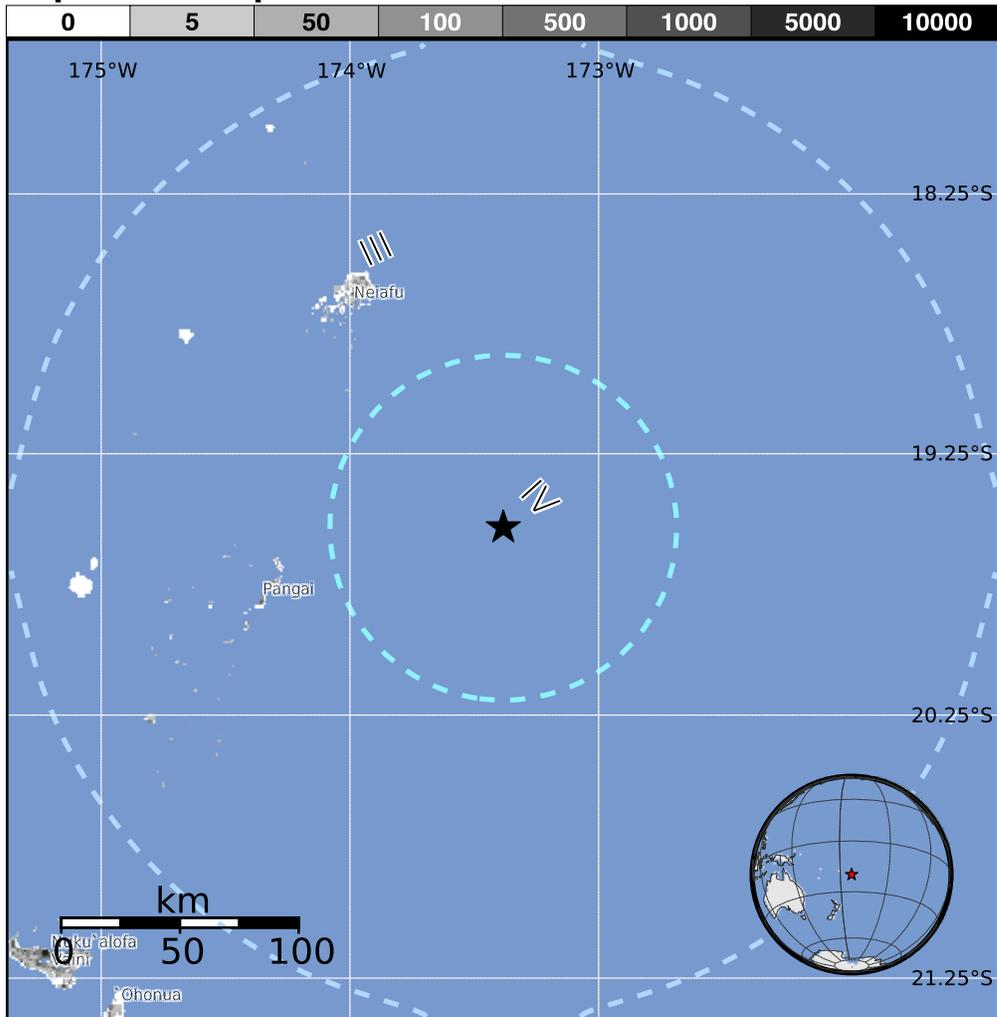


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	106k	0	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	367	6.9	IV(220k)	0
1983-03-21	290	6.7	VII(53k)	0
2006-05-03	96	8.0	VIII(9k)	0

**Selected City Exposure**

from GeoNames.org

MMI	City	Population
IV	Pangai	2k
III	Neiafu	4k
III	Nuku`alofa	22k
III	Vaini	3k
II	`Ohonua	1k
II	Havelu	3k

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/us10004gx7>

Event ID: us10004gx7