

M 5.4, TONGA

Origin Time: Sat 2016-06-04 09:18:39 UTC (09:18:39 local)

Location: 15.55°S 173.09°W Depth: 24 km

PAGER
Version 4

Created: 4 weeks, 1 day after earthquake

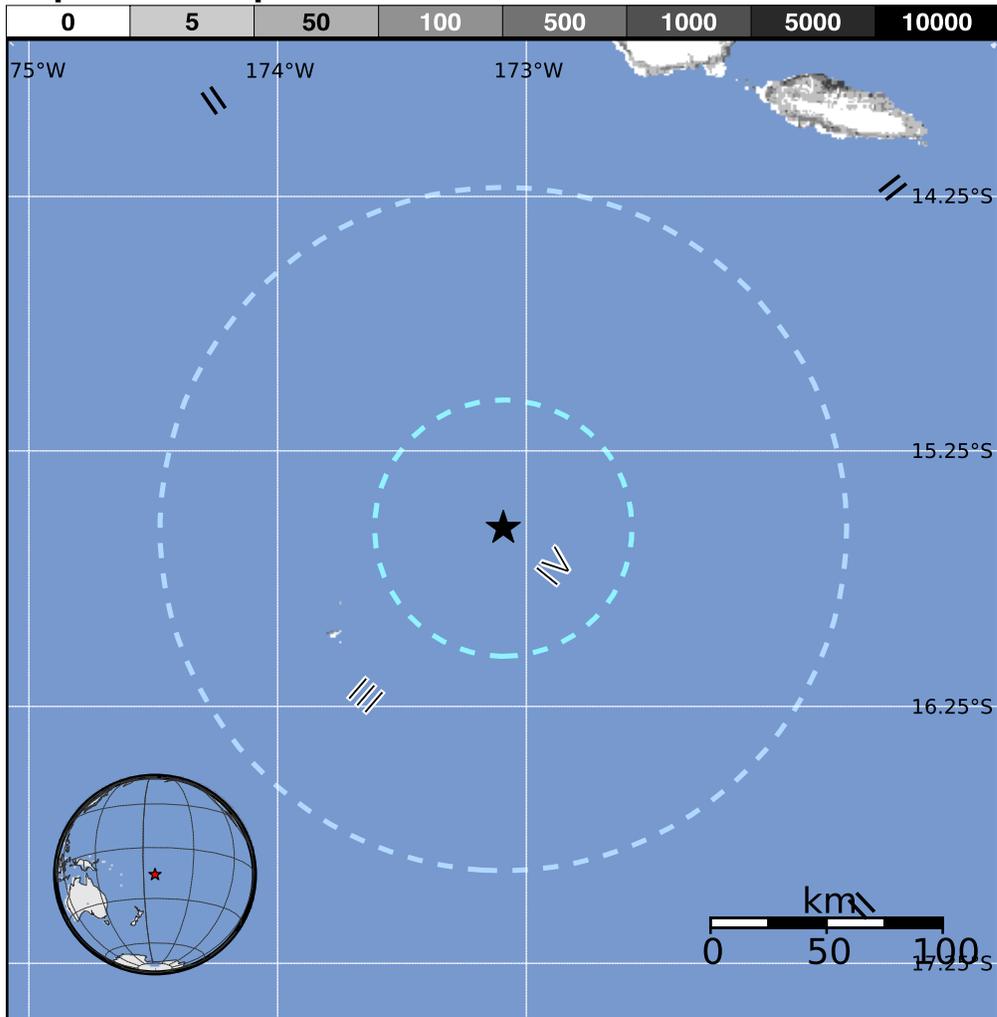


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	182k	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	165	6.9	IV(220k)	0
1977-06-13	349	5.7	VII(4k)	0
1999-01-05	341	5.9	VII(15k)	0

Selected City Exposure

from GeoNames.org

MMI	City	Population
II	Fasito`outa	2k
II	Afenga	2k
II	Lotofaga	1k
II	Nofoali`i	2k
II	Leulumoega	1k
II	Falefa	1k
II	Siusega	2k
II	Malie	2k
II	Vaiusu	2k
II	Faleula	3k
II	Apia	40k

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/us2000620t>

Event ID: us2000620t