

DEMISE OF DANIELLE

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During the last week in August, 1980, the fourth tropical storm of the season looked ready to form northeast of the Lesser Antilles as viewed by the GOES EAST satellite (Fig. 1).

Suddenly, potential storm Danielle died!

The GOES EAST photo in Fig. 2 clearly shows the demise of Danielle.

Sahara desert sand and dust drifted across the eastern Atlantic and were fed into the disturbance reducing her moisture source.

Harmattan winds (2) generated this blowing sand from the southwest

Sahara.

Whether this condition will persist and cause a lessening of activity for the remainder of the 1980 Atlantic hurricane season will have to be watched from space weather satellites.

REFERENCES AND FOOTNOTES

- (1) Chairman of the NWA Meteorological Satellite Committee.
- (2) Brandli, H. W. and J. W. Orndorff, 1977. Sahara Sand/Dust Cover Equatorial Atlantic. National Weather Digest, vol. 4, pp. 19-20.

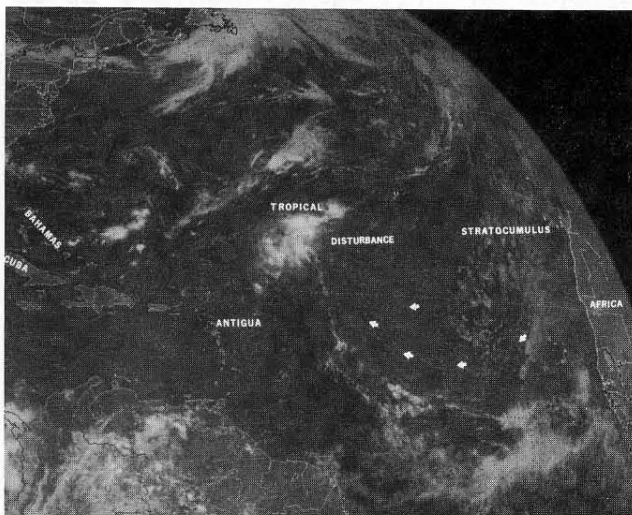


Figure 1. GOES EAST visual view showing possible tropical disturbance northeast of Antigua in the Lesser Antilles on 28 August 1980.

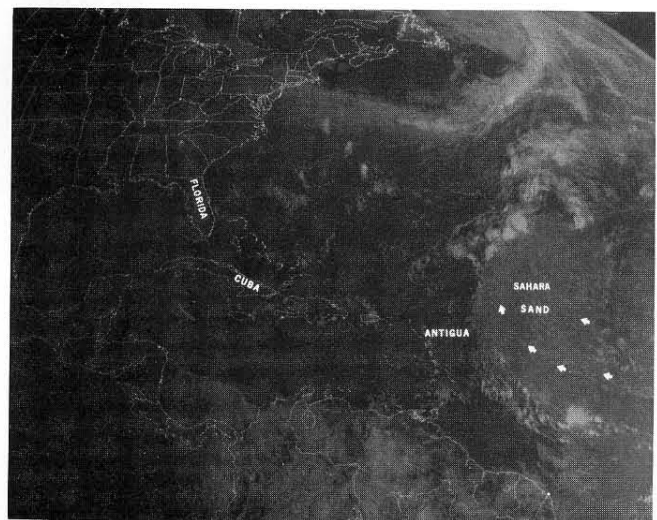


Figure 2. Dissipated tropical disturbance northeast of Antigua due to influx of Sahara desert sand on 29 August 1980.