



Pacific Disaster Center
*Area Brief: General
 Executive Summary*

HONOLULU
 19:04:47
 15 Oct 2018

WASH.D.C.
 01:04:47
 16 Oct 2018

ZULU
 05:04:47
 16 Oct 2018

NAIROBI
 08:04:47
 16 Oct 2018

BANGKOK
 12:04:47
 16 Oct 2018

NOUMEA
 16:04:47
 16 Oct 2018

Region Selected » Lower Left Latitude/Longitude: -24.8949 N° , 166.4286 E°
 Upper Right Latitude/Longitude: -18.8949 N° , 172.4286 E°



Situational Awareness

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 Earthquakes

| Event | Severity | Date (UTC) | Magnitude | Depth (km) | Location | Lat/Long |
|-------|----------|----------------------|-----------|------------|------------------------------------|----------------------|
| | | 16-Oct-2018 05:02:38 | 5.6 | 10 | 164km ESE of Tadine, New Caledonia | 21.89° S / 169.43° E |
| | | 16-Oct-2018 04:36:46 | 5 | 10 | 176km ESE of Tadine, New Caledonia | 21.98° S / 169.53° E |
| | | 16-Oct-2018 04:24:35 | 5.1 | 10 | 167km ESE of Tadine, New Caledonia | 22.02° S / 169.42° E |
| | | 16-Oct-2018 03:48:30 | 5 | 10 | 164km E of Tadine, New Caledonia | 21.76° S / 169.45° E |
| | | 16-Oct-2018 03:32:45 | 5.1 | 10 | 191km E of Tadine, New Caledonia | 21.86° S / 169.7° E |
| | | 16-Oct-2018 03:21:28 | 5.1 | 10 | 154km ESE of Tadine, New Caledonia | 21.9° S / 169.33° E |
| | | 16-Oct-2018 02:45:59 | 5 | 10 | 184km ESE of Tadine, New Caledonia | 22° S / 169.6° E |
| | | 16-Oct-2018 01:54:58 | 5.2 | 10 | 165km E of Tadine, New Caledonia | 21.76° S / 169.46° E |
| | | | | | | |

| Event | Severity | Date (UTC) | Magnitude | Depth (km) | Location | Lat/Long |
|-------|----------|----------------------|-----------|------------|------------------------------------|----------------------|
| | | 16-Oct-2018 01:49:26 | 5.1 | 10 | 165km ESE of Tadine, New Caledonia | 21.93° S / 169.43° E |
| | | 16-Oct-2018 01:49:26 | 5.4 | 10 | 166km E of Tadine, New Caledonia | 21.8° S / 169.47° E |
| | | 16-Oct-2018 01:33:34 | 5.8 | 10 | 156km E of Tadine, New Caledonia | 21.82° S / 169.37° E |
| | | 16-Oct-2018 01:11:39 | 6.4 | 10 | 167km E of Tadine, New Caledonia | 21.73° S / 169.49° E |
| | | 16-Oct-2018 00:37:51 | 6.3 | 10 | 170km ESE of Tadine, New Caledonia | 21.94° S / 169.48° E |

Active Recent Tsunamis

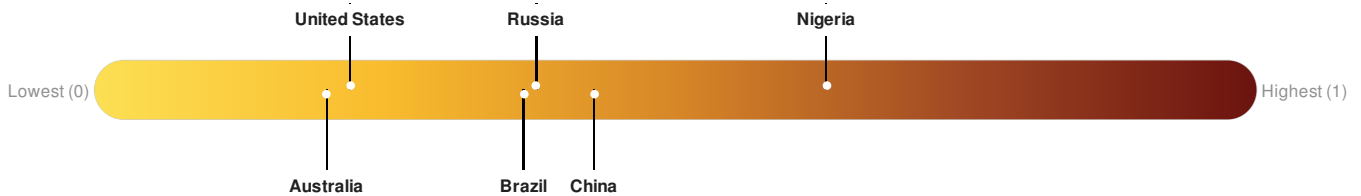
| Event | Severity | Date (UTC) | Name | Lat/Long |
|-------|----------|----------------------|--|--------------------|
| | | 16-Oct-2018 01:10:59 | Tsunami (Pacific Ocean) - Southeast Of Loyalty Islands - 6.8 | 21.7° S / 169.4° E |
| | | 16-Oct-2018 00:38:32 | Tsunami (Pacific Ocean) - Southeast Of Loyalty Islands - 6.5 | 21.8° S / 169.7° E |

Source: [PDC](#)

Lack of Resilience Index:

The Lack of Resilience Index assesses the susceptibility to impact and the short-term inability to absorb, respond to, and recover from disruptions to a country's normal function.

There was insufficient data to determine the Lack of Resilience Index score for **Vanuatu**. There was insufficient data to determine the Lack of Resilience Index score for **New Caledonia**.



Source: [PDC](#)

Regional Overview

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.

Population Data:

2011

Total: **151,558**

Max Density: **11,705**(ppl/km²)

Populated Areas:

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

Source: [iSciences](#)

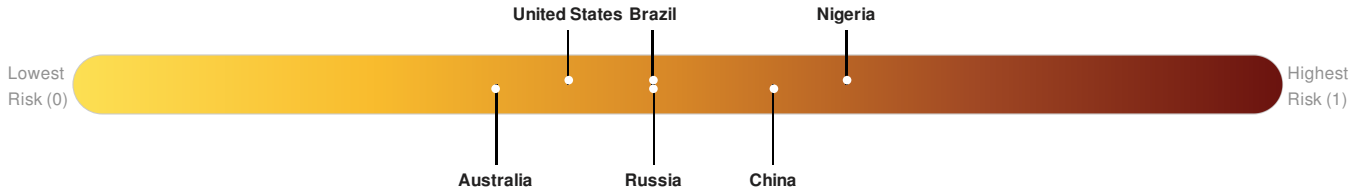
Additional information and analysis is available for Disaster Management Professionals. If you are a Disaster Management Professional and would like to apply for access, please [register here](#). Validation of registration information may take 24-48 hours.

Multi Hazard Risk Index:

The Multi Hazard Risk index assesses the likelihood of losses or disruptions to a country's normal function due to the interaction between exposure to multiple hazards (tropical cyclone winds, earthquake, flood and tsunami), socioeconomic vulnerability, and coping capacity

There was insufficient data to determine the Multi Hazard Risk Index score for **Vanuatu**.

There was insufficient data to determine the Multi Hazard Risk Index score for **New Caledonia**.

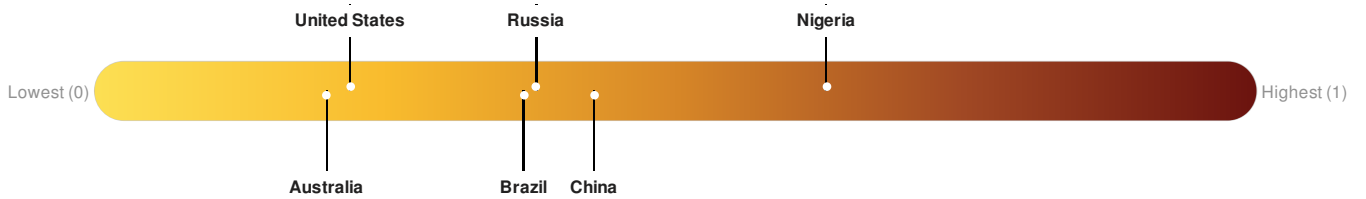


Source: [PDC](#)

Lack of Resilience Index:

The Lack of Resilience Index assesses the susceptibility to impact and the short-term inability to absorb, respond to, and recover from disruptions to a country's normal function.

There was insufficient data to determine the Lack of Resilience Index score for **Vanuatu**. There was insufficient data to determine the Lack of Resilience Index score for **New Caledonia**.

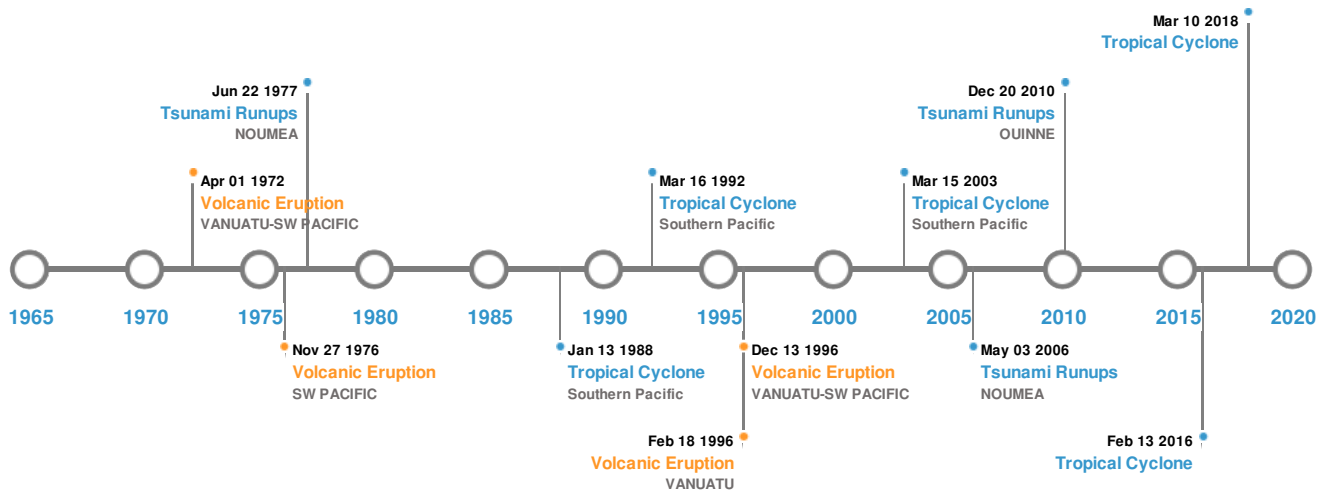


Source: [PDC](#)

Historical Hazards

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.

Historical Hazards:



Earthquakes:

5 Largest Earthquakes (Resulting in significant damage or deaths)

| Event | Date (UTC) | Magnitude | Depth (Km) | Location | Lat/Long |
|---|----------------------|-----------|------------|--------------------------------|--------------------|
|  | 16-Jun-1910 00:06:00 | 8.60 | 100 | VANUATU ISLANDS | 19° S / 169.5° E |
|  | 09-Aug-1901 00:13:00 | 8.40 | 60 | NEW CALEDONIA: LOYALTY ISLANDS | 22° S / 170° E |
|  | 14-Oct-1913 00:08:00 | 8.10 | 230 | VANUATU ISLANDS | 19.5° S / 169° E |
|  | 20-Sep-1920 00:14:00 | 8.00 | 33 | NEW CALEDONIA: LOYALTY ISLANDS | 20.6° S / 168.8° E |
|  | 11-Feb-1878 00:00:00 | 8.00 | - | VANUATU ISLANDS | 19° S / 168.5° E |

Source: [Earthquakes](#)

Volcanic Eruptions:






5 Largest Volcanic Eruptions (Last updated in 2000)

| Event | Name | Date (UTC) | Volcanic Explosivity Index | Location | Lat/Long |
|---|-------|----------------------|----------------------------|--------------------|----------------------|
|  | YASUR | 01-Apr-1972 00:00:00 | 3.00 | VANUATU-SW PACIFIC | 19.52° S / 169.43° E |
| | YASUR | 13-Aug-1997 00:00:00 | 2.00 | VANUATU-SW PACIFIC | 19.52° S / 169.43° E |

| Event | Name | Date (UTC) | Volcanic Explosivity Index | Location | Lat/Long |
|---|--------------------|----------------------|----------------------------|------------|----------------------|
|  | EASTERN GEMINI SEA | 18-Feb-1996 00:00:00 | 2.00 | VANUATU | 20.98° S / 170.29° E |
|  | MATTHEW ISLAND | 27-Nov-1976 00:00:00 | 2.00 | SW PACIFIC | 22.33° S / 171.32° E |
|  | MATTHEW ISLAND | 01-Oct-1954 00:00:00 | 2.00 | SW PACIFIC | 22.33° S / 171.32° E |






Source: [Volcanoes](#)

Tsunami Runups:

| 5 Largest Tsunami Runups | | | | | | |
|---|----------------------|---------------|-----------|--------|----------------------|----------------------|
| Event | Date (UTC) | Country | Runup (m) | Deaths | Location | Lat/Long |
|  | 10-Jan-1878 00:00:00 | VANUATU | 12 | - | TANNA ISLAND | 19.5° S / 169.33° E |
|  | 28-Mar-1875 00:00:00 | VANUATU | 4 | - | ANEYTIOUM (ANEITYUM) | 20.2° S / 169.82° E |
|  | 03-May-2006 19:18:00 | NEW CALEDONIA | 0.24 | - | NOUMEA | 22.27° S / 166.43° E |
|  | 20-Aug-2011 17:51:02 | NEW CALEDONIA | 0.14 | - | QUINNE | - / - |
|  | 22-Jun-1977 18:13:00 | NEW CALEDONIA | 0.09 | - | NOUMEA | 22.27° S / 166.43° E |

Source: [Tsunamis](#)

Tropical Cyclones:

| 5 Largest Tropical Cyclones | | | | | | |
|---|------------|---|----------------------|-------------------|------------------|---------------------|
| Event | Name | Start/End Date(UTC) | Max Wind Speed (mph) | Min Pressure (mb) | Location | Lat/Long |
|  | 1992-03-04 | 04-Mar-1992 06:00:00 - 16-Mar-1992 18:00:00 | 161 | No Data | Southern Pacific | 17.91° S / 0° |
|  | 1988-01-06 | 06-Jan-1988 06:00:00 - 13-Jan-1988 18:00:00 | 161 | No Data | Southern Pacific | 14.28° S / 0° |
|  | ERICA | 05-Mar-2003 00:00:00 - 15-Mar-2003 06:00:00 | 161 | No Data | Southern Pacific | 20.98° S / 166.4° E |
|  | TWELVE | 06-Mar-2018 15:00:00 - 10-Mar-2018 09:00:00 | 150 | - | - | 21.76° S / 168.8° E |
|  | WINSTON | 11-Feb-2016 00:00:00 - 13-Feb-2016 00:00:00 | 144 | - | - | 20.99° S / 171.9° E |

Source: [Tropical Cyclones](#)

Disclosures

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

The information and data contained in this product are for reference only. Pacific Disaster Center (PDC) does not guarantee the accuracy of this data. Refer to original sources for any legal restrictions. Please refer to PDC Terms of Use for PDC generated information and products. The names, boundaries, colors, denominations and any other information shown on the associated maps do not imply, on the part of PDC, any judgment on the legal status of any territory, or any endorsement or acceptance of such boundaries.

