

HURRICANES PHOTOGRAPHED BY TIROS III WEATHER SATELLITE

Tiros III, the weather satellite launched by the United States July 12, has been aiding scientists in identifying and tracking hurricanes and typhoons during the current storm season. Hurricane Debbie (LEFT), the fourth tropical storm in the U.S. area, was photographed as it was centered some 2500 miles (4000 kilometers) east of Miami, Florida. Hurricane Carla (RIGHT), which caused great destruction in Texas and Louisiana, was centered some 160 miles off the Texas coast in the Gulf of Mexico when this picture was made. Both photographs, taken during the 867th and 869th orbits September 10, were stored on magnetic tape and were "read out" on command as the satellite passed near the government weather center at Point Mugu, California. Tiros III has also photographed hurricanes Anna, Betsy and Esther in the Atlantic Ocean, and Typhoons Nancy, Orla and Pamela, among others, in the Pacific Ocean. Both Tiros I and II, launched in 1960 and still transmitting, have sent back many useful pictures of the earth's cloud cover for weather analysis. (61-12030)



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