	Pacific Disaster Center Area Brief: General Executive Summary	HONOLULU 06:17:51 25 Feb 2017	WASH.D.C. 11:17:51 25 Feb 2017	ZULU 16:17:51 25 Feb 2017	NAIROBI 19:17:51 25 Feb 2017	BANGKOK 23:17:51 25 Feb 2017	TONGATAPU 05:17:51 26 Feb 2017
Region Se	Lower Left Latitude/Long Upper Right Latitude/Long						
			Nuku Alofa, TONGA	Google	모 🚶	Legend Population Density	(person/sqkm) 170,000
	Earthquake - 6.9 - 287km S Location: 23.24° S, 178.83° W Severity Level: Warning		Tsunami Inform Location: 23.4 ° S, 17 Severity Level: Inform	′8.5° W			

Additional information and analysis is available for Disaster Management Professionals. If you are a Disaster Management Professional and would like to apply for access, please register here. Validation of registration information may take 24-48 hours.

### **Current Hazards:**

Recent	Recent Earthquakes							
Event	Severity	Date (UTC)	Magnitude	Depth (km)	Location	Lat/Long		
	0	24-Feb-2017 17:38:46	6.9	414.8	287km S of Ndoi Island, Fiji	23.24° S/178.83° W		
Active	Active Recent Tsunamis							
Event	Severity	Date (UTC)		Lat/Long				
$\sim$								

Source: PDC

**Regional Overview** 

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No significant land or population areas exist within the current map extent. Please use http://atlas.pdc.org/atlas/ for dynamic mapping capabilities of this hazard.

#### **Risk & Vulnerability**

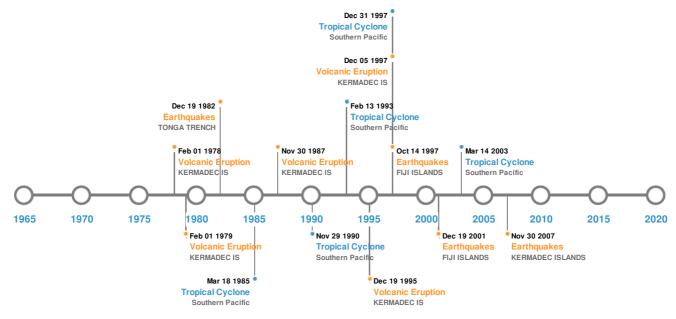
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No significant land or population areas exist within the current map extent.

Please use http://atlas.pdc.org/atlas/ for dynamic mapping capabilities of this hazard.

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### **Historical Hazards:**



#### **Earthquakes:**

5 Largest Earthquakes (Resulting in significant damage or deaths)								
Event	Date (UTC)	Magnitude	Depth (Km)	Location	Lat/Long			
<b></b>	16-Apr-1937 00:03:00	8.10	400	FIJI ISLANDS	21.5° S/177° W			
<b></b>	09-Dec-2007 00:07:00	7.80	153	KERMADEC ISLANDS	26° S/177.51° W			
<b></b>	19-Aug-2002 00:11:00	7.70	580	FIJI ISLANDS	21.7° S/179.51° W			
<b></b>	14-Oct-1997 00:09:00	7.70	167	FIJI ISLANDS	22.1° S/176.77° W			
<b></b>	19-Dec-1982 00:17:00	7.70	33	TONGA TRENCH	24.13° S/175.86° W			

Source: Earthquakes

## **Volcanic Eruptions:**

5 Largest Volcanic Eruptions (Last updated in 2000)								
Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long			
٩	MONOWAI SEAMOUNT	05-Dec-1997 00:00:00	2.00	KERMADEC IS	25.89° S/177.19° W			
	MONOWAI SEAMOUNT	19-Sep-1996 00:00:00	0.00	KERMADEC IS	25.89° S / 177.19° W			

Event	Name	Date (UTC)	Volcanic Explosivity Index	Location	Lat/Long			
Ó	MONOWAI SEAMOUNT	08-Sep-1988 00:00:00	0.00	KERMADEC IS	25.89° S / 177.19° W			
٩	MONOWAI SEAMOUNT	01-Feb-1979 00:00:00	0.00	KERMADEC IS	25.89° S/177.19° W			
٩	MONOWAI SEAMOUNT	01-Feb-1978 00:00:00	0.00	KERMADEC IS	25.89° S / 177.19° W			
Source: Volcand	Source: <u>Volcanoes</u>							

# **Tropical Cyclones:**

5 Large	5 Largest Tropical Cyclones							
Event	Name	Start/End Date(UTC)	Max Wind Speed (mph)	Min Pressure (mb)	Location	Lat/Long		
٢	1997-12- 20	01-Jan-1998 00:00:00 - 09-Jan-1998 12:00:00	161	No Data	Southern Pacific	22.67° S/0°		
٢	1985-03- 12	12-Mar-1985 06:00:00 - 18-Mar-1985 18:00:00	155	No Data	Southern Pacific	23.07° S/0°		
٢	1990-11- 23	23-Nov-1990 12:00:00 - 29-Nov-1990 06:00:00	144	No Data	Southern Pacific	14.13° S/0°		
٢	1993-02- 03	03-Feb-1993 06:00:00 - 13-Feb-1993 18:00:00	132	No Data	Southern Pacific	19.15° S/0°		
٢	ESETA	11-Mar-2003 00:00:00 - 14-Mar-2003 00:00:00	127	No Data	Southern Pacific	20.29° S/0°		

Source: Tropical Cyclones

Disclosures

\* As defined by the source (<u>Dartmouth Flood Observatory</u>, University of Colorado), Flood Magnitude = LOG(Duration x Severity x Affected Area). Severity classes are based on estimated recurrence intervals and other criteria.

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