A satellite image of a hurricane, showing a distinct eye and spiral cloud bands. The image is in grayscale. A yellow rectangular box is overlaid on the top half of the image, containing the title text. In the bottom left corner, there is a north arrow and a scale bar labeled '250 km'.

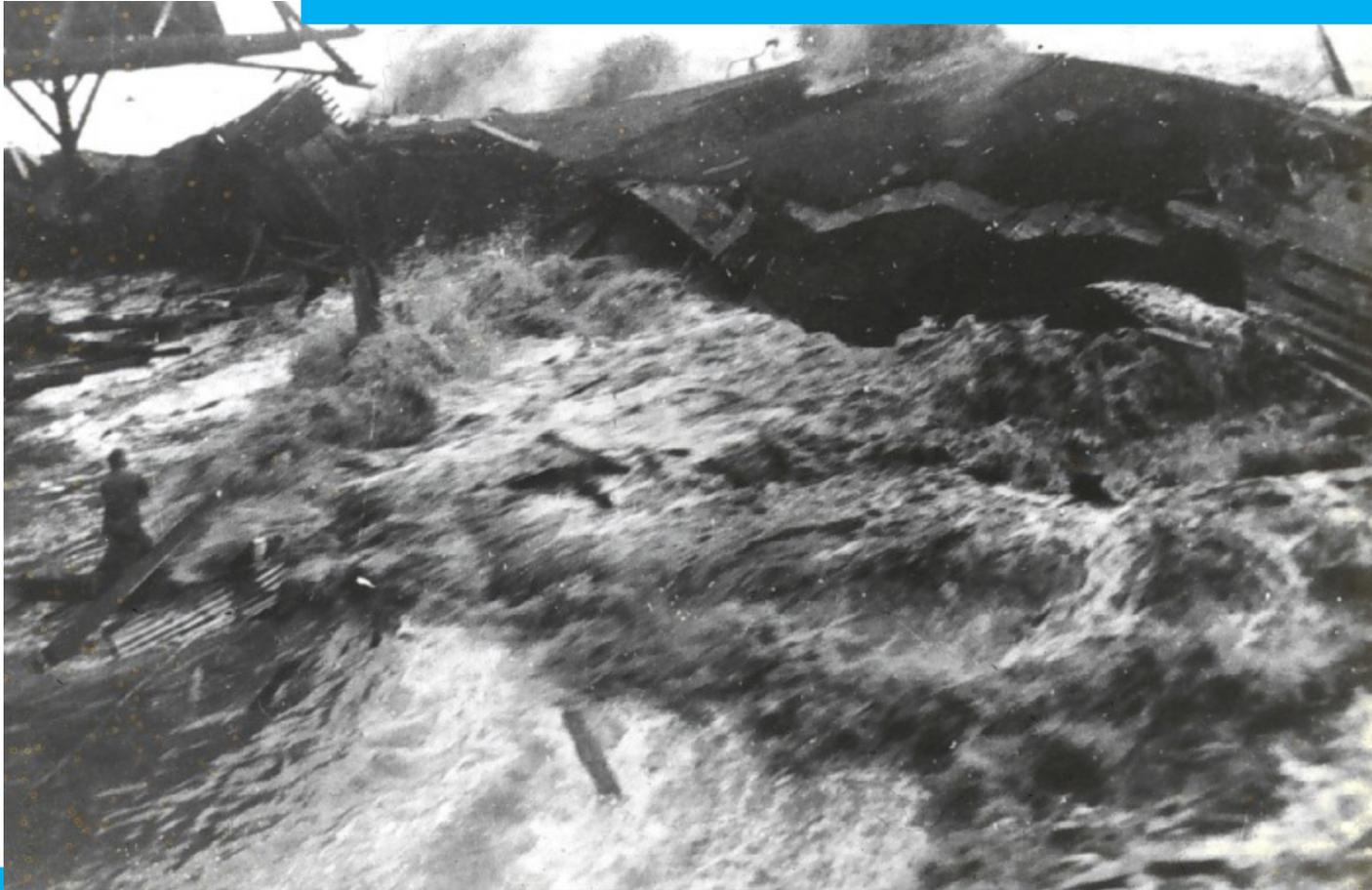
Tsunamis and Hurricanes

250 km

LOOK OUT!!!!!!

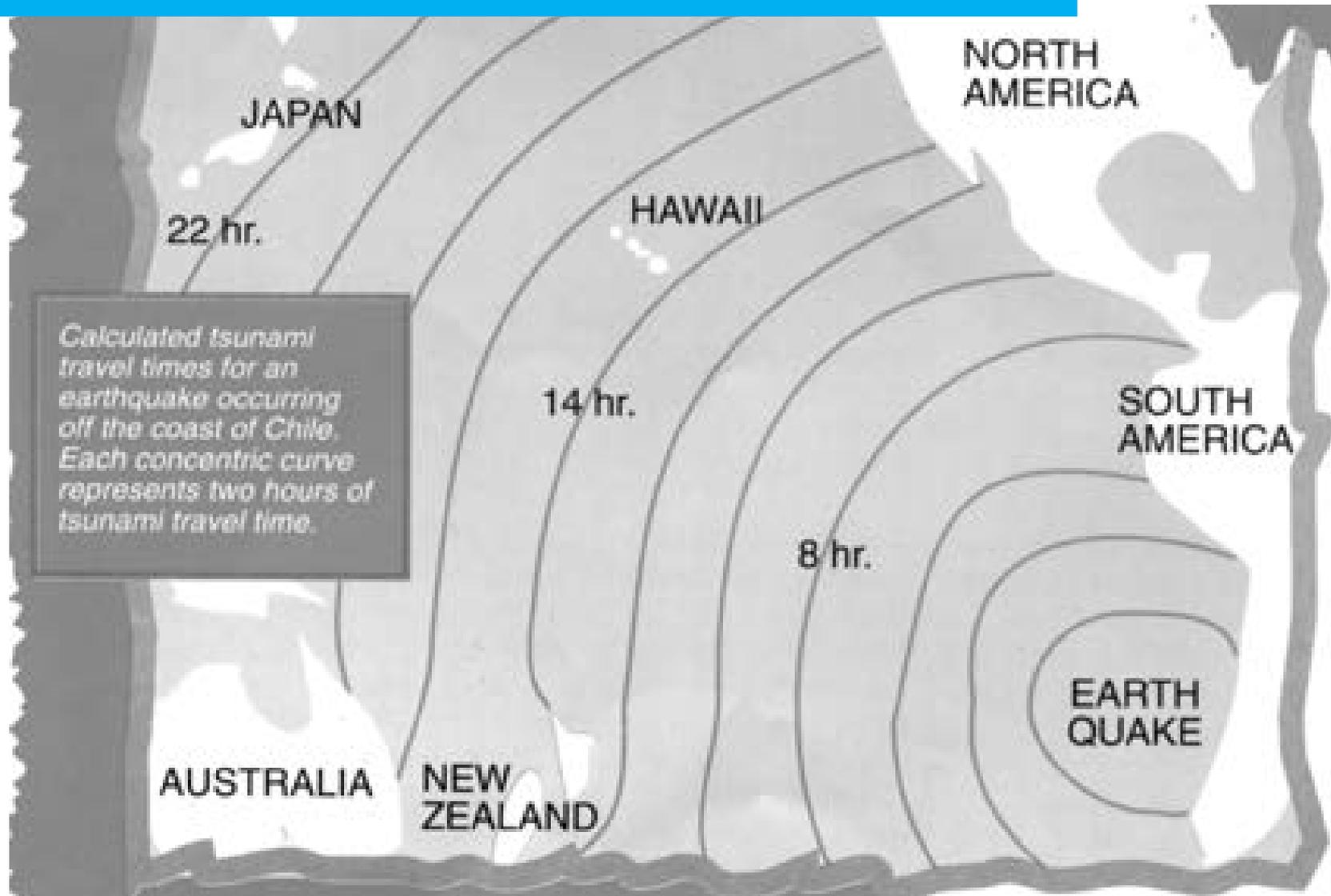


Tsunami



a **series** of ocean waves caused by an earthquake, submarine landslide or volcanic activity.

How does a tsunami form?





Who monitors for Tsunamis?

1.) United States Geological Survey (USGS)

monitor earthquakes using seismic equipment

2.) National Oceanic & Atmospheric Administration (NOAA)

special buoys, bathymetry and topography to make models that forecast the tsunamis

3.) National Weather Service

educates the public on tsunami hazard preparedness.

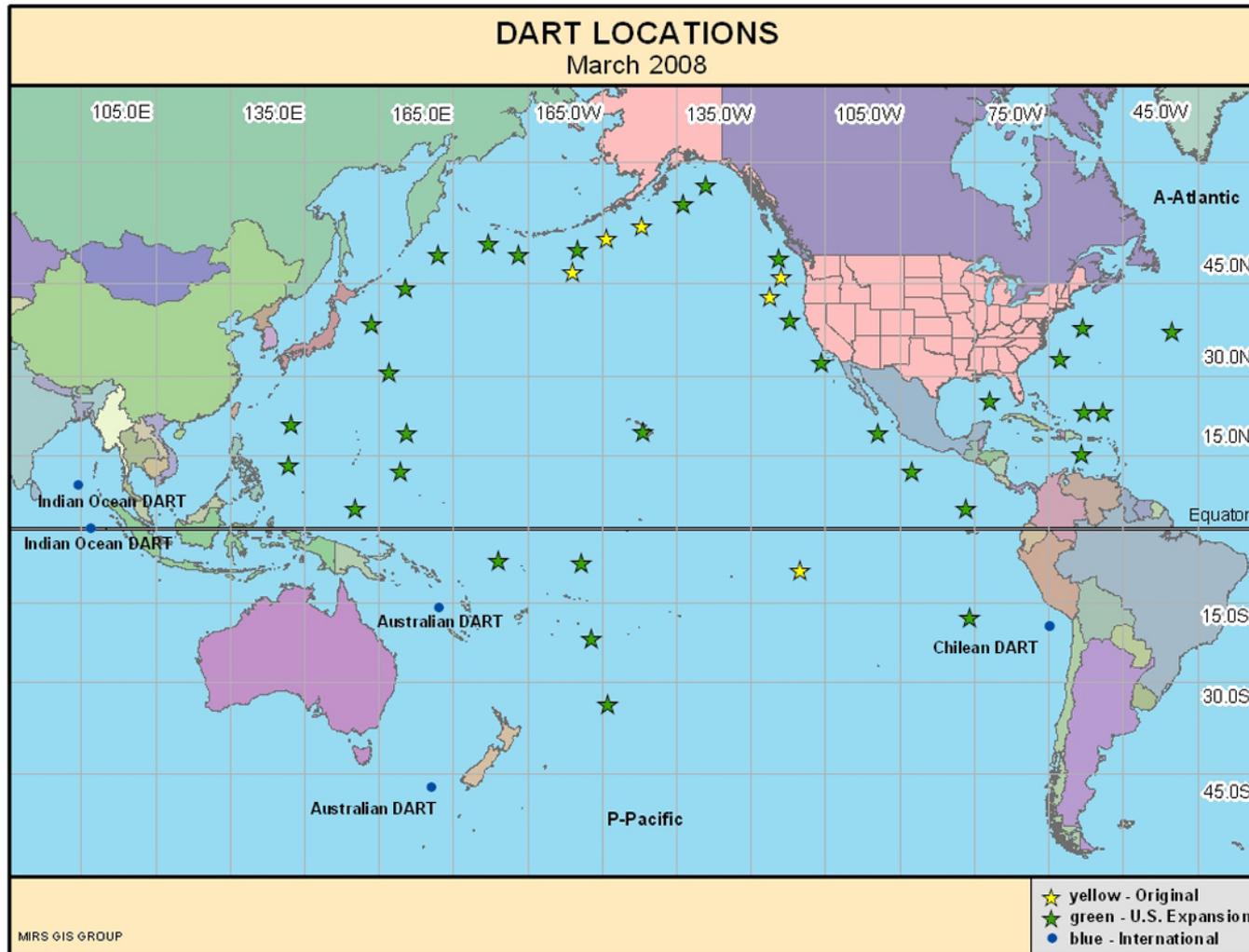
What tracks a tsunami?

D.A.R.T Buoy

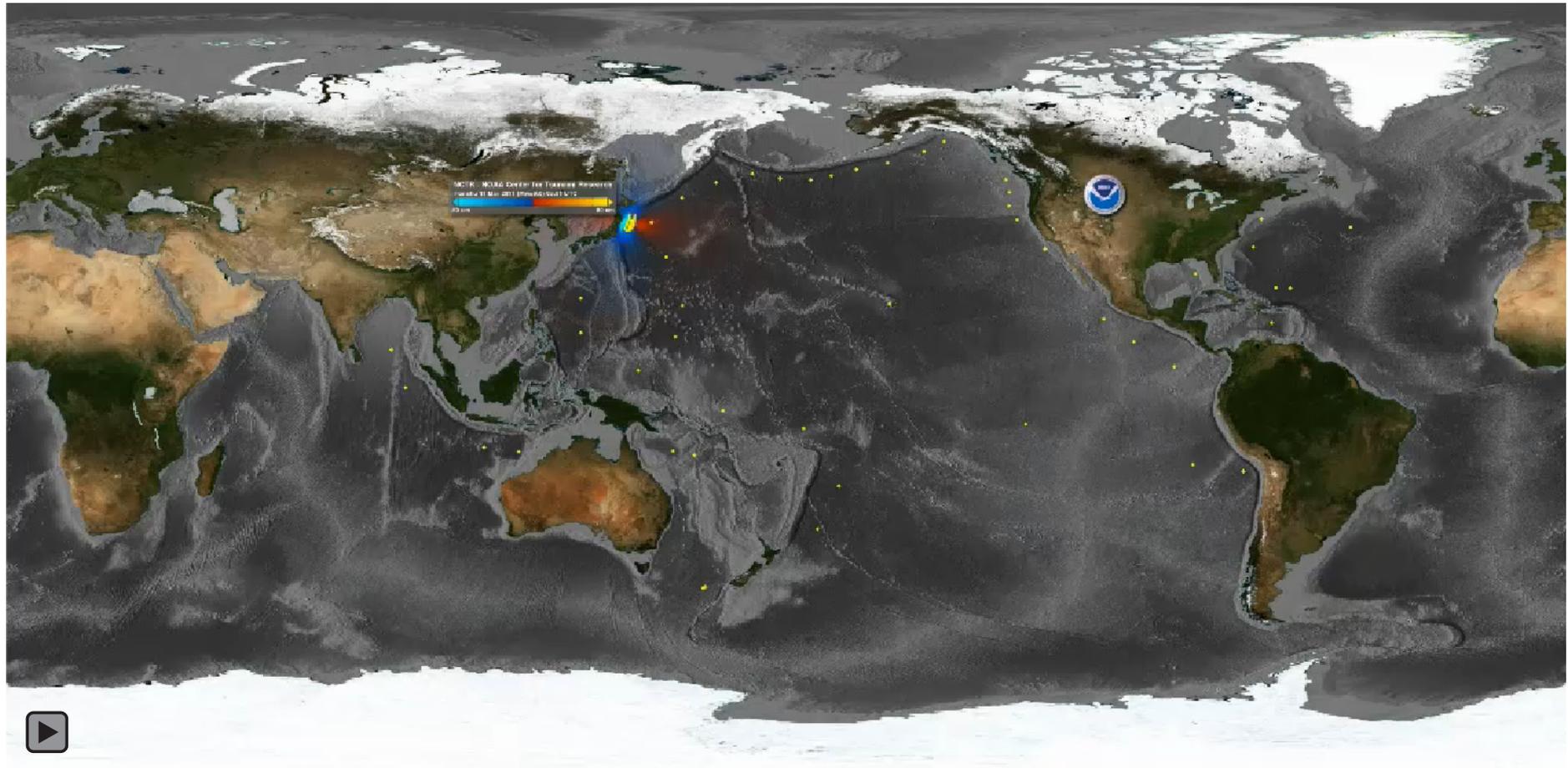


Deep Ocean
Assessment &
Reporting of
Tsunamis

D.A.R.T Buoy Locations Around the World

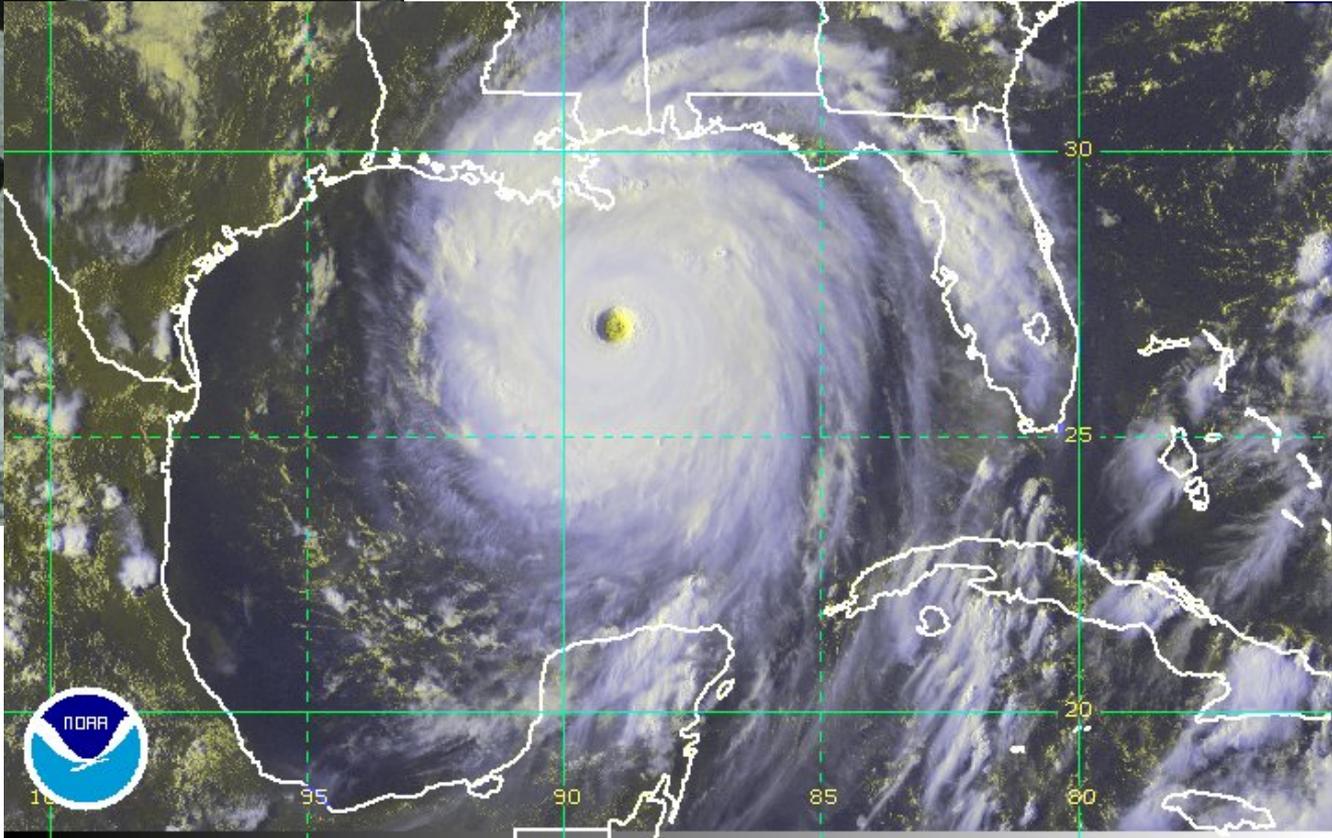
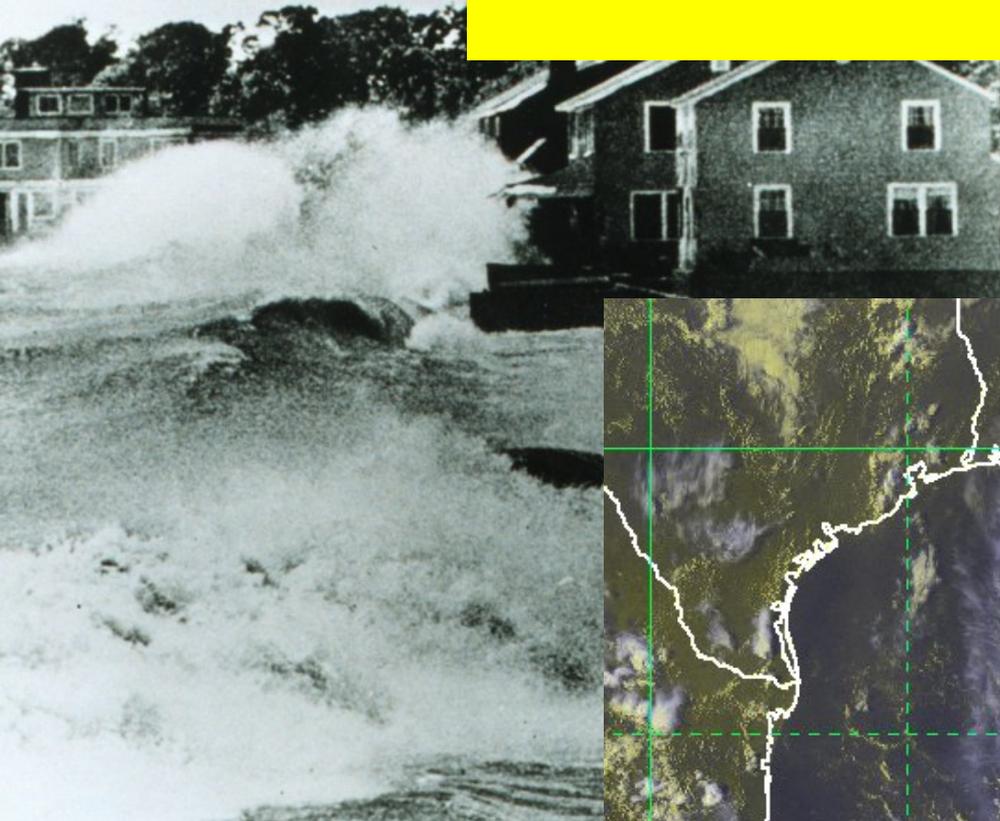


Case Study: 2011 Japan Tsunami Animation





What is a Hurricane?



What tracks a hurricane?



What tracks a hurricane?



National Oceanic and Atmospheric Administration (NOAA) Ship

What tracks a hurricane?



Tsunamis vs. Hurricanes

| Questions | Tsunami | Hurricane |
|--|--|---|
| What is it? | A series of waves from an earthquake, landslide, or volcanic activity. | A cyclone with sustained winds of 74 miles per hour or more. |
| What sort of technology is used to monitor it? | Seismic equipment, D.A.R.T buoys, bathymetry and topographic maps to make models | Buoys, ships, satellites, radar, radiosondes, reconnaissance aircraft |