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Earthquake Shaking Green Alert

GSN ANSS USAID FROM THE AMERICAN PEOPLE

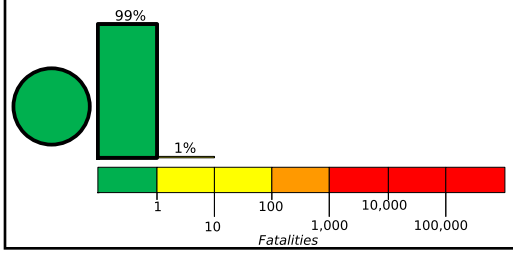
M 6.2, JUJUY, ARGENTINA

Origin Time: Thu 2016-08-04 14:15:13 UTC (11:15:13 local)
Location: 22.31°S 66.03°W Depth: 270 km

PAGER Version 5

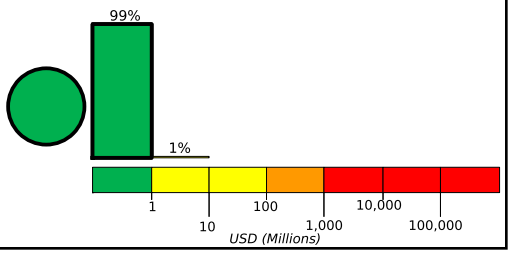
Created: 3 weeks, 3 days after earthquake

Estimated Fatalities



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

Estimated Economic Losses



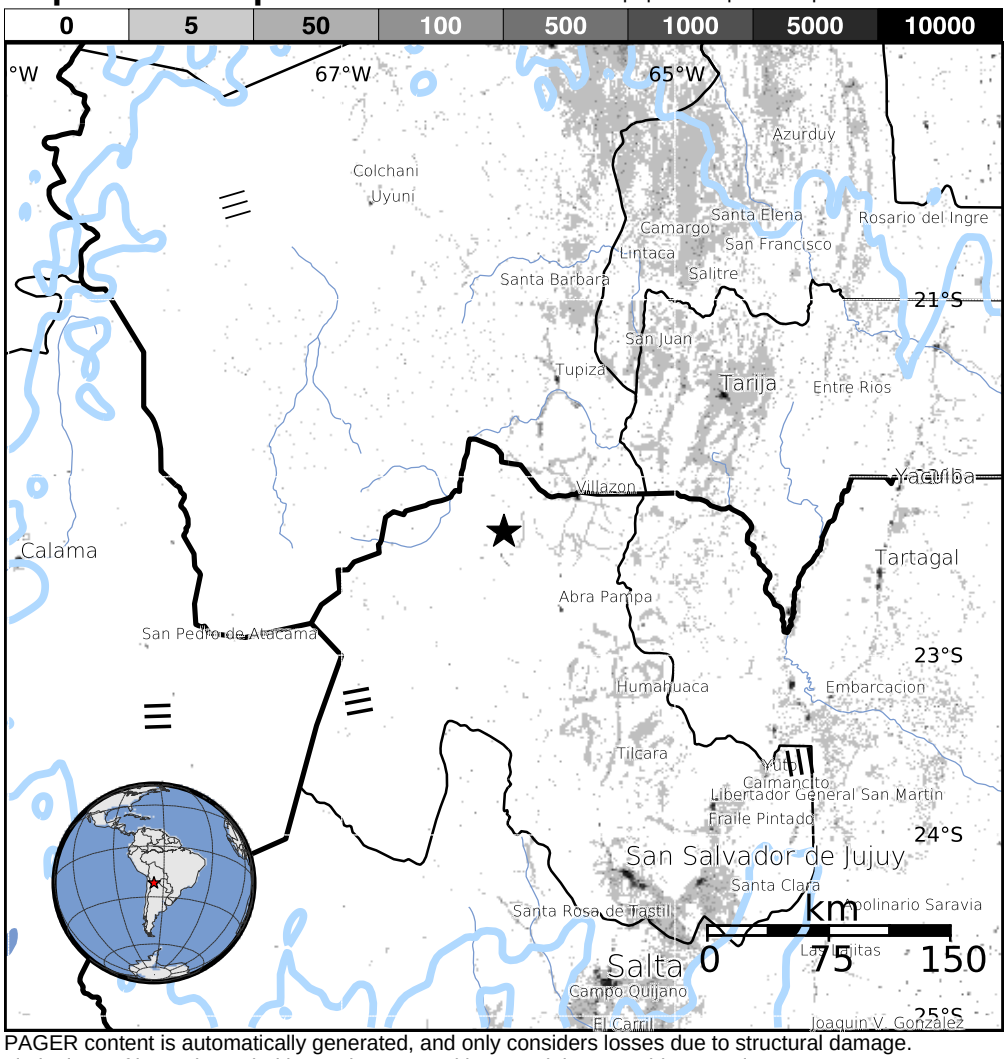
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	3,305k	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

population per ~1 sq. km from Landscan



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
1997-07-15	267	4.7	IV(621)	0
1985-12-14	311	5.6	VIII(1)	0
2004-03-22	181	5.7	VIII(407)	0

Selected City Exposure

from GeoNames.org

MMI	City	Population
III	La Quiaca	15k
III	**Villazon**	**30k**
III	**Abra Pampa**	**9k**
III	**Tarija**	**159k**
III	**Uyuni**	**10k**
III	**Calama**	**143k**
III	**Yacuiba**	**83k**
III	**Salta**	**513k**
II	Potosi	141k

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/us10006a1d

Event ID: us10006a1d