

PRELIMINARY REPORT ON TROPICAL STORM "ABBY"
August 7-8, 1964

Tropical Storm "ABBY" developed rapidly about 30 miles southeast of Freeport, Texas, a little before noon on August 7, 1964. Formation occurred in a weak trough just off the Texas Coast. This weak trough moved out of Northern Florida into the Northeast Gulf of Mexico on the 5th. It then moved slowly westward across the Northern Gulf, with no signs of development or intensification until it approached the Central Texas Coast.

The storm developed under the surveillance of coastal radars at Galveston, Victoria, Lake Charles, and Brownsville. A reconnaissance plane was in the area also, and reported a center fix at 1115 CST. "ABBY" was an extremely small storm; its complete circulation at the surface was considerably less than 100 miles in diameter. "ABBY" moved westward, averaging about 10 m.p.h., and crossed the Texas Coast just northeast of Matagorda about 4 pm CST. Over land, "ABBY" gradually dissipated as it moved westward and lost its identity during the morning of the 8th southwest of San Antonio.

Reconnaissance aircraft estimated the highest winds about 85 m.p.h. in squalls, and reported a central pressure of 1,000 mbs., or 29.53 inches. The highest wind reported along the coast was 45 m.p.h. (gusts to 65 m.p.h.), and the lowest pressure 29.66 inches. These were observed by the Corps of Engineers at Matagorda. Highest tides were 2 to 4 feet m.s.l. from Matagorda to Freeport.

Heavy rains occurred in a narrow belt along the storm track. Some of the heavy amounts reported were: Victoria 6.02; Palacios 3.81; Pettus 5.00; Falls City 5.50, and Pearsall 5.00 inches. The rainfall was very beneficial and only minor flooding occurred.

The sparsely populated coastal area between Matagorda and Freeport felt the main effects of "ABBY". The damages were slight, and no deaths or injuries were reported.

OFFICIAL

BEST TRACK POSITIONS--ABBY- AUGUST 7-8, 1964

DTG.	LATITUDE	LONGITUDE	MIN SLB	
071200Z	28.5	94.4		<u>TD</u>
071600Z	28.6	94.9	1000 MB	TS
071800Z	28.6	95.2		
072200Z	28.8	95.8		
080000Z	28.8	96.1		
080400Z	28.9	96.8		
080600Z	28.9	97.3		<u>DSPTG</u>
081000Z	28.9	97.8		
081200Z	28.8	98.0		