

## **GOOGLE EARTH DATABASE FILES FOR TSUNAMI WARNING**

*2007-2015, July 2018*

Google Earth is a popular graphical tool that can display a number of data layers simultaneously. Several organizations are now providing data files (.kml and/or .kmz) that can be imported into this user-friendly visualization. Tsunami-related database files include those for the USGS-located earthquakes (in near real-time), WDS/NCEI Global Historical Tsunami, Significant Earthquakes and Volcanic Eruptions databases, and the IRIS Global Seismic Network, as well as the PTWC Enhanced Product tsunami forecasts during events.

*If you have other .kml or .kmz files that are useful, please let ITIC (itic.tsunami@noaa.gov) know so we may add them to our list of available information.*

### **Google Earth Software:**

<https://www.google.com/earth/>

### **USGS Earthquakes (including real-time) and Tectonics**

<https://earthquake.usgs.gov/learn/kml.php>

### **IRIS Global Seismic Network:**

[http://ds.iris.edu/gmap/#network=\\_GSN&planet=earth](http://ds.iris.edu/gmap/#network=_GSN&planet=earth)

Station KML available for download from web site (lower left)

### **WDS/NCEI Natural Hazards, including tsunamis, earthquakes, volcanoes**

World Data Service / National Centers for Environmental Information

<https://www.ngdc.noaa.gov/hazard/>

Natural Hazards KMZ available for download from web site

### **Sea Level Network**

IOC IODE Sea Level Monitoring Facility – Sea Level stations

KML file available for download from web site

<http://www.ioc-sealevelmonitoring.org/map.php>