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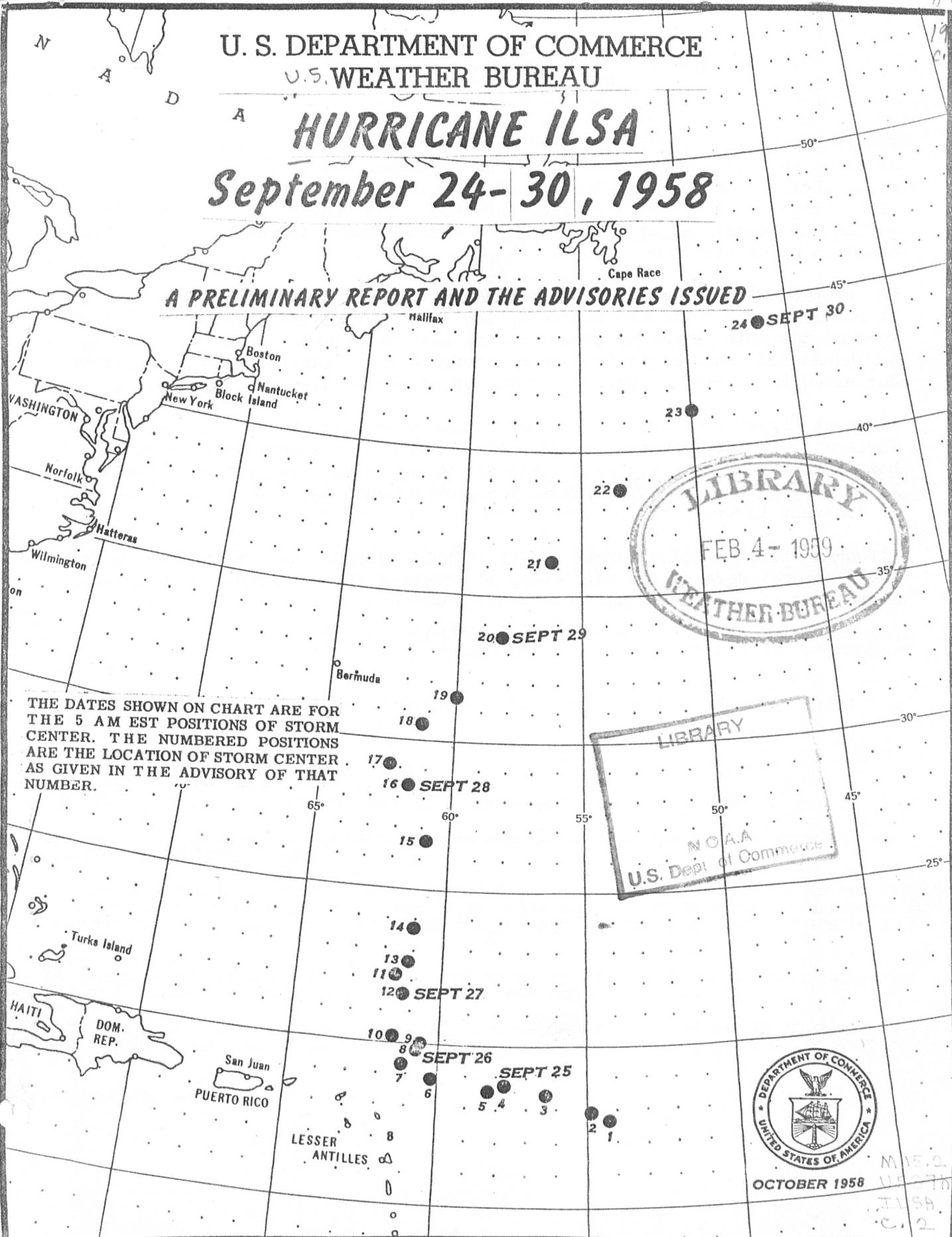
Hurricane Elsa, Sept. 24-30, 1958.

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

HURRICANE ILSA
September 24-30, 1958

A PRELIMINARY REPORT AND THE ADVISORIES ISSUED



THE DATES SHOWN ON CHART ARE FOR THE 5 AM EST POSITIONS OF STORM CENTER. THE NUMBERED POSITIONS ARE THE LOCATION OF STORM CENTER AS GIVEN IN THE ADVISORY OF THAT NUMBER.



OCTOBER 1958

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National Oceanic and Atmospheric Administration Weather Bureau Hurricane Series

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November 6, 2007

PRELIMINARY REPORT ON HURRICANE "ILSA",
SEPTEMBER 24-30, 1958

The tropical storm which developed into Hurricane "Ilsa" formed in the Atlantic east of the Leeward Islands on September 24, 1958, only one day after "Helene" had developed north of the Dominican Republic and some 900 miles closer to the North American mainland. The center of "Ilsa" was first definitely identified at 17.8 N, 54.3 W moving toward the west-northwest at about 15 miles per hour.

The tropical storm deepened and reached hurricane intensity on September 25. It recurved to a northward course during the night of the 26th and 27th just west of the 60th Meridian, passed to the east of Bermuda on the 29th, swung northeastward, and merged into an extensive North Atlantic storm circulation dominated by Hurricane "Helene" southeast of Newfoundland on September 30.

Although "Ilsa" received little public notice because it was overshadowed by "Helene's" threat to the mainland, "Ilsa" was a severe hurricane and a hazard to shipping in its path. Highest winds on the 27th and 28th reached 115 miles per hour and the central pressure dropped to 28.02 inches (949 mbs) or somewhat lower.

Although "Ilsa" posed a threat to the Leeward Islands and Puerto Rico during the first few days of its existence, it bypassed these islands to the north. No reports of loss or damage have been received.

SAN JUAN WEATHER BUREAU TROPICAL STORM ADVISORY NUMBER 1 ILSA 3 PM AST SEPTEMBER 24 1958.

TROPICAL STORM ILSA HAS DEVELOPED IN THE ATLANTIC EAST OF THE LEEWARD ISLANDS AND AT 3 PM AST...1900Z.. IT WAS ESTIMATED TO BE CENTERED NEAR LATITUDE 17.8 N LONGITUDE 54.3 W OR ABOUT 750 STATUTE MILES EAST OF SAN JUAN PUERTO RICO. IT APPEARS TO BE MOVING TOWARDS THE WESTNORTHWEST AT ABOUT 15 MPH BUT THIS DIRECTION AND SPEED IS AN ESTIMATION BASED UPON CLIMATOLOGICAL DATA.

HIGHEST WINDS ARE ESTIMATED TO BE 45 MPH IN SQUALLS NEAR THE CENTER GALE WINDS EXTEND OUTWARD 75 MILES IN THE NORTH AND EAST QUADRANTS AND A SHORT DISTANCE IN THE SOUTH QUADRANT.

TROPICAL STORM ILSA IS EXPECTED TO CONTINUE MOVING TOWARD THE WESTNORTHWEST AT ABOUT THE SAME SPEED FOR THE NEXT 6 TO 12 HOURS WITH A SLOW INCREASE IN SIZE AND INTENSITY.

VESSELS IN THE PATH OF TROPICAL STORM ILSA SHOULD EXERCISE CAUTION AND SMALL CRAFT IN THE LEEWARD ISLANDS SHOULD REMAIN IN PORT.

THE NEXT ADVISORY ON TROPICAL STORM ILSA WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 6 PM AST... 2200Z.

HIGGS WEATHER BUREAU SAN JUAN

SAN JUAN WEATHER BUREAU TROPICAL STORM ADVISORY NUMBER 2 ILSA 6 PM AST SEPTEMBER 24 1958.

ON THE BASIS OF REPORTS FROM RECONNAISSANCE AIRCRAFT AND SURFACE SHIPS TROPICAL STORM ILSA WAS LOCATED AT 6 PM AST...2200Z...NEAR LATITUDE 18.0 N LONGITUDE 54.9 W OR ABOUT 700 STATUTE MILES EAST OF SAN JUAN PUERTO RICO. IT IS APPARENTLY MOVING TOWARDS THE WESTNORTHWEST AT ABOUT 16 MPH.

HIGHEST WINDS ARE ESTIMATED TO BE 45 MILES PER HOUR IN SQUALLS NEAR THE CENTER WHILE GALE FORCE WINDS EXTEND OUTWARD 75 MILES IN THE NORTH AND EAST QUADRANTS AND 25 MILES IN THE SOUTH AND WEST QUADRANTS. TROPICAL STORM ILSA IS EXPECTED TO CONTINUE MOVING TOWARDS THE WEST NORTHWEST AT ABOUT THE SAME SPEED AND WITH A GRADUAL INCREASE IN SIZE AND INTENSITY DURING THE NEXT 12 HOURS.

SHIPS IN THE PATH OF THIS STORM SHOULD EXERCISE CAUTION AND SMALL CRAFT IN THE LEEWARD ISLANDS SHOULD REMAIN IN PORT. ALL INTERESTS IN THE LEEWARD ISLANDS SHOULD KEEP IN TOUCH WITH LATEST ADVISORIES AND BULLETINS.

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

HOOSE WEATHER BUREAU SAN JUAN

SAN JUAN WEATHER BUREAU BULLETIN FOR PRESS RADIO AND TELEVISION 9 PM AST SEPTEMBER 24 1958.

TROPICAL STORM ILSA AT 9 PM AST IS ESTIMATED TO BE ABOUT 675 MILES EAST OF SAN JUAN PUERTO RICO AND MOVING TOWARDS THE WESTNORTHWEST AT 16 MPH.

FROM AVAILABLE VESSEL REPORTS IT APPEARS TO HAVE INCREASED SLIGHTLY IN INTENSITY DURING THE PAST SEVERAL HOURS AND THE HIGHEST WINDS ARE NOW ESTIMATED TO BE 55 MPH IN SQUALLS WITHIN 25 MILES OF THE CENTER AND GALE WINDS EXTEND OUTWARD 75 MILES IN THE NORTH AND EAST QUADRANTS AND 25 MILES IN THE SOUTH AND WEST QUADRANTS.

TROPICAL STORM ILSA IS EXPECTED TO CONTINUE MOVING TOWARD THE WESTNORTHWEST AT THE SAME SPEED FOR THE NEXT 12 HOURS AND TO GRADUALLY INCREASE IN SIZE AND INTENSITY.

VESSELS IN THE PATH OF THIS STORM SHOULD EXERCISE CAUTION AND SMALL CRAFT IN THE LEEWARD ISLANDS SHOULD REMAIN IN PORT. ALL INTERESTS IN THE LEEWARD ISLANDS SHOULD KEEP IN TOUCH WITH THE LATEST INFORMATION ON THIS STORM.

HIGGS SAN JUAN WEATHER BUREAU

SAN JUAN WEATHER BUREAU TROPICAL STORM ADVISORY NUMBER 3 ILSA MIDNIGHT AST SEPTEMBER 24 1958.

FEW REPORTS HAVE BEEN RECEIVED TONIGHT FROM THE VICINITY OF TROPICAL STORM ILSA BUT AT MIDNIGHT AST ...0400Z...IT IS ESTIMATED TO BE CENTERED ABOUT 625 MILES EAST OF SAN JUAN PUERTO RICO OR NEAR LATITUDE 18.4 NORTH LONGITUDE 56.04 WEST. IT APPEARS TO BE MOVING WESTNORTHWEST AT ABOUT 16 MPH.

SHIP REPORTS INDICATE THAT TROPICAL STORM ILSA HAS INCREASED SLIGHTLY IN INTENSITY AND THE HIGHEST WINDS ARE NOW ESTIMATED TO BE 60 MPH IN SQUALLS NEAR THE CENTER AND GALE FORCE WINDS EXTEND OUTWARD 125 MILES IN THE NORTH AND EAST QUADRANTS AND 50 MILES IN THE SOUTH AND WEST QUADRANTS. IT IS EXPECTED TO CONTINUE MOVING TOWARD THE WESTNORTHWEST AT ABOUT THE SAME SPEED WITH A GRADUAL INCREASE IN SIZE AND INTENSITY DURING THE NEXT 12 HOURS.

SHIPS IN THE PATH OF THIS STORM SHOULD EXERCISE CAUTION AND SMALL CRAFT IN THE LEEWARD ISLANDS SHOULD REMAIN IN PORT. ALL INTERESTS IN THE LEEWARD ISLANDS SHOULD KEEP IN TOUCH WITH THE LATEST INFORMATION ON THIS STORM.

THE NEXT REGULAR ADVISORY ON TROPICAL STORM ILSA WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 6 A.M. AST...1000Z...AND A BULLETIN WILL BE ISSUED AT 3 AM AST...0700Z.

MCCALEB WEATHER BUREAU SAN JUAN

SAN JUAN WEATHER BUREAU BULLETIN FOR PRESS RADIO AND TELEVISION 3 AM AST SEPTEMBER 25 1958.

NO REPORTS HAVE BEEN RECEIVED FROM THE VICINITY OF TROPICAL STORM ILSA DURING THE NIGHT BUT AT 3 AM AST IT WAS ESTIMATED TO BE ABOUT 650 MILES EAST OF SAN JUAN PUERTO RICO AND APPEARS TO BE MOVING TOWARDS THE WEST NORTHWEST AT ABOUT 16 MPH.

THE STORM HAS INCREASED SLIGHTLY IN SIZE AND INTENSITY AND HIGHEST WINDS ARE ESTIMATED TO BE 60 MPH IN SQUALLS NEAR THE CENTER. GALE FORCE WINDS EXTEND OUTWARD 125 MILES IN THE NORTH AND EAST QUADRANTS AND 50 MILES IN THE SOUTH AND WEST QUADRANTS.

ILSA IS EXPECTED TO CONTINUE MOVING TOWARD THE WEST NORTHWEST AT THE SAME SPEED FOR THE NEXT 12 HOURS WITH A GRADUAL INCREASE IN SIZE AND INTENSITY.

VESSELS IN THE PATH OF THIS STORM SHOULD EXERCISE CAUTION AND SMALL CRAFT IN THE LEEWARD ISLANDS SHOULD REMAIN IN PORT. ALL INTERESTS IN THE LEEWARD ISLANDS SHOULD KEEP IN TOUCH WITH THE LATEST INFORMATION ON THIS STORM.

LEVINE SAN JUAN WEATHER BUREAU

SAN JUAN WEATHER BUREAU TROPICAL STORM ADVISORY NUMBER 4 ILSA 6 AM AST SEPTEMBER 25 1958.

GALE WARNINGS ARE IN EFFECT FOR THE LEEWARD ISLANDS FOR WINDS UP TO 50 MPH. PEOPLE IN THE LEEWARD ISLANDS SHOULD TAKE IMMEDIATE PRECAUTIONS AGAINST STRONG WINDS HIGH TIDES AND SURF AND HEAVY RAINS AND FLASH FLOODS.

A HURRICANE WATCH IS IN EFFECT FOR THE LEEWARD ISLANDS. PEOPLE IN THAT AREA SHOULD KEEP IN TOUCH WITH LATEST ADVISORIES AND BULLETINS IN CASE TROPICAL STORM ILSA INCREASES TO HURRICANE INTENSITY.

NO REPORTS HAVE BEEN RECEIVED FROM THE VICINITY OF TROPICAL STORM ILSA BUT AT 6 AM AST...1000Z...IT WAS ESTIMATED TO BE ABOUT 550 MILES EAST OF SAN JUAN PUERTO RICO OR NEAR LATITUDE 18.82 N LONGITUDE 57.8 W. IT APPEARS TO BE MOVING WEST NORTHWEST AT ABOUT 16 MPH.

THE STORM HAS INCREASED SLIGHTLY IN SIZE AND INTENSITY AND HIGHEST WINDS ARE ESTIMATED TO BE 65 MPH IN SQUALLS NEAR THE CENTER GALE FORCE WINDS EXTEND OUTWARD 135 MILES IN THE NORTH AND EAST QUADRANTS AND 60 MILES IN THE SOUTH AND WEST QUADRANTS.

ILSA IS EXPECTED TO CONTINUE MOVING WEST NORTHWEST AT THE SAME SPEED FOR THE NEXT 12 HOURS WITH A GRADUAL INCREASE IN SIZE AND INTENSITY.

VESSELS IN THE PATH OF THIS STORM SHOULD EXERCISE CAUTION AND SMALL CRAFT IN THE LEEWARD ISLANDS SHOULD REMAIN IN PORT. SMALL CRAFT IN THE VIRGIN ISLANDS AND PUERTO RICO SHOULD NOT VENTURE FAR FROM PROTECTED WATERS. ALL INTERESTS IN THE VIRGIN ISLANDS AND PUERTO RICO SHOULD KEEP IN TOUCH WITH THE LATEST INFORMATION ON THIS STORM.

THE NEXT REGULAR ADVISORY ON TROPICAL STORM ILSA WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 12 NOON AST...1600Z...AND A BULLETIN WILL BE ISSUED AT 9 AM AST...1300Z.

LEVINE WEATHER BUREAU SAN JUAN

SAN JUAN WEATHER BUREAU BULLETIN FOR PRESS RADIO AND TELEVISION 9 AM AST SEPTEMBER 25 1958.

GALE WARNINGS ARE IN EFFECT FOR THE LEEWARD ISLANDS FOR WINDS UP TO 50 MPH. PEOPLE IN THE LEEWARD ISLANDS SHOULD TAKE IMMEDIATE PRECAUTIONS AGAINST STRONG WINDS HEAVY SURF AND HEAVY RAINS. A HURRICANE WATCH CONTINUES IN EFFECT FOR THE LEEWARD ISLANDS. PEOPLE IN THAT AREA SHOULD KEEP IN TOUCH WITH LATEST INFORMATION ON TROPICAL STORM ILSA.

RECONNAISSANCE AIRCRAFT LOCATED THE EYE OF TROPICAL STORM ILSA EARLY THIS MORNING AND AT 9 AM AST... 1300Z...IT WAS ABOUT 525 MILES EAST OF SAN JUAN PUERTO RICO AND IS MOVING TOWARDS THE WEST NORTHWEST AT ABOUT 16 MPH. THE STORM IS EXPECTED TO CONTINUE MOVING TOWARD THE WEST NORTHWEST AT THE SAME SPEED FOR THE NEXT 12 HOURS. WITH THIS MOVEMENT ILSA WILL PASS APPROXIMATELY 100 MILES NORTH OF THE LEEWARD ISLANDS EARLY FRIDAY MORNING.

THE STORM HAS INCREASED SLIGHTLY IN SIZE AND INTENSITY AND HIGHEST WINDS ARE ESTIMATED TO BE 65 MPH IN SQUALLS NEAR THE CENTER. GALE FORCE WINDS EXTEND OUTWARD 135 MILES IN THE NORTH AND EAST QUADRANT AND 60 MILES IN THE SOUTH AND WEST QUADRANTS. FURTHER INCREASE IN SIZE AND INTENSITY IS EXPECTED FOR THE NEXT 12 HOURS. VESSELS IN THE PATH OF THIS STORM SHOULD EXERCISE CAUTION AND SMALL CRAFT IN THE LEEWARD ISLANDS SHOULD REMAIN IN PORT. SMALL CRAFT IN THE VIRGIN ISLANDS AND PUERTO RICO SHOULD NOT VENTURE FAR FROM PROTECTED WATERS. ALL INTERESTS IN THE VIRGIN ISLANDS AND PUERTO RICO SHOULD KEEP IN TOUCH WITH THE LATEST INFORMATION ON THIS STORM.

THE NEXT ADVISORY ON TROPICAL STORM ILSA WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 12 NOON AST ...1600Z.

LEVINE WEATHER BUREAU SAN JUAN

SAN JUAN WEATHER BUREAU HURRICANE ADVISORY NUMBER 5 ILSA 12 NOON AST SEPTEMBER 25 1958.

GALE WARNINGS CONTINUE IN EFFECT FOR THE LEEWARD ISLANDS AND PEOPLE IN THAT AREA SHOULD TAKE IMMEDIATE PRECAUTIONS AGAINST STRONG WINDS HEAVY SURF AND TORRENTIAL RAINS.

A HURRICANE WATCH REMAINS IN EFFECT FOR THE LEEWARD ISLANDS. ALL INTERESTS IN THAT AREA SHOULD KEEP IN TOUCH WITH LATEST ADVISORIES AND BULLETINS.

REPORTS FROM RECONNAISSANCE AIRCRAFT THIS MORNING INDICATE THAT ILSA HAS INCREASED TO HURRICANE INTENSITY AND AT 12 NOON AST...1600Z...IT WAS CENTERED ABOUT 500 STATUTE MILES EAST OF SAN JUAN PUERTO RICO OR AT LATITUDE 18.5 N LONGITUDE 58.4 W. IT IS NOW MOVING BETWEEN WEST AND WEST NORTHWEST AT 14 MPH. MOVEMENT DURING THE NEXT 12 HOURS IS EXPECTED TO BE BETWEEN WEST AND WEST NORTHWEST AT ABOUT THE SAME SPEED.

HIGHEST WINDS ARE ESTIMATED TO BE 75 MPH OVER A 60 MILE RADIUS FROM THE CENTER IN THE NORTHEAST SEMICIRCLE. GALE FORCE WINDS EXTEND OUTWARD 150 MILES IN THE NORTHERN SEMICIRCLE AND ABOUT 60 MILES IN THE SOUTHERN SEMICIRCLE. HURRICANE ILSA IS EXPECTED TO GRADUALLY INCREASE IN SIZE AND INTENSITY DURING THE NEXT 12 TO 24 HOURS.

VESSELS IN THE PATH OF THE HURRICANE SHOULD EXERCISE EXTREME CAUTION AND SMALL CRAFT IN THE LEEWARD ISLANDS PUERTO RICO AND THE VIRGIN ISLANDS SHOULD REMAIN IN PORT.

THE NEXT REGULAR ADVISORY ON HURRICANE ILSA WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 6 PM AST ...2200Z...AND A BULLETIN WILL BE ISSUED AT 3 PM AST...1900Z.

HOOSE WEATHER BUREAU SAN JUAN

SAN JUAN WEATHER BUREAU BULLETIN FOR PRESS RADIO AND TELEVISION 3 PM AST SEPTEMBER 25 1958.

GALE WARNINGS CONTINUE IN EFFECT FOR THE LEEWARD ISLANDS FOR WINDS UP TO 50 MPH. PEOPLE IN THE LEEWARD ISLANDS SHOULD TAKE IMMEDIATE PRECAUTIONS AGAINST STRONG WINDS HEAVY SURF AND HEAVY RAINS. A HURRICANE WATCH IS IN EFFECT FOR THE LEEWARD ISLANDS THE VIRGIN ISLANDS AND PUERTO RICO. PEOPLE IN THESE AREAS SHOULD KEEP IN TOUCH WITH THE LATEST INFORMATION ON HURRICANE ILSA.

RECONNAISSANCE AIRCRAFT LOCATED THE EYE OF HURRICANE ILSA THIS MORNING AND AT 3 PM AST...1900Z...IT WAS ABOUT 465 MILES EAST OF SAN JUAN PUERTO RICO MOVING BETWEEN WEST AND WEST NORTHWEST AT ABOUT 14 MPH. THE STORM IS EXPECTED TO CONTINUE MOVING IN THE SAME DIRECTION AT THE SAME SPEED FOR THE NEXT 12 HOURS. WITH THIS MOVEMENT ILSA WILL PASS NORTH OF THE LEEWARD ISLANDS EARLY FRIDAY MORNING.

HIGHEST WINDS ARE ESTIMATED TO BE 75 MPH WITHIN A RADIUS OF 60 MILES NORTH OF THE CENTER. GALE FORCE WINDS EXTEND OUTWARD 150 MILES IN THE NORTHERN SEMICIRCLE AND 60 MILES IN THE SOUTHERN SEMICIRCLE. GRADUAL INCREASE IN SIZE AND INTENSITY IS EXPECTED FOR THE NEXT 12 HOURS.

VESSELS IN THE PATH OF THE HURRICANE SHOULD EXERCISE EXTREME CAUTION AND SMALL CRAFT IN THE LEEWARD ISLANDS THE VIRGIN ISLANDS AND PUERTO RICO SHOULD REMAIN IN PORT.

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

DAVIS WEATHER BUREAU SAN JUAN

SAN JUAN WEATHER BUREAU HURRICANE ADVISORY NUMBER 6 ILSA 6 PM AST SEPTEMBER 25 1958.

GALE WARNINGS CONTINUE IN EFFECT FOR THE LEEWARD ISLANDS AND ARE EXTENDED TO INCLUDE THE VIRGIN ISLANDS. PEOPLE IN THESE AREAS SHOULD TAKE IMMEDIATE PRECAUTIONS AGAINST STRONG WINDS HEAVY SURF AND TORRENTIAL RAINS.

A HURRICANE WATCH IS IN EFFECT FOR THE LEEWARD ISLANDS THE VIRGIN ISLANDS AND PUERTO RICO. ALL INTERESTS IN THESE AREAS SHOULD KEEP INFORMED OF THE LATEST ADVISORIES AND BULLETINS.

RECONNAISSANCE AIRCRAFT CONTINUED THIS AFTERNOON TO PROBE HURRICANE ILSA. AT 6 PM AST...2200Z...IT WAS CENTERED ABOUT 380 STATUTE MILES EAST OF SAN JUAN PUERTO RICO OR AT LATITUDE 18.9 N LONGITUDE 60.2 W. IT IS MOVING WEST NORTHWEST AT 15 MPH. MOVEMENT DURING THE NEXT 12 HOURS IS EXPECTED TO BE WEST NORTHWEST AT ABOUT THE SAME SPEED.

HIGHEST WINDS ARE ESTIMATED TO BE 75 MPH OVER A SMALL AREA NEAR THE CENTER AND HURRICANE FORCE WINDS EXTEND OUTWARD 75 MILES IN THE NORTHEAST SEMICIRCLE AND 30 MILES IN THE SOUTHWEST SEMICIRCLE. GALE FORCE WINDS EXTEND OUTWARD 200 MILES IN THE NORTHEAST SEMICIRCLE AND 80 MILES IN THE SOUTHWEST SEMICIRCLE. HURRICANE ILSA IS EXPECTED TO INCREASE GRADUALLY IN SIZE AND INTENSITY DURING THE NEXT 12 TO 24 HOURS.

VESSELS IN THE PATH OF THE HURRICANE SHOULD EXERCISE EXTREME CAUTION AND SMALL CRAFT IN THE LEEWARD ISLANDS THE VIRGIN ISLANDS AND PUERTO RICO SHOULD REMAIN IN PORT.

THE NEXT REGULAR ADVISORY ON HURRICANE ILSA WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 12 MIDNIGHT AST...0400Z...AND A BULLETIN WILL BE ISSUED AT 9 PM AST...0100Z.

DAVIS WEATHER BUREAU SAN JUAN

SAN JUAN WEATHER BUREAU BULLETIN FOR PRESS RADIO AND TELEVISION 9 PM AST SEPTEMBER 25 1958.

GALE WARNINGS CONTINUE IN EFFECT FOR THE LEEWARD ISLANDS AND THE VIRGIN ISLANDS. PEOPLE IN THESE AREAS SHOULD TAKE IMMEDIATE PRECAUTIONS AGAINST STRONG WINDS HEAVY RAINS AND HEAVY SURF.

A HURRICANE WATCH IS IN EFFECT FOR THE LEEWARD ISLANDS THE VIRGIN ISLANDS AND PUERTO RICO. ALL INTERESTS IN THESE AREAS SHOULD KEEP IN TOUCH WITH THE LATEST ADVISORIES AND BULLETINS.

RECONNAISSANCE AIRCRAFT LOCATED THE EYE OF HURRICANE ILSA LATE THIS AFTERNOON AND AT 9 PM AST...0100Z... IT WAS ABOUT 340 MILES EAST OF SAN JUAN PUERTO RICO MOVING WEST NORTHWEST AT ABOUT 15 MPH. THE HURRICANE 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 75 MPH OVER A SMALL AREA NEAR THE CENTER AND HURRICANE FORCE WINDS EXTEND OUTWARD 75 MILES IN THE NORTHEAST SEMICIRCLE AND 30 MILES IN THE SOUTHWEST SEMICIRCLE. GALE FORCE WINDS EXTEND OUTWARD 200 MILES IN THE NORTHEAST SEMICIRCLE AND 80 MILES IN THE SOUTHWEST SEMICIRCLE. GRADUAL INCREASE IN SIZE AND INTENSITY IS EXPECTED DURING THE NEXT 12 HOURS.

SHIPS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE EXTREME CAUTION AND SMALL CRAFT IN THE LEEWARD ISLANDS THE VIRGIN ISLANDS AND PUERTO RICO SHOULD REMAIN IN PORT.

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

MCCALEB WEATHER BUREAU SAN JUAN

SAN JUAN WEATHER BUREAU HURRICANE ADVISORY NUMBER 7 ILSA MIDNIGHT AST SEPTEMBER 25 1958.

GALE WARNINGS ARE IN EFFECT FOR THE LEEWARD ISLANDS THE VIRGIN ISLANDS AND THE NORTH COAST OF PUERTO RICO. PEOPLE IN THESE AREAS SHOULD CONTINUE PRECAUTIONS AGAINST STRONG WINDS HEAVY SURF AND HEAVY RAINS.

A HURRICANE WATCH IS IN EFFECT FOR THE LEEWARD ISLANDS THE VIRGIN ISLANDS AND PUERTO RICO. ALL INTERESTS IN THESE AREAS SHOULD KEEP IN TOUCH WITH THE LATEST ADVISORIES AND BULLETINS.

RECONNAISSANCE AIRCRAFT LOCATED THE EYE OF HURRICANE ILSA TONIGHT AND AT MIDNIGHT AST...0400Z..IT WAS CENTERED ABOUT 325 STATUTE MILES EAST OF SAN JUAN PUERTO RICO OR AT LATITUDE 19.3 N LONGITUDE 61.2 W. IT IS MOVING WEST NORTHWEST AT ABOUT 12 MPH. MOVEMENT DURING THE NEXT 12 HOURS IS EXPECTED TO BE TOWARD THE WEST NORTHWEST AT ABOUT THE SAME SPEED.

HIGHEST WINDS ARE ESTIMATED TO BE 80 MPH OVER A SMALL AREA NEAR THE CENTER AND HURRICANE FORCE WINDS EXTEND OUTWARD 75 MILES IN THE NORTHEAST SEMICIRCLE AND 30 MILES IN THE SOUTHWEST SEMICIRCLE. GALE FORCE WINDS EXTEND OUTWARD 200 MILES IN THE NORTHEAST SEMICIRCLE AND 80 MILES IN THE SOUTHWEST SEMICIRCLE. GRADUAL INCREASE IN SIZE AND INTENSITY IS EXPECTED IN THE NEXT 12 HOURS.

SHIPS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE EXTREME CAUTION AND SMALL CRAFT IN THE LEEWARD ISLANDS THE VIRGIN ISLANDS AND PUERTO RICO SHOULD REMAIN IN PORT.

THE NEXT REGULAR ADVISORY ON HURRICANE ILSA WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 6 AM AST ...1000Z...AND A BULLETIN WILL BE ISSUED AT 3 AM AST...0700Z.

MCCALEB WEATHER BUREAU SAN JUAN

SAN JUAN WEATHER BUREAU BULLETIN FOR PRESS RADIO AND TELEVISION 3 AM AST SEPTEMBER 26 1958.

GALE WARNINGS CONTINUE IN EFFECT FOR THE LEEWARD ISLANDS THE VIRGIN ISLANDS AND THE NORTH COAST OF PUERTO RICO. PEOPLE IN THESE AREAS SHOULD CONTINUE PRECAUTIONS AGAINST STRONG WINDS HEAVY SURF AND HEAVY RAINS.

A HURRICANE WATCH IS IN EFFECT FOR THE LEEWARD ISLANDS THE VIRGIN ISLANDS AND PUERTO RICO. ALL INTERESTS IN THESE AREAS SHOULD KEEP IN TOUCH WITH THE LATEST ADVISORIES AND BULLETINS.

ON THE BASIS OF RECONNAISSANCE AIRCRAFT REPORTS EARLIER TONIGHT HURRICANE ILSA WAS ESTIMATED TO BE AT 3 AM AST...0700Z...ABOUT 300 MILES EAST NORTHEAST OF SAN JUAN PUERTO RICO MOVING WEST NORTHWEST AT ABOUT 12 MPH. THE HURRICANE 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 80 MPH OVER A SMALL AREA NEAR THE CENTER AND HURRICANE FORCE WINDS EXTEND OUTWARD 75 MILES IN THE NORTHEAST SEMICIRCLE AND 30 MILES IN THE SOUTHWEST SEMICIRCLE. GALE FORCE WINDS EXTEND OUTWARD 200 MILES IN THE NORTHEAST SEMICIRCLE AND 80 MILES IN THE SOUTHWEST SEMICIRCLE. GRADUAL INCREASE IN SIZE AND INTENSITY IS EXPECTED IN THE NEXT 12 HOURS.

VESSELS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE EXTREME CAUTION AND SMALL CRAFT IN THE LEEWARD ISLANDS AND THE VIRGIN ISLANDS AND PUERTO RICO SHOULD REMAIN IN PORT.

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

MILLER WEATHER BUREAU SAN JUAN

SAN JUAN WEATHER BUREAU HURRICANE ADVISORY NUMBER 8 ILSA 6 AM AST SEPTEMBER 26 1958.

GALE WARNINGS ARE IN EFFECT FOR THE LEEWARD ISLANDS THE VIRGIN ISLANDS AND THE NORTH COAST OF PUERTO RICO. PEOPLE IN THESE AREAS SHOULD CONTINUE PRECAUTIONS AGAINST HEAVY SURF AND POSSIBLE STRONG WINDS.

A HURRICANE WATCH IS IN EFFECT FOR THE LEEWARD ISLANDS THE VIRGIN ISLANDS AND PUERTO RICO. ALL INTERESTS IN THESE AREAS SHOULD KEEP IN TOUCH WITH THE LATEST ADVISORIES AND BULLETINS.

RECONNAISSANCE AIRCRAFT LOCATED THE CENTER OF HURRICANE ILSA EARLY THIS MORNING AND AT 6 AM AST... 1000Z...IT WAS CENTERED ABOUT 350 STATUTE MILES EAST NORTHEAST OF SAN JUAN PUERTO RICO OR AT LATITUDE 19.8 N LONGITUDE 60.7 W. IT IS MOVING WEST NORTHWEST AT ABOUT 10 MPH. MOVEMENT DURING THE NEXT 12 HOURS IS UNCERTAIN AS HURRICANE ILSA IS NOW MOVING AT A SLOWER RATE WHICH MAY INDICATE A FUTURE RECURVATURE TO THE NORTH. HOWEVER MOVEMENT FOR THE NEXT 6 HOURS IS EXPECTED TO CONTINUE IN A WEST NORTHWEST DIRECTION AT ABOUT 10 MPH.

HIGHEST WINDS ARE ESTIMATED TO BE 105 MPH OVER A SMALL AREA NEAR THE CENTER AND HURRICANE FORCE WINDS EXTEND OUTWARD 90 MILES IN THE NORTHEAST SEMICIRCLE AND 40 MILES IN THE SOUTHWEST SEMICIRCLE. GALE FORCE WINDS EXTEND OUTWARD 200 MILES IN THE NORTHEAST SEMICIRCLE AND 90 MILES IN THE SOUTHWEST SEMICIRCLE. LITTLE CHANGE IN SIZE AND INTENSITY IS EXPECTED IN THE NEXT 12 HOURS.

SAN JUAN WEATHER BUREAU HURRICANE ILSA BULLETIN FOR PRESS RADIO AND TELEVISION 9 AM AST SEPTEMBER 26 1958.

GALE WARNINGS CONTINUE IN EFFECT FOR THE LEEWARD ISLANDS THE VIRGIN ISLANDS AND THE NORTH COAST OF PUERTO RICO. PEOPLE IN THESE AREAS SHOULD CONTINUE PRECAUTIONS AGAINST HEAVY SURF AND POSSIBLE STRONG WINDS.

A HURRICANE WATCH CONTINUES IN EFFECT FOR THE LEEWARD ISLANDS VIRGIN ISLANDS AND PUERTO RICO. ALL INTERESTS IN THESE AREAS SHOULD KEEP IN TOUCH WITH THE LATEST INFORMATION ON HURRICANE ILSA.

ON THE BASIS OF REPORTS FROM RECONNAISSANCE AIRCRAFT THIS MORNING HURRICANE ILSA WAS LOCATED AT 9 AM AST...1300Z...ABOUT 325 MILES EAST NORTHEAST OF SAN JUAN PUERTO RICO. IT IS MOVING WEST NORTHWEST AT ABOUT 10 MPH. HURRICANE ILSA IS NOW MOVING AT A SLOWER RATE WHICH MAY INDICATE A TURN TO A MORE NORTHWESTERLY DIRECTION LATER TODAY. MOVEMENT FOR THE NEXT 6 HOURS IS EXPECTED TO BE TOWARD THE WEST NORTHWEST AT 10 MPH.

HIGHEST WINDS IN THE HURRICANE HAVE INCREASED DURING THE NIGHT AND ARE NOW ESTIMATED TO BE 105 MPH OVER A SMALL AREA NEAR THE CENTER. HURRICANE FORCE WINDS EXTEND OUTWARD 90 MILES IN THE NORTHEAST SEMICIRCLE AND 40 MILES IN THE SOUTHWEST SEMICIRCLE WHILE GALE FORCE WINDS EXTEND OUTWARD 200 MILES IN THE NORTHEAST SEMICIRCLE AND 90 MILES IN THE SOUTHWEST. HURRICANE ILSA HAS BEEN STEADILY INCREASING IN SIZE AND INTENSITY SINCE ITS DEVELOPMENT AND A FURTHER GRADUAL INCREASE IS EXPECTED DURING THE NEXT 12 HOURS.

SHIPS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE EXTREME CAUTION AND SMALL CRAFT FROM THE LEEWARD ISLAND WESTWARD TO PUERTO RICO SHOULD REMAIN IN PORT.

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

HOOSE WEATHER BUREAU SAN JUAN

SAN JUAN WEATHER BUREAU HURRICANE ADVISORY NUMBER 9 ILSA 12 NOON AST SEPTEMBER 26 1958.

GALE WARNINGS HAVE BEEN DISCONTINUED FOR THE LEEWARD ISLANDS VIRGIN ISLANDS AND NORTH COAST OF PUERTO RICO.

A HURRICANE WATCH REMAINS IN EFFECT FOR THE LEEWARD ISLANDS VIRGIN ISLANDS AND PUERTO RICO. PEOPLE IN THESE AREAS SHOULD CONTINUE TO KEEP IN TOUCH WITH THE LATEST ADVISORIES AND BULLETINS.

LATEST REPORTS FROM RECONNAISSANCE AIRCRAFT AND SURFACE SHIPS LOCATE THE CENTER OF HURRICANE ILSA AT 12 NOON AST...1600Z...NEAR LATITUDE 20.0 N LONGITUDE 60.6 W OR ABOUT 325 STATUTE MILES EAST NORTHEAST OF SAN JUAN PUERTO RICO. THE HURRICANE HAS REMAINED ALMOST STATIONARY FOR THE PAST SIX HOURS BUT APPEARS TO BE DRIFTING SLOWLY NORTHWESTWARD. FUTURE MOVEMENT IS EXPECTED TO BE TOWARD THE NORTHWEST AT ABOUT 7 MPH FOR THE NEXT 12 HOURS.

HIGHEST WINDS ARE ESTIMATED TO BE 115 MPH OVER A SMALL AREA NEAR THE CENTER AND HURRICANE FORCE WINDS EXTEND OUTWARD 100 MILES IN THE NORTHEAST SEMICIRCLE AND ABOUT 50 MILES IN THE SOUTHWEST SEMICIRCLE. GALE FORCE WINDS EXTEND OUTWARD 200 MILES IN THE NORTHEAST SEMICIRCLE AND 120 MILES TO THE SOUTHWEST. LITTLE CHANGE IN SIZE OR INTENSITY IS EXPECTED DURING THE NEXT 12 HOURS.

SHIPS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE EXTREME CAUTION AND SMALL CRAFT IN THE LEEWARD ISLANDS VIRGIN ISLANDS AND PUERTO RICO SHOULD REMAIN IN PORT UNTIL ROUGH SEAS SUBSIDE.

THE NEXT REGULAR ADVISORY ON HURRICANE ILSA WILL BE ISSUED BY THE SAN JUAN WEATHER BUREAU AT 6 PM AST ...2200Z...AND A BULLETIN WILL BE ISSUED AT 3 PM AST...1900Z.

HOOSE WEATHER BUREAU SAN JUAN

SAN JUAN WEATHER BUREAU BULLETIN FOR PRESS RADIO AND TELEVISION HURRICANE ILSA 3 PM AST SEPTEMBER 26 1958.

THE HURRICANE WATCH IS DISCONTINUED FOR THE LEEWARD ISLANDS THE VIRGIN ISLANDS AND PUERTO RICO. GALE WARNINGS HAVE ALSO BEEN DISCONTINUED BUT WINDS UP TO 25 MPH MAY BE EXPECTED IN THE VICINITY OF HEAVY SHOWERS.

ON THE BASIS OF REPORTS FROM RECONNAISSANCE AIRCRAFT THIS AFTERNOON HURRICANE ILSA WAS LOCATED AT 3 PM AST...1900Z...ABOUT 325 MILES EAST NORTHEAST OF SAN JUAN PUERTO RICO. IT IS MOVING NORTHWEST AT ABOUT 7 MPH. MOVEMENT FOR THE NEXT 6 HOURS IS EXPECTED TO BE TOWARD THE NORTHWEST WITH A SLIGHT INCREASE IN FORWARD SPEED.

AS A RESULT OF THE NORTHWEST MOVEMENT OF HURRICANE ILSA FROM ITS PRESENT POSITION IT NOW APPEARS THAT THERE IS NO LONGER ANY DANGER TO PUERTO RICO THE VIRGIN ISLANDS OR THE LEEWARD ISLANDS EXCEPT FOR HEAVY SWELLS AND ROUGH SEAS ALONG THE NORTH COASTAL AREAS. PEOPLE ALONG LOW LYING BEACHES SHOULD CONTINUE TO EXERCISE CAUTION.

HIGHEST WINDS IN THE HURRICANE ARE ESTIMATED TO BE 115 MPH OVER A SMALL AREA NEAR THE CENTER. HURRICANE FORCE WINDS EXTEND OUTWARD 100 MILES IN THE NORTHEAST SEMICIRCLE AND 50 MILES IN THE SOUTHWEST SEMICIRCLE WHILE GALE FORCE WINDS EXTEND OUTWARD 200 MILES IN THE NORTHEAST SEMICIRCLE AND 120 MILES TO THE SOUTHWEST.

SHIPS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE EXTREME CAUTION AND SMALL CRAFT IN THE LEEWARD ISLANDS THE VIRGIN ISLANDS AND PUERTO RICO SHOULD REMAIN IN PORT UNTIL ROUGH SEAS SUBSIDE.

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

DAVIS WEATHER BUREAU SAN JUAN

SAN JUAN WEATHER BUREAU HURRICANE ADVISORY NUMBER 10 ILSA 6 PM AST SEPTEMBER 26 1958.

THE HURRICANE WATCH IS DISCONTINUED FOR THE LEEWARD ISLANDS VIRGIN ISLANDS AND PUERTO RICO. THERE IS NO LONGER ANY DANGER TO THESE AREAS EXCEPT FOR HEAVY SWELLS AND ROUGH SEAS ALONG NORTH COASTAL SECTIONS. PEOPLE ALONG LOW LYING BEACHES SHOULD CONTINUE TO EXERCISE CAUTION.

SEVERAL REPORTS FROM RECONNAISSANCE AIRCRAFT THIS AFTERNOON LOCATED THE CENTER OF HURRICANE ILSA AND AT 6 PM AST... 2200Z...IT WAS NEAR LATITUDE 20.2 NORTH LONGITUDE 61.4 WEST OR ABOUT 325 STATUTE MILES EAST NORTHEAST OF SAN JUAN PUERTO RICO. THE HURRICANE HAS REGAINED SPEED DURING THE PAST 6 HOURS AND IS NOW MOVING TOWARD THE NORTHWEST AT ABOUT 10 MPH. IT IS EXPECTED TO CONTINUE ITS NORTHWESTWARD MOVEMENT AT THE SAME FORWARD SPEED FOR THE NEXT 12 HOURS.

HIGHEST WINDS ARE ESTIMATED TO BE 115 MPH OVER A SMALL AREA NEAR THE CENTER AND HURRICANE FORCE WINDS EXTEND OUTWARD 100 MILES IN THE NORTHEAST SEMICIRCLE AND ABOUT 50 MILES IN THE SOUTHWEST SEMICIRCLE. GALE FORCE WINDS EXTEND OUTWARD 200 MILES IN THE NORTHEAST SEMICIRCLE AND 120 MILES TO THE SOUTHWEST. LITTLE CHANGE IN SIZE OR INTENSITY IS EXPECTED DURING THE NEXT 12 HOURS.

SHIPS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE EXTREME CAUTION AND SMALL CRAFT IN THE LEEWARD ISLANDS THE VIRGIN ISLANDS AND PUERTO RICO SHOULD REMAIN IN PORT UNTIL ROUGH SEAS SUBSIDE.

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

DAVIS WEATHER BUREAU SAN JUAN

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 11 ILSA 11 PM EST 26 SEPTEMBER 1958.

AIRCRAFT REPORTS INDICATE THE CENTER LOCATION OF ILSA AT 11 PM EST...0400Z...NEAR LATITUDE 22.1 NORTH LONGITUDE 61.6 WEST OR ABOUT 380 STATUTE MILES NORTHEAST OF SAN JUAN PUERTO RICO. HURRICANE ILSA IS MOVING NORTH NORTHWESTWARD AT 14 MPH. IT IS EXPECTED TO CONTINUE NORTH NORTHWESTWARD AT ABOUT THE SAME SPEED DURING THE NEXT 12 HOURS AND THEN AGAIN MOVE NORTHWESTWARD.

HIGHEST WINDS ARE ESTIMATED 115 MPH OVER A SMALL AREA NEAR THE CENTER AND HURRICANE FORCE WINDS EXTEND OUTWARD 100 MILES IN THE NORTHEAST SEMICIRCLE AND ABOUT 50 MILES IN THE SOUTHWEST SEMICIRCLE. GALE FORCE WINDS EXTEND 200 MILES IN THE NORTHEAST SEMICIRCLE AND 120 MILES IN THE SOUTHWEST. LITTLE CHANGE IN SIZE OR INTENSITY IS EXPECTED DURING THE NEXT 12 HOURS.

SHIPS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE EXTREME CAUTION AND SMALL CRAFT IN THE NORTH COASTAL SECTIONS OF PUERTO RICO VIRGIN ISLANDS AND LEEWARD ISLANDS SHOULD REMAIN IN PORT UNTIL HEAVY SWELLS AND ROUGH SEAS SUBSIDE.

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

MC GEHEE WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 12 ILSA 5 AM EST 27 SEPTEMBER 1958.

AT 5 AM EST...1000Z...RECONNAISSANCE AIRCRAFT HAS RELOCATED THE CENTER OF HURRICANE ILSA AT LATITUDE 21.5 N LONGITUDE 61.3 W OR ABOUT 400 STATUTE MILES NORTHEAST OF SAN JUAN PUERTO RICO MOVING NORTH NORTHWEST AT 8 MPH.

HIGHEST WINDS ARE ESTIMATED AT 115 MPH OVER A SMALL AREA NEAR THE CENTER AND HURRICANE FORCE WINDS EXTEND OUTWARD 100 MILES IN THE NORTHEAST SEMICIRCLE AND 50 MILES TO THE SOUTHWEST. GALE FORCE WINDS EXTEND 200 MILES IN THE NORTHEAST SEMICIRCLE AND 150 MILES TO THE SOUTHWEST. THERE ARE SOME SIGNS THAT THE HURRICANE HAS OR IS INTENSIFYING AS INDICATED BY THE SEA LEVEL PRESSURE OF 27.52 INCHES REPORTED DURING THE NIGHT. SOME INCREASE IN SIZE IS FORECAST.

SHIPS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE EXTREME CAUTION AND SMALL CRAFT IN THE NORTH COASTAL WATERS OF PUERTO RICO THE VIRGIN ISLANDS AND LEEWARD ISLANDS SHOULD REMAIN IN PORT UNTIL ROUGH SEAS AND HEAVY SWELLS SUBSIDE.

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

SUGG WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 13 ILSA 11 AM EST SEPTEMBER 27 1958.

AT 11 AM EST...1600Z...RECONNAISSANCE AIRCRAFT LOCATE THE CENTER OF HURRICANE ILSA AT LATITUDE 22.7 NORTH LONGITUDE 61.1 WEST OR ABOUT 435 STATUTE MILES NORTHEAST OF SAN JUAN PUERTO RICO MOVING TOWARD THE NORTHNORTHWEST AT 8 MPH.

HURRICANE ILSA HAS INTENSIFIED SOME DURING THE NIGHT AND HIGHEST WINDS ARE NOW ESTIMATED 130 TO 140 MPH NEAR THE CENTER AND HURRICANE FORCE WINDS EXTEND OUTWARD 110 MILES IN THE NORTHEAST SEMICIRCLE. GALE WINDS EXTEND 250 TO 280 STATUTE MILES IN ALL QUADRANTS EXCEPT 150 MILES TO THE SOUTHWEST.

HURRICANE ILSA IS EXPECTED TO CONTINUE MOVING NORTHNORTHWEST ABOUT 8 MPH WITH LITTLE CHANGE IN SIZE OR IN INTENSITY DURING THE NEXT 12 HOURS.

SHIPS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE EXTREME CAUTION AND SMALL CRAFT IN THE NORTH COASTAL WATER OF PUERTO RICO THE VIRGIN ISLANDS AND LEEWARD ISLANDS SHOULD REMAIN IN PORT UNTIL ROUGH SEAS AND HEAVY SWELLS SUBSIDE.

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

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 14 ILSA 5 PM EST 27 SEPTEMBER 1958.

RECONNAISSANCE AIRCRAFT REPORTS INDICATE THE CENTER OF HURRICANE ILSA AT 5 PM EST...2200Z...LOCATED AT LATITUDE 23.8 NORTH LONGITUDE 61.0 WEST OR ABOUT 500 STATUTE MILES NORTHEAST OF SAN JUAN PUERTO RICO MOVING NORTHWARD 10 MPH.

HIGHEST WINDS ARE NOW ESTIMATED 115 MPH NEAR THE CENTER AND HURRICANE FORCE WINDS EXTEND OUTWARD ABOUT 115 MILES IN THE NORTHEAST SEMICIRCLE AND 55 MILES IN THE SOUTHWEST. GALE FORCE WINDS EXTEND ABOUT 270 MILES IN ALL QUADRANTS EXCEPT 150 MILES IN THE SOUTHWEST.

HURRICANE ILSA IS EXPECTED TO CONTINUE MOVING NORTHWARD ABOUT 10 MPH WITH LITTLE CHANGE IN EITHER SIZE OF INTENSITY DURING THE NEXT 12 HOURS.

SHIPS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE EXTREME CAUTION.

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

MC GEHEE WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 15 ILSA 11 PM EST 27 SEPTEMBER 1958.

RECONNAISSANCE AIRCRAFT REPORTS TONIGHT INDICATE HURRICANE ILSA HAS INCREASED HER FORWARD SPEED TO ABOUT 20 MPH TOWARDS THE NORTH AND WAS LOCATED NEAR LATITUDE 26.5 NORTH LONGITUDE 60.9 WEST AT 11 PM EST...0400Z...THIS IS ABOUT 450 STATUTE MILES SOUTHEAST OF BERMUDA.

HIGHEST WINDS ARE STILL ESTIMATED TO BE ABOUT 115 MPH NEAR THE CENTER AND HURRICANE FORCE WINDS EXTEND OUTWARD ABOUT 115 MILES IN THE NORTHEASTERN SEMICIRCLE AND 55 MILES TO THE SOUTHWEST. GALE FORCE WINDS EXTEND ABOUT 270 MILES IN ALL QUADRANTS EXCEPT 150 MILES IN THE SOUTHWEST.

HURRICANE ILSA IS EXPECTED TO CONTINUE MOVING TOWARD THE NORTH BUT AT A SLIGHTLY SLOWER SPEED OF 17 MPH DURING THE NEXT 12 HOURS WITH LITTLE CHANGE IN SIZE OR INTENSITY.

SHIPS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE EXTREME CAUTION.

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

CLARK WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 16 ILSA 5 AM EST SEPTEMBER 28 1958.

AT 5 AM EST...1000Z...SHIPS AND RECONNAISSANCE AIRCRAFT LOCATED THE CENTER OF HURRICANE ILSA AT LATITUDE 28.4 NORTH LONGITUDE 61.7 WEST OR ABOUT 340 STATUTE MILES SOUTHEAST OF BERMUDA MOVING IN A NORTHERLY DIRECTION NEAR 20 MPH.

HIGHEST WINDS ARE ESTIMATED TO BE ABOUT 115 MPH NEAR THE CENTER AND HURRICANE FORCE WINDS EXTEND OUTWARD 115 MILES IN THE NORTHEAST SEMICIRCLE AND 55 MILES TO THE SOUTHWEST. GALES EXTEND OUTWARD 270 MILES IN ALL QUADRANTS EXCEPT 150 MILES TO THE SOUTHWEST.

HURRICANE ILSA IS EXPECTED TO MOVE NORTH AT 18 MPH DURING THE NEXT 12 HOURS WITH LITTLE CHANGE IN SIZE OR INTENSITY. A MORE NORTHNORTHEAST DIRECTION IS INDICATED THEREAFTER. THIS COURSE WOULD BRING THE CENTER ABOUT 180 STATUTE MILES TO THE EAST OF BERMUDA.

SHIPS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE EXTREME CAUTION.

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

SUGG WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 17 ILSA 11 AM EST SEPTEMBER 28 1958.

AT 11 AM EST...1600Z...RECONNAISSANCE AIRCRAFT LOCATED THE CENTER OF HURRICANE ILSA AT LATITUDE 29.1 NORTH LONGITUDE 62.3 WEST OR ABOUT 260 STATUTE MILES SOUTHEAST OF BERMUDA. IT IS MOVING NORTHNORTHWESTWARD ABOUT 13 MPH.

HIGHEST WINDS ARE NOW ABOUT 100 MILES NEAR THE CENTER AND HURRICANE FORCE WINDS EXTEND OUTWARD ABOUT 100 STATUTE MILES IN THE NORTHEASTERN SEMICIRCLE AND ABOUT 45 STATUTE MILES TO THE SOUTHWEST. GALE WINDS EXTEND OUTWARD ABOUT 250 STATUTE MILES IN ALL QUADRANTS EXCEPT ABOUT 150 STATUTE MILES TO THE SOUTHWEST.

HURRICANE ILSA IS EXPECTED TO MOVE NORTHERLY AT ABOUT 15 MPH DURING THE NEXT 12 HOURS. A MORE NORTHEASTERLY COURSE AT A SOMEWHAT FASTER RATE OF FORWARD SPEED IS INDICATED THEREAFTER. THIS WOULD BRING THE CENTER ABOUT 140 STATUTE MILES EAST OF BERMUDA. LITTLE CHANGE IN SIZE AND INTENSITY ARE INDICATED FOR THE NEXT 12 HOURS.

SHIPS IN THE PATH OF ILSA SHOULD EXERCISE EXTREME CAUTION.

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

MILLER WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 18 ILSA 5 PM EST SEPTEMBER 28 1958.

AT 5 PM EST...2200Z...RECONNAISSANCE AIRCRAFT LOCATED THE CENTER OF HURRICANE ILSA AT LATITUDE 30.5 NORTH LONGITUDE 61.3 WEST OR ABOUT 230 STATUTE MILES SOUTHEAST OF BERMUDA. IT IS MOVING NORTH NORTHEASTWARD AT ABOUT 15 MPH.

HIGHEST WINDS ARE STILL ABOUT 100 MPH NEAR THE CENTER. HURRICANE FORCE WINDS EXTEND OUTWARD ABOUT 100 MILES IN THE EASTERN SEMICIRCLE AND 45 MILES IN THE WESTERN SEMICIRCLE. GALES EXTEND OUT 250 MILES IN THE EASTERN SEMICIRCLE AND 125 MILES IN THE WESTERN SEMICIRCLE.

HURRICANE ILSA IS EXPECTED TO MOVE IN ABOUT THE SAME DIRECTION BUT AT A SOMEWHAT FASTER FORWARD SPEED FOR THE NEXT 12 HOURS. THEREAFTER A NORTHEASTERLY COURSE AT AN ACCELERATED RATE IS LIKELY. THIS WOULD BRING THE CENTER ABOUT 180 STATUTE MILES TO THE EAST OF BERMUDA. NOT MUCH CHANGE IN SIZE OR INTENSITY IS INDICATED.

SHIPS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE CAUTION.

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

MILLER WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 19 ILSA 11 PM EST SEPTEMBER 28 1958.

AT 11 PM EST...0400Z...RECONNAISSANCE AIRCRAFT LOCATED THE CENTER OF HURRICANE ILSA AT LATITUDE 31.5 NORTH LONGITUDE 60.0 WEST OR ABOUT 265 STATUTE MILES EAST SOUTHEAST OF BERMUDA. IT IS MOVING NORTHEASTWARD ABOUT 18 MPH.

HIGHEST WINDS ARE STILL ABOUT 100 MPH NEAR THE CENTER. HURRICANE FORCE WINDS EXTEND OUTWARD ABOUT 100 MILES IN THE EASTERN SEMICIRCLE AND 45 MILES IN THE WESTERN SEMICIRCLE. GALES EXTEND 250 MILES IN THE EASTERN SEMICIRCLE AND 115 MILES IN THE WESTERN SEMICIRCLE.

HURRICANE ILSA IS EXPECTED TO CONTINUE IN A GENERAL NORTHEASTERLY DIRECTION WITH THE SAME OR SLIGHTLY GREATER FORWARD SPEED DURING THE NEXT 12 HOURS. A SLIGHT DECREASE IN MAXIMUM WIND VELOCITY IS LIKELY IN THE NEXT 12 OR 24 HOURS BUT THE AREA OF GALE WINDS MAY INCREASE A LITTLE AT THE SAME TIME.

SHIPS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE CAUTION.

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

MCGEHEE WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 20 ILSA SEPTEMBER 29 1958.

AT 5 AM EST...1000Z...RECONNAISSANCE AIRCRAFT LOCATED THE CENTER OF HURRICANE ILSA AT LATITUDE 33.6 NORTH LONGITUDE 58.3 WEST OR 360 STATUTE MILES EASTNORTHEAST OF BERMUDA. IT IS MOVING NORTHEAST AT 25 MPH.

HIGHEST WINDS ARE ESTIMATED 100 MPH NEAR THE CENTER. HURRICANE FORCE WINDS EXTEND OUTWARD 100 MILES IN THE EASTERN SEMICIRCLE AND 45 MILES IN THE WESTERN SEMICIRCLE. GALES FROM HURRICANE HELENE AND ILSA NOW EXTEND OUT SOME 800 MILES IN THE NORTHEAST QUADRANT FROM ILSA. GALES EXTEND OUT 200 MILES IN OTHER QUADRANTS.

HURRICANE ILSA IS EXPECTED TO MOVE NORTHEASTWARD AT 28 MPH DURING THE NEXT 12 HOURS. HURRICANE WINDS SHOULD DECREASE TO AROUND 75 MPH IN A SMALL AREA NEAR THE CENTER. NO IMPORTANT CHANGE IS EXPECTED IN THE AREA OF GALE WINDS.

SHIPS IN THE PATH OF THIS HURRICANE SHOULD EXERCISE CAUTION.

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

SUGG WEATHER BUREAU MIAMI

MIAMI WEATHER BUREAU HURRICANE ADVISORY NUMBER 21 ILSA 11 AM EST 29 SEPTEMBER 1958.

AT 11 AM EST...1600Z...RECONNAISSANCE AIRCRAFT LOCATED HURRICANE ILSA AT LATITUDE 36.1 NORTH LONGITUDE 56.2 WEST OR 525 STATUTE MILES NORTHEAST OF BERMUDA MOVING TOWARDS THE NORTHEAST AT 30 MPH.

HIGHEST WINDS ARE ESTIMATED 100 MPH OVER SMALL AREA NEAR THE CENTER AND HURRICANE FORCE WINDS EXTEND OUTWARD 100 MILES IN THE EASTERN SEMICIRCLE AND 45 MILES IN THE WESTERN SEMICIRCLE. GALES EXTEND OUTWARD 500 MILES IN ALL DIRECTIONS EXCEPT ONLY ABOUT 200 MILES TO THE SOUTHWEST.

HURRICANE ILSA IS EXPECTED TO MOVE NORTHEASTWARD AT A SLIGHTLY FASTER RATE DURING THE NEXT 12 TO 24 HOURS AND SHOULD BEGIN TO LOSE ITS TROPICAL CHARACTERISTICS PARTICULARLY DURING THE SECOND 12 HOUR PERIOD. NO IMPORTANT CHANGE IS ANTICIPATED IN THE AREA OF GALES.

SHIPPING IN THE PATH OF ILSA SHOULD EXERCISE CAUTION.

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

DAVIS WEATHER BUREAU MIAMI

WASHINGTON WEATHER BUREAU HURRICANE ADVISORY NUMBER 22 ILSA 5 PM EST SEPTEMBER 29 1958.

AT 5 PM EST...2200Z...HURRICANE ILSA WAS LOCATED BY SHIP REPORTS AND RECONNAISSANCE AIRCRAFT NEAR LATITUDE 38.7 NORTH LONGITUDE 53.3 WEST OR ABOUT 750 STATUTE MILES NORTHEAST OF BERMUDA MOVING TOWARDS THE NORTHEAST AT 40 MPH.

HIGHEST WINDS ARE ESTIMATED AROUND 100 MPH OVER SMALL AREA NEAR THE CENTER AND HURRICANE FORCE WINDS EXTEND OUTWARD WITHIN 100 MILES. GALES EXTEND OUTWARD 500 MILES IN ALL DIRECTIONS EXCEPT ONLY ABOUT 200 MILES TO THE SOUTHWEST.

HURRICANE ILSA IS EXPECTED TO MOVE TOWARD THE NORTHEAST AT ABOUT 40 MPH DURING THE NEXT 12 HOURS AND SHOULD BEGIN TO LOSE ITS HURRICANE CHARACTERISTICS BUT NO IMPORTANT CHANGE IS ANTICIPATED IN THE AREA OF GALES. DURING THE SECOND 12 HOURS MOVEMENT MAY BE BETWEEN NORTHEAST AND NORTH NORTHEAST AT ABOUT THE SAME SPEED.

SHIPPING IN THE PATH OF ILSA SHOULD EXERCISE CAUTION.

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

NORQUEST WEATHER BUREAU WASHINGTON

WASHINGTON WEATHER BUREAU HURRICANE ADVISORY NUMBER 23 ILSA 11 PM EST SEPTEMBER 29 1958.

AT 11 PM EST...0400Z...HURRICANE ILSA WAS LOCATED BY SHIP REPORTS NEAR LATITUDE 41.2 NORTH LONGITUDE 50.0 WEST OR ABOUT 550 STATUTE MILES EAST SOUTHEAST OF SABLE ISLAND NOVA SCOTIA MOVING TOWARD THE NORTHEAST AT 40 MPH.

HIGHEST WINDS ARE ESTIMATED AROUND 90 MPH OVER A SMALL AREA NEAR THE CENTER AND HURRICANE FORCE WINDS EXTEND OUTWARD WITHIN 80 MILES OF THE CENTER. GALES EXTEND OUTWARD 450 MILES NORTHEAST SEMICIRCLE AND 300 MILES SOUTHWEST SEMICIRCLE.

HURRICANE ILSA IS EXPECTED TO MOVE TOWARD THE NORTHEAST AT ABOUT 42 MPH DURING THE NEXT 12 TO 24 HOURS AND SHOULD CONTINUE TO LOSE HER HURRICANE CHARACTERISTICS BUT NO IMPORTANT CHANGE IS ANTICIPATED IN THE AREA OF GALES.

SHIPPING IN THE PATH OF ILSA SHOULD EXERCISE CAUTION.

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

R. HOOVER WEATHER BUREAU WASHINGTON

WASHINGTON WEATHER BUREAU HURRICANE ADVISORY NUMBER 24 ILSA 5 AM EST SEPTEMBER 30 1958.

AT 5 AM EST...1000Z...HURRICANE ILSA WAS LOCATED BY SHIP REPORTS NEAR LATITUDE 44.0 NORTH LONGITUDE 46.5 WEST OR ABOUT 350 STATUTE MILES SOUTHEAST OF NEWFOUNDLAND COAST MOVING TOWARD NORTHEAST AT ABOUT 40 MPH.

HIGHEST WINDS ARE ESTIMATED ABOUT HURRICANE FORCE IN SQUALLS AND EXTEND A SHORT DISTANCE FROM THE CENTER. GALES EXTEND OUTWARD 300 TO 400 MILES TO THE EAST SOUTH AND WEST OF THE CENTER AND NORTH OF THE CENTER TO GREENLAND.

HURRICANE ILSA IS EXPECTED TO MOVE TOWARD THE NORTHEAST AT ABOUT 40 MPH DURING THE NEXT 12 TO 24 HOURS. HURRICANE ILSA WILL LOSE HER HURRICANE CHARACTERISTICS AND BECOME AN AREA OF GALES. ILSA IS EXPECTED TO BECOME A PART OF STORM NOW LOCATED TO NORTH THAT WAS FORMERLY HURRICANE HELENE. THE GALE AREA IN THE NORTH ATLANTIC MAY EXPAND SLIGHTLY AS CENTERS MERGE.

SHIPPING IN PATH OF ILSA SHOULD CONTINUE TO EXERCISE CAUTION.

THIS WILL BE THE LAST PUBLIC ADVISORY ON ILSA. FUTURE ADVICES ON THIS STORM WILL CONTINUE TO BE CARRIED EVERY SIX HOURS IN THE MARINE BULLETINS ISSUED FROM WASHINGTON FOR BROADCAST OVER NSS.

E. HOOVER WEATHER BUREAU WASHINGTON

TORNADO

SAFETY RULES

**TO KNOW WHAT TO DO WHEN A TORNADO IS APPROACHING,
MAY MEAN THE DIFFERENCE BETWEEN LIFE OR DEATH !!**

I If you are near a tornado cellar :

When time permits, go to a tornado cellar, cave, or underground excavation which should have an air outlet to help equalize the air pressure. It should be kept fit for use, free from water, gas, or debris; and preferably equipped with pick and shovel. **THERE IS NO UNIVERSAL PROTECTION AGAINST TORNADOES EXCEPT UNDERGROUND EXCAVATIONS.**

II If you are in open country :

1. Move at right angles to the tornado's path. Tornadoes usually move ahead at about 25 to 40 miles per hour.
2. If there is no time to escape, lie flat in the nearest depression such as a ditch or ravine.

III If in a city or town :

1. Seek inside shelter, preferably in a strongly reinforced building. **STAY AWAY FROM WINDOWS!**
2. In homes: The corner of the basement toward the tornado usually offers greatest safety, particularly in frame houses. People in houses without basements can sometimes be protected by taking cover under heavy furniture against inside walls. Doors and windows on the sides of the house away from the tornado may be opened to help reduce damage to the building.
3. Standing against the inside wall on a lower floor of an office building offers some protection.

IV If in schools :

1. In city areas: If school building is of strongly reinforced construction, stay inside, away from windows, remain near an inside wall on the lower floors when possible. **AVOID AUDITORIUMS AND GYMNASIUMS** with large, poorly-supported roofs!
2. In rural schools that do not have strongly reinforced construction, remove children and teachers to a ravine or ditch if storm shelter is not available.

V If in factories and industrial plants :

On receiving a tornado warning, a lookout should be posted to keep safety officials advised of the tornado's approach. Advance preparation should be made for moving workers to sections of the plant offering the greatest protection.

- ### **VI**
- Keep calm! It will not help to get excited. People have been killed by running out into streets and by turning back into the path of a tornado. Even though a warning is issued, chances of a tornado striking one's home or location are very slight. Tornadoes cover such a small zone, as a rule, that relatively only a few places in a warned area are directly affected. You should know about tornadoes though, "just in case". See other side for details.

- ### **VII**
- Keep tuned to your radio or television station for latest tornado advisory information. Do not call the Weather Bureau, except to report a tornado, as your individual request may tie up telephone lines urgently needed to receive special reports or to relay advisories to radio and television stations for dissemination to thousands in the critical area.

**UNITED STATES DEPARTMENT OF COMMERCE
WEATHER BUREAU**

Revised July 1958

TORNADO INFORMATION

WHERE TORNADOES CAN OCCUR:

Any place in the United States at any time of the year. They happen most frequently in the midwestern, southern and central states from March through September.

HOW OFTEN DO THEY OCCUR:

The records show that the average number of days with tornadoes varies from about 12 per year in parts of the Mid-West to less than one per year in the Northeastern and far Western states.

HOW TO RECOGNIZE A TORNADO:

Usually observed as a funnel-shaped cloud, spinning rapidly, and extending toward the earth from the base of a thundercloud. When close by, it sounds like the roar of hundreds of airplanes.

TORNADO "WEATHER":

Hot, sticky days with southerly winds and a threatening, ominous sky. However, many such days occur without tornadoes.

CLOUDS:

Familiar thunderstorm clouds are present. An hour or two before a tornado, topsy-turvy clouds appear sometimes bulging down instead of up. The clouds often have a greenish-black color.

PRECIPITATION:

Rain, frequently hail, preceding the tornado, with a heavy downpour after it has passed.

TIME OF DAY:

Mostly between 3 and 7 P.M., but they have occurred at all hours.

DIRECTION OF TRAVEL:

In most cases they move from a westerly direction, usually from the southwest.

LENGTH OF PATH:

Usually 10 to 40 miles (the average length is 16 miles), but they may move forward for 300 miles.

WIDTH OF PATH:

The average width is about 400 yards, but they have cut swaths over a mile in width.

SPEED OF TRAVEL:

25 to 40 miles per hour average, but they have varied from 5 to 139 miles per hour.

WIND SPEED:

Estimated as high as 500 miles per hour within the tornado.

CAUSES OF DESTRUCTION:

- (1) Violent winds which uproot trees, destroy buildings, and which create a serious hazard from objects blown through the air.
- (2) Differences in air pressure which can lift automobiles and can cause buildings to collapse.