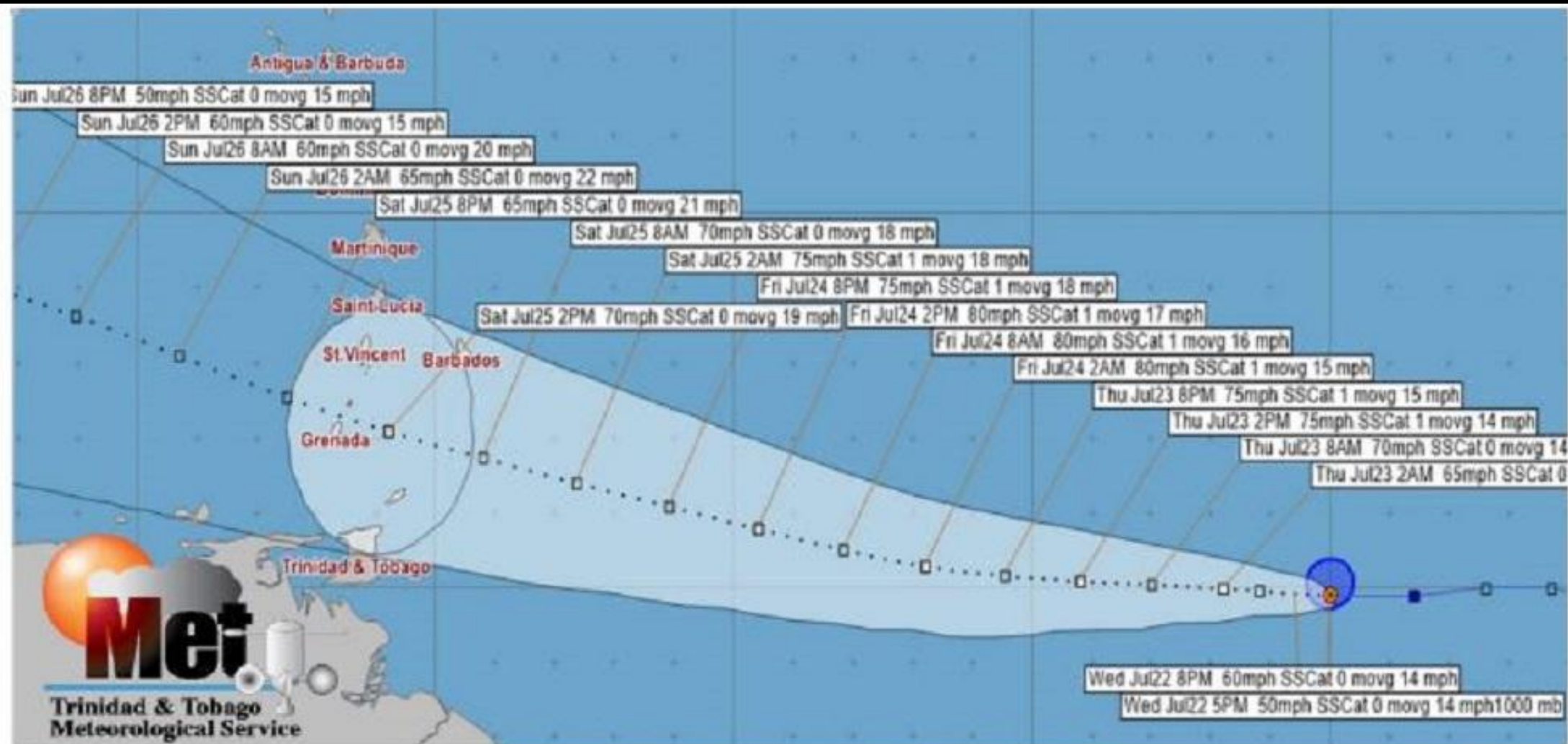


Tropical Storm Gonzalo - 2020

Shakeer Baig
Assistant Director
TTMS

- **Tropical Storm Gonzalo moved across Trinidad and Tobago on Saturday 25th July 2020 as a borderline Tropical Storm. While no tropical storm warning was in effect for Trinidad, Gonzalo triggered an Adverse Weather Alert (Orange Level) for Trinidad while a Tropical Storm Warning was in effect for Tobago and Grenada and its dependencies.**



Tropical Storm Gonzalo - Wednesday, July 22, 2020 5 PM SWST Advisory #5

Center Location: 9.9 N 45 W Maximum Sustained Winds: 50 mph Movement: 14 mph W

forecast positions Potential Track Area: day 1-3 day 4-5 Surface Wind Field: at current location

Sustained Wind Speeds: tropical storm ≥ 34 kt/39mph strong tropical storm ≥ 50 kt/58mph hurricane ≥ 64 kt/74mph

- **Model guidance on Tropical Storm Gonzalo was poor. Only until the 11th hour, models took Gonzalo's track across Trinidad. Prior to Saturday (July 25th) morning's 06Z guidance, all indications pointed to a west-northwest track. This meant that the worst of Gonzalo was forecast to remain north of T&T.**

2020-07-22 9AM

Tropical Storm Gonzalo

Barbados

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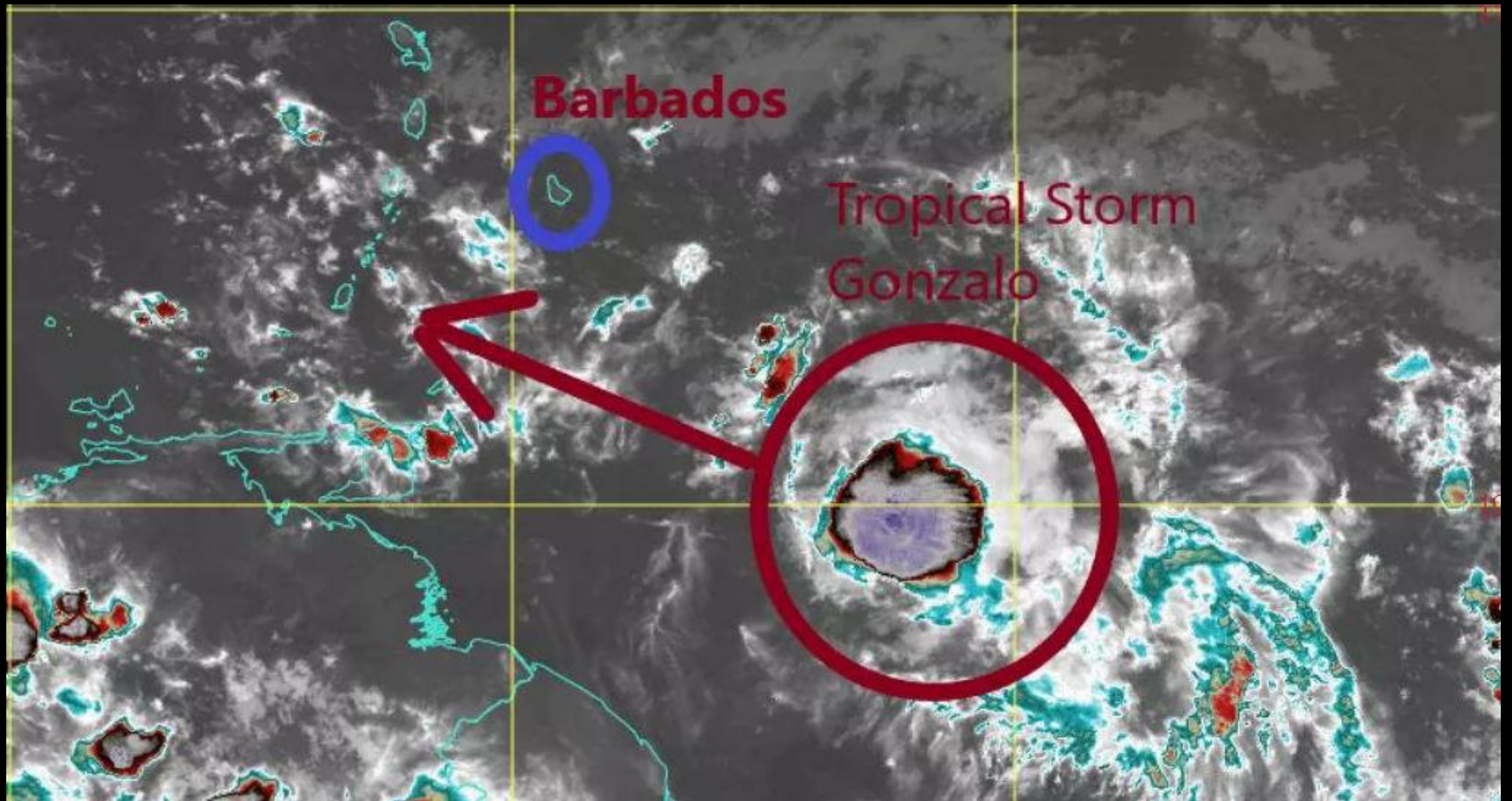




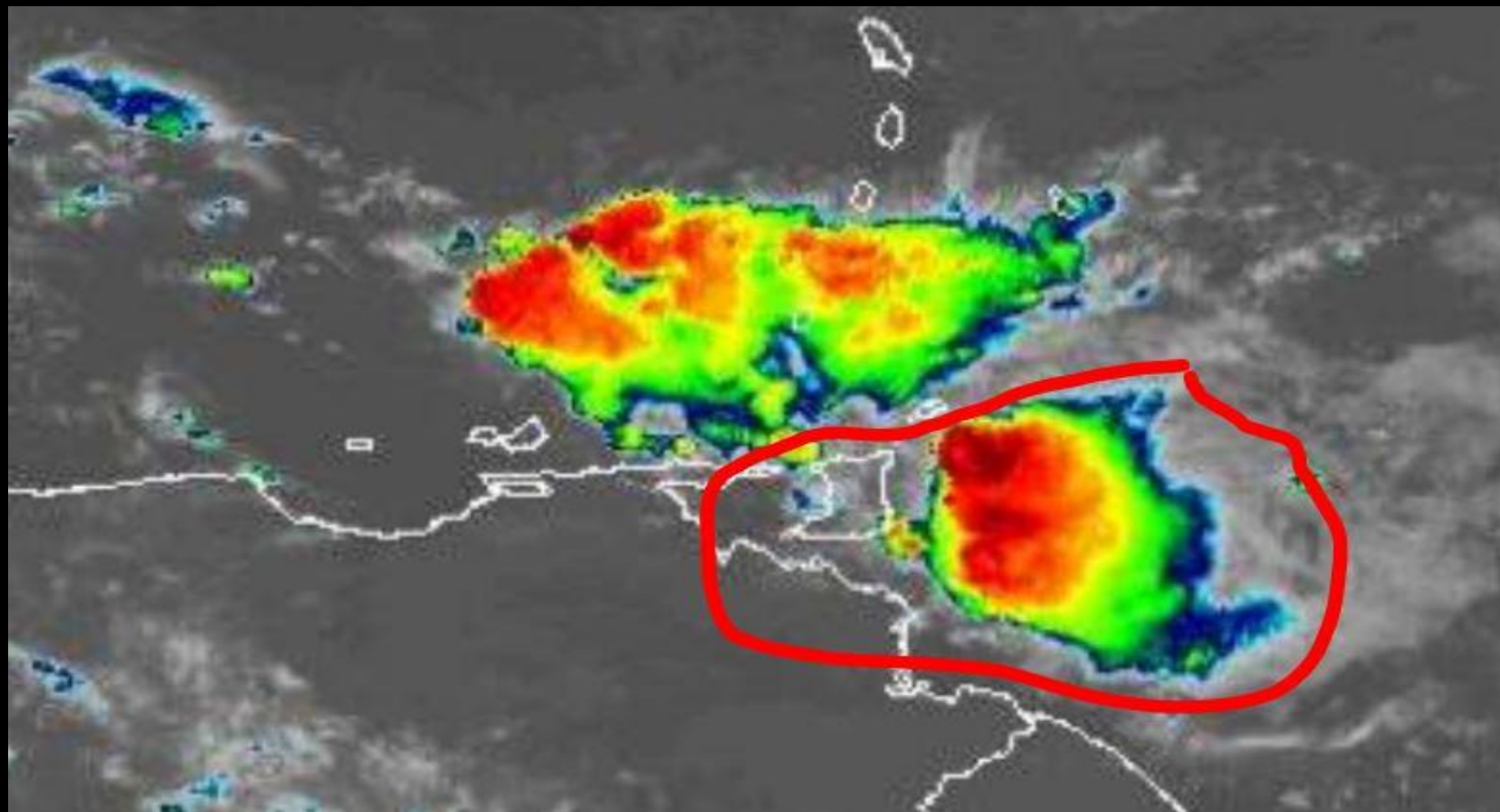
- **Based on the National Hurricane Center's 5 AM, 8 AM, and 11 AM advisories, Tropical Storm Gonzalo had estimated sustained winds of 65 KM/H and gusts to 85 KM/H.**
- **Although the eventual track took the center of Gonzalo across the northern half of Trinidad, much of the strongest winds were forecast to affect Tobago and remain offshore Trinidad. Because there was not a significant threat of tropical-storm-force winds for Trinidad, a tropical storm warning was not issued for the island but maintained for Tobago.**

Barbados

**Tropical Storm
Gonzalo**



- **The NHC's discussion at 5:00 AM did state that, "The surface circulation, however, was still poorly defined, and barely closed. Based on the reconnaissance observations, the initial intensity is held at 35 knots (Editor's Note: 65 KM/H) for this advisory."**
- **The discussion at 11:00 AM even alluded to the fact that Gonzalo appeared more like a tropical wave than a tropical cyclone, "Gonzalo is looking very ragged, with a cloud field that more resembles a tropical squall than a tropical storm."**



- **Gonzalo was declared a remnant low-pressure system at 5:00 PM, as scatterometer data showed a well-defined tropical wave with winds near 30 knots (55 KM/H) and higher gusts.**
- **Across Trinidad and Tobago, winds generally remained below 30 KM/H with gusts to 45 KM/H. Across Grenada, sustained winds peaked at 43 KM/H and gusts between 65-75 KM/H. Localized wind damage was reported across both islands.**





TROPICAL STORM GONZALO RAINFALL ACCUMULATIONS

Valid: 12AM Saturday 25th July 2020 to 12AM Sunday 26th July 2020

NORTH TRINIDAD

UPPER DIEGO MARTIN 10.67 MM

LOWER DIEGO MARTIN EAST 8.71 MM

LOWER DIEGO MARTIN WEST 1.02 MM

MT. ST. BENEDICT 8.64 MM

WOODBROOK 9.91 MM

PIARCO (TTMS) 4.20 MM

EL REPOSO 8.30 MM

CARONI 5.00 MM

CENTRAL TRINIDAD

CUNUPIA 6.87 MM

LONGDENVILLE EAST 9.14 MM

LONGDENVILLE WEST 11.43 MM

CHAGUANAS 11.61 MM

FREEPORT 5.84 MM

POINT LISAS 6.35 MM

COUVA 11.68 MM

BRASSO - MM

BONNE AVENTURE 14.22 MM

SOUTH TRINIDAD

SAN FERNANDO 15.49 MM

PENAL 1.90 MM

CHATHAM 20.5 MM

TOBAGO

CROWN POINT 26.34 MM

SCARBOROUGH 44.50 MM

TROPICAL STORM GONZALO PEAK WINDS

Valid: 12AM Saturday 25th July 2020 to 12AM Sunday 26th July 2020

NORTH TRINIDAD

UPPER DIEGO MARTIN 29.0 KM/H

LOWER DIEGO MARTIN EAST 33.2 KM/H

LOWER DIEGO MARTIN WEST 17.5 KM/H

MT. ST. BENEDICT 30.6 KM/H

WOODBROOK 13.5 KM/H

PIARCO (TTMS) 20 KM/H

ARIMA 38.7 KM/H

CENTRAL TRINIDAD

CUNUPIA 18.0 KM/H

LONGDENVILLE EAST 25.7 KM/H

LONGDENVILLE WEST 12.2 KM/H

CHAGUANAS 25.6 KM/H

FREEPORT 12.9 KM/H

POINT LISAS - KM/H

COUVA 29.5 KM/H

BONNE AVENTURE 17.5 KM/H

SOUTH TRINIDAD

SAN FERNANDO 32.2 KM/H

PENAL - KM/H

TOBAGO

CROWN POINT (TTMS) 31.0 KM/H

SCARBOROUGH 41.7 KM/H

TROPICAL STORM FORCE WINDS

Thank You

METEOROLOGICAL SERVICES DIVISION

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