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 (multi-hazard 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

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