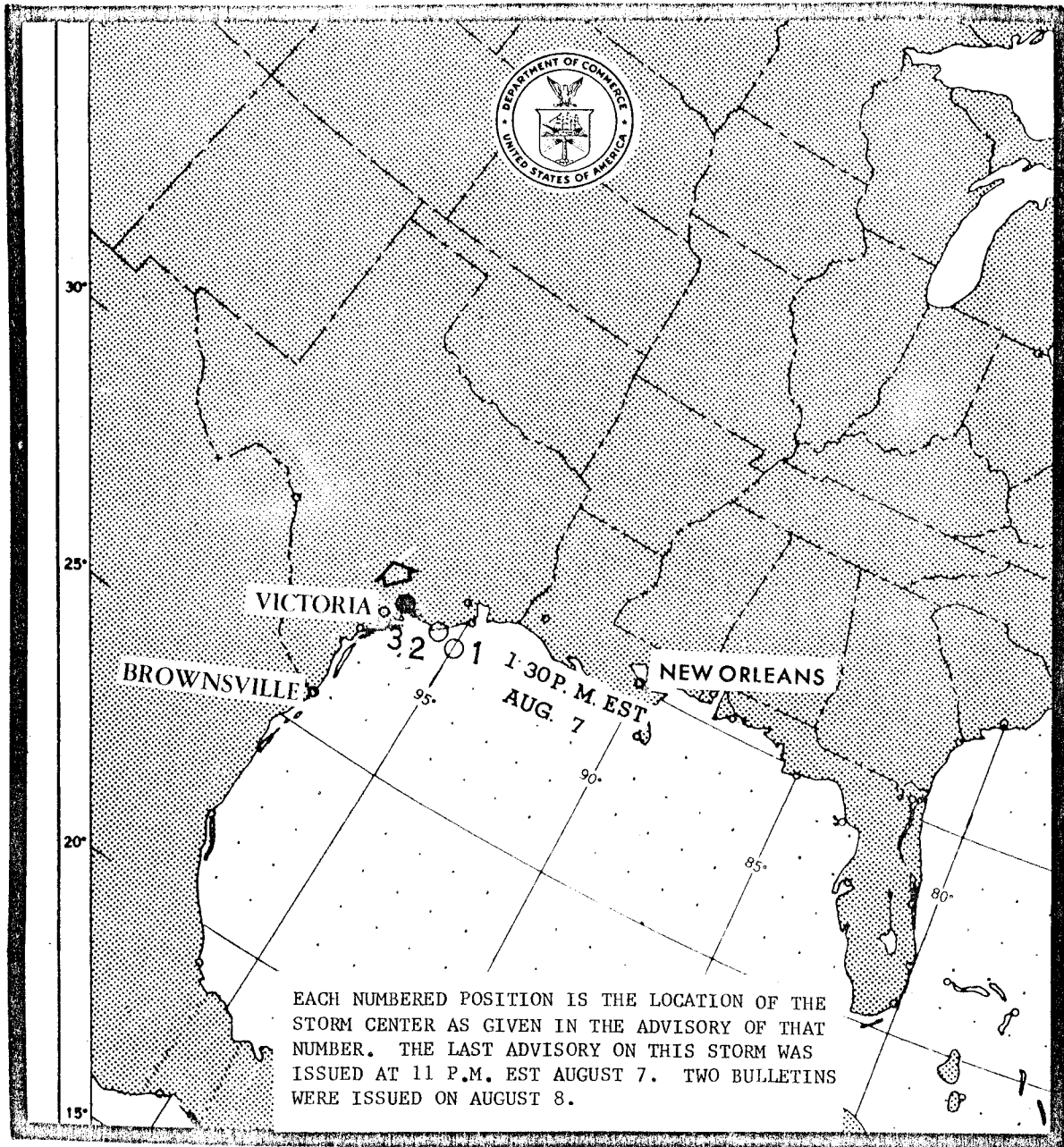


U. S. DEPARTMENT OF COMMERCE  
WEATHER BUREAU

# TROPICAL STORM Abby

## AUGUST 7-8, 1964

*Preliminary Report with Advisories and Bulletins Issued*



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 of the storm occurred in a weak trough just off the Texas Coast. This weak trough had moved out of northern Florida into the northeast Gulf of Mexico on the 5th, 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. An Air Force reconnaissance plane was investigating the area at the time and reported the development of an "eye" at 1115 CST. For size "ABBY" was an extremely small storm; its complete circulation at the surface was about 100 miles in diameter at the largest.

"ABBY" moved westward, averaging about 10 mph, and crossed the Texas coast just northeast of Matagorda about 4 pm CST. Over land, "ABBY" gradually dissipated and lost its identity during the morning of the 8th in the area southwest of San Antonio.

Reconnaissance aircraft estimated the highest winds about 85 mph in squalls, and reported a central pressure of 1,000 mbs., or 29.53 inches. The highest wind reported along the coast was 45 mph (gusts to 65 mph), 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 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.

ADVISORIES AND BULLETINS

NEW ORLEANS WEATHER BUREAU ADVISORY NUMBER 1 TROPICAL STORM ABBY 1230 PM CST AUGUST 7 1964

HOIST WHOLE GALE WARNINGS FROM GALVESTON TO SAN ANTONIO BAY.

RECON REPORTS AND RADAR OBSERVATIONS INDICATE A SMALL TROPICAL STORM HAS FORMED JUST OFF THE TEXAS COAST WITH WINDS ABOUT 60 MPH IN SQUALLS NEAR THE CENTER.

RECON AIRCRAFT REPORTED THE CENTER LOCATED NEAR 28.6 NORTH LATITUDE AND 95.0 WEST LONGITUDE OR ABOUT 50 MILES EAST OF MATAGORDA TEXAS AT 1145 AM CST.

TROPICAL STORM ABBY IS DRIFTING WESTWARD ABOUT 10 MPH AND SHOULD MOVE INLAND NEAR MATAGORDA LATE THIS AFTERNOON.

ALL INTERESTS SHOULD TAKE PRECAUTIONS IN AREA OF DISPLAY.

ALLEN

NEW ORLEANS WEATHER BUREAU BULLETIN TROPICAL STORM ABBY 130 PM CST AUGUST 7 1964

WHOLE GALE WARNINGS ARE DISPLAYED FROM GALVESTON TO SAN ANTONIO BAY ON THE CENTRAL TEXAS COAST.

AT 1 PM CST...1900Z...RADAR AND RECONNAISSANCE AIRCRAFT INDICATE THAT SMALL TROPICAL STORM ABBY WAS CENTERED NEAR LATITUDE 28.7 LONGITUDE 95.3 OR ABOUT 40 MILES EAST OF MATAGORDA TEXAS. ABBY IS MOVING WESTWARD ABOUT 10 MPH AND WILL MOVE INLAND NEAR MATAGORDA LATE THIS AFTERNOON.

HIGHEST WINDS ARE ESTIMATED ABOUT 60 MPH IN SQUALLS NEAR THE CENTER. ABBY IS A VERY SMALL STORM AND WILL AFFECT ONLY A SMALL AREA OF THE COAST.

TIDES ARE EXPECTED TO REACH 2 TO 4 FEET FROM MATAGORDA TO FREEPORT AS THE STORM MOVES INLAND.

ALL INTERESTS SHOULD TAKE PRECAUTIONS IN THE AREA OF DISPLAY.

ANOTHER BULLETIN WILL BE ISSUED AT 0230 PM AND AN ADVISORY AT 4 PM.

CONNER

NEW ORLEANS WEATHER BUREAU BULLETIN TROPICAL STORM ABBY 230 PM CST AUGUST 7 1964

WHOLE GALE WARNINGS REMAIN DISPLAYED ON THE CENTRAL TEXAS COAST FROM GALVESTON TO SAN ANTONIO BAY.

AT 230 PM CST WEATHER BUREAU RADARS LOCATE THE CENTER OF SMALL TROPICAL STORM ABBY NEAR LATITUDE 28.7 LONGITUDE 95.5 OR ABOUT 25 MILES EAST OF MATAGORDA TEXAS. ABBY IS MOVING WESTWARD ABOUT 10 MPH AND WILL MOVE INLAND NEAR MATAGORDA THIS AFTERNOON.

HIGHEST WINDS ARE ESTIMATED ABOUT 60 MPH IN SQUALLS NEAR THE CENTER. ABBY IS A VERY SMALL STORM AND WILL AFFECT ONLY A SMALL AREA OF THE COAST.

TIDES ARE EXPECTED TO REACH 2 TO LOCALLY 4 FEET FROM MATAGORDA TO FREEPORT WITHIN THE NEXT 2 HOURS.

ABBY IS EXPECTED TO DISSIPATE RAPIDLY AFTER MOVING INLAND HOWEVER LOCALLY HEAVY RAINFALL IS EXPECTED IN THE CENTRAL TEXAS COASTAL AREAS THROUGH TONIGHT.

THE NEXT ADVISORY WILL BE ISSUED AT 4 PM AND ADDITIONAL BULLETINS AS NEEDED.

CONNER

NEW ORLEANS WEATHER BUREAU TROPICAL STORM ABBY ADVISORY NUMBER 2 4 PM CST AUGUST 7 1964

WHOLE GALE WARNINGS REMAIN DISPLAYED ON THE CENTRAL TEXAS COAST FROM GALVESTON TO SAN ANTONIO BAY.

AT 4 PM CST...2200Z...SMALL TROPICAL STORM ABBY IS MOVING INLAND JUST NORTHEAST OF MATAGORDA NEAR LATITUDE 28.8 LONGITUDE 95.8.

ABBY WILL CONTINUE WESTWARD AND DISSIPATE RAPIDLY OVER THE CENTRAL TEXAS COASTAL PLAINS THIS AFTERNOON AND TONIGHT. WINDS AND TIDES WILL SUBSIDE TONIGHT HOWEVER LOCALLY HEAVY RAINFALL IS EXPECTED IN THE CENTRAL TEXAS COASTAL PLAINS TONIGHT. WARNINGS WILL BE LOWERED ON THE COAST EARLY THIS EVENING.

HIGHEST WINDS ARE STILL ESTIMATED ABOUT 60 MPH IN SQUALLS NEAR THE CENTER. ABBY IS A VERY SMALL STORM AND ONLY A SMALL AREA ALONG THE COAST IS FEELING THE EFFECTS OF THE STORM.

TIDES ARE RUNNING 2 TO 4 FEET FROM MATAGORDA TO FREEPORT.

THE NEXT ADVISORY WILL BE ISSUED AT 7 PM CST AND ADDITIONAL BULLETINS AS NEEDED.

CONNER

NEW ORLEANS WEATHER BUREAU TROPICAL STORM ABBY BULLETIN 530 PM CST AUGUST 7 1964

WHOLE GALE WARNINGS ARE DISPLAYED FROM GALVESTON TO SAN ANTONIO BAY.

SMALL TROPICAL STORM ABBY MOVED INLAND ON THE CENTRAL TEXAS COAST NEAR MATAGORDA THIS AFTERNOON AND IS DISSIPATING RAPIDLY OVER LAND. AT 530 PM CST THE CENTER WAS LOCATED ABOUT 40 MILES EAST OF VICTORIA TEXAS.

ABBY WILL CONTINUE WESTWARD AND DISSIPATE OVER THE TEXAS COASTAL PLAINS TONIGHT. WINDS AND TIDES WILL SUBSIDE ALONG THE COAST AND WARNINGS WILL BE LOWERED EARLY THIS EVENING. GUSTY WINDS UP TO 60 MPH ARE LIKELY IN A FEW HEAVY SQUALLS NEAR THE CENTER AND ALONG THE CENTRAL TEXAS COAST FOR THE NEXT FEW HOURS. LOCALLY HEAVY RAINFALL IS EXPECTED IN THE CENTRAL TEXAS COASTAL PLAINS TONIGHT.

THE NEXT ADVISORY WILL BE ISSUED AT 7 PM CST.

CONNER

NEW ORLEANS WEATHER BUREAU BULLETIN TROPICAL STORM ABBY 7 PM CST AUGUST 7 1964

WHOLE GALE WARNINGS ARE DISPLAYED FROM GALVESTON TO SAN ANTONIO BAY.

SMALL TROPICAL STORM ABBY MOVED INLAND ON THE CENTRAL TEXAS COAST NEAR MATAGORDA THIS AFTERNOON. MATAGORDA REPORTED 45 MPH WINDS WITH GUSTS TO 65 MPH. AT 7 PM CST THE CENTER WAS LOCATED ABOUT 35 MILES EAST OF VICTORIA TEXAS.

ABBY WILL CONTINUE WESTWARD AND WEAKEN DURING THE NIGHT. WINDS AND TIDES ON THE CENTRAL TEXAS COAST WILL GRADUALLY DIMINISH DURING THE NIGHT. LOCALLY HEAVY RAINS ARE LIKELY IN THE TEXAS COASTAL PLAINS TONIGHT AND SOME MINOR FLOODING MAY OCCUR.

THE NEXT ADVISORY WILL BE ISSUED AT 10 PM CST FROM THE NEW ORLEANS WEATHER BUREAU.

CONNER

NEW ORLEANS WEATHER BUREAU TROPICAL STORM ABBY ADVISORY NUMBER 3 10 PM CST AUGUST 7 1964

LOWER ALL WARNINGS ON THE COAST.

TROPICAL STORM ABBY CONTINUES TO WEAKEN IN THE TEXAS CENTRAL COASTAL PLAINS THIS EVENING. AT 10 PM CST... 0400Z... ABBY WAS CENTERED NEAR VICTORIA TEXAS AND MOVING WESTWARD ABOUT 10 MPH.

GUSTY WINDS UP TO 50 MPH ARE LIKELY IN A FEW HEAVY SQUALLS NEAR THE CENTER DURING THE NEXT FEW HOURS.

ABBY WILL CONTINUE WESTWARD AND WEAKEN DURING THE NIGHT. WINDS SEAS AND TIDES ARE DIMINISHING ON THE CENTRAL TEXAS COAST. LOCALLY HEAVY RAINFALL IS LIKELY NEAR THE DECAYING STORM AS IT MOVES WESTWARD THROUGH SOUTH TEXAS TONIGHT AND SATURDAY. ANY NECESSARY FLOOD WARNINGS WILL BE ISSUED BY THE LOCAL WEATHER BUREAU OFFICES.

THIS IS THE LAST ADVISORY ON ABBY BUT BULLETINS WILL BE ISSUED EVERY 6 HOURS BY THE NEW ORLEANS WEATHER BUREAU UNTIL THE FLOOD THREAT ENDS.

CONNER.

NEW ORLEANS WEATHER BUREAU BULLETIN TROPICAL STORM ABBY 4 AM CST AUGUST 8 1964

DECAYING TROPICAL STORM ABBY IS MOVING SLOWLY WESTWARD AND CONTINUES TO WEAKEN. AT 4 AM CST THE POORLY DEFINED CENTER IS ABOUT 50 MILES SOUTHEAST OF SAN ANTONIO TEXAS.

LOCALLY HEAVY RAINS IN A FEW OF THE THUNDERSHOWERS WILL CONTINUE IN A VERY SMALL AREA NEAR THE CENTER WITH ACCUMULATIONS OF 2 TO 4 INCHES. AS OF MIDNIGHT PALACIOS TEXAS REPORTED 3.81 INCHES OF RAIN HAD FALLEN IN PAST 12 HOURS. LOCAL WEATHER BUREAU OFFICES WILL ISSUE ANY NECESSARY FLOOD WARNINGS.

THE NEXT BULLETIN WILL BE ISSUED BY THE NEW ORLEANS WEATHER BUREAU ABOUT 10 AM CST.

CARTER

NEW ORLEANS WEATHER BUREAU BULLETIN TROPICAL STORM ABBY 10 AM CST AUGUST 8 1964

AT 10 AM CST THE VERY POORLY DEFINED CENTER OF TROPICAL STORM ABBY WAS BETWEEN SAN ANTONIO AND COTULA TEXAS. ABBY CONTINUES TO DRIFT WESTWARD AND WEAKEN AND WILL GRADUALLY LOSE IDENTITY TODAY.

AS THE REMNANTS OF ABBY DRIFT WESTWARD SOME LOCALLY HEAVY RAINS SHOULD SPREAD INTO THE DEL RIO EAGLE PASS AREA AND INTO THE COUNTRY EAST OF THE PECOS RIVER. LOCAL WEATHER BUREAU OFFICES WILL ISSUE ANY NECESSARY FLOOD WARNINGS.

THIS IS THE LAST BULLETIN ON ABBY THAT WILL BE ISSUED BY THE NEW ORLEANS WEATHER BUREAU OFFICE BUT WATCH FOR POSSIBLE FLOOD WARNING BULLETINS THAT MAY BE ISSUED BY LOCAL WEATHER BUREAU OFFICES.

ALLEN

LOCAL STATEMENTS

LOCAL STATEMENT WEATHER BUREAU OFFICE GALVESTON TEXAS 12.10 PM CST AUGUST 7 1964

A DISTURBANCE HAS DEVELOPED VERY QUICKLY OVER THE NORTHWEST GULF. SMALL CRAFT WARNINGS HAVE BEEN HOISTED FROM SAN LUIS PASS TO PORT OCONNOR FOR VARIABLE SQUALLY WINDS OF 25 KNOTS INCREASING RAPIDLY ALONG THE COAST THIS AFTERNOON.

THE CURRENT CENTER OF THIS DISTURBANCE IS 28.6N AND 95.3W OR ABOUT 23 MILES SOUTH SOUTHEAST OF FREEPORT. THE DISTURBANCE IS MOVING WESTWARD.

ALL INTERESTS SHOULD REMAIN ALERT FOR ADDITIONAL STATEMENTS CONCERNING THIS DISTURBANCE.

VOLBRECHT

LOCAL STATEMENT WEATHER BUREAU OFFICE GALVESTON TEXAS 1.15 PM CST AUGUST 7 1964

SEE THE LATEST NEW ORLEANS ADVISORY ON TROPICAL STORM ABBY.

THE RAPIDLY DEVELOPING DISTURBANCE OVER THE NORTHWEST GULF OF MEXICO HAS BECOME TROPICAL STORM ABBY AND ALL INTERESTS SHOULD REMAIN ALERT FOR ADDITIONAL ADVISORIES AND LOCAL STATEMENTS. TROPICAL STORM ABBY IS NOW LOCATED ABOUT 28.6N AND 95.3W OR ABOUT 23 MILES SOUTH SOUTHEAST OF FREEPORT OR 50 MILES EAST OF MATAGORDA. IT IS MOVING WESTWARD ABOUT 10 MPH AND IS EXPECTED TO MOVE ONSHORE NEAR MATAGORDA LATE THIS AFTERNOON.

WHOLE GALE WARNINGS HAVE BEEN ISSUED FOR THE AREA FROM GALVESTON TO SAN ANTONIO BAY JUST BEYOND PORT OCONNOR. WHOLE GALE WINDS INCLUDE THE RANGE FROM 55 TO 73 MILES PER HOUR.

TEXAS COAST TIDES.....

SINCE ABBY HAS DEVELOPED SO CLOSE IN TO SHORE TIDES ALONG THE CENTRAL AND UPPER TEXAS COAST ARE NOT EXPECTED TO BE EXTREME. AS ABBY MOVES INLAND THIS AFTERNOON HIGHEST TIDES ARE EXPECTED TO BE 3 TO 4 FEET ABOVE MEAN SEA LEVEL IN THE MATAGORDA-FREEPORT AREA. TIDES IN THE GALVESTON AREA AND THE REMAINDER OF THE UPPER TEXAS COAST ARE NOT EXPECTED TO EXCEED 2 TO 3 FEET ABOVE NORMAL.

GALVESTON RADAR.....

THE EYE OF TROPICAL STORM ABBY IS UNDER SURVEILLANCE BY THE GALVESTON WEATHER BUREAU RADAR WHICH INDICATES A VERY SLOW MOVEMENT TOWARD THE WEST. NUMEROUS SPIRAL BANDS ARE INDICATED TO THE NORTH AND WEST OF THE CENTER APPROACHING THE UPPER TEXAS COAST.

VOLBRECHT

LOCAL STATEMENT CORPUS CHRISTI WEATHER STATEMENT 2 PM AUGUST 7 1964

TROPICAL STORM ABBY CONTINUES TO MOVE WESTWARD AND AT 2 PM WAS LOCATED ABOUT 95 MILES NORTHEAST OF CORPUS CHRISTI. ABBY CONTINUES TO MOVE WEST ABOUT 10 MILES AN HOUR.

ALL PERSONS ARE URGED TO LEAVE THE GULF SIDE BEACHES ON THE ISLANDS OF MUSTANG AND UPPER PADRE ISLAND IMMEDIATELY. ALL PERSONS ON ST JOSEPH ISLAND SHOULD RETURN TO MAINLAND IMMEDIATELY.

HIGHEST WINDS NOW EXPECTED FROM PORT ARANSAS TO SAN ANTONIO BAY 40 TO 50 MILES AN HOUR WITH HIGHEST WINDS TO 60 TO 65 MILES AN HOUR APPROACHING AND IN SAN ANTONIO BAY.

SMALL CRAFT WARNINGS ARE DISPLAYED SOUTH OF SAN ANTONIO BAY BROWNSVILLE.

NEXT STATEMENT WILL BE AT 3 PM.

MOZENY

LOCAL STATEMENT CORPUS CHRISTI WEATHER BUREAU 3 PM AUGUST 7 1964

TROPICAL STORM ABBY CONTINUES TO MOVE WESTWARD AND AT 3 PM CENTRAL STANDARD TIME WAS LOCATED ABOUT 100 MILES NORTHEAST OF CORPUS CHRISTI. ABBY WILL MOVE INLAND NEAR MATAGORDA TEXAS THIS AFTERNOON. HIGHEST WINDS ARE ESTIMATED ABOUT 60 MILES PER HOUR IN SQUALLS NEAR THE CENTER.

SMALL CRAFT SHOULD REMAIN IN PORT UNTIL DANGER FROM HIGH WINDS IS OVER. FOR THE IMMEDIATE CORPUS CHRISTI AREA NO HIGH WINDS ARE EXPECTED UNLESS A LOCALLY HEAVY THUNDERSTORM OCCURS. RAINFALL LOCALLY HEAVY IN THUNDER-SHOWERS IS LIKELY TONIGHT IN THE AREA JUST TO THE NORTH OF CORPUS CHRISTI.

MOZENY