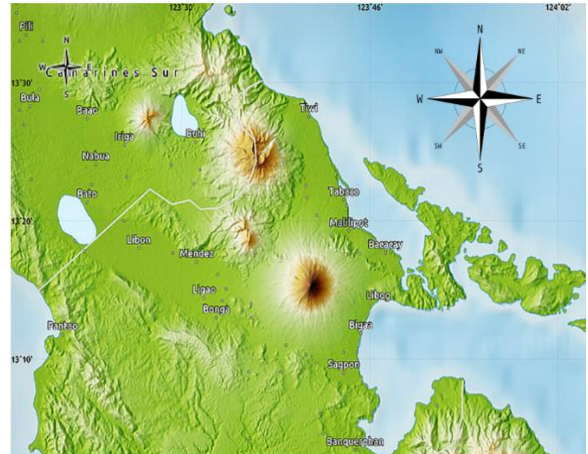




## SPECIAL WEATHER FORECAST FOR MAYON VOLCANO

**Issued at:** 9:00 AM today, 21 JULY 2024  
**Valid until the next issuance**

**Synopsis:** At 3:00 AM today, the center of Tropical Storm "CARINA" {GAEMI} was estimated based on all available data at 490 km East of Casiguran, Aurora 500 km Northeast of Legazpi City, Albay (16.6°N, 126.7°E) with maximum sustained winds of 75 km/h near the center and gustiness of up to 90 km/h. It is moving West Northwestward at 10 km/h.



**Forecast:** Partly cloudy to cloudy skies with isolated rainshowers or thunderstorms will prevail over Mt. Mayon volcano.

### UPPER AIR DATA AS OF: 09:00 AM, 21 JULY 2024

HEIGHT (km)	WIND DIRECTION (winds coming from)	WIND SPEED (kph)
1.0	West Southwest	46
1.5	West	52
2.0	West	51
2.1	West	44
2.2	West	42
2.3	West	42
2.4	West	46
2.5	West Northwest	46
3.0	West Northwest	35
6.0	West	37
10.0	North Northeast	10

Data from Legazpi Complex Station Upper air Sounding

### PAGASA WIND PROFILE FORECAST BASED FROM GLOBAL SPECTRAL MODEL (GSM)

HEIGHT/LEVEL (Above Sea Level)	2-Day Wind Profile Forecast MODEL BASETIME: JULY 21, 2024 (2:00 AM) (wind coming from)		
	22 JULY 2024	23 JULY 2024	24 JULY 2024
1.5 km	West @ 56.9 kph	West Southwest @ 64.4 kph	West Southwest @ 68.5 kph
3 km	West @ 50.0 kph	West Southwest @ 62.3 kph	West Southwest @ 63.8 kph
5.6 km	West @ 42.9 kph	West @ 49.2 kph	Southwest @ 45.0 kph
9 km	West Northwest @ 16.4 kph	North Northwest @ 14.9 kph	West Northwest @ 19.7 kph
12 km	North Northwest @ 23.3 kph	North Northeast @ 31.0 kph	North Northwest @ 20.3 kph

Data provided by Technique Application and Meteorological Satellite Section – Weather Division (TAMSS-WD)

**WEATHER FORECASTER: MDA**

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[bagong.pagasa.dost.gov.ph](http://bagong.pagasa.dost.gov.ph)



## SPECIAL WEATHER FORECAST FOR BULUSAN VOLCANO

**Issued at:** 9:00 AM today, 21 JULY 2024  
**Valid until the next issuance**

**Synopsis:** At 3:00 AM today, the center of Tropical Storm "CARINA" {GAEMI} was estimated based on all available data at 490 km East of Casiguran, Aurora 500 km Northeast of Legazpi City, Albay (16.6°N, 126.7°E) with maximum sustained winds of 75 km/h near the center and gustiness of up to 90 km/h. It is moving West Northwestward at 10 km/h.



**Forecast:** Partly cloudy to cloudy skies with isolated rainshowers or thunderstorms will prevail over Mt. Bulusan volcano.

### UPPER AIR DATA AS OF: 09:00 AM, 21 JULY 2024

HEIGHT (km)	WIND DIRECTION (winds coming from)	WIND SPEED (kph)
1.0	West Southwest	46
1.5	West	52
2.0	West	51
2.1	West	44
2.2	West	42
2.3	West	42
2.4	West	46
2.5	West Northwest	46
3.0	West Northwest	35
6.0	West	37
10.0	North Northeast	10

Data from Legazpi Complex Station Upper air Sounding

### PAGASA WIND PROFILE FORECAST BASED FROM GLOBAL SPECTRAL MODEL (GSM)

HEIGHT/LEVEL (Above Sea Level)	2-Day Wind Profile Forecast MODEL BASETIME: JULY 21, 2024 (2:00 AM) (wind coming from)		
	22 JULY 2024	23 JULY 2024	24 JULY 2024
1.5 km	West @ 61.5 kph	West Southwest @ 64.0 kph	West Southwest @ 70.8 kph
3 km	West @ 47.5 kph	West Southwest @ 62.0 kph	West Southwest @ 62.9 kph
5.6 km	West @ 47.6 kph	West @ 47.4 kph	Southwest @ 40.7 kph
9 km	West Northwest @ 11.3 kph	North @ 10.9 kph	North Northwest @ 11.2 kph
12 km	North Northwest @ 26.3 kph	North Northeast @ 20.4 kph	Northwest @ 32.9 kph

Data provided by Technique Application and Meteorological Satellite Section – Weather Division (TAMSS-WD)

**WEATHER FORECASTER: MDA**

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