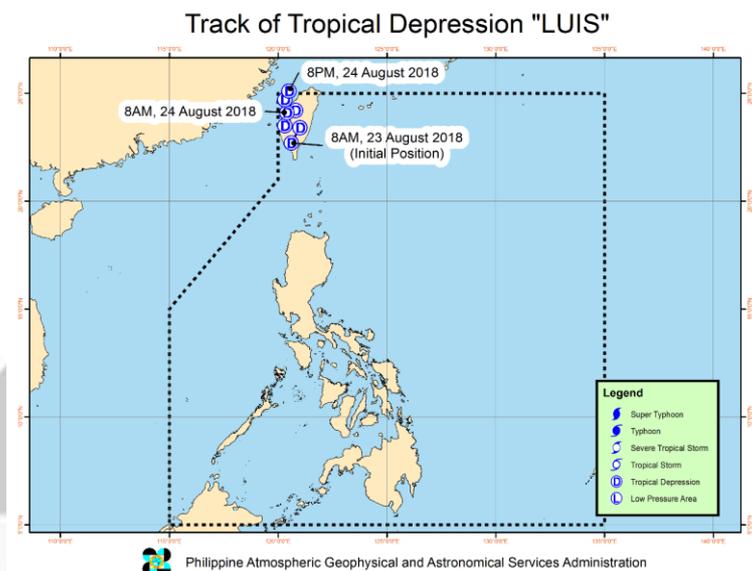


Tropical Depression LUIS Summary Report



Tropical Depression "LUIS" is the 12th tropical cyclone (TC) to enter or develop within the Philippine Area of Responsibility (PAR) in 2018 and the 2nd TC in August.

Originating from an area of lower pressure within the monsoon trough axis situated across Taiwan and southern China, LUIS was first noted as a tropical depression (TD) at 8:00 AM on 23 August. The TD entered the PAR at around 5:00 AM on 23 August 2018 and then made landfall in the vicinity of Kaohsiung City in southern Taiwan at 8:00 AM later that morning. The TD remained over land for almost the entire warning period. As a result of the rugged terrain of Taiwan, the nature of its track was slow and slightly erratic. Overall, the TD maintained a north-northwestward trajectory during this period. LUIS weakened as it moved off the coast of Taiwan just near Taichung City and then crossed the PAR boundary at around 8:00 PM on 24 August. LUIS weakened further as it approached the coast of China before becoming fully embedded in the monsoon trough circulation on 26 August. TD LUIS reached a peak intensity of 55 km/h during the warning period.

LUIS brought widespread rains in southern Taiwan and instigated the enhancement of the southwest monsoon ("habagat"), which produced persistent moderate to heavy rains across the western section of Northern Luzon, particularly the Ilocos (Region 1) and Cordillera Administrative Regions (CAR).

Significant Meteorological Observations

The lowest observed mean sea level pressure is 993.4 hPa, which was recorded in Taichung City, Taiwan at 2:00 AM on 24 August. The highest recorded accumulated rainfall during the passage of LUIS (*Figure 1*) was 348.6 mm, which was observed in Baguio City, Benguet. The second highest accumulated rainfall was recorded in Laoag City, Ilocos Norte (299.3 mm) and followed by Sinait, Ilocos Sur (263.6 mm).

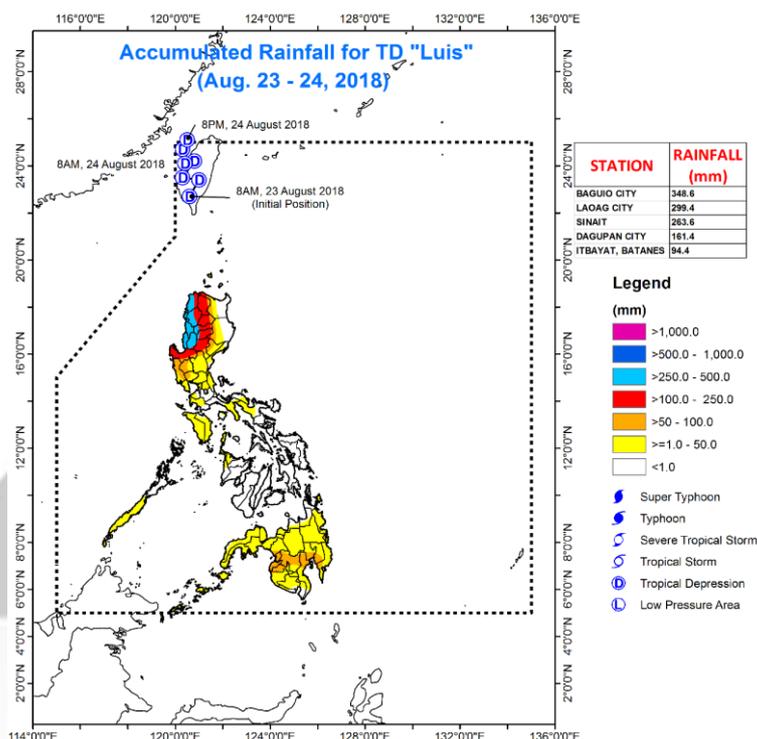


Figure 1. Total Accumulated Rainfall During the Passage of Tropical Depression LUIS.

Warning Information

A total of four (4) domestic information, in the form of Severe Weather Bulletin (SWB), and seven (7) International Warnings for Shipping (IWS) were issued during the passage of Tropical Depression LUIS.

Preliminary Damage Statistics

As of 25 August 2018, the National Disaster Risk Reduction Management Council (NDRRMC) reported the total cost of damages (agriculture and infrastructure), associated with monsoon rains enhanced by TD LUIS, reached around Php 996 million. These damages were incurred in Regions 1, 2 and the CAR.

Disclaimer

This report presents a summary of pertinent information obtained during the **operational warning** period. As such, the information presented herein are not final and are subject to change when additional data becomes available.