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U. S. Weather Bureau.

Hurricane Anna, July 20-24, 1961; preliminary  
report with the advisories and bulletins issued.

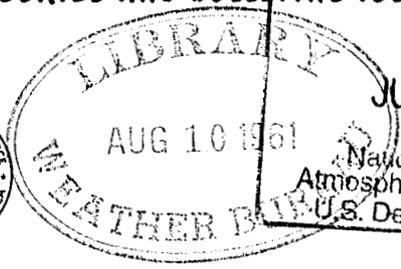
U. S. DEPARTMENT OF COMMERCE  
U.S. WEATHER BUREAU

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# HURRICANE ANNA

## JULY 20-24, 1961

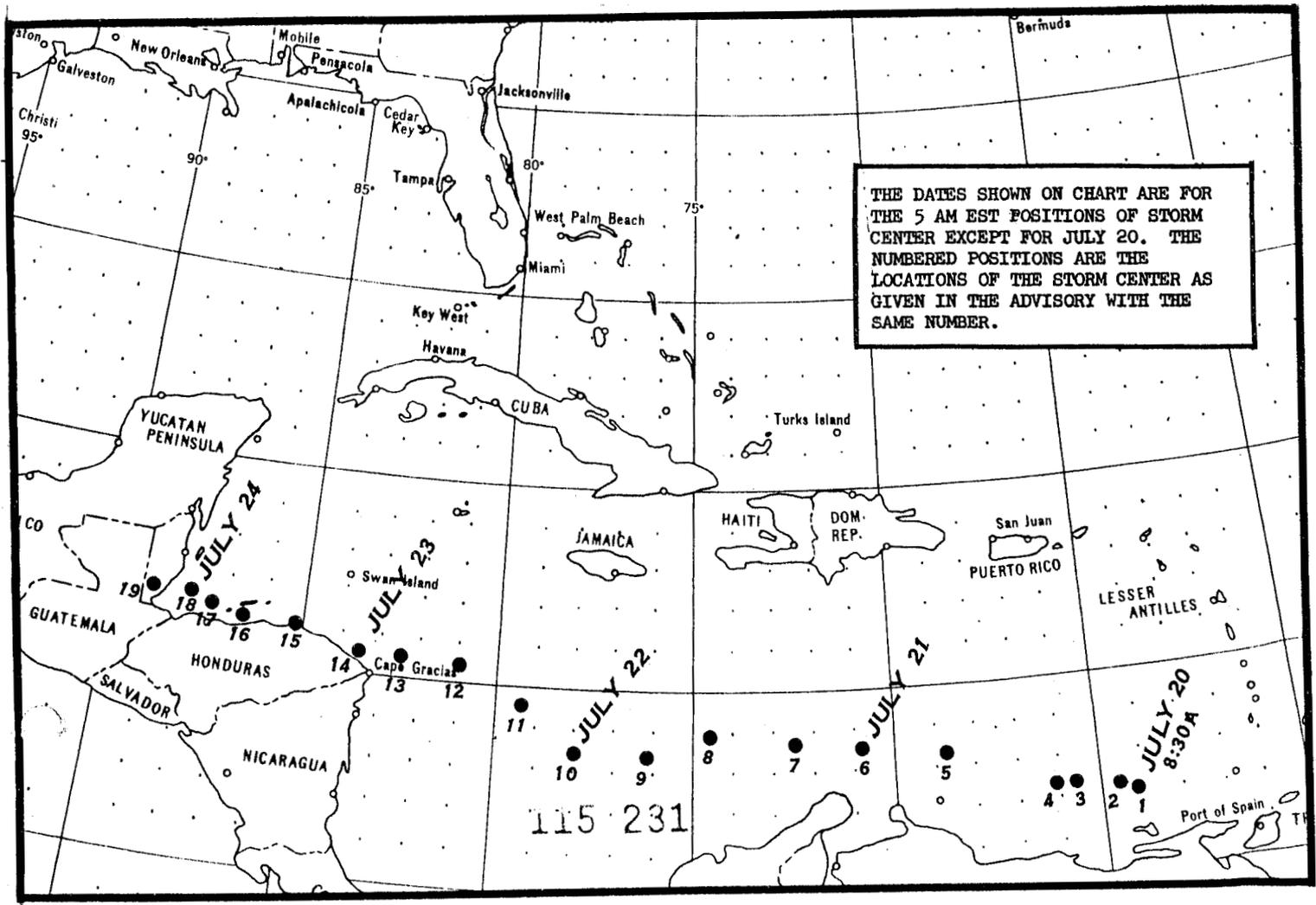
PRELIMINARY REPORT WITH THE ADVISORIES AND BULLETINS ISSUED



JUL 05 2001

National Oceanic & Atmospheric Administration  
U.S. Dept. of Commerce

JULY 1961



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# **National Oceanic and Atmospheric Administration Weather Bureau Hurricane Series**

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HURRICANE ANNA, JULY 20-24, 1961  
Preliminary Report

Anna, the first hurricane of the 1961 season in the Atlantic area, developed in a wave in the trade winds in the southeastern Caribbean on July 20, 1961. It moved on a course slightly north of west through the Caribbean and entered British Honduras on July 24. Anna was a small but rather intense hurricane with lowest central pressure around 971 millibars or 28.68 inches, and highest winds 115 to 120 mph.

The easterly wave in which the hurricane formed was first investigated by a Naval reconnaissance aircraft on July 17 east of the Antilles. The wave was carefully watched during its westward progress, and although no circulation was observed as it approached and passed the Windward Islands, it showed signs of increasing activity over its southern portion. The reports from the southeastern Caribbean early on July 20 indicated that a circulation was developing between Grenada and Trinidad. A reconnaissance aircraft was dispatched before daybreak. The indication was confirmed when the aircraft reached the area. Aircraft reports were supplemented by information from the French vessel Ft. St. Pierre.

The first tropical storm advisory was issued at 8:30 AM EST on July 20 by the Hurricane Warning Center at San Juan, P.R. Winds were estimated at 60 mph. The storm was moving toward the west and showed signs of increasing intensity. By midafternoon estimated winds of 80 mph were reported by the reconnaissance aircraft. A special advisory was issued at 3 PM EST advising that Anna had intensified to hurricane proportions. Hurricane warnings were issued for the Venezuelan Islands at 3 PM on July 20 and whole gale warnings were issued for Curacao, Bonaire and Aruba at 5 PM EST. After Advisory #8, issued by the Hurricane Warning Center at San Juan at 5 PM EST, July 21, responsibility for warnings was transferred to the Hurricane Warning Center at Miami.

As the hurricane approached Central America warnings of hurricane winds, heavy rains and high tides were issued for northeastern Nicaragua and eastern Honduras. Warnings were extended to the Gulf of Honduras and to British Honduras when it became evident that the hurricane, moving on a course somewhat to the north of west, would skirt the Honduran coast. The hurricane was still small but fairly intense as it moved in on the coast of British Honduras south of Belize in the early morning of July 24.

During the time the hurricane was moving through the southeastern Caribbean its effects were not appreciably felt by any land areas except the islands off the Venezuelan coast and the Dutch Islands of Curacao, Bonaire and Aruba. Highest winds reported at Aruba were 48 knots in gusts when the storm passed to the north. Unconfirmed reports from the Islands of Los Hermanos and La Blanquilla indicated that the wind reached 60 knots at these locations. No reports of damage have as yet been received from these islands. During its passage through the northwestern Caribbean the hurricane passed to the south of the US Weather Bureau station at Swan Island but produced only gale winds at that location.

The principal destructive effects of the storm were felt along the coast of Honduras, in the Gulf of Honduras, and in British Honduras. Preliminary reports of damage from this area shows that in Honduras the town of Trujillo suffered some damage, Limon had 9 houses destroyed and 18 buildings badly damaged, and another nearby town had 215 houses destroyed. One death and 12 injuries were reported in the coastal area of Honduras, and hundreds were homeless in Gracias a Dios province. On Islas de la Bahia there reportedly were no casualties but nine houses and all plantations and fruit trees were destroyed. On Isla Tila 5000 coconut trees were uprooted. In British Honduras no casualties were reported. Damage at Belize was confined to the seawall. Estimates of damage are not available south of Belize but it is believed considerable at Punta Gorda in the southern part of the country.

The hurricane was closely tracked by Navy Hurricane Hunter aircraft and by a DC-6 flying laboratory of the Hurricane National Research Project. The TIROS meteorological satellite photographed the hurricane on July 21, 22 and 23 and also the remains of the cloud system over the Yucatan Peninsula on July 25 after the hurricane had moved inland.

SAN JUAN WEATHER BUREAU TROPICAL STORM ADVISORY NUMBER 1 ANNA 930 AM AST JULY 20 1961.

AIRCRAFT AND VESSEL REPORTS INDICATE THAT A TROPICAL STORM HAS DEVELOPED OVER THE SOUTHEASTERN CARIBBEAN SEA ON THE EASTERLY WAVE WHICH HAS BEEN UNDER SURVEILLANCE FOR THE PAST SEVERAL DAYS. AT 930 AM AST...1330Z.. THE FIRST TROPICAL STORM OF THE SEASON IS ESTIMATED TO BE LOCATED NEAR LATITUDE 12.0N LONGITUDE 64.1W OR ABOUT 500 STATUTE MILES SOUTHSOUTHEAST OF SAN JUAN PUERTO RICO. IT IS MOVING BETWEEN WEST AND WESTNORTHWEST ABOUT 17 MPH.

HIGHEST WINDS ARE ESTIMATED TO BE ABOUT 60 MPH IN A SMALL AREA NEAR THE CENTER AND GALE WINDS EXTEND 65 MILES IN THE NORTHERN SEMICIRCLE AND 25 MILES IN THE SOUTHERN SEMICIRCLE.

FUTURE DIRECTION AND RATE OF MOTION OF TROPICAL STORM ANNA IS UNCERTAIN BUT IT IS EXPECTED TO BE TOWARD THE WEST FOR THE NEXT 12 TO 24 HOURS. IT IS EXPECTED TO INCREASE GRADUALLY IN SIZE AND INTENSITY DURING THE NEXT 24 HOURS.

VESSELS IN THE PATH OF THIS STORM SHOULD EXERCISE CAUTION AND SMALL CRAFT IN THE SOUTHERN LEEWARDS WINDWARD ISLANDS AND ALONG THE COAST OF VENEZUELA FROM PARAGUANA PENINSULA TO TRINIDAD WEST INDIES SHOULD REMAIN IN PORT.

PEOPLE IN THE COASTAL ISLANDS OF VENEZUELA AND CURACAO BONAIRE AND ARUBA SHOULD STANDBY FOR FURTHER INFORMATION DURING THE DAY.

THE NEXT REGULAR ADVISORY ON TROPICAL STORM ANNA WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT NOON AST 1600Z.

HIGGS WEATHER BUREAU SAN JUAN

MIAMI WEATHER BUREAU TROPICAL STORM BULLETIN ANNA 1100 AM EST JULY 20 1961.

AT 1100 AM EST...1600Z...TROPICAL STORM ANNA WAS ESTIMATED TO BE LOCATED NEAR LATITUDE 12.2 NORTH LONGITUDE 64.7 WEST OR ABOUT 485 STATUTE MILES SOUTHSOUTHEAST OF SAN JUAN PUERTO RICO. IT IS MOVING BETWEEN WEST AND WESTNORTHWEST ABOUT 17 MPH.

HIGHEST WINDS ARE ESTIMATED ABOUT 65 MPH IN A SMALL AREA NEAR THE CENTER AND GALE WINDS EXTEND OUTWARD 80 MILES IN THE NORTHEAST QUADRANT 50 MILES IN THE NORTHWEST QUADRANT AND 30 MILES IN THE SOUTHERN SEMICIRCLE.

TROPICAL STORM ANNA IS EXPECTED TO CONTINUE IN ABOUT THE SAME DIRECTION AND AT THE SAME RATE FOR THE NEXT 12 TO 24 HOURS WITH A GRADUAL INCREASE IN INTENSITY.

VESSELS IN THE PATH OF THIS STORM SHOULD EXERCISE CAUTION AND SMALL CRAFT ALONG THE COAST OF VENEZUELA FROM PARAGUANA PENINSULA TO TRINIDAD WEST INDIES SHOULD REMAIN IN PORT.

PEOPLE IN THE COASTAL ISLANDS OF VENEZUELA AND CURACAO BONAIRE AND ARUBA SHOULD STANDBY FOR FURTHER INFORMATION DURING THE DAY.

THE REGULAR 1100 AM EST ADVISORY FROM SAN JUAN WILL BE TRANSMITTED AS SOON AS RECEIVED.

WEATHER BUREAU MIAMI

SAN JUAN WEATHER BUREAU TROPICAL STORM ADVISORY NUMBER 2 ANNA 12 NOON AST JULY 20 1961.

TROPICAL STORM ANNA WAS LOCATED BY RECONNAISSANCE AIRCRAFT THIS MORNING AND AT 12 NOON AST...1600Z..IT WAS CENTERED NEAR LATITUDE 12.2N AND LONGITUDE 64.7W OR ABOUT 450 STATUTE MILES SOUTH OF SAN JUAN PUERTO RICO. IT IS MOVING BETWEEN WEST AND WESTNORTHWEST AT ABOUT 17 MPH.

HIGHEST WINDS ARE ESTIMATED AT 65 MPH IN A SMALL AREA NEAR THE CENTER AND GALE WINDS EXTEND 80 MILES FROM THE CENTER IN THE NORTHEAST QUADRANT 50 MILES IN THE NORTHWEST QUADRANT AND 30 MILES IN THE SOUTHERN QUADRANTS.

TROPICAL STORM ANNA IS EXPECTED TO MOVE BETWEEN WEST AND WESTNORTHWEST ABOUT 17 MPH FOR THE NEXT 12 TO 24 HOURS. IT IS EXPECTED TO INCREASE GRADUALLY IN SIZE AND INTENSITY DURING THE NEXT 24 HOURS.

VESSELS IN THE PATH OF THIS STORM SHOULD EXERCISE CAUTION AND SMALL CRAFT ALONG THE COAST OF VENEZUELA FROM PARAGUANA PENINSULA TO ISLA MARGARITA SHOULD REMAIN IN PORT.

PEOPLE IN THE COASTAL ISLANDS OF VENEZUELA AND CURACAO BONAIRE AND ARUBA SHOULD KEEP IN TOUCH WITH THE LATEST ADVISORIES AND BULLETINS.

THE NEXT REGULAR ADVISORY ON TROPICAL STORM ANNA WILL BE ISSUED BY SAN JUAN WEATHER BUREAU AT 6 PM AST AND A BULLETIN WILL BE ISSUED AT 3 PM AST.

MILLER WEATHER BUREAU SAN JUAN

SAN JUAN WEATHER BUREAU BULLETIN FOR PRESS RADIO AND TELEVISION 3 PM AST JULY 20 1961.

TROPICAL STORM ANNA IS ESTIMATED TO BE NEAR 12.3N 65.4W OR ABOUT 450 STATUTE MILES ALMOST DUE SOUTH OF SAN JUAN PUERTO RICO. IT APPEARS TO BE CONTINUING ITS WESTWARD DIRECTION OF MOTION AT ABOUT THE SAME SPEED OF 17 MPH. LITTLE CHANGE IN INTENSITY IS NOTED DURING THE PAST 3 HOURS.

IT IS EXPECTED TO CONTINUE MOVING IN A WESTERLY DIRECTION FOR THE NEXT 12 HOURS.

HIGHEST WINDS ARE ABOUT 65 MPH NEAR THE CENTER AND GALES EXTEND OUTWARD 80 MILES TO THE NORTH AND 30 MILES TO THE SOUTH OF THE CENTER.

PEOPLE ON THE VENEZUELAN COASTAL ISLANDS AND CURACAO BONAIRE AND ARUBA SHOULD KEEP IN TOUCH WITH THE LATEST ADVISORIES AND BULLETINS.

IN ITS PRESENT POSITION AND WITH ITS DIRECTION OF MOTION AND FORWARD SPEED IT OFFERS NO THREAT TO THE NORTHERN LEEWARD ISLANDS VIRGIN ISLANDS AND PUERTO RICO.

THE NEXT ADVISORY WILL BE ISSUED AT 6 PM AST.

HIGGS WEATHER BUREAU

SAN JUAN WEATHER BUREAU SPECIAL ADVISORY NUMBER 3 ANNA 4 PM AST JULY 20 1961.

HURRICANE WARNINGS ARE IN EFFECT FOR THE ISLANDS OF LOS HERMANOS ORCHILA AND LOS ROQUES. HURRICANE WATCH IS IN EFFECT FOR CURACAO BONAIRE AND ARUBA.

LATEST REPORTS FROM RECONNAISSANCE AIRCRAFT SHOW THAT ANNA HAS INCREASED TO HURRICANE INTENSITY AND AT 4 PM AST...2000Z.. HURRICANE ANNA WAS ESTIMATED TO BE CENTERED NEAR LATITUDE 12.3N LONGITUDE 65.6W OR ABOUT 450 STATUTE MILES SOUTH OF SAN JUAN PUERTO RICO. IT IS MOVING TOWARDS THE WEST AT 17 MPH. THE HURRICANE IS EXPECTED TO CONTINUE MOVING IN THE SAME DIRECTION AND ABOUT THE SAME RATE OF SPEED FOR THE NEXT 12 TO 24 HOURS. A SLIGHT INCREASE IN INTENSITY IS EXPECTED.

HIGHEST WINDS ARE ESTIMATED AT 80 MPH IN A SMALL AREA NEAR THE CENTER AND GALE WINDS EXTEND 100 MILES FROM THE CENTER IN THE NORTHEAST QUADRANT 65 MILES IN THE NORTHWEST QUADRANT AND 40 MILES IN THE SOUTHERN QUADRANTS.

VESSELS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE CAUTION AND SMALL CRAFT ALONG THE COAST OF VENEZUELA FROM GUAJIRA PENINSULA TO ISLA MARGARITA SHOULD REMAIN IN PORT.

PEOPLE IN THE COASTAL ISLANDS OF VENEZUELA AND CURACAO BONAIRE AND ARUBA SHOULD KEEP IN TOUCH WITH THE LATEST ADVISORIES AND BULLETINS AND BE PREPARED TO TAKE IMMEDIATE PRECAUTIONS AGAINST HIGH TIDES ROUGH SEAS HEAVY RAINS AND HURRICANE WINDS DURING THE NEXT 24 HOURS.

THE NEXT REGULAR ADVISORY WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 6 PM..2200Z.

HIGGS WEATHER BUREAU

SAN JUAN WEATHER BUREAU ADVISORY NUMBER 4 HURRICANE ANNA 6 PM AST JULY 20 1961.

HURRICANE WARNINGS ARE IN EFFECT FOR THE ISLANDS OF LOS HERMANOS BLANQUILLA ORCHILA LOS ROQUES. HURRICANE WATCH IS CHANGED TO WHOLE GALE WARNINGS FOR BONAIRE CURACAO AND ARUBA.

LATEST REPORTS FROM RECONNAISSANCE AIRCRAFT INDICATE THAT HURRICANE ANNA IS CENTERED AT 6 PM AST...2200Z...NEAR LATITUDE 12.3N AND LONGITUDE 66.1W OR ABOUT 200 STATUTE MILES EAST OF CURACAO N.W.I..IT IS MOVING BETWEEN WEST AND WESTNORTHWEST AT 17 MPH. HURRICANE ANNA IS EXPECTED TO CONTINUE MOVING IN THE SAME DIRECTION AND ABOUT THE SAME SPEED FOR THE NEXT 12 TO 24 HOURS. A SLIGHT INCREASE IN SIZE AND INTENSITY IS EXPECTED.

HIGHEST WINDS ARE ESTIMATED AT 90 MPH IN A SMALL AREA NEAR THE CENTER AND GALE WINDS EXTEND 100 MILES FROM THE CENTER IN THE NORTHEAST QUADRANT 80 MILES IN THE NORTHWEST QUADRANT AND 40 MILES IN THE SOUTHERN QUADRANTS. LOWEST PRESSURE OBSERVED WAS 29.50 INCHES OF MERCURY.

VESSELS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE CAUTION AND SMALL CRAFT ALONG THE COAST OF VENEZUELA FROM GUAJIRA PENINSULA TO ISLA MARGARITA SHOULD REMAIN IN PORT.

PEOPLE IN THE COASTAL ISLANDS OF VENEZUELA SHOULD CONTINUE PRECAUTIONS AGAINST HIGH TIDES ROUGH SEAS HEAVY RAINS AND HURRICANE WINDS IN THE NEXT 24 HOURS. PEOPLE IN CURACAO ARUBA AND BONAIRE SHOULD KEEP IN TOUCH WITH THE LATEST ADVISORIES AND BULLETINS AND SHOULD BE READY TO TAKE QUICK ACTION IN CASE WHOLE GALE WARNINGS ARE CHANGED TO HURRICANE WARNINGS.

THE NEXT REGULAR ADVISORY WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT MIDNIGHT AST .. 0400Z.

FENTON WEATHER BUREAU SAN JUAN

MIAMI WEATHER BUREAU BULLETIN HURRICANE ANNA 5 PM EST 20 JULY 1961.

TROPICAL CYCLONE ANNA HAS INTENSIFIED TO FULL HURRICANE FORCE DURING THE DAY. AT 5 PM EST 20 JULY 1961.

TROPICAL CYCLONE ANNA HAS INTENSIFIED TO FULL HURRICANE FORCE DURING THE DAY. AT 5 PM EST HURRICANE ANNA WAS LOCATED NEAR LATITUDE 12.3 NORTH LONGITUDE 66.1 WEST OR ABOUT 450 STATUTE MILES SOUTH OF SAN JUAN PUERTO RICO. IT IS CONTINUING ON A GENERAL WESTWARD COURSE AT ABOUT 17 MPH.

HIGHEST WINDS ARE ESTIMATED 90 MPH IN A SMALL AREA NEAR THE CENTER AND GALE WINDS EXTEND OUTWARD 100 STATUTE MILES IN THE NORTHEAST QUADRANT 80 NORTHWEST QUADRANT AND 40 MILES IN THE SOUTHERN SEMICIRCLE. THE LOWEST CENTRAL PRESSURE REPORTED THIS AFTERNOON WAS 999 MILLIBARS OR 29.50 INCHES.

HURRICANE ANNA IS EXPECTED TO CONTINUE ON A COURSE BETWEEN WEST AND WESTNORTHWEST AND AT ABOUT THE SAME SPEED FOR THE NEXT 12 TO 24 HOURS. HURRICANE ANNA WITH HER PRESENT DIRECTION OF MOTION APPEARS TO OFFER NO THREAT TO THE NORTHERN LEEWARD ISLANDS VIRGIN ISLANDS AND PUERTO RICO.

VESSELS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE CAUTION AND PEOPLE ON THE VENEZUELAN COASTAL ISLANDS AND CURACAO BONAIRE AND ARUBA SHOULD KEEP IN TOUCH WITH THE LATEST ADVISORIES AND BULLETINS AND BE PREPARED TO TAKE IMMEDIATE PRECAUTIONS AGAINST HIGH TIDES ROUGH SEAS HEAVY RAINS AND HURRICANE WINDS IF INDICATED BY LATER REPORTS.

COMMUNICATIONS BETWEEN PUERTO RICO AND FLORIDA REMAIN DISTURBED AND THE REGULAR 5 PM EST ADVISORY FROM SAN JUAN WILL BE TRANSMITTED AS SOON AS RECEIVED.

MIAMI WEATHER BUREAU

SAN JUAN WEATHER BUREAU HURRICANE ADVISORY NUMBER 5 ANNA 12 MIDNIGHT AST JULY 21 1961.

HURRICANE WARNINGS ARE LOWERED FOR THE ISLANDS OF LOS HERMANOS BLANQUILLA ORCHILA LOS ROQUES. WHOLE GALE WARNINGS ARE LOWERED FOR BONAIRE CURACAO AND ARUBA.

LATEST REPORTS FROM RECONNAISSANCE AIRCRAFT INDICATE THAT HURRICANE ANNA IS CENTERED AT 12 MIDNIGHT AST...0400Z...NEAR LATITUDE 13.3N AND LONGITUDE 68.8W OR ABOUT 90 STATUTE MILES NORTH OF CURACAO N.W.I.. IT IS MOVING TOWARD THE WESTNORTHWEST AT 23 MPH. HURRICANE ANNA IS EXPECTED TO CONTINUE MOVING IN THE SAME DIRECTION AND ABOUT THE SAME SPEED FOR THE NEXT 12 HOURS WITH A SLIGHT DECREASE IN SPEED THEREAFTER. LITTLE CHANGE IN SIZE OR INTENSITY IS ANTICIPATED.

HIGHEST WINDS ARE ESTIMATED AT 80 MPH IN A SMALL AREA NEAR THE CENTER AND GALE WINDS EXTEND 100 MILES FROM THE CENTER IN THE NORTHEAST QUADRANT 80 MILES IN THE NORTHWEST QUADRANT AND 40 MILES IN THE SOUTHERN QUADRANTS.

VESSELS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE CAUTION AND SMALL CRAFT ALONG THE COAST OF SOUTH AMERICA FROM GUAJIRA PENINSULA TO CURACAO SHOULD REMAIN IN PORT.

HURRICANE ANNA NO LONGER OFFERS ANY THREAT TO THE COASTAL AREAS OR COASTAL ISLANDS OFF VENEZUELA EXCEPT FOR POSSIBLE HEAVY SURF ALONG THE BEACHES.

THE NEXT REGULAR ADVISORY WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 6 AM AST...1000Z.

DAVIS WEATHER BUREAU SAN JUAN

SAN JUAN WEATHER BUREAU HURRICANE ADVISORY NUMBER 6 ANNA 0600 AST JULY 21 1961.

LATEST REPORTS FROM RECONNAISSANCE AIRCRAFT INDICATE THAT HURRICANE ANNA IS CENTERED AT 6 AM AST 1000Z NEAR LATITUDE 13.5N AND LONGITUDE 70.9W OR ABOUT 175 STATUTE MILES NORTHWEST OF CURACAO N.W.I. IT IS MOVING BETWEEN WEST AND WESTNORTHWEST AT 23 MPH. HURRICANE ANNA IS EXPECTED TO CONTINUE MOVING IN THE SAME DIRECTION AT A SLIGHTLY SLOWER SPEED OF 21 MPH FOR THE NEXT 12 HOURS WITH SLOWLY INCREASING SIZE AND INTENSITY.

HIGHEST WINDS ARE ESTIMATED AT 80 MPH OVER A SMALL AREA NEAR THE CENTER AND GALE WINDS EXTEND 100 MILES NORTH OF THE CENTER IN THE NORTHERN SEMICIRCLE AND 50 MILES IN THE SOUTHERN SEMICIRCLE LOWEST PRESSURE 29.29 INCHES OF MERCURY.

VESSELS IN THE PATH OF HURRICANE ANNA SHOULD EXERCISE CAUTION AND SMALL CRAFT ALONG THE COAST OF SOUTH AMERICA IN THE VICINITY OF GUAJIRA PENINSULA SHOULD REMAIN IN PORT.

HURRICANE ANNA NO LONGER OFFERS ANY THREAT TO THE COASTAL AREAS OR ISLANDS OFF VENEZUELA EXCEPT FOR POSSIBLE HEAVY SURF ALONG THE BEACHES.

THE NEXT REGULAR ADVISORY WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 12 NOON AST...1600Z.

HURLEY WEATHER BUREAU SAN JUAN

SAN JUAN WEATHER BUREAU HURRICANE ADVISORY NUMBER 7 ANNA 12 NOON AST JULY 21 1961.

RECONNAISSANCE REPORTS RECEIVED THIS MORNING INDICATE THAT HURRICANE ANNA IS CENTERED AT NOON AST...1600Z...NEAR LATITUDE 13.7N LONGITUDE 72.6W OR ABOUT 550 STATUTE MILES SOUTHWEST OF SAN JUAN PUERTO RICO.

IT CONTINUES MOVING TOWARD THE WEST OR WESTNORTHWEST AT ABOUT 22 MPH.

HIGHEST WINDS ARE ESTIMATED TO BE 80 MPH OVER A SMALL AREA NEAR THE CENTER. GALE WINDS EXTEND OUTWARD FROM THE CENTER 100 MILES IN THE NORTHERN SEMICIRCLE AND 50 MILES IN THE SOUTHERN SEMICIRCLE.

HURRICANE ANNA IS EXPECTED TO CONTINUE MOVING TOWARD THE WEST OR WESTNORTHWEST DURING THE NEXT 12 HOURS AT ABOUT THE SAME SPEED AND WITH A SLIGHT INCREASE IN INTENSITY DURING THE DAY.

VESSELS IN THE PATH OF THE HURRICANE SHOULD EXERCISE CAUTION. SMALL CRAFT AROUND JAMAICA SHOULD REMAIN IN SAFE PORT.

THE NEXT REGULAR ADVISORY WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 6 PM AST...2200Z.

HIGGS WEATHER BUREAU SAN JUAN

SAN JUAN WEATHER BUREAU HURRICANE ADVISORY NUMBER 8 ANNA 6 PM AST JULY 21 1961.

AIRCRAFT RECONNAISSANCE REPORTS RECEIVED THIS AFTERNOON INDICATE THAT HURRICANE ANNA AT 6 PM...2200Z...IS CENTERED NEAR LATITUDE 13.9N LONGITUDE 74.6W OR ABOUT 310 STATUTE MILES SOUTHSOUTHEAST OF KINGSTON JAMAICA. IT IS MOVING TOWARD THE WEST OR WESTNORTHWEST ABOUT 23 MPH.

HIGHEST WINDS ARE ESTIMATED TO BE 115 MPH IN A SMALL AREA NEAR THE CENTER AND HURRICANE FORCE WINDS EXTEND OUTWARD FROM THE CENTER 40 MILES IN THE NORTHERN SEMICIRCLE AND 20 MILES IN THE SOUTHERN SEMICIRCLE. GALE FORCE WINDS EXTEND OUTWARD FROM THE CENTER 125 MILES IN THE NORTHERN SEMICIRCLE AND 50 MILES IN THE SOUTHERN SEMICIRCLE.

HURRICANE ANNA IS EXPECTED TO CONTINUE MOVING TOWARD THE WEST OR WESTNORTHWEST AT ABOUT THE SAME SPEED DURING THE NEXT 12 HOURS WITH LITTLE CHANGE IN INTENSITY.

VESSELS IN THE PATH OF THE HURRICANE SHOULD EXERCISE CAUTION AND SMALL CRAFT AROUND JAMAICA SHOULD REMAIN IN A SAFE PORT.

THE NEXT ADVISORY ON HURRICANE ANNA WILL BE ISSUED BY THE MIAMI WEATHER BUREAU AT 11 PM EST...0400Z.

FENTON WEATHER BUREAU SAN JUAN

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 9 ANNA 11 PM EST 21 JULY 1961.

LATEST RECONNAISSANCE INDICATE THAT HURRICANE ANNA IS CONTINUING ON A WESTERLY COURSE NEAR 20 MPH. AT 11 PM EST...0400Z...THE HURRICANE WAS CENTERED NEAR LATITUDE 13.4 NORTH LONGITUDE 76.2 WEST OR ABOUT 320 STATUTE MILES SOUTH OF KINGSTON JAMAICA. IT IS EXPECTED TO MOVE ON A WEST TO WESTNORTHWEST COURSE NEAR 20 MPH DURING THE NEXT 24 HOURS. LITTLE CHANGE IN SIZE OR INTENSITY IS INDICATED.

HIGHEST WINDS ARE ESTIMATED TO BE 115 MPH IN A SMALL AREA NEAR THE CENTER AND HURRICANE FORCE WINDS EXTEND OUTWARD 60 MILES IN THE NORTHERN SEMICIRCLE AND 30 MILES TO THE SOUTH. GALES EXTEND OUTWARD 150 MILES IN THE NORTHERN SEMICIRCLE AND 75 MILES TO THE SOUTH.

HURRICANE ANNA IS EXPECTED TO REACH THE COAST NEAR THE NORTHERN BORDER OF NICARAGUA EARLY SATURDAY NIGHT. ALL INTERESTS IN EXTREME NORTHEAST NICARAGUA NORTH OF PUERTO CABEZAS AND IN EXTREME EASTERN HONDURAS SHOULD TAKE PRECAUTIONS AGAINST HURRICANE WINDS HEAVY RAINS AND ABNORMALLY HIGH TIDES SATURDAY NIGHT.

VESSELS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE CAUTION. SMALL CRAFT AROUND JAMAICA AND ALONG THE COASTS OF NICARAGUA AND HONDURAS IN THE CARIBBEAN SHOULD REMAIN IN PORT.

THE NEXT ADVISORY ON HURRICANE ANNA WILL BE ISSUED BY THE MIAMI WEATHER BUREAU AT 5 AM EST SATURDAY.

SUGG WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 10 ANNA 5AM EST JULY 22 1961.

AT 5 AM EST...1000Z...HURRICANE ANNA WAS CENTERED NEAR LATITUDE 13.4 LONGITUDE 78.0 OR ABOUT 350 STATUTE MILES EAST OF PUERTO CABEZAS NICARAGUA MOVING WESTWARD ABOUT 20 MPH.

HIGHEST WINDS ARE ESTIMATED 100 MPH NEAR THE CENTER AND GALES EXTEND OUT 150 MILES TO THE NORTH AND 75 MILES TO THE SOUTH.

LITTLE CHANGE IN SIZE OR INTENSITY IS EXPECTED AS HURRICANE ANNA CONTINUES WESTWARD ABOUT 20 MPH. IT IS EXPECTED TO REACH THE COAST LATE TODAY OR EARLY TONIGHT NEAR PUERTO CABEZAS AND ALL INTERESTS IN EXTREME NORTHEASTERN NICARAGUA AND EASTERN HONDURAS SHOULD TAKE PRECAUTIONS AGAINST HURRICANE WINDS HEAVY RAINS AND HIGH TIDES. SMALL CRAFT ALONG THE CARIBBEAN COAST OF NICARAGUA AND HONDURAS SHOULD REMAIN IN PORT.

THE NEXT ADVISORY ON HURRICANE ANNA WILL BE ISSUED BY THE MIAMI WEATHER BUREAU AT 11AM EST TODAY.

KRAFT WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 11 ANNA 11 AM EST 22 JULY 1961.

AT 11 AM EST...1600Z... BASED ON AVAILABLE REPORTS POSITION OF HURRICANE ANNA IS RATHER UNCERTAIN BUT ESTIMATED AT LATITUDE 14.6 NORTH LONGITUDE 79.4 WEST OR ABOUT 275 STATUTE MILES SLIGHTLY SOUTH OF DUE EAST FROM CAPE GRACIAS NICARAGUA. THIS POSITION BELIEVED CORRECT WITHIN 40 MILES. MOVEMENT CONTINUES ON A COURSE BETWEEN WEST AND WESTNORTHWEST ABOUT 18 MPH.

HIGHEST WINDS ARE ESTIMATED 100 MPH OVER A SMALL AREA NEAR THE CENTER WITH GALES EXTENDING OUTWARD 175 MILES TO THE NORTH AND 85 MILES TO THE SOUTH. LOWEST CENTRAL PRESSURE CONTINUES AT ABOUT 976 MILLIBARS OR 28.82 INCHES.

NO MARKED CHANGE IN SIZE OR INTENSITY IS EXPECTED. HURRICANE ANNA IS EXPECTED TO MOVE BETWEEN WEST AND WESTNORTHWEST AT ABOUT THE SAME SPEED FOR THE NEXT 12 TO 24 HOURS.

HURRICANE ANNA IS EXPECTED TO PASS ALONG OR A SHORT DISTANCE TO THE NORTH OF THE HONDURAN NICARAGUAN COAST TONIGHT FROM CAPE GRACIAS TO PUERTO CASTILLA. INTERESTS IN THIS AREA SHOULD TAKE PRECAUTIONS AGAINST HURRICANE WINDS HEAVY RAINS AND HIGH TIDES. THIS HURRICANE IS A DISTINCT THREAT TO BRITISH HONDURAS SUNDAY. SMALL CRAFT IN THE EXTREME WESTERN CARIBBEAN SHOULD REMAIN IN SAFE HARBOR AND ALL SHIPPING IN THE PATH OF THIS HURRICANE SHOULD EXERCISE EXTREME CAUTION.

AN INTERMEDIATE BULLETIN WILL BE ISSUED AT 2 PM EST WITH THE NEXT REGULAR ADVISORY FROM THE MIAMI WEATHER BUREAU AT 5 PM EST.

CLARK WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU BULLETIN HURRICANE ANNA 2 PM EST 22 JULY 1961.

REPORTS DURING THE LAST SEVERAL HOURS INDICATE THE 11 AM EST ADVISORY POSITION ON HURRICANE ANNA WAS EXCELLENT. AT 2 PM EST THE HURRICANE CENTER WAS ESTIMATED AT APPROXIMATELY 195 MILES DUE EAST OF CAPE GRACIAS NICARAGUA MOVING WESTNORTHWESTWARD ABOUT 18 MPH.

THE INTENSITY OF HURRICANE ANNA HAS CHANGED VERY LITTLE SINCE LATE FRIDAY AFTERNOON AND MAXIMUM WINDS ARE ESTIMATED AT 100 MPH OVER A SMALL AREA NEAR THE CENTER WITH GALES EXTENDING OUTWARD 175 MILES TO THE NORTH AND 84 MILES TO THE SOUTH. MOMENTARY GUSTS IN EXCESS OF 120 MPH ARE LIKELY IN THE MORE INTENSE SQUALLS CLOSE TO THE CENTER PARTICULARLY IN THE NORTHERN SEMICIRCLE.

HURRICANE ANNA IS FORECAST TO CONTINUE ON A WESTNORTHWEST COURSE AT ABOUT THE SAME SPEED FOR THE NEXT 12 TO 18 HOURS. IT NOW SEEMS LIKELY THE CENTER WILL CLEAR THE NORTHEAST COAST OF HONDURAS TONIGHT BUT INTERESTS IN THAT AREA SHOULD TAKE PRECAUTIONS AGAINST GALE WINDS IN SQUALLS AND ROUGH SEAS. A HURRICANE WATCH IS INDICATED FOR SWAN ISLAND.

SMALL CRAFT THROUGHOUT THE EXTREME WESTERN CARIBBEAN SHOULD REMAIN IN SAFE HARBOR AND ALL SHIPPING IN THE PATH OF THE HURRICANE SHOULD EXERCISE EXTREME CAUTION.

THE NEXT REGULAR ADVISORY WILL BE ISSUED FROM THE MIAMI WEATHER BUREAU AT 5 PM EST.

DUNN WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 12 ANNA 5 PM EST JULY 22 1961

AT 5 PM EST...2200Z...AIRCRAFT RECONNAISSANCE LOCATED HURRICANE ANNA AT LATITUDE 15.4 NORTH LONGITUDE 81.0 WEST OR ABOUT 150 STATUTE MILES EASTNORTHEAST OF CAPE GRACIAS NICARAGUA. MOVEMENT CONTINUES ON A WESTNORTHWEST COURSE AT ABOUT 18 MPH.

ANNA IS A SMALL BUT RATHER INTENSE HURRICANE WITH HIGHEST WINDS ESTIMATED 100 MPH OVER A SMALL AREA NEAR THE CENTER. GALES EXTEND OUTWARD 175 STATUTE MILES IN THE NORTHERN SEMICIRCLE AND 85 MILES TO THE SOUTH. LOWEST PRESSURE CONTINUES AT ABOUT 976 MILLIBARS OR 28.82 INCHES.

HURRICANE ANNA IS FORECAST TO REMAIN ON A WESTNORTHWEST COURSE AT THE SAME SPEED WITH NO MARKED CHANGE IN SIZE OR INTENSITY DURING THE NEXT 12 to 24 HOURS.

IT NOW SEEMS LIKELY THE CENTER WILL CLEAR THE NORTHEAST COAST OF HONDURAS TONIGHT BUT INTERESTS IN THAT AREA SHOULD TAKE PRECAUTIONS AGAINST GALE WINDS IN SQUALLS AND ROUGH SEAS. A HURRICANE WATCH IS INDICATED FOR SWAN ISLAND.

SMALL CRAFT THROUGHOUT THE EXTREME WESTERN CARIBBEAN SHOULD REMAIN IN SAFE HARBOR AND ALL SHIPPING IN THE PATH OF THE HURRICANE SHOULD EXERCISE EXTREME CAUTION.

AN INTERMEDIATE BULLETIN WILL BE ISSUED AT 8 PM EST WITH THE NEXT REGULAR ADVISORY FROM THE MIAMI WEATHER BUREAU AT 11 PM EST.

CLARK WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU BULLETIN HURRICANE ANNA 8 PM EST 22 JULY 1961

REPORTS DURING THE LATE AFTERNOON AND EARLY EVENING INDICATE THAT HURRICANE ANNA IS CONTINUING ON A WESTNORTHWEST COURSE NEAR 18 MPH AND AT 8 PM WAS CENTERED ABOUT 100 STATUTE MILES NORTHEAST OF CAPE GRACIAS NICARAGUA.

THE FORECAST TRACK WOULD INDICATE THAT THE CENTER WILL CLEAR THE NORTH COAST OF HONDURAS BUT INTERESTS IN THAT AREA SHOULD TAKE PRECAUTIONS AGAINST ROUGH SEAS AND GALE WINDS IN SQUALLS TONIGHT AND SUNDAY. THE HURRICANE WATCH IS CONTINUED FOR SWAN ISLAND.

ANNA IS A SMALL HURRICANE AND AS OF 7 PM WAS STILL TOO FAR FROM LAND TO BE AFFECTING ANY OF THE REGULAR REPORTING STATIONS. THE HURRICANE WILL BE UNDER AIRCRAFT SURVEILLANCE TONIGHT AND PROBABLY WITHIN RANGE OF THE SWAN ISLAND RADAR BY MORNING.

HIGHEST WINDS ARE ESTIMATED 100 MPH OVER A SMALL AREA NEAR THE CENTER. GALES EXTEND OUTWARD 175 STATUTE MILES IN THE NORTHERN SEMICIRCLE AND 85 MILES TO THE SOUTH.

SMALL CRAFT THROUGHOUT THE EXTREME WESTERN CARIBBEAN SHOULD REMAIN IN SAFE HARBOR AND ALL SHIPPING IN THE PATH OF THE HURRICANE SHOULD EXERCISE EXTREME CAUTION.

THE NEXT REGULAR ADVISORY FROM THE MIAMI WEATHER BUREAU WILL BE ISSUED AT 11 PM EST.

SUGGS WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 13 ANNA 11 PM EST JULY 22 1961

AT 11 PM EST...0400Z...AIRCRAFT RECONNAISSANCE LOCATED HURRICANE ANNA NEAR LATITUDE 15.5 NORTH LONGITUDE 82.5 WEST OR ABOUT 60 MILES NORTHEAST OF CAPE GRACIAS NICARAGUA. ANNA IS MOVING TOWARDS THE WESTNORTHWEST AT ABOUT 17 MPH.

HIGHEST WINDS ARE ESTIMATED AT ABOUT 90 MPH OVER A SMALL AREA NEAR THE CENTER. GALES EXTEND OUT 150 MILES IN THE NORTHERN SEMICIRCLE AND 50 MILES TO THE SOUTH.

THE HURRICANE IS EXPECTED TO REMAIN ON A COURSE TOWARDS THE WEST NORTHWEST AT ABOUT 17 MPH WITH LITTLE CHANGE IN SIZE OR INTENSITY DURING THE NEXT 12 TO 18 HOURS.

THE PRESENT COURSE WOULD KEEP THE CENTER A SHORT DISTANCE OFF THE NORTHEAST COAST OF HONDURAS. THAT AREA AND ISLANDS OFF THE NORTH COAST SHOULD TAKE PRECAUTIONS AGAINST GALE WINDS IN SQUALLS AND ROUGH SEAS. ROUGH SEAS WILL ALSO AFFECT OTHER COASTAL AREAS OF THE GULF OF HONDURAS. INDICATIONS AT PRESENT ARE FOR THE CENTER TO REACH THE COAST OF BRITISH HONDURAS LATE SUNDAY AND ALL PRECAUTIONS SHOULD BE TAKEN.

THE HURRICANE WATCH SHOULD BE CONTINUED FOR SWAN ISLAND UNTIL THE COURSE IS CONFIRMED BUT IT NOW APPEARS THAT HURRICANE WINDS MAY NOT EXTEND AS FAR NORTH AS SWAN ISLAND.

SMALL CRAFT THROUGHOUT THE EXTREME WESTERN CARIBBEAN SHOULD REMAIN IN SAFE HARBOR AND SHIPPING SHOULD EXERCISE CAUTION.

AN INTERMEDIATE BULLETIN WILL BE ISSUED AT 2 AM EST AND THE NEXT REGULAR ADVISORY FROM THE MIAMI WEATHER BUREAU AT 5 AM EST.

MOORE WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU BULLETIN HURRICANE ANNA 2 AM EST SUNDAY JULY 23 1961.

HURRICANE ANNA HAS CONTINUED MOVING TOWARD THE WEST AND AT 2 AM EST WAS ABOUT 40 STATUTE MILES NORTH OF CAPE GRACIAS NICARAGUA. HIGHEST WINDS ARE ESTIMATED 90 MPH NEAR THE CENTER AND GALES EXTEND OUT 150 MILES NORTH AND 50 MILES TO THE SOUTH OF THE CENTER.

THE PRESENT COURSE WILL CARRY THE CENTER ALONG THE NORTHERN COAST OF HONDURAS AND INTERESTS THERE SHOULD TAKE PRECAUTIONS AGAINST HIGH WINDS AND TIDES AND HEAVY RAINS TODAY. SMALL CRAFT AROUND THE GULF OF HONDURAS AND EXTREME NORTHWESTERN CARIBBEAN SHOULD REMAIN IN PORT.

HURRICANE WATCH AT SWAN ISLAND HOWEVER IF THE PRESENT TREND CONTINUES SWAN ISLAND WILL NOT RECEIVE HURRICANE WINDS.

THE NEXT REGULAR ADVISORY FROM THE MIAMI WEATHER BUREAU WILL BE ISSUED AT 5 AM EST.

KRAFT WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 14 ANNA 5 AM EST 23 JULY 1961.

HURRICANE ANNA WAS ABOUT 40 STATUTE MILES NORTHWEST OF CAPE GRACIAS NICARAGUA AT 5 AM EST...1000Z...NEAR LATITUDE 15.5 NORTH LONGITUDE 83.7 WEST. AS THE HURRICANE CONTINUES MOVING TOWARD THE WEST 15 MPH ALONG THE NORTHERN COAST OF HONDURAS A LARGE PORTION OF THE CIRCULATION WILL BE OVER LAND AND THE HURRICANE WILL GRADUALLY WEAKEN.

HIGHEST WINDS ARE ESTIMATED 90 MPH NEAR THE CENTER AND GALES EXTEND OUT 150 MILES TO THE NORTH AND 50 MILES TO THE SOUTH OF THE CENTER.

GALES WILL OCCUR OVER THE GULF OF HONDURAS AND GALE OR HURRICANE FORCE WINDS ALONG THE NORTH COAST OF HONDURAS TODAY AND TONIGHT WITH HIGH TIDES AND HEAVY RAINS. SMALL CRAFT OVER THE EXTREME NORTHWESTERN CARIBBEAN SHOULD REMAIN IN SAFE HARBOR. ALL INTERESTS THROUGH NORTHERN HONDURAS SHOULD TAKE PRECAUTIONS AND BE ON THE ALERT FOR POSSIBLE FLOODING.

AN INTERMEDIATE BULLETIN WILL BE ISSUED AT 8 AM EST AND THE NEXT REGULAR ADVISORY FROM THE MIAMI WEATHER BUREAU AT 11 AM EST.

KRAFT WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU BULLETIN HURRICANE ANNA 8 AM EST 23 JULY 1961.

HURRICANE ANNA HAS MOVED PARTIALLY OVER LAND AND AT 8 AM EST WAS OVER EXTREME NORTHEAST HONDURAS ABOUT 90 MILES WESTNORTHWEST OF CAPE GRACIAS NICARAGUA. IT IS EXPECTED TO CONTINUE MOVING WESTWARD ABOUT 15 MPH ALONG THE HONDURAS COAST AND GRADUALLY WEAKEN.

WHILE NO LAND REPORTS HAVE BEEN RECEIVED NEAR THE HURRICANE SWAN ISLAND ABOUT 135 MILES NORTH OF THE HURRICANE HAS BEEN HAVING SQUALLS FOR THE PAST SEVERAL HOURS WITH WINDS UP TO 45 MPH.

INTERESTS ALONG THE COAST AND THROUGH NORTHERN HONDURAS SHOULD TAKE PRECAUTIONS AGAINST GALE AND POSSIBLE HURRICANE FORCE WINDS HIGH TIDES AND HEAVY RAINS AND BE ON THE ALERT FOR POSSIBLE FLOODS. SMALL CRAFT AROUND THE EXTREME NORTHWESTERN CARIBBEAN SHOULD REMAIN IN SAFE HARBOR.

THE NEXT ADVISORY WILL BE ISSUED FROM THE MIAMI WEATHER BUREAU AT 11 AM EST.

KRAFT WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 15 ANNA 11 AM EST 23 JULY 1961.

AIRCRAFT RECONNAISSANCE INDICATED THE CENTER OF HURRICANE ANNA WAS MOVING ALONG THE NORTHEAST HONDURAN COAST THIS MORNING AND AT 11 AM EST...1600Z... WAS NEAR LATITUDE 16.0 NORTH LONGITUDE 85.2 WEST WHICH IS CLOSE TO CABO CAMARON OR ABOUT 130 STATUTE MILES SOUTHWEST OF SWAN ISLAND. PRESENT MOVEMENT CONTINUES BETWEEN WEST AND WESTNORTHWEST AT ABOUT 15 MPH.

HIGHEST WINDS ARE 90 MPH OVER A SMALL AREA NEAR THE CENTER WITH GALES EXTENDING OUTWARD 175 STATUTE MILES IN THE NORTHERN SEMICIRCLE AND 60 MILES TO THE SOUTH.

HURRICANE ANNA IS FORECAST TO CONTINUE ON A COURSE BETWEEN WEST AND WESTNORTHWEST AT ABOUT THE SAME SPEED. ANNA WILL MAINTAIN ABOUT THE SAME INTENSITY AND SIZE TODAY BUT WEAKEN AFTER MOVING INLAND OVER BRITISH HONDURAS SOME 60 MILES SOUTH OF BELIZE TONIGHT.

HURRICANE FORCE WINDS HIGH TIDES AND HEAVY RAIN ARE EXPECTED TO CONTINUE ALONG THE IMMEDIATE NORTHERN COAST OF HONDURAS AND THROUGH THE ISLAS DE LA BAHIA TODAY SPREADING TO THE COAST OF BRITISH HONDURAS LATE TODAY AND TONIGHT. ALL INTERESTS ALONG THE BRITISH HONDURAS COAST SHOULD TAKE IMMEDIATE PRECAUTIONS AGAINST HURRICANE WINDS ROUGH SEAS AND TIDES 7 TO 10 FEET ABOVE NORMAL NEAR AND TO THE NORTH OF THE CENTER. HEAVY RAINS WILL PRODUCE WIDESPREAD FLOODING THROUGH THIS AREA.

SMALL CRAFT AROUND THE EXTREME NORTHWESTERN CARIBBEAN SHOULD REMAIN IN SAFE HARBOR AND ALL SHIPPING IN THE PATH OF THE HURRICANE SHOULD EXERCISE EXTREME CAUTION.

AN INTERMEDIATE BULLETIN WILL BE ISSUED AT 2 PM EST WITH THE NEXT REGULAR ADVISORY FROM THE MIAMI WEATHER BUREAU AT 5PM EST.

CLARK WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU BULLETIN HURRICANE ANNA 2 PM EST JULY 23 1961.

THE CENTER OF HURRICANE ANNA WHICH HAS BEEN SKIRTING THE NORTHEAST COAST OF HONDURAS DURING THE FORENOON HAS NOW MOVED OUT OVER THE OPEN WATER AGAIN AND AT 2PM EST WAS ESTIMATED ABOUT 185 STATUTE MILES EASTSOUTHEAST OF BELIZE BRITISH HONDURAS MOVING WEST-NORTHWEST AT ABOUT 15 MPH.

THERE APPEARS TO HAVE BEEN NO DIMINUTION IN INTENSITY AND MAXIMUM WINDS IN SQUALLS ARE ESTIMATED AT 90 MPH OVER SMALL AREA NEAR THE CENTER WITH GALES EXTENDING OUTWARD 175 STATUTE MILES IN THE NORTHERN SEMICIRCLE AND 60 MILES TO THE SOUTH. THE CENTRAL PRESSURE IS CALCULATED AT 971 MILLIBARS OR 28.68 INCHES.

HURRICANE ANNA WILL MOVE THROUGH THE ISLAS DE LA BAHIA THIS AFTERNOON ATTENDED BY HURRICANE WINDS AND DANGEROUS SEAS. WINDS WILL BEGIN INCREASING ALONG THE COAST OF BRITISH HONDURAS EARLY THIS EVENING WITH THE CENTER CROSSING THE COASTLINE SOME 45 TO 65 MILES SOUTH OF BELIZE DURING THE NIGHT. ALL INTERESTS ALONG THE COAST OF BRITISH HONDURAS SHOULD TAKE IMMEDIATE PRECAUTIONS AGAINST HURRICANE WINDS ROUGH SEAS. TIDES 7 TO 10 FEET ABOVE NORMAL ARE INDICATED OVER MUCH OF THE AREA BETWEEN MONKEY RIVER AND THE BELIZE DISTRICT. PERSONS ALONG THE COAST IN AREAS WHICH CAN BE INUNDATED BY TIDES OF THIS MAGNITUDE SHOULD BE EVACUATED. HEAVY RAINS IN HILLY AREA IN THE INTERIOR WILL CAUSE SOME FLASH FLOODING.

SMALL CRAFT IN THE GULF OF HONDURAS AND ALONG THE EASTERN YUCATAN COAST SHOULD REMAIN IN SAFE HARBOR AND ALL SHIPPING IN THE PATH OF THE HURRICANE SHOULD EXERCISE EXTREME CAUTION.

THE NEXT REGULAR ADVISORY ON HURRICANE ANNA WILL BE ISSUED FROM THE MIAMI WEATHER BUREAU AT 5PM EST.

DUNN MIAMI WEATHER BUREAU

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 16 ANNA 5PM EST 23 JULY 1961.

RECONNAISSANCE AIRCRAFT INDICATE THE CENTER OF HURRICANE ANNA CONTINUED ON A COURSE JUST OFF THE NORTHERN HONDURAN COAST AND AT 5 PM EST...2200Z... WAS CENTERED NEAR LATITUDE 16.1 NORTH LONGITUDE 86.6 WEST WHICH IS OVER THE WESTERN PORTION OF THE ISLAS DE LA BAHIA OR ABOUT 150 STATUTE MILES SOUTHEAST OF BELIZE BRITISH HONDURAS. PRESENT MOVEMENT REMAINS BETWEEN WEST AND WESTNORTHWEST ABOUT 15 MPH.

HIGHEST WINDS ARE ESTIMATED 90 MPH OVER A SMALL AREA NEAR THE CENTER WITH GALES EXTENDING OUTWARD 150 STATUTE MILES IN THE NORTHERN SEMICIRCLE AND 60 MILES TO THE SOUTH.

HURRICANE ANNA IS FORECAST TO CONTINUE ON A COURSE BETWEEN WEST AND WESTNORTHWEST AT ABOUT THE SAME SPEED. ANNA WILL MAINTAIN THE SAME SIZE AND INTENSITY UNTIL THE CENTER MOVES INLAND ON THE BRITISH HONDURAS SOME 50 TO 75 MILES SOUTH OF BELIZE AROUND MIDNIGHT THEREAFTER WEAKENING RAPIDLY OVER THE MOUNTAINS OF SOUTHERN BRITISH HONDURAS.

HURRICANE FORCE WINDS HIGH TIDES AND HEAVY RAIN WILL BEGIN ON THE BRITISH HONDURAS COAST TONIGHT BUT GRADUALLY SUBSIDE ON THE EXTREME NORTHERN HONDURAS COAST. ALL INTERESTS ALONG THE COAST OF GUATEMALA AND BRITISH HONDURAS SHOULD TAKE IMMEDIATE PRECAUTIONS AGAINST GALE TO HURRICANE FORCE WINDS AND ROUGH SEAS. TIDES 7 TO 10 FEET ARE INDICATED OVER MUCH OF THE AREA BETWEEN MONKEY RIVER /THE BELIZE DISTRICT. PERSONS ALONG THE COAST IN AREAS WHICH CAN BE INUNDATED BY TIDES OF THIS MAGNITUDE SHOULD BE EVACUATED. HEAVY RAINS IN HILLY AREAS IN THE INTERIOR WILL CAUSE SOME FLASH FLOODING.

SMALL CRAFT IN THE GULF OF HONDURAS AND ALONG THE EASTERN YUCATAN COAST SHOULD REMAIN IN SAFE HARBOR AND ALL SHIPPING IN THE PATH OF THE HURRICANE SHOULD EXERCISE EXTREME CAUTION.

AN INTERMEDIATE BULLETIN WILL BE ISSUED AT 8 PM EST WITH THE NEXT REGULAR ADVISORY FROM THE MIAMI WEATHER BUREAU AT 11 PM EST.

CLARK WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU BULLETIN ANNA 8PM EST SUNDAY JULY 23 1961.

AFTER SKIRTING THE COAST OF NORTHEASTERN HONDURAS TODAY THE CENTER OF HURRICANE ANNA HAS MOVED A LITTLE FARTHER OFF SHORE ON A CONTINUED COURSE TOWARDS THE WEST TO WESTNORTHWEST AT ABOUT 15 MPH. AT 8PM EST THE CENTER WAS REPORTED BY RECONNAISSANCE AIRCRAFT AS 145 MILES SOUTHEAST OF BELIZE BRITISH HONDURAS. THIS PLACES THE STRONGEST WINDS OF THE HURRICANE OVER THE WESTERN PORTION OF THE SMALL GROUP OF OFFSHORE ISLANDS THE ISLAS DE LA BAHIA.

HIGHEST WINDS ARE ESTIMATED 90 MPH NEAR THE CENTER AND GALES EXTEND OUTWARD 150 MILES TO THE NORTH AND SOUTHWARD TO THE HONDURAN COAST. THE CENTRAL PRESSURE IS ESTIMATED ABOUT 28.85 INCHES.

ANNA IS FORECAST TO CONTINUE TOWARDS THE WEST TO WESTNORTHWEST THROUGH THE GULF OF HONDURAS REACHING THE COAST ABOUT 75 MILES SOUTH OF BELIZE AROUND MIDNIGHT.

INTERESTS IN SOUTHERN BRITISH HONDURAS SHOULD COMPLETE WITHOUT DELAY ALL PRECAUTIONS AGAINST HURRICANE FORCE WINDS ROUGH SEAS AND HIGH TIDES WHICH WILL LIKELY RANGE UP TO 7 TO 10 FEET OVER MUCH OF THE COASTAL AREA. INTERESTS FROM THE HURRICANE CENTER WESTWARD TO THE GUATEMALA COAST SHOULD CONTINUE PRECAUTIONS AGAINST GALES ROUGH SEAS AND HIGH TIDES.

HEAVY RAINS IN HILLY AREAS WILL RESULT IN FLASH FLOODING PARTICULARLY WHEN THE HURRICANE MOVES INLAND OVER THE MOUNTAINS OF BRITISH HONDURAS. ALL PERSONS IN AREAS SUBJECT TO INUNDATION BY THE INDICATED HIGH TIDES OR FLOODING SHOULD MOVE TO PLACES OF SAFETY IMMEDIATELY.

SMALL CRAFT IN THE GULF OF HONDURAS AND ALONG THE EASTERN YUCATAN COAST SHOULD REMAIN IN SAFE HARBOR.

THE NEXT ADVISORY ON HURRICANE ANNA WILL BE ISSUED BY THE MIAMI WEATHER BUREAU AT 11PM EST.

MOOR WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 17 ANNA 11 PM EST 23 JULY 1961.

HURRICANE FORCE WINDS WITH TIDES 7 TO 10 FEET ABOVE NORMAL EXPECTED ALONG BRITISH HONDURAS COAST SOUTH OF BELIZE EARLY MONDAY MORNING. PERSONS ALONG THE COAST IN THIS AREA SHOULD MOVE TO PLACES OF SAFETY. INTERESTS ALONG THE GUATEMALAN AND HONDURAN COAST WEST OF THE HURRICANE CENTER SHOULD CONTINUE ALL PRECAUTIONS AGAINST GALE WINDS AND ROUGH SEAS.

HURRICANE ANNA WAS ABOUT 100 STATUTE MILES SOUTHEAST OF BELIZE BRITISH HONDURAS AT 11 PM EST...0400Z... NEAR LATITUDE 16.3 NORTH LONGITUDE 87.4 WEST MOVING WEST TO WESTNORTHWEST 13 MPH. ANNA IS FORECAST TO CONTINUE IN THE SAME DIRECTION AND SPEED WITH LITTLE CHANGE IN SIZE AND INTENSITY UNTIL THE CENTER REACHES LAND IN THE MONKEY RIVER MANGO CREEK AREA SOME 75 MILES SOUTH OF BELIZE AROUND DAYBREAK MONDAY.

HIGHEST WINDS ARE ESTIMATED 90 MPH OVER A SMALL AREA NEAR THE CENTER WITH GALES EXTENDING OUTWARD 150 STATUTE MILES IN THE NORTHERN SEMICIRCLE AND SOUTHWARD TO THE COAST OF GUATEMALA AND HONDURAS. ANNA WILL LOSE INTENSITY OVER THE YUCATAN PENINSULA MONDAY.

HEAVY RAINS WILL CAUSE SOME FLASH FLOODING IN THE HILLY AREAS ESPECIALLY THROUGH SOUTHERN BRITISH HONDURAS AND NORTHERN GUATEMALA.

SMALL CRAFT IN THE GULF OF HONDURAS AND ALONG THE NORTHERN YUCATAN COAST SHOULD REMAIN IN SAFE HARBOR. SHIPPING NEAR THE PATH SHOULD EXERCISE CAUTION.

AN INTERMEDIATE BULLETIN AT 2 AM EST WITH THE NEXT ADVISORY AT 5 AM EST MONDAY.

SUGG WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU BULLETIN ANNA 2AM EST MONDAY JULY 24 1961.

HURRICANE ANNA WAS NEAR THE HONDURAS COAST ABOUT 50 MILES EAST OF PUERTO CORTEZ HONDURAS AT 2AM EST MOVING SLOWLY WESTWARD.

HIGH WINDS AND TIDES ARE OCCURRING OVER THE GULF OF HONDURAS MAINLY WEST OF THE HURRICANE ALONG THE NORTHWEST COAST OF HONDURAS AND THE GUATEMALA AND BRITISH HONDURAS COASTS AND IT IS LIKELY THAT SOME PLACES WILL HAVE HURRICANE FORCE WINDS AND TIDES UP TO 10 FEET IN THESE AREAS.

HEAVY RAINS HAVE STARTED IN THIS AREA AND WILL CONTINUE FOR QUITE SOME TIME SO THAT DANGEROUS FLOODING IS LIKELY.

ALL INTERESTS AROUND THE GULF OF HONDURAS SHOULD CONTINUE ALL PRECAUTIONS AGAINST HIGH WINDS AND TIDES AND BE ALERT FOR DANGEROUS FLOODING. SMALL CRAFT AROUND EXTREME NORTHWEST CARIBBEAN SHOULD REMAIN IN SAFE HARBOR.

THE NEXT ADVISORY WILL BE ISSUED BY THE MIAMI WEATHER BUREAU AT 5AM EST.

KRAFT WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 18 ANNA 5 AM EST JULY 24 1961.

HIGH WINDS AND TIDES WITH HEAVY RAINS ARE OCCURRING OVER THE GULF OF HONDURAS AS HURRICANE ANNA CONTINUES MOVING TOWARDS THE WEST ABOUT 8 MPH. AT 5AM EST...1000Z...HURRICANE ANNA WAS ABOUT 20 MILES EAST OF MANGROVE CREEK BRITISH HONDURAS NEAR LATITUDE 16.5 LONGITUDE 88.1 AND IS EXPECTED TO MOVE INLAND THIS MORNING.

ALL INTERESTS AROUND THE GULF OF HONDURAS AND ESPECIALLY ALONG THE GUATEMALA AND NEARBY COASTAL AREAS SHOULD CONTINUE PRECAUTIONS AGAINST TIDES OF 10 FEET AND HURRICANE FORCE WINDS. HEAVY RAINS WILL CAUSE DANGEROUS FLASH FLOODS IN THIS SAME AREA AND THROUGH ALL OF BRITISH HONDURAS.

HIGHEST WINDS ARE ESTIMATED 85 MPH NEAR THE CENTER WITH GALES IN SQUALLS EXTENDING OUT 125 MILES NORTH AND 50 MILES SOUTH. AFTER MOVING INLAND HURRICANE ANNA WILL WEAKEN BUT GALES IN SQUALLS WILL CONTINUE OVER THE GULF OF HONDURAS AND NEAR THE CENTER OF HURRICANE ANNA THROUGH THE DAY.

SMALL CRAFT AROUND THE EXTREME NORTHWEST CARIBBEAN SHOULD STAY IN SAFE HARBOR THROUGH TODAY.

AN INTERMEDIATE BULLETIN WILL BE ISSUED AT 8 AM EST AND THE NEXT ADVISORY AT 11 AM EST TODAY.

KRAFT WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU BULLETIN ANNA 8 AM EST MONDAY 24 JULY 1961.

VERY HIGH TIDES STRONG WINDS AND HEAVY RAINS WERE REPORTED FROM PUNTA GORDA BRITISH HONDURAS DURING THE NIGHT.

SPARSE REPORTS INDICATE THAT ANNA WAS JUST INLAND FROM THE COAST IN THE MANGROVE CREEK PUNTA GORDA AREA OF BRITISH HONDURAS AT 8 AM EST. ROUGH TERRAIN HAS ALREADY WEAKENED THE STORM BUT SQUALLS AND HEAVY RAINS WILL CONTINUE IN THE SOUTHWESTERN GULF OF HONDURAS AREA TODAY AND DANGEROUS FLOODS ARE EXPECTED.

WINDS TIDES AND SQUALLS WILL SUBSIDE OVER THE GULF OF HONDURAS TODAY AND SMALL CRAFT THROUGHOUT THE EXTREME NORTHWEST CARIBBEAN AREA SHOULD REMAIN IN PORT MOST OF THE DAY.

THE NEXT ADVISORY WILL BE ISSUED BY THE MIAMI WEATHER BUREAU AT 11 AM EST.

KRAFT WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 19 ANNA 11AM EST JULY 24 1961.

REPORTS ALONG THE COAST OF BRITISH HONDURAS INDICATE HURRICANE ANNA MOVED INLAND THIS MORNING IN THE MANGO CREEK AREA ABOUT 75 MILES SOUTH OF BELIZE. AT 11 AM EST... 1600Z ... THE CENTER WAS ESTIMATED NEAR LATITUDE 16.5 NORTH LONGITUDE 89.0 WEST WHICH IS OVER THE MOUNTAINS OF SOUTHERN BRITISH HONDURAS OR ABOUT 80 MILES SOUTHWEST OF BELIZE. A GENERAL WESTERLY COURSE AT ABOUT 8 MPH IS EXPECTED TO CONTINUE.

HIGHEST WINDS ARE ESTIMATED 75 MPH IN SQUALLS OVER A SMALL AREA NEAR THE CENTER WITH SQUALLS EXTENDING OUTWARD SOME 80 TO 100 MILES FROM THE CENTER.

HEAVY RAINS WILL CONTINUE IN THE STORM AREA TODAY AND TONIGHT WITH FLASH FLOODS LIKELY IN HILLY AND MOUNTAINOUS AREAS OF BRITISH HONDURAS AND ADJACENT SECTIONS. SQUALLS AND TIDES WILL SUBSIDE ALONG THE COAST TODAY BUT SMALL CRAFT SHOULD REMAIN IN SAFE HARBOR UNTIL SEAS SUBSIDE.

ANNA IS EXPECTED TO BREAK UP OVER THE MOUNTAINOUS TERRAIN OF BRITISH HONDURAS AND SOUTHEASTERN MEXICO TODAY AND TONIGHT. THIS WILL BE THE LAST OFFICIAL ADVISORY.

CLARK WEATHER BUREAU MIAMI