



**Thursday, 7 November 2013**

## **Update on Super-Typhoon “Haiyan”**

### **WHAT:**

Typhoon 31W "Haiyan", Philippines: “Yolanda”

### **WHERE:**

Central Philippines / Earthquake affected area on BOHOL / CEBU

### **WHEN:**

Night November 7/8 and Friday 8 November 2013

### **INTENSITY:**

- Maximum intensity right now, 7 November, 12 UTC
- average wind speed 150 kt (278 kph), gusts 180 kt (333 kph), Cat 5
- crossing central Philippines as Cat 4 and Cat 3 typhoon (gusts 296 kph near storm center)

### **CONSEQUENCES FOR BOHOL 07/08 NOVEMBER 2013:**

- Gusts 80-140 kph
- Torrential rain
- landslides
- flash floods
- significant storm surge (~2-3 m above normal)
- damage in crop
- interrupted infrastructure (power lines, streets, water supply....)
- very muddy surface

### **PROBABILITY:**

- Landfall on the island of Leyte (or Samar) around 8 November, 03 UTC
- Center of storm expected to pass Bohol in a distance of 150 km to the north, so most damaging winds and rain areas won't strike directly
- Manila also will be outside most damaging storm area

### **CEDIM**

- Haiyan is a very strong typhoon (will be probably one of the strongest ever)
- will affect BOHOL earthquake area (multihazard scenario). Most intense wind and rain probably not on BOHOL. However, flash floods, landslides, storm gusts and storm surge are imminent.

## PRELIMINARY INFORMATION as of 7 November 2013, 12 UTC

- Haiyan is the fourth Cat 5 storm in the Western Pacific so far in 2013
- Haiyan is the fifth Cat 5 storm on Earth so far in 2013
- this is the highest number of Cat 5s since 2009, which had four Cat 5s in the Western Pacific and one in the Eastern Pacific.
- Since 2000, Earth has averaged 4.4 Cat 5 storms
- The record for Cat 5s in a year is twelve, set in 1997, when an astonishing ten Cat 5s occurred in the Western Pacific
  
- Haiyan became Cat 5 typhoon on Wednesday, 6 November 2013, 12 UTC
- Haiyan became a Cat 5 at an unusually low latitude (7.9°N), but not record
- Central pressure of Haiyan was given of 905 hPa (JMA) or 911 hPa (NRLMRY)
- With warm waters that extend to great depth, low wind shear, and excellent upper-level outflow, Haiyan will likely stay at Category 4 or 5 strength until landfall
- landfall occurs between 03 - 06 UTC Friday in the central Philippine islands of Samar or Leyte
- Expected track would push a dangerous storm surge into the funnel-shaped Leyte Gulf, which comes to a point in Tacloban
- Storm surge forecasts made by [the Philippines' Project NOAH](#) at November 7, 2013, are calling for 2-4 meters of surge around Camotes Sea between Leyte, Cebu, Bohol. Tacloban 3.62 m.
  
- **Haiyan the fifth named storm to hit the Philippines in 2013**
- The others were:
  - [Tropical Storm Rumbia](#), which hit the island of Samar on June 29 as a tropical storm, killing six.
  - [Typhoon Nari](#), which hit Luzon on October 11 as a Category 3 typhoon with 115 mph winds, killing five.
  - [Typhoon Utor](#), which hit Luzon on August 12 as a Category 4 typhoon with 140 mph winds, killing fourteen and causing \$25 million in damage.
  - [Typhoon Krosa](#), which hit northern Luzon on October 31 as a Category 2 typhoon with 105 mph winds, killing five and doing \$5 million in damage.
  
- **Deadliest and costliest weather disasters on the Philippines**
- Super typhoon Bopha: struck as a Category 5 super typhoon with winds of 160 mph (260 km/h), on December 3, 2012. Occurred on the southern Philippine island of Mindanao, Earth's deadliest weather disaster of 2012. Left 1901 people dead, mostly on the island of Mindanao, making Bopha the [2nd deadliest typhoon in Philippine history](#). With damages estimated at \$1.7 billion, Bopha was the second costliest natural disaster in Philippines history.
- Torrential rains in the wake of Typhoon Trami inundated the capital of Manila and large areas of Luzon, killing 27 people and causing damages estimated at \$2.2 billion (according EM-DAT)
- Deadliest typhoon was Thelma 1991, claimed more than 5000 fatalities

Wettergefahren-Frühwarnung – Latest Infos on „Haiyan“ in German

<http://www.wettergefahren-fruehwarnung.de/Artikel/20131106.html>

Images:

Latest Forecasted (most likely) track of "Haiyan" (Joint Typhoon Warning Center),

7 November 2013, 06 UTC

