

## SEVERE WEATHER BULLETIN #4

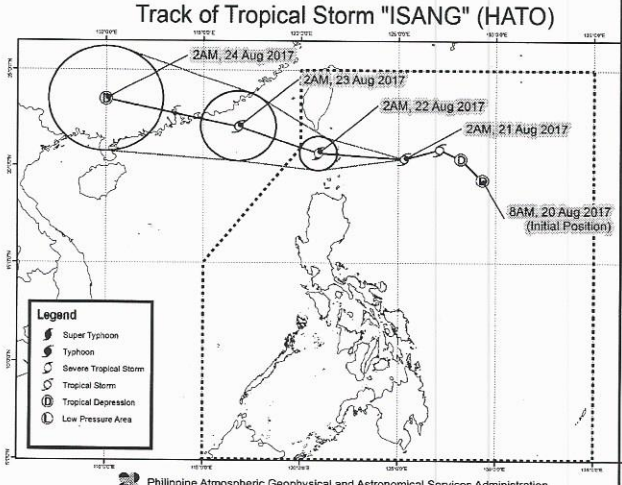
FOR: TROPICAL STORM "ISANG" (HATO)  
TROPICAL CYCLONE: WARNING

ISSUED AT 5:00 AM, 21 August 2017

(Valid for broadcast until the next bulletin to be issued at 8 AM today)

**"ISANG" HAS MAINTAINED ITS STRENGTH AS IT NOW MOVES IN A WEST NORTHWEST DIRECTION.**

- Estimated rainfall amount is from moderate to occasionally heavy rains within the 300 km diameter of the Tropical Storm.
- Closest to Batanes group of islands tonight or tomorrow (August 22) early morning.
- This weather system will enhance the Southwest Monsoon which may bring light to moderate with possible occasionally heavy rains over Metro Manila, Central Luzon, CALABARZON, MIMAROPA, Bicol, and Visayas.

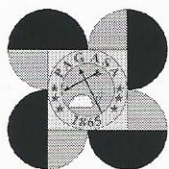
Location of eye/center	At 4:00 AM today, the center of Tropical Storm "ISANG" was estimated based on all available data at 330 km East of Basco, Batanes (20.4°N, 125.1°E).	
Strength	Maximum sustained winds of up to 65 kph near the center and gustiness of up to 80 kph.	
Forecast Movement	Forecast to move West Northwest at 17 kph.	
Forecast Positions	<ul style="list-style-type: none"><li>24 Hour( Tomorrow morning): 115 km West Northwest of Basco, Batanes (20.7°N, 120.9°E)</li><li>48 Hour(Wednesday morning):570 km West Northwest of Basco, Batanes (OUTSIDE PAR)(22.1°N, 116.8°E)</li><li>72 Hour (Thursday morning): 1,250 km West Northwest of Laoag City, Ilocos Norte (OUTSIDE PAR) (23.5°N, 110.0°E)</li></ul>	

### TROPICAL CYCLONE WARNING SIGNAL

TCWS	Luzon	Visayas	Mindanao	Impacts of the wind
<b>2</b> (61-120 kph Expected in 24 hours)	Batanes group of Islands			<ul style="list-style-type: none"><li>Light to Moderate damage to high risk structures;</li><li>Very light to light damage to medium-risk structures;</li><li>No damage to very light damage to low risk structures</li><li>Unshielded, old dilapidated schoolhouses, makeshift shanties, and other structures of light materials are partially damaged or unroofed.</li><li>A number of nipa and cogon houses may be partially or totally unroofed.</li><li>Some old galvanized iron (G.I.) roofs may be peeled or blown off.</li><li>Some wooden, old electric posts are tilted or downed.</li><li>Some damage to poorly constructed signs/billboards</li><li>In general, the winds may bring light to moderate damage to the exposed communities. Most banana plants, a few mango trees, ipil-ipil and similar types of trees are downed or broken.</li><li>Some coconut trees may be tilted with few others broken.</li><li>Rice and corn may be adversely affected.</li><li>Considerable damage to shrubbery and trees with some heavy-foliaged trees blown down.</li></ul>
Wave Height: (Open Sea) 4.1-14.0 meters      Storm surge possible at coastal areas				

Prepared by: RBB

Checked by: JSG



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FOR: TROPICAL STORM "ISANG" (HATO)  
TROPICAL CYCLONE: WARNING

TCWS	Luzon	Visayas	Mindanao	Impacts of the wind
<b>1</b> (30-60 kph Expected in 36 hours)	Babuyan group of Islands			<ul style="list-style-type: none"><li>• Very light or no damage to low risk structures,</li><li>• Light damage to medium to high risk structures</li><li>• Slight damage to some houses of very light materials or makeshift structures in exposed communities. Some banana plants are tilted, a few downed and leaves are generally damaged</li><li>• Twigs of small trees may be broken.</li><li>• Rice crops, however, may suffer significant damage when it is in its flowering stage.</li></ul>
Wave Height: (Open Sea) 1.25-4.0 meters				
The public and the disaster risk reduction and management council concerned are advised to take appropriate actions and watch for the next weather bulletin to be issued at 8 AM today.				

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