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U. S. Weather Bureau.
Hurricane Beulah, August 20-27, 1963;
prelim. report with advisories and bulletins
issued.



U.S. WEATHER BUREAU



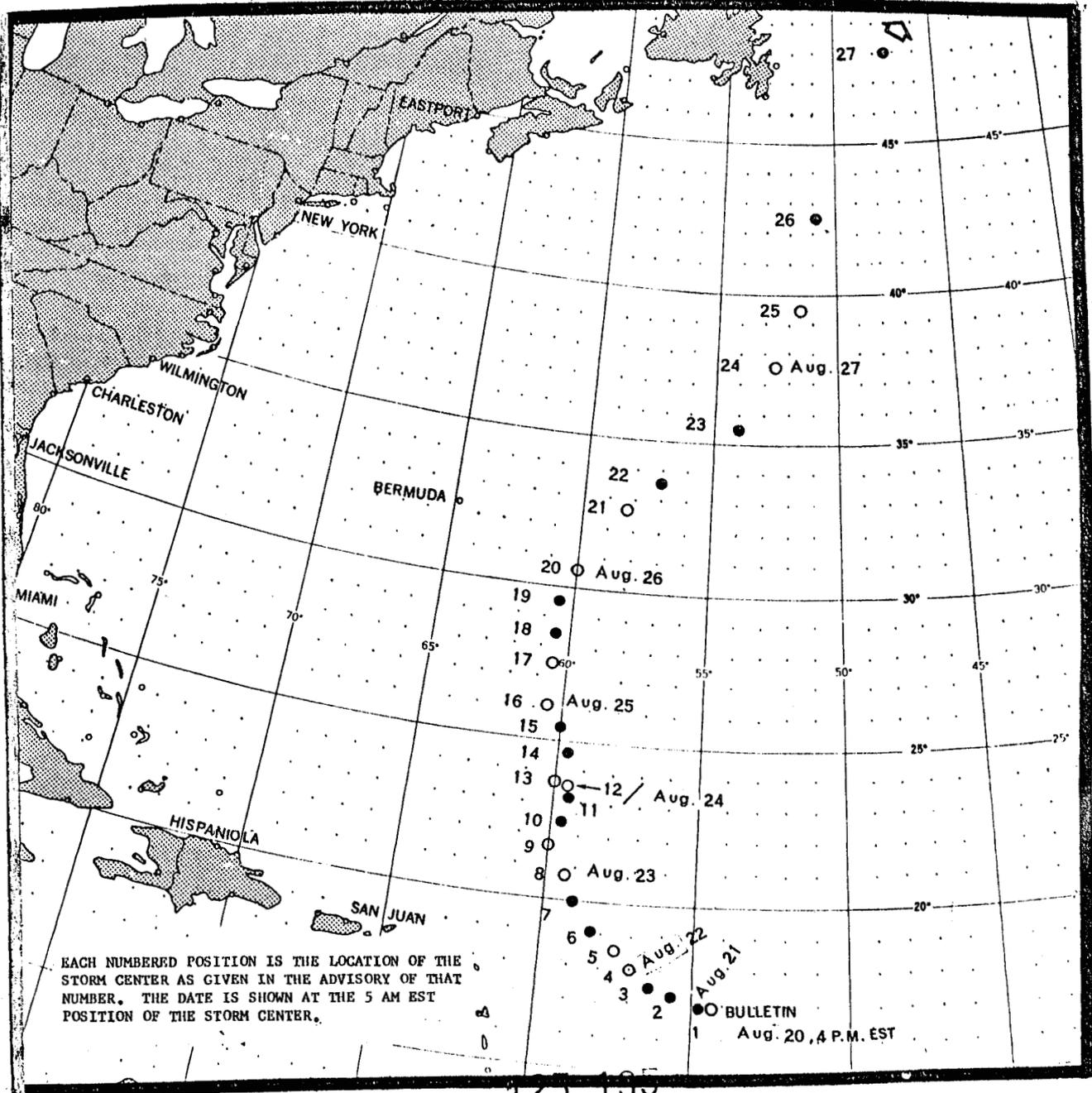
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HURRICANE BEULAH

AUGUST 20-27, 1963

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Preliminary Report with Advisories and Bulletins Issued.



National Oceanic and Atmospheric Administration Weather Bureau Hurricane Series

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PRELIMINARY REPORT ON
HURRICANE BEULAH,
AUGUST 20-27, 1963

Hurricane BEULAH, the second of the 1963 season, traveled on a broad curving track well at sea in the western North Atlantic and provided the setting for a major weather modification experiment.

A disturbance from which the hurricane later developed was detected in the Atlantic about 750 miles east of the Windward Islands on August 20. The earlier history of this disturbance is obscure because of lack of data. However, a TIROS VI photograph at 0947 GCT August 14 showed a roughly circular cloud mass near 13N 25W. On August 19 ship reports showed two possible vortices, one near 15N 40W and the other near 11N 45W. The latter may have been the cloud mass photographed by TIROS VI on the 14th.

A Navy reconnaissance flight to the vicinity of 11N 47W on the 19th found large cloud masses with no definite pattern. A second flight on August 20 showed that a circulation was developing, and the San Juan Weather Bureau issued a bulletin at 2100 GCT advising of this development. Subsequently ship and Navy reconnaissance reports showed gradual growth and intensification, and the cyclone reached hurricane intensity on the 22nd.

The hurricane moved northwestward at first, then northward along the 60th meridian to the latitude of Jacksonville. It then turned northeastward, passed east of Bermuda, crossed the main east-west shipping lanes, and lost its tropical characteristics over the cold waters east of Newfoundland.

The hurricane appears to have reached maximum intensity on August 24 when highest winds were estimated at 120 mph and central pressure dropped to about 958 millibars (28.29 inches).

"PROJECT STORMFURY" using eleven aircraft of the Navy and Weather Bureau, seeded hurricane BEULAH on Friday August 23 at 1311 EDT and on Saturday at 1211 EDT. About 800 pounds of silver iodide smoke were dispersed into the clouds surrounding the eye of the storm on each occasion, in accordance with a pre-arranged plan and design of an experiment to test the effect of seeding on hurricanes. No spectacular results were apparent during the 2-3 hours after seeding in which aircraft were monitoring changes in the storm structure. Some variations were observed in the cloud wall and in the wind field but the degree to which these were related to the seeding will not be known until the data have been fully analyzed.

No reports of damage caused by this hurricane have been received.

SAN JUAN WEATHER BUREAU BULLETIN FOR PRESS RADIO AND TV 5 PM AST AUGUST 20 1963.

NAVY RECONNAISSANCE AIRCRAFT THIS AFTERNOON INVESTIGATED AN AREA OF SQUALLY WEATHER ASSOCIATED WITH AN EASTERLY WAVE LOCATED ABOUT 750 STATUTE MILES EAST OF THE WINDWARD ISLANDS AND SOME 1100 STATUTE MILES EAST SOUTHEAST OF PUERTO RICO.

AIRCRAFT REPORTS INDICATE A WEAK CIRCULATION WITH A LARGE AREA OF CLOUDINESS AND SHOWERS. HIGHEST OBSERVED WINDS WERE ABOUT 35 MPH IN SQUALLS.

THE SQUALLY AREA IS MOVING TOWARD THE WEST AT ABOUT 15 MPH AND CONDITIONS ARE BECOMING SLIGHTLY MORE FAVORABLE FOR DEVELOPMENT. THE SITUATION WILL BE WATCHED CLOSELY AND BULLETINS ISSUED AS CONDITIONS WARRANT. DAILY RECONNAISSANCE FLIGHTS ARE PLANNED AND ANY INTENSIFICATION WILL BE REPORTED IMMEDIATELY.

HOOSF

SAN JUAN WEATHER BUREAU BULLETIN FOR PRESS RADIO AND TV 10 AM AST AUGUST 21 1963.

REPORTS FROM SURFACE VESSELS NEAR THE SQUALLY AREA IN THE TROPICAL ATLANTIC SHOW THAT IT HAS DEVELOPED INTO A TROPICAL DEPRESSION. AT 10 AM AST...1400Z...IT WAS ESTIMATED TO BE ABOUT 600 STATUTE MILES EAST OF GUADELOUPE LESSER ANTILLES OR 900 STATUTE MILES EAST SOUTHEAST OF SAN JUAN PUERTO RICO. DIRECTION AND SPEED OF MOVEMENT IS UNCERTAIN BUT IT APPEARS TO BE MOVING WESTWARD AT ABOUT 12 MPH.

HIGHEST WINDS REPORTED BY SURFACE SHIPS ARE 30 TO 35 MPH. CONDITIONS REMAIN FAVORABLE FOR FURTHER DEVELOPMENT AND SOME INCREASE IN SIZE AND INTENSITY IS LIKELY IN THE NEXT 12 TO 24 HOURS. RECONNAISSANCE AIRCRAFT ARE ENROUTE AND WILL INVESTIGATE THE AREA OF THE DEPRESSION DURING THE NEXT FEW HOURS.

ANOTHER BULLETIN WILL BE ISSUED AS SOON AS ADDITIONAL INFORMATION IS RECEIVED.

HOOSE

SAN JUAN WEATHER BUREAU TROPICAL STORM ADVISORY NUMBER 1 BEULAH 230 PM AST AUGUST 21 1963.

THE TROPICAL DEPRESSION IN THE ATLANTIC HAS INCREASED IN INTENSITY AND IS NOW TROPICAL STORM BEULAH.

FROM RECENT AIRCRAFT AND VESSEL REPORTS TODAY TROPICAL STORM BEULAH IS ESTIMATED TO BE CENTERED AT 230 PM AST...1830Z...NEAR LATITUDE 17.0N AND LONGITUDE 54.9W OR ABOUT 450 STATUTE MILES EAST OF ANTICUA LEEWARD ISLANDS AND 750 STATUTE MILES EAST SOUTHEAST OF SAN JUAN PUERTO RICO. IT APPEARS TO BE MOVING TOWARD THE WEST NORTHWEST AT ABOUT 13 MPH AND IS EXPECTED TO MAINTAIN THE SAME DIRECTION AND SPEED FOR THE NEXT 12 TO 24 HOURS.

HIGHEST WINDS ARE ESTIMATED TO BE 50 MPH WITHIN 25 MILES OF THE CENTER AND GALE FORCE WINDS EXTEND 200 MILES IN THE NORTH AND EAST QUADRANTS AND 75 MILES IN THE SOUTHWEST QUADRANT.

CONDITIONS ARE SLIGHTLY MORE FAVORABLE FOR FURTHER DEVELOPMENT AND A SLOW INCREASE IN SIZE AND INTENSITY OF BEULAH IS EXPECTED DURING THE NEXT 24 HOURS.

INTERESTS IN THE LEEWARD ISLANDS SHOULD KEEP IN TOUCH WITH THE LATEST ADVISORIES AND BULLETINS.

VESSELS IN THE PROJECTED PATH OF TROPICAL STORM BEULAH SHOULD EXERCISE CAUTION AND SMALL CRAFT IN THE LEEWARD ISLANDS SHOULD NOT VENTURE FAR FROM PORT.

THE NEXT REGULAR ADVISORY ON TROPICAL STORM BEULAH WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 6 PM AST...2200Z. BULLETINS WILL BE ISSUED AS CONDITIONS WARRANT.

HIGGS

SAN JUAN WEATHER BUREAU TROPICAL STORM ADVISORY NUMBER 2 BEULAH 6 PM AST AUGUST 21 1963.

LATEST REPORTS INDICATE THAT TROPICAL STORM BEULAH WAS LOCATED AT 6 PM AST...2200Z...NEAR LATITUDE 17.2N LONGITUDE 55.6W ABOUT 400 STATUTE MILES EAST OF ANTIGUA LEEWARD ISLANDS AND 700 STATUTE MILES EAST SOUTHEAST OF SAN JUAN PUERTO RICO. THE STORM CONTINUES TO MOVE TOWARD THE WEST NORTHWEST AT 13 MPH AND IS EXPECTED TO CONTINUE MOVING THE SAME DIRECTION AND AT THE SAME SPEED FOR THE NEXT 12 TO 24 HOURS.

HIGHEST WINDS ARE ESTIMATED TO BE 50 MPH OVER A SMALL AREA WITHIN 25 MILES OF THE CENTER. GALE FORCE WINDS EXTEND OUTWARD 200 MILES IN THE NORTH AND EAST QUADRANTS AND 75 MILES IN THE SOUTHWEST QUADRANT.

BEULAH IS IN A DEVELOPMENTAL STAGE. CONDITIONS CONTINUE FAVORABLE FOR A SLOW INCREASE IN SIZE AND INTENSITY DURING THE NEXT 24 HOURS.

ALL INTERESTS IN THE LEEWARD ISLANDS SHOULD KEEP IN TOUCH WITH THE LATEST ADVISORIES AND BULLETINS AND SMALL CRAFT IN THE LEEWARD ISLANDS SHOULD NOT VENTURE FAR FROM PORT.

THE NEXT REGULAR ADVISORY ON TROPICAL STORM BEULAH WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 12 MIDNIGHT AST...0400Z...AND A BULLETIN WILL BE ISSUED AT 9 PM AST.

HOOSE

SAN JUAN WEATHER BUREAU BULLETIN TROPICAL STORM BEULAH FOR PRESS RADIO AND TV 9 PM AUGUST 21 1963.

LATEST REPORTS INDICATE THAT TROPICAL STORM BEULAH WAS CENTERED NEAR 17.5 NORTH LATITUDE AND 56.0 WEST LONGITUDE AT 9 PM... 0100Z...IT IS ABOUT 360 MILES EAST OF BARBUDA AND ABOUT 650 MILES EAST OF SAN JUAN PUERTO RICO. IT IS APPARENTLY MOVING ON A COURSE BETWEEN WEST NORTHWEST AND NORTHWEST AT A SPEED OF 13 MPH. IT IS EXPECTED TO CONTINUE MOVING IN THE SAME DIRECTION AND AT THE SAME SPEED FOR THE NEXT 12 HOURS.

HIGHEST WINDS ARE ESTIMATED TO BE 50 MPH OVER A SMALL AREA NEAR THE CENTER. GUSTS REACHING GALE FORCE EXTEND OUTWARD 200 MILES IN THE NORTH AND EAST QUADRANTS AND 75 MILES TO THE SOUTHWEST.

CONDITIONS FAVOR A SLOW INCREASE IN SIZE AND INTENSITY OVER THE NEXT 12 HOURS.

ALL INTERESTS IN THE LEEWARD ISLANDS FROM ANTIGUA NORTH AND EASTWARD SHOULD KEEP IN TOUCH WITH THE LATEST ADVISORIES AND BULLETINS. SMALL CRAFT IN THIS AREA SHOULD NOT VENTURE FAR FROM PORT.

THE NEXT REGULAR ADVISORY ON TROPICAL STORM BEULAH WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 12 MIDNIGHT...0400Z.

HURLEY

SAN JUAN WEATHER BUREAU TROPICAL STORM ADVISORY NUMBER 3 BEULAH 12 MIDNIGHT AST AUGUST 22 1963.

RECENT SHIP REPORTS INDICATE THAT TROPICAL STORM BEULAH IS CENTERED NEAR LATITUDE 17.5 NORTH LONGITUDE 56.2 WEST AT 12 MIDNIGHT AST...0400Z. THIS IS ABOUT 350 STATUTE MILES EAST OF ANTIGUA AND ABOUT 640 MILES EAST OF SAN JUAN PUERTO RICO. IT IS MOVING NORTHWEST AT ABOUT 12 MPH AND IS EXPECTED TO CONTINUE ON THIS COURSE AT THE SAME RATE OF SPEED FOR THE NEXT 12 HOURS.

HIGHEST WINDS ARE ESTIMATED TO BE 50 MPH IN A SMALL AREA NEAR THE CENTER AND GALE WINDS EXTEND OUTWARD 200 MILES IN THE NORTH AND EAST QUADRANT AND 75 MILES TO THE SOUTHWEST.

FROM THE FEW REPORTS AVAILABLE AT MIDNIGHT THE STORM APPEARS TO BE INTENSIFYING. RECONNAISSANCE AIRCRAFT WILL BE OUT EARLY TOMORROW MORNING TO PROVIDE MORE COMPLETE INFORMATION.

INTERESTS IN THE LEEWARD ISLANDS FROM ANTIGUA NORTH AND EASTWARD SHOULD BE ON THE ALERT FOR THE LATEST ADVISORIES AND BULLETINS. SMALL CRAFT IN THIS AREA SHOULD NOT VENTURE FAR FROM PORT.

SHIPS IN THE VICINITY OF TROPICAL STORM BEULAH SHOULD EXERCISE CAUTION.

THE NEXT REGULAR ADVISORY ON THIS STORM WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 6 AM AST...1000Z. BULLETINS WILL BE ISSUED AS CONDITIONS WARRANT.

HURLEY

SAN JUAN WEATHER BUREAU TROPICAL STORM ADVISORY NUMBER 4 BEULAH 6 AM AST AUGUST 22 1963.

AT 6 AM AST...1000Z...TROPICAL STORM BEULAH WAS CENTERED NEAR LATITUDE 18.0N LONGITUDE 57.0W OR ABOUT 600 STATUTE MILES EAST OF SAN JUAN PUERTO RICO. IT IS MOVING BETWEEN WEST NORTHWEST AND NORTHWEST AT ABOUT 12 MPH AND IS EXPECTED TO CONTINUE IN ABOUT THE SAME DIRECTION AND AT THE SAME SPEED FOR THE NEXT 6 TO 12 HOURS.

HIGHEST WINDS ARE ESTIMATED TO BE ABOUT 55 MPH OVER A SMALL AREA NEAR THE CENTER AND GALE FORCE WINDS EXTEND OUTWARD 200 MILES TO THE NORTH AND EAST AND ABOUT 75 MILES TO THE SOUTHWEST.

CONDITIONS REMAIN FAVORABLE FOR A GRADUAL INCREASE IN SIZE AND INTENSITY OVER THE NEXT 24 HOURS. RECONNAISSANCE AIRCRAFT WILL BE IN THE STORM AREA THIS MORNING AND WILL KEEP BEULAH UNDER SURVEILLANCE DURING THE DAY.

ALL INTERESTS IN THE NORTHERN LEEWARD ISLANDS SHOULD REMAIN ON THE ALERT FOR LATEST ADVISORIES AND BULLETINS. SMALL CRAFT FROM ANTIGUA NORTHWARD SHOULD NOT VENTURE FAR FROM PORT.

THE NEXT REGULAR ADVISORY ON TROPICAL STORM BEULAH WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 12 NOON AST AND BULLETINS WILL BE ISSUED AS CONDITIONS WARRANT.

HOOSE

SAN JUAN WEATHER BUREAU BULLETIN TROPICAL STORM BEULAH FOR PRESS RADIO AND TV 10 AM AST AUGUST 22 1963.

LATEST NAVY RECONNAISSANCE AIRCRAFT REPORTS INDICATE THAT TROPICAL STORM BEULAH HAS BEEN MOVING AT THE SAME OR A SLIGHTLY SLOWER SPEED DURING THE NIGHT AND AT 10 AM AST...1400Z...WAS LOCATED ABOUT 570 STATUTE MILES EAST OF SAN JUAN PUERTO RICO. THE STORM IS APPARENTLY MOVING ON A COURSE BETWEEN WEST NORTHWEST AND NORTHWEST AT A SPEED OF ABOUT 10 TO 12 MPH AND IS EXPECTED TO CONTINUE MOVING IN THE SAME DIRECTION AND AT THE SAME SPEED FOR THE NEXT 6 TO 12 HOURS.

HIGHEST WINDS ARE ESTIMATED TO BE ABOUT 55 MPH OVER A SMALL AREA NEAR THE CENTER AND GALE FORCE WINDS EXTEND OUTWARD 200 MILES TO THE NORTH AND EAST AND ABOUT 75 MILES TO THE SOUTHWEST.

CONDITIONS REMAIN FAVORABLE FOR A GRADUAL INCREASE IN SIZE AND INTENSITY FOR THE NEXT 12 HOURS.

ALL INTERESTS IN THE NORTHERN LEEWARD ISLANDS SHOULD REMAIN ON THE ALERT FOR LATEST ADVISORIES AND BULLETINS. SMALL CRAFT IN THIS AREA SHOULD NOT VENTURE FAR FROM PORT.

THE NEXT REGULAR ADVISORY ON TROPICAL STORM BEULAH WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 12 NOON AST.

MILLER

SAN JUAN WEATHER BUREAU HURRICANE ADVISORY NUMBER 5 BEULAH 12 NOON AST AUGUST 22 1963.

NAVY RECONNAISSANCE AIRCRAFT PENETRATED THE CENTER OF BEULAH THIS MORNING AND FOUND THAT THE STORM HAD INCREASED TO HURRICANE INTENSITY AT 12 NOON AST...1600Z...HURRICANE BEULAH WAS CENTERED NEAR LATITUDE 18.4N AND LONGITUDE 57.7W OR ABOUT 550 STATUTE MILES EAST OF SAN JUAN PUERTO RICO. BEULAH IS MOVING BETWEEN WEST NORTHWEST AND NORTHWEST AT ABOUT 12 MPH AND IS EXPECTED TO CONTINUE MOVING IN THE SAME DIRECTION AND AT ABOUT THE SAME SPEED FOR THE NEXT 12 HOURS.

HIGHEST WINDS ARE ESTIMATED TO BE ABOUT 75 MPH OVER A SMALL AREA NEAR THE CENTER AND GALE FORCE WINDS EXTEND OUTWARD 200 MILES TO THE NORTH AND ABOUT 75 MILES TO THE SOUTH. A GRADUAL INCREASE IN SIZE AND INTENSITY IS EXPECTED DURING THE NEXT 12 TO 24 HOURS.

ALL INTERESTS IN THE NORTHERN LEEWARD ISLANDS SHOULD REMAIN ON THE ALERT FOR LATEST ADVISORIES AND BULLETINS. SMALL CRAFT IN THIS AREA SHOULD REMAIN IN PORT. SHIPPING IN THE PATH OF THE HURRICANE SHOULD EXERCISE CAUTION.

THE NEXT REGULAR ADVISORY ON HURRICANE BEULAH WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 6 PM AST...2200Z... AND A BULLETIN WILL BE ISSUED AT 3 PM AST.

MILLER

SAN JUAN WEATHER BUREAU HURRICANE BULLETIN FOR PRESS RADIO AND TELEVISION 3 PM AUGUST 22 1963.

LATEST INFORMATION FROM SHIPS AND AIRCRAFT IN THE VICINITY OF HURRICANE BEULAH THIS AFTERNOON INDICATES THAT IT IS CENTERED NEAR LATITUDE 18.6N AND LONGITUDE 58.1W OR ABOUT 320 STATUTE MILES EAST OF SINT MAARTEN IN THE LEEWARD ISLANDS AND 520 STATUTE MILES EAST OF SAN JUAN PUERTO RICO. IT CONTINUES MOVING BETWEEN WEST NORTHWEST AND NORTHWEST AT ABOUT 12 MPH AND IS FORECAST TO CONTINUE IN THE SAME DIRECTION AND AT THE SAME SPEED FOR THE NEXT 12 HOURS.

HIGHEST WINDS ARE ESTIMATED AT 75 TO 80 MPH NEAR THE CENTER AND GALES EXTEND OUTWARD FROM THE CENTER 200 MILES IN THE NORTH AND ABOUT 75 MILES IN THE SOUTH. BEULAH IS NOW MOVING OVER WARMER SURFACE WATER AND A GRADUAL INCREASE IN SIZE AND INTENSITY IS EXPECTED DURING THE NEXT 24 HOURS.

ALL INTERESTS IN THE EXTREME NORTHERN LEEWARD ISLANDS SHOULD CONTINUE TO KEEP IN TOUCH WITH THE LATEST ADVISORIES AND BULLETINS. SMALL CRAFT IN NORTHERN LEEWARDS SHOULD REMAIN IN PORT.

THE NEXT REGULAR ADVISORY ON HURRICANE BEULAH WILL BE ISSUED AT 6 PM AST...2200Z...AND BULLETINS WILL BE ISSUED AS CONDITIONS WARRANT.

HIGGS

SAN JUAN WEATHER BUREAU HURRICANE ADVISORY NUMBER 6 BEULAH 6 PM AST AUGUST 22 1963.

AIRCRAFT AND VESSEL REPORTS THIS AFTERNOON INDICATE THAT HURRICANE BEULAH IS CENTERED AT 6 PM AST...2200Z...NEAR LATITUDE 19.0N AND LONGITUDE 58.3W OR ABOUT 500 STATUTE MILES EAST OF SAN JUAN PUERTO RICO. IT IS MOVING BETWEEN WEST NORTHWEST AND NORTHWEST ABOUT 12 MPH AND IS EXPECTED TO CONTINUE IN THE SAME DIRECTION AND AT THE SAME SPEED FOR THE NEXT 6 TO 12 HOURS.

HIGHEST WINDS ARE ESTIMATED TO BE 80 MPH OVER A SMALL AREA NEAR THE CENTER AND GALE WINDS EXTEND OUTWARD FROM THE CENTER 200 MILES IN THE NORTH AND EAST QUADRANTS AND 75 MILES IN THE SOUTHWEST QUADRANT. CONDITIONS REMAIN FAVORABLE FOR A GRADUAL INCREASE IN SIZE AND INTENSITY DURING THE NEXT 12 HOURS. LOWEST CENTRAL PRESSURE IS ABOUT 29.35 INCHES.

ON ITS PRESENT COURSE HURRICANE BEULAH SHOULD PASS ABOUT 175 MILES NORTHEAST OF SINT MAARTEN LEEWARD ISLANDS LATE FRIDAY AFTERNOON AND NO STRONG WINDS ARE EXPECTED TO AFFECT THAT AREA BUT HIGH SURF MIGHT INUNDATE LOW LYING BEACHES AND CAUTION IS ADVISED.

THE PEOPLE IN THE EXTREME NORTHERN LEEWARDS SHOULD REMAIN ON THE ALERT FOR THE LATEST ADVISORIES AND BULLETINS.

SHIPPING IN THE PROJECTED PATH OF HURRICANE BEULAH SHOULD EXERCISE CAUTION. SMALL CRAFT IN THE LEEWARD ISLANDS SHOULD REMAIN IN PORT.

THE NEXT REGULAR ADVISORY WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT MIDNIGHT AST...0400Z...AND A BULLETIN WILL BE ISSUED AT 9 PM.

HIGGS

SAN JUAN WEATHER BUREAU HURRICANE BULLETIN FOR PRESS RADIO AND TELEVISION 9 PM AST AUGUST 22 1963.

LATEST INFORMATION FROM RECONNAISSANCE AIRCRAFT INDICATES THAT HURRICANE BEULAH IS CONTINUING ON A NORTHWESTERLY COURSE AT ABOUT 12 MPH. AT 9 PM AST IT WAS ESTIMATED TO BE CENTERED NEAR LATITUDE 19.3N LONGITUDE 58.6W. THIS POSITION IS ABOUT 300 STATUTE MILES EAST NORTHEAST OF SINT MAARTEN IN THE LEEWARD ISLANDS AND 440 STATUTE MILES EAST OF SAN JUAN PUERTO RICO.

HIGHEST WINDS ARE ESTIMATED TO BE 80 MPH OVER A SMALL AREA NEAR THE CENTER AND GALES EXTEND OUTWARD 200 MILES TO THE NORTH AND EAST AND 75 MILES TO THE SOUTHWEST. ALTHOUGH SOME INCREASE IN SIZE AND INTENSITY IS POSSIBLE THE EXPECTED COURSE OF HURRICANE BEULAH WILL CARRY IT SUFFICIENTLY TO THE NORTH OF ALL CARIBBEAN LAND AREAS SO THAT THERE IS NO DANGER FROM HIGH WINDS. HEAVY SWELLS ARE LIKELY IN THE NORTHERN LEEWARD ISLANDS HOWEVER AND CAUTION IS ADVISED. PEOPLE LIVING IN BEACH AREAS IN THE NORTHERN LEEWARD ISLANDS SHOULD CONTINUE TO CHECK LATEST ADVISORIES AND BULLETINS. SMALL CRAFT SHOULD REMAIN IN PORT.

THE NEXT REGULAR ADVISORY ON HURRICANE BEULAH WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 12 MIDNIGHT AST.

DAVIS

SAN JUAN WEATHER BUREAU HURRICANE ADVISORY NUMBER 7 BEULAH 12 MIDNIGHT AUGUST 23 1963.

RECONNAISSANCE AIRCRAFT PENETRATED THE EYE OF HURRICANE BEULAH DURING THE EVENING AND AT 12 MIDNIGHT AST...0400Z...IT WAS ESTIMATED TO BE CENTERED NEAR LATITUDE 20.0N LONGITUDE 59.0W OR ABOUT 470 STATUTE MILES EAST NORTHEAST OF SAN JUAN PUERTO RICO. IT IS MOVING TOWARD THE NORTHWEST AT ABOUT 12 MPH. INDICATIONS ARE THAT IT WILL CONTINUE ON ITS PRESENT COURSE AT THE SAME SPEED FOR THE NEXT 12 HOURS.

LITTLE CHANGE HAS OCCURRED IN THE WIND FIELD SURROUNDING THE HURRICANE. HIGHEST WINDS ARE ABOUT 80 MPH OVER A SMALL AREA NEAR THE CENTER AND GALES EXTEND OUTWARD 200 MILES IN THE NORTH AND EAST QUADRANTS AND 75 MILES TO THE SOUTHWEST. NO SIGNIFICANT CHANGE IS EXPECTED IN EITHER SIZE OR INTENSITY DURING THE NEXT 12 HOURS.

THE PRESENT COURSE OF HURRICANE BEULAH WILL CARRY IT WELL NORTH OF ALL CARIBBEAN LAND AREAS. IT IS EXPECTED TO PASS ABOUT 275 MILES TO THE NORTHEAST OF SINT MAARTEN IN THE LEEWARD ISLANDS FRIDAY AFTERNOON. CONSEQUENTLY THERE IS NO DANGER FROM HIGH WINDS AT ANY OF THE CARIBBEAN ISLANDS. HEAVY SWELLS FROM THE HURRICANE ARE STILL POSSIBLE HOWEVER AND CAUTION IS ADVISED. PEOPLE LIVING IN BEACH AREAS IN THE NORTHERN LEEWARD ISLANDS SHOULD CONTINUE TO CHECK LATEST ADVISORIES.

SHIPPING IN THE PATH OF HURRICANE BEULAH SHOULD EXERCISE CAUTION AND SMALL CRAFT IN THE NORTHERN LEEWARD ISLANDS SHOULD REMAIN IN PORT.

THE NEXT REGULAR ADVISORY ON HURRICANE BEULAH WILL BE ISSUED BY THE MIAMI WEATHER BUREAU AT 5 AM EST...1000Z.

DAVIS

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 8 BEULAH 5 AM EST AUGUST 23 1963.

RECONNAISSANCE AIRCRAFT HAVE BEEN OBSERVING HURRICANE BEULAH DURING THE NIGHT AND AT 5 AM EST...1000Z...THE CENTER WAS LOCATED NEAR LATITUDE 20.8 NORTH LONGITUDE 59.2 WEST.

THIS POSITION IS ABOUT 460 STATUTE MILES EAST NORTHEAST OF SAN JUAN PUERTO RICO. THE HURRICANE IS MOVING TOWARDS THE NORTHWEST AT ABOUT 12 MPH.

HIGHEST WINDS ARE ESTIMATED 85 MPH OVER A SMALL AREA NEAR THE CENTER. GALES EXTEND OUTWARD ABOUT 225 MILES TO THE NORTH AND EAST AND 75 MILES TO THE SOUTHWEST OF THE CENTER.

BEULAH IS EXPECTED TO CONTINUE TOWARDS THE NORTHWEST AT ABOUT 12 MPH DURING THE NEXT 12 TO 18 HOURS WITH NO MARKED CHANGE IN SIZE OR INTENSITY.

THIS COURSE WILL CARRY THE HURRICANE WELL NORTH OF ALL THE CARIBBEAN ISLANDS AND THERE IS NO DANGER OF HIGH WINDS IN THOSE AREAS. HOWEVER PEOPLE IN THE NORTHERN LEEWARD ISLANDS SHOULD CONTINUE PRECAUTIONS AGAINST THE POSSIBILITY OF HEAVY SWELLS AND KEEP IN TOUCH WITH LATEST ADVISORIES.

SHIPPING IN THE PATH OF THE HURRICANE SHOULD EXERCISE CAUTION AND SMALL CRAFT IN THE NORTHERN LEEWARD ISLANDS SHOULD REMAIN IN PORT.

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

MOORE

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MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 9 BEULAH 11 AM EST AUGUST 23 1963.

RECONNAISSANCE AIRCRAFT LOCATED HURRICANE BEULAH BY RADAR AT 11 AM EST...1600Z...NEAR LATITUDE 21.8 NORTH LONGITUDE 60.0 WEST. THIS POSITION IS ABOUT 460 STATUTE MILES NORTHEAST OF SAN JUAN PUERTO RICO AND 785 MILES SOUTHEAST OF BERMUDA. THE HURRICANE CONTINUES ON A NORTHWESTWARD COURSE AT ABOUT 12 MPH.

THE WIND FIELD AROUND THE HURRICANE CENTER HAS NOT BEEN CHECKED AS YET THIS MORNING AND HIGHEST WINDS ARE ESTIMATED AT ABOUT 90 MPH OVER A SMALL AREA NEAR THE CENTER. GALES EXTEND OUTWARD ABOUT 225 MILES TO THE NORTH AND EAST AND 115 MILES TO THE SOUTH AND WEST. THE CENTRAL PRESSURE REPORTED DURING THE NIGHT WAS 977 MBS OR 28.85 INCHES.

BEULAH IS EXPECTED TO CONTINUE TOWARD THE NORTHWEST AT ABOUT 12 MPH DURING THE NEXT 12 TO 18 HOURS WITH SOME FURTHER GRADUAL INTENSIFICATION LIKELY.

THIS COURSE WILL CARRY THE HURRICANE WELL NORTH OF ALL THE CARIBBEAN ISLANDS AND EAST OF THE BAHAMAS AND THERE IS NO DANGER OF HIGH WINDS IN THOSE AREAS. HOWEVER PEOPLE IN THE NORTHERN LEEWARD ISLANDS SHOULD CONTINUE ON THE ALERT FOR THE POSSIBILITY OF HEAVY SWELLS APPROACHING FROM THE STORM AREA. PRESENT INDICATIONS ALSO ARE THAT THE HURRICANE WILL NOT AFFECT THE U. S. MAINLAND.

SHIPPING IN THE PATH OF THE HURRICANE SHOULD EXERCISE CAUTION AND SMALL CRAFT IN THE NORTHERN LEEWARD ISLANDS SHOULD REMAIN ON THE ALERT FOR HEAVY SEAS.

UNLESS RECONNAISSANCE OF THE STORM AREA DURING THE NEXT FEW HOURS INDICATES SIGNIFICANT CHANGES THE NEXT ADVISORY WILL BE ISSUED BY THE MIAMI WEATHER BUREAU AT 5 PM EST.

DUNN

MIAMI WEATHER BUREAU ADVISORY NUMBER 10 HURRICANE BEULAH 5 PM EST AUGUST 23 1963.

AIRCRAFT AND VESSEL REPORTS CENTER HURRICANE BEULAH AT 5 PM EST...2200Z...NEAR LATITUDE 22.5 NORTH LONGITUDE 59.5 WEST. THIS POSITION IS ABOUT 520 STATUTE MILES NORTHEAST OF SAN JUAN PUERTO RICO AND 740 MILES SOUTH SOUTHEAST OF BERMUDA. THE POSITION GIVEN IN ADVISORY NUMBER 9 FOR 11 AM EST WAS APPARENTLY TOO FAR WEST BY ABOUT 50 MILES.

THE HURRICANE IS NOW MOVING NORTH NORTHWESTERLY AT ABOUT 12 MPH. HIGHEST WINDS ARE ESTIMATED AT 90 TO 100 MPH OVER A SMALL AREA NEAR THE CENTER. GALES EXTEND OUTWARD ABOUT 225 MILES TO THE NORTH AND EAST AND 115 MILES TO THE SOUTHWEST. A CENTRAL PRESSURE WAS REPORTED DURING THE AFTERNOON OF 968 MBS OR 28.58 INCHES.

BEULAH IS EXPECTED TO CONTINUE TOWARD THE NORTH NORTHWEST AT ABOUT 12 MPH DURING THE NEXT 12 TO 18 HOURS WITH SOME FURTHER GRADUAL INTENSIFICATION LIKELY.

THERE IS NO FURTHER DANGER TO ANY OF THE CARIBBEAN ISLANDS. PRESENT INDICATIONS ARE THAT THE HURRICANE WILL MOVE ON A COURSE WHICH WILL CARRY IT WELL TO THE EAST OF THE BAHAMAS AND THAT IT WILL NOT AFFECT THE U. S. MAINLAND.

SHIPPING IN THE PATH OF HURRICANE BEULAH SHOULD EXERCISE CAUTION.

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

DUNN

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 11 BEULAH 11 PM EST AUGUST 23 1963.

SHIP REPORTS AND AIR RECONNAISSANCE THIS EVENING INDICATE THAT THE CENTER OF HURRICANE BEULAH IS NOT WELL DEFINED. AT 11 PM EST ...0400Z...THE CENTER WAS ESTIMATED TO BE NEAR LATITUDE 23.3 NORTH LONGITUDE 59.7 WEST OR ABOUT 540 MILES NORTHEAST OF SAN JUAN PUERTO RICO AND 700 MILES SOUTH SOUTHEAST OF BERMUDA. BEULAH IS MOVING TOWARDS THE NORTH NORTHWEST NEAR 10 MPH.

HIGHEST WINDS ARE ESTIMATED 100 MPH WITH HURRICANE FORCE WINDS EXTENDING OUTWARD 50 MILES IN ALL DIRECTIONS. GALES EXTEND 225 MILES TO THE NORTH AND EAST AND 115 MILES TO THE SOUTHWEST. LOWEST SEA LEVEL PRESSURE THIS EVENING WAS 962 MILLIBARS OR 28.41 INCHES.

THE HURRICANE IS EXPECTED TO CONTINUE ON A NORTH NORTHWESTERLY COURSE NEAR 10 MPH WITH NO CHANGE IN SIZE DURING THE NEXT 12 TO 18 HOURS. A VERY SLOW BUT STEADY INTENSIFICATION CONTINUES.

THERE IS NO FURTHER DANGER TO ANY OF THE CARIBBEAN ISLANDS AND PRESENT INDICATIONS ARE THAT BEULAH WILL MOVE ON A COURSE WELL TO THE EAST OF THE BAHAMAS AND WILL NOT AFFECT THE U. S. MAINLAND.

SHIPPING IN THE PATH OF THE HURRICANE SHOULD EXERCISE CAUTION AND SMALL CRAFT AT BERMUDA SHOULD NOT VENTURE FAR FROM PORT.

THE NEXT ADVISORY WILL BE ISSUED BY THE MIAMI WEATHER BUREAU AT 0500 EST...1000Z...SATURDAY.

SUGG

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 12 BEULAH 5 AM EST AUGUST 24 1963

AT 5 AM EST...1000Z...HURRICANE BEULAH WAS CENTERED NEAR LATITUDE 23.5 LONGITUDE 59.5 OR ABOUT 700 MILES SOUTH SOUTHEAST OF BERMUDA. IT IS DRIFTING TOWARD THE NORTH ABOUT 5 MPH.

HIGHEST WINDS ARE ESTIMATED 100 MPH NEAR THE CENTER AND GALES EXTEND OUT 225 MILES TO THE NORTH AND EAST AND 115 MILES TO THE SOUTHWEST.

THE HURRICANE SHOULD CONTINUE DRIFTING NORTHWARD TODAY AND PROBABLY BEGIN A TURN TO THE NORTHEAST SUNDAY. THIS WILL CARRY THE HURRICANE FAR TO SEA AND IT WILL NOT AFFECT THE US MAINLAND.

A SLOW INCREASE IN SIZE AND INTENSITY IS EXPECTED AND SHIPPING SHOULD EXERCISE CAUTION. SMALL CRAFT AROUND BERMUDA SHOULD NOT VENTURE FAR FROM PORT.

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

KRAFT

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 13 BEULAH 11 AM EST AUGUST 24 1963

SHIP REPORTS AND AIRCRAFT RECONNAISSANCE CENTER HURRICANE BEULAH AT 11 AM EST...1600Z...NEAR LATITUDE 23.9 NORTH LONGITUDE 60.0 WEST. THIS POSITION IS ABOUT 560 STATUTE MILES NORTHEAST OF SAN JUAN PUERTO RICO AND 625 MILES SOUTHSOUTHEAST OF BERMUDA. THE HURRICANE IS MOVING ON A NORTH NORTHWEST COURSE OF ABOUT 8 MPH.

HIGHEST WINDS HAVE INCREASED TO ABOUT 120 MPH IN THE STRONGEST SQUALLS NEAR THE CENTER. GALE WINDS EXTEND OUTWARD 250 STATUTE MILES IN THE EASTERN SEMICIRCLE AND 150 MILES IN THE WESTERN SEMICIRCLE. THE LOWEST PRESSURE REPORTED THIS MORNING WAS APPROXIMATELY 960 MILLIBARS OR 28.35 INCHES.

HURRICANE BEULAH IS CURRENTLY IN A VERY WEAK STEERING CURRENT AND WILL CONTINUE SO DURING THE NEXT 24 HOURS. ITS MOVEMENT WILL LIKELY BE SOMEWHAT IRREGULAR BUT PROBABLY IN A NORTHNORTHWEST TO NORTHERLY DIRECTION AT 10 MPH OR LESS. THIS WILL KEEP THE HURRICANE FAR OUT TO SEA AND IT WILL NOT AFFECT THE U S MAINLAND.

THE HURRICANE IS BELIEVED TO BE APPROACHING ITS MAXIMUM INTENSITY BUT A SLOW INCREASE IN SIZE WILL CONTINUE. ALL VESSELS IN THE PATH OF THIS NOW SEVERE HURRICANE SHOULD EXERCISE EXTREME CAUTION. SMALL CRAFT AROUND BERMUDA SHOULD NOT VENTURE FAR FROM PORT.

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

DUNN

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 14 BEULAH 5 PM EST AUGUST 24 1963

AT 5 PM EST...2200Z...HURRICANE BEULAH WAS CENTERED NEAR LATITUDE 24.8 NORTH LONGITUDE 59.8 WEST. THIS POSITION IS ABOUT 600 STATUTE MILES NORTHEAST OF SAN JUAN PUERTO RICO AND ABOUT THE SAME DISTANCE SOUTHSOUTHEAST OF BERMUDA. THE HURRICANE IS MOVING ON A NORTHERLY COURSE OF ABOUT 7 MPH.

HIGHEST WINDS CONTINUE AT ABOUT 120 MPH IN THE STRONGEST SQUALLS NEAR THE CENTER. GALE WINDS EXTEND OUTWARD 250 STATUTE MILES IN THE EASTERN SEMICIRCLE AND 150 MILES IN THE WESTERN SEMICIRCLE. THERE APPEARS TO HAVE BEEN LITTLE CHANGE IN INTENSITY DURING THE DAY.

HURRICANE BEULAH IS CURRENTLY IN A VERY WEAK STEERING CURRENT AND WILL CONTINUE SO DURING THE NEXT 12 TO 18 HOURS. IT WILL CONTINUE IN A GENERAL NORTHERLY DIRECTION AT A RATE LESS THAN 10 MPH. THE HURRICANE WILL REMAIN FAR OUT AT SEA AND WILL NOT AFFECT THE UNITED STATES MAINLAND.

ALL VESSELS IN THE PATH OF THIS SEVERE HURRICANE SHOULD EXERCISE EXTREME CAUTION. SMALL CRAFT AROUND BERMUDA SHOULD NOT VENTURE FAR FROM PORT.

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

DUNN

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 15 BEULAH 11 PM EST AUGUST 24 1963

AT 11 PM EST...0400Z...HURRICANE BEULAH WAS CENTERED NEAR LATITUDE 25.5 NORTH LONGITUDE 60.0 WEST MOVING ON A NORTHERLY COURSE OF ABOUT 7 MPH. THIS POSITION IS 550 MILES SOUTHSOUTHEAST OF BERMUDA.

HIGHEST WINDS ARE 120 MPH NEAR THE CENTER. GALES EXTEND TO 250 MILES IN THE EASTERN SEMICIRCLE AND 150 MILES IN THE WESTERN SEMICIRCLE.

LITTLE CHANGE IN SIZE OR INTENSITY IS EXPECTED AS THE HURRICANE CONTINUES ON A NORTHERLY COURSE LESS THAN 10 MPH DURING THE NEXT 12 TO 18 HOURS. BEULAH WILL REMAIN FAR AT SEA AND NOT AFFECT THE UNITED STATES MAINLAND.

ALL VESSELS IN THE PATH OF THIS SEVERE HURRICANE SHOULD EXERCISE CAUTION AND SMALL CRAFT AROUND BERMUDA SHOULD NOT VENTURE FAR FROM PORT.

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

SUGG

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 16 BEULAH 5 AM EST 25 AUGUST 1963

HURRICANE BEULAH WAS CENTERED NEAR LATITUDE 26.0 NORTH LONGITUDE 60.5 WEST OR A LITTLE OVER 500 STATUTE MILES SOUTH SOUTHEAST OF BERMUDA AT 5 AM EST...1000Z... IT CONTINUES TO MOVE TOWARD THE NORTH AT 8 MPH.

HIGHEST WINDS ARE ESTIMATED 120 MPH NEAR THE CENTER WITH GALES EXTENDING OUT 250 MILES TO THE EAST AND 150 MILES TO THE WEST OF THE CENTER.

THE HURRICANE IS EXPECTED TO CHANGE LITTLE IN SIZE OR INTENSITY AND MOVE NORTHWARD ABOUT 10 MPH TODAY AND TONIGHT.

SHIPPING SHOULD EXERCISE CAUTION. SMALL CRAFT AROUND BERMUDA SHOULD NOT VENTURE FAR FROM PORT.

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

KRAFT

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 17 BEULAH 11 AM EST AUGUST 25 1963

AT 11 AM EST...1600Z...RECONNAISSANCE AIRCRAFT LOCATED THE CENTER OF HURRICANE BEULAH NEAR LATITUDE 27.3 NORTH LONGITUDE 60.5 WEST OR ABOUT 435 STATUTE MILES SOUTHEAST OF BERMUDA. THE HURRICANE IS MOVING TOWARDS THE NORTH AT ABOUT 12 MPH. MAXIMUM WINDS HAVE DECREASED SLIGHTLY AND ARE NOW ESTIMATED 105 MPH OVER A SMALL AREA NEAR THE CENTER. GALES EXTEND OUT 250 MILES TO THE EAST AND 150 MILES TO THE WEST OF THE CENTER.

BEULAH IS EXPECTED TO CONTINUE IN A GENERAL NORTHERLY DIRECTION AT ABOUT 12 MPH TODAY AND TONIGHT WITH LITTLE CHANGE IN SIZE OR INTENSITY. IT WILL NOT AFFECT THE UNITED STATES MAINLAND.

SHIPPING IN THE PROJECTED PATH OF THE HURRICANE SHOULD EXERCISE CAUTION AND SMALL CRAFT AT BERMUDA SHOULD NOT VENTURE FAR FROM SAFE HARBOUR.

THE NEXT ADVISORY WILL BE ISSUED BY THE MIAMI WEATHER BUREAU AT 5 PM EST...2200Z.

MOORE

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 18 BEULAH 5 PM EST AUGUST 25 1963

RECONNAISSANCE AIRCRAFT TRACKING BEULAH TODAY INDICATE THAT THE HURRICANE IS CONTINUING TOWARDS THE NORTH AT ABOUT 12 MPH AND AT 5 PM EST...2200Z...WAS CENTERED NEAR LATITUDE 28.5 NORTH LONGITUDE 60.5 WEST. THIS POSITION IS ABOUT 375 MILES SOUTHEAST OF BERMUDA.

HIGHEST WINDS ARE ESTIMATED 105 MPH OVER A SMALL AREA NEAR THE CENTER AND GALES EXTEND OUT 250 MILES FROM THE CENTER IN THE NORTHEAST SEMICIRCLE AND 150 MILES IN THE SOUTHWEST SEMICIRCLE.

THE HURRICANE IS EXPECTED TO CONTINUE TOWARDS THE NORTH AT ABOUT 12 MPH DURING THE NEXT 12 TO 18 HOURS WITH LITTLE CHANGE IN SIZE OR INTENSITY.

SMALL CRAFT AT BERMUDA SHOULD REMAIN IN PORT. GALES ARE LIKELY A SHORT DISTANCE OFFSHORE MONDAY WITH THE CENTER PROBABLY PASSING SOME 200 MILES TO THE EAST IN THE AFTERNOON. THERE IS NO THREAT TO THE UNITED STATES COAST.

SHIPPING NEAR THE PROJECTED PATH OF THE HURRICANE SHOULD EXERCISE CAUTION.

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

MOORE

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 19 BEULAH 11 PM EST 25 AUGUST 1963

AT 11 PM EST...0400Z...RECONNAISSANCE AIRCRAFT LOCATED THE CENTER OF HURRICANE BEULAH AT LATITUDE 29.6 NORTH LONGITUDE 60.5 WEST OR ABOUT 325 MILES SOUTHEAST OF BERMUDA. THE HURRICANE CONTINUES ON A NORTHERLY COURSE NEAR 12 MPH.

HIGHEST WINDS ARE ESTIMATED NEAR 105 MPH OVER A SMALL AREA NEAR THE CENTER. GALES EXTEND OUT 250 MILES FROM THE CENTER IN THE NORTHEAST SEMICIRCLE AND 150 MILES TO THE SOUTHWEST.

BEULAH IS EXPECTED TO CONTINUE ON A NORTHERLY COURSE AT 12 MPH DURING THE NEXT 6 TO 12 HOURS WITH A GRADUAL TURN TO THE RIGHT ON A MORE NORTHEASTERLY COURSE AND AN INCREASE IN FORWARD SPEED TO AROUND 17 MPH DURING MONDAY. NO IMPORTANT CHANGE IN SIZE OR INTENSITY IS INDICATED.

ALTHOUGH THE CENTER OF THE HURRICANE WILL PASS WELL TO THE EAST OF BERMUDA MONDAY SMALL CRAFT SHOULD REMAIN IN PORT UNTIL SEAS SUBSIDE. SHIPPING SHOULD EXERCISE CAUTION.

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

SUGG

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 20 BEULAH 5 AM EST AUGUST 26 1963

HURRICANE BEULAH WAS A LITTLE OVER 300 STATUTE MILES EAST SOUTHEAST OF BERMUDA AT 5 AM EST...1000Z...NEAR LATITUDE 30.5 LONGITUDE 60.0 AND MOVING TOWARD THE NORTH NORTHEAST 12 MPH.

HIGHEST WINDS ARE ESTIMATED 100 MPH NEAR THE CENTER WITH GALES EXTENDING OUT 250 MILES TO THE NORTHEAST AND 150 MILES TO THE SOUTHWEST OF THE CENTER.

BEULAH IS EXPECTED TO MOVE TOWARD THE NORTH NORTHEAST AND INCREASE ITS FORWARD SPEED TODAY AND TONIGHT. NOT MUCH CHANGE IN SIZE OR INTENSITY IS INDICATED.

SMALL CRAFT AROUND BERMUDA SHOULD REMAIN IN PORT UNTIL SEAS SUBSIDE AND SHIPPING SHOULD EXERCISE CAUTION.

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

KRAFT

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 21 BEULAH 11 AM EST AUGUST 26 1963

AIRCRAFT RECONNAISSANCE LOCATED THE CENTER OF HURRICANE BEULAH AT 11 AM EST...1600Z...NEAR LATITUDE 32.7 NORTH LONGITUDE 57.2 WEST MOVING TOWARD THE NORTHEAST AT 24 MPH. THE HURRICANE HAS ACCELERATED CONSIDERABLY DURING THE LATE NIGHT AND EARLY MORNING HOURS.

HURRICANE BEULAH HAS WEAKENED SLIGHTLY AND CENTRAL PRESSURE THIS MORNING WAS 983 MILLIBARS OR 29.03 INCHES. HIGHEST WINDS ARE STILL ESTIMATED NEAR 100 MPH IN STRONGEST SQUALLS NEAR THE CENTER. GALES EXTEND OUTWARD 250 STATUTE MILES TO THE NORTHEAST AND 150 MILES TO THE SOUTHWEST.

THE HURRICANE IS EXPECTED TO CONTINUE TOWARD THE NORTHEAST DURING THE NEXT 12 HOURS WITH ONLY A SLIGHT FURTHER INCREASE IN ITS FORWARD SPEED. ABOUT THE SAME INTENSITY OR A SLIGHT DECREASE IS INDICATED. THE HURRICANE POSES NO THREAT TO ANY NORTH AMERICAN LAND AREAS.

SHIPPING IN THE PATH OF THE HURRICANE SHOULD EXERCISE CAUTION.

THE NEXT ADVISORY WILL BE ISSUED BY THE WASHINGTON WEATHER BUREAU AT 5 PM EST.

DUNN

WASHINGTON WEATHER BUREAU HURRICANE ADVISORY NUMBER 22 BEULAH 5 PM EST AUGUST 26 1963

AT 5 PM EST...2200Z...AIRCRAFT RECONNAISSANCE LOCATED THE CENTER OF HURRICANE BEULAH NEAR LATITUDE 33.7 NORTH LONGITUDE 56.0 WEST OR ABOUT 510 STATUTE MILES EAST NORTHEAST OF BERMUDA. THE HURRICANE CONTINUES ON A NORTHEASTERLY COURSE ABOUT 23 MPH.

HIGHEST WINDS ARE STILL NEAR 100 MPH AROUND THE EYE OF THE STORM AND GALES EXTEND OUTWARD 250 STATUTE MILES TO THE NORTHEAST AND 150 MILES TO THE SOUTHWEST. THE EYE HAS BECOME QUITE LARGE AND IS NOW ABOUT 80 MILES IN DIAMETER.

THE HURRICANE IS EXPECTED TO CONTINUE TOWARDS THE NORTHEAST AT ABOUT THE SAME SPEED DURING THE NEXT 12 HOURS AND SOME INCREASE IN FORWARD SPEED IS LIKELY THE FOLLOWING 12 HOURS. ABOUT THE SAME INTENSITY OR A SLIGHT DECREASE IS EXPECTED.

SHIPPING IN THE PATH OF THE HURRICANE SHOULD CONTINUE TO EXERCISE CAUTION.

THE NEXT ADVISORY WILL BE ISSUED BY THE WASHINGTON WEATHER BUREAU AT 11 PM EST.

SCHMIDT

WEATHER BUREAU WASHINGTON NATIONAL AIRPORT AUGUST 26 1963...11 PM EST...HURRICANE ADVISORY NUMBER 23 BEULAH

REPORTS FROM AIRCRAFT RECONNAISSANCE EARLIER TODAY AND SHIPS TONIGHT FORM A BASIS FOR ESTIMATING HURRICANE BEULAH CENTER POSITION AT 11 PM EST...NEAR LATITUDE 35.4 NORTH LONGITUDE 54.0 WEST OR ABOUT 650 STATUTE MILES EAST NORTHEAST OF BERMUDA. HURRICANE BEULAH CONTINUES ON A NORTHEASTERLY COURSE AT ABOUT 24 MPH.

THE HIGHEST WINDS RANGE FROM 85 TO 90 MPH NEAR THE CENTER AND GALE WINDS EXTEND OUTWARD ABOUT 250 MILES ALL QUADRANTS. THE HIGHEST WINDS ARE EXPECTED TO DECREASE DURING THE NEXT 24 HOURS AS THE HURRICANE MOVES OVER COLDER WATER AND BEGINS TO LOSE ITS TROPICAL CHARACTERISTICS.

THE HURRICANE IS FORECAST TO CONTINUE TOWARD THE NORTHEAST WITH THE FORWARD SPEED INCREASING TO 30 OR 35 MPH DURING THE NEXT 24 HOURS.

THE HURRICANE PRESENTS NO THREAT TO ANY LAND AREA BUT SHIPPING IN THE PATH OF THE HURRICANE SHOULD CONTINUE TO EXERCISE CAUTION.

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

E. HOOVER

WEATHER BUREAU WASHINGTON NATIONAL AIRPORT HURRICANE ADVISORY NUMBER 24 BEULAH 5 AM EST ...AUGUST 27 1963

REPORTS FROM SHIPS MOSTLY OUTSIDE THE MAIN CIRCULATION OF HURRICANE BEULAH WERE USED AS A BASIS FOR ESTIMATING THE CENTER POSITION AT 5 AM EST...1000Z...NEAR LATITUDE 37.5 NORTH LONGITUDE 52.5 WEST OR ABOUT 650 STATUTE MILES SOUTH SOUTHEAST OF CAPE RACE NEWFOUNDLAND. HURRICANE BEULAH CONTINUES ON A NORTHEASTERLY COURSE WITH A FORWARD SPEED ESTIMATED AT 28 MPH.

THE HIGHEST WINDS RANGE FROM 80 TO 90 MPH NEAR THE CENTER AND GALE WINDS EXTEND OUTWARD ABOUT 250 MILES IN ALL QUADRANTS. THE HIGHEST WINDS ARE EXPECTED TO DECREASE TO ABOUT 50 MPH DURING THE NEXT 24 HOURS AS THE HURRICANE MOVES OVER COLDER WATER AND LOSES ITS TROPICAL CHARACTERISTICS.

THE HURRICANE IS FORECAST TO CONTINUE MOVING TOWARD THE NORTHEAST WITH THE FORWARD SPEED INCREASING TO ABOUT 35 MPH DURING THE NEXT 24 HOURS.

SHIPPING IN THE PATH OF HURRICANE BEULAH SHOULD CONTINUE TO EXERCISE CAUTION.

THE NEXT ADVISORY WILL BE ISSUED BY THE WASHINGTON WEATHER BUREAU AT 10 AM EST.

E. HOOVER

WASHINGTON WEATHER BUREAU HURRICANE ADVISORY NUMBER 25 BEULAH...11 AM EST...AUGUST 27 1963

AIRCRAFT RECONNAISSANCE LOCATED THE CENTER OF HURRICANE BEULAH AT 11 AM EST...1600Z...NEAR LATITUDE 39.6 NORTH LONGITUDE 51.6 WEST OR ABOUT 485 STATUTE MILES SOUTH SOUTHEAST OF CAPE RACE NEWFOUNDLAND. THE STORM HAS CONTINUED ON A NORTHEASTERLY COURSE ABOUT 26 MPH.

HIGHEST WINDS ARE ESTIMATED NEAR 85 MPH NEAR THE CENTER AND GALES EXTEND OUTWARD ABOUT 260 MILES IN ALL QUADRANTS. THE EYE OF THE HURRICANE IS BECOMING POORLY DEFINED AND THE STORM IS EXPECTED TO LOSE ITS TROPICAL CHARACTERISTICS QUITE RAPIDLY DURING THE NEXT 12 HOURS AS IT MOVES OVER COLDER WATER. HIGHEST WINDS ARE EXPECTED TO DECREASE GRADUALLY BUT THE AREA OF GALES WILL REMAIN ABOUT THE SAME.

THE HURRICANE IS EXPECTED TO CONTINUE MOVING TOWARDS THE NORTHEAST AT ABOUT THE SAME SPEED DURING THE NEXT 12 HOURS AND SOME INCREASE IN FORWARD SPEED THE FOLLOWING 12 HOURS.

SHIPPING IN THE PATH OF BEULAH SHOULD CONTINUE TO EXERCISE CAUTION.

THE NEXT ADVISORY WILL BE ISSUED BY THE WASHINGTON WEATHER BUREAU AT 5 PM EST.

SCHMIDT

WASHINGTON WEATHER BUREAU HURRICANE ADVISORY NUMBER 26 BEULAH ...5 PM EST...AUGUST 27 1963

AT 5 PM EST...2200Z...HURRICANE BEULAH WAS LOCATED NEAR LATITUDE 42.5 NORTH LONGITUDE 50.9 WEST OR ABOUT 300 STATUTE MILES SOUTHEAST OF CAPE RACE NEWFOUNDLAND. THE STORM IS MOVING ON A NORTHEASTERLY COURSE ABOUT 28 MPH.

HIGHEST WINDS ARE ESTIMATED TO BE CLOSE TO 80 MPH NEAR THE CENTER AND GALES EXTEND OUTWARD ABOUT 400 STATUTE MILES TO THE NORTH AND ABOUT 290 MILES IN OTHER QUADRANTS. THE STORM IS NOW LOSING ITS TROPICAL CHARACTERISTICS AS IT MOVES OVER COLDER WATER AND HIGHEST WINDS ARE EXPECTED TO DECREASE GRADUALLY. THE AREA OF GALES WILL REMAIN ABOUT THE SAME DURING THE NEXT 12 HOURS.

BEULAH IS EXPECTED TO CONTINUE MOVING TOWARDS THE NORTHEAST DURING THE NEXT 12 TO 24 HOURS AND WITH A SLIGHT INCREASE IN FORWARD SPEED LATER TONIGHT.

SHIPPING IN THE PATH OF THE STORM SHOULD CONTINUE TO EXERCISE CAUTION.

THE NEXT ADVISORY WILL BE ISSUED BY THE WASHINGTON WEATHER BUREAU AT 11 PM EST.

SCHMIDT

WASHINGTON WEATHER BUREAU STORM ADVISORY NUMBER 27 BEULAH 11 PM EST.....AUGUST 27 1963

AT 11 PM EST...0400Z...A SEVERE STORM THE REMAINS OF HURRICANE BEULAH WAS LOCATED NEAR LATITUDE 48.0 NORTH LONGITUDE 47.5 WEST OR ABOUT 250 STATUTE MILES EAST OF EASTERN NEWFOUNDLAND. THE STORM IS MOVING ON A NORTH NORTHEASTERLY COURSE BETWEEN 35 AND 40 MPH.

HIGHEST WINDS ARE AROUND 70 MPH NEAR THE CENTER AND GALES EXTEND OUTWARD 300 TO 500 MILES FROM THE CENTER. THE HIGHEST WINDS NEAR THE CENTER SHOULD DECREASE SLOWLY TO ABOUT 60 MPH DURING THE NEXT 24 HOURS.

THE STORM IS FORECAST TO MOVE BETWEEN NORTH NORTHEAST AND NORTHEAST AT ABOUT 35 MPH DURING THE NEXT 24 HOURS TO A POSITION SOUTHEAST OF CAPE FAREWELL GREENLAND.

THIS WILL STILL BE A SEVERE STORM IN THE NORTH ATLANTIC AND SHIPPING SHOULD CONTINUE TO EXERCISE CAUTION.

SINCE THIS STORM HAS LOST ITS TROPICAL CHARACTERISTICS AND IS NO THREAT TO ANY U. S. LAND AREA THIS WILL BE THE LAST PUBLIC ADVISORY. FURTHER ADVICES ON THE STORM WILL BE INCLUDED IN THE MARINE BULLETINS ISSUED FROM WASHINGTON FOR BROADCAST OVER NSS AT 6 HOURLY INTERVALS.

E. HOOVER