

GOES-13 sees new Tropical Storm Bonnie raining on south Florida

July 23 2010



This visible image from the GOES-13 satellite on July 23 at 1140 UTC (7:40 a.m. EDT) shows Tropical Storm Bonnie's cloud-covered center south of Miami, Fla. Credit: NASA/GOES Project

Tropical Depression 3 strengthened into tropical storm Bonnie at 6:15pm EDT on July 22, when it was centered about 200 miles southeast of Nassau, Bahamas. At 5 a.m. EDT today, July 23, Bonnie was 155 miles southeast of Miami and the GOES-13 satellite has been providing forecasters a visible image of Bonnie continually.

The visible image on July 23 at 1140 UTC (7:40 a.m.) EDT) from the [Geostationary Operational Environmental Satellite](#) called GOES-13 satellite showed [Tropical Storm](#) Bonnie's cloud-covered center south of Miami, Fla. GOES satellites are operated by NOAA. The NASA GOES Project, located in Greenbelt, Md. creates imagery and animations of

GOES imagery.

Tropical storm watch is in effect for the east coast of Florida north of Deerfield Beach to Jupiter Inlet including Lake Okeechobee, and the Northern Gulf Coast from Destin, Florida to Morgan City, Louisiana. Tropical storm warnings are in effect for the Northwestern Bahamas, the Florida east coast from Deerfield Beach southward, including all of the Florida Keys, Florida Bay and along the Florida west coast northward to Englewood.

At 5 a.m. EDT, Bonnie's center was located near latitude 24.1 north and longitude 78.6 west, which is about 155 miles southeast of Miami, Fla. and about 165 miles east-southeast of Marathon, Florida. [Maximum sustained winds](#) were near 40 mph. Bonnie is moving toward the west-northwest near 18 mph and the National Hurricane Center expects it to continue moving in this direction over the next day or two. Bonnie is expected to pass near the Florida Keys and southern Florida then move over the eastern Gulf of Mexico tonight. Tropical storm watches issued for southern Mississippi and southeast Louisiana as Bonnie is forecast to move that way this weekend.

Miami is under a tropical storm warning today. This morning at 8:05 a.m. EDT, a large area of moderate to heavy rainfall was moving over Miami north to West Palm Beach. A flood watch is in effect through the afternoon of July 23 for all of South Florida. For live radar from the National Weather Service, visit: radar.weather.gov/radar.php?ri...ay=11101111&loop=yes .

The National Hurricane Center noted that tropical storm conditions will continue of parts of the northwestern Bahamas this morning and then spread over southern Florida, including the Keys. Bonnie is expected to produce total rain accumulations of 1 to 3 inches over south Florida with possible isolated maximum amounts of 5 inches. Additional rainfall

amounts of 1 to 2 inches are possible over the northwestern Bahamas. Isolated tornadoes are possible over extreme southern Florida later today. For the latest updates on Bonnie, visit: www.nhc.noaa.gov.

GOES-13 will continue to provide coverage in visible images during the daytime and infrared images over night-time hours and will watch Bonnie as she moves into the Gulf of Mexico this weekend.

Provided by NASA's Goddard Space Flight Center

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