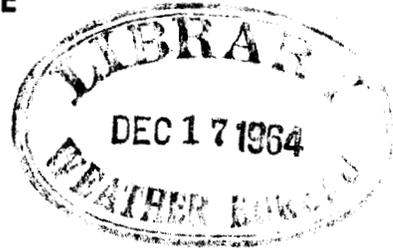


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U.S. Weather Bureau.
Hurricane Isbell, October 12-16, 1961;
preliminary reports with advisories and
bulletins issued.

U.S. DEPARTMENT OF COMMERCE

U.S. WEATHER BUREAU



HURRICANE ISBELL

OCTOBER 12 - 16, 1964

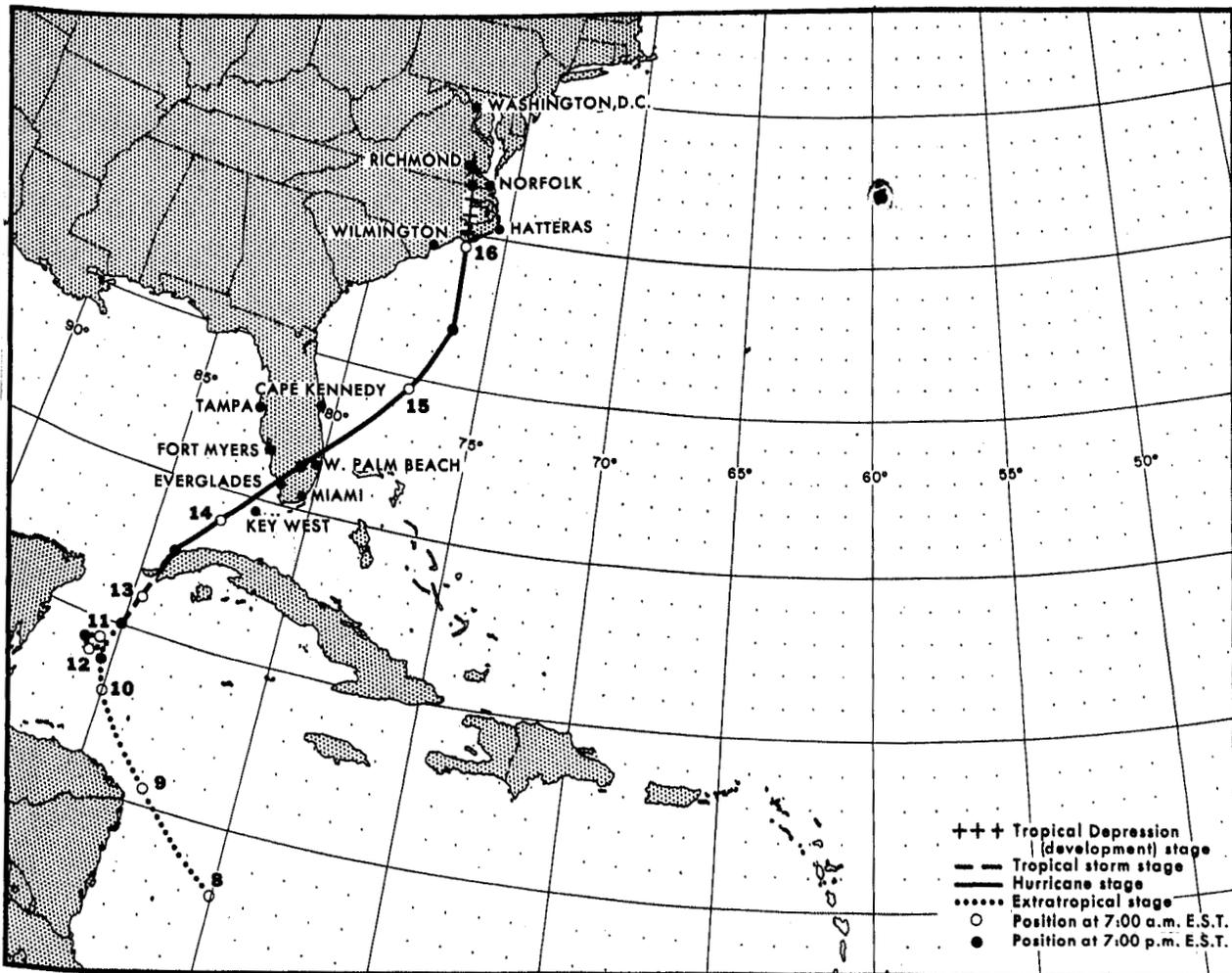
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HURRICANE ISBELL

1964

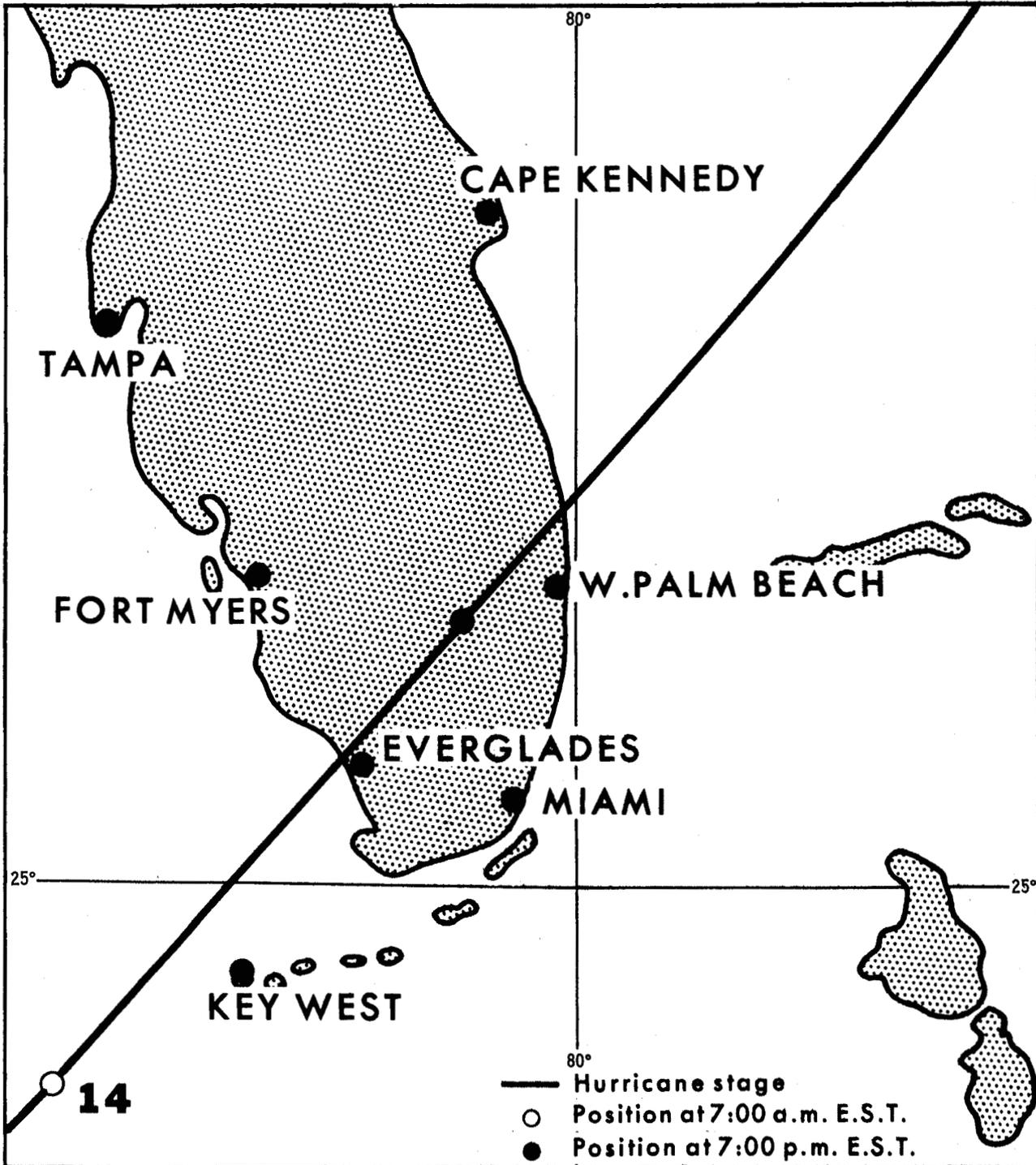


Figure 1

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HURRICANE ISBELL

1964

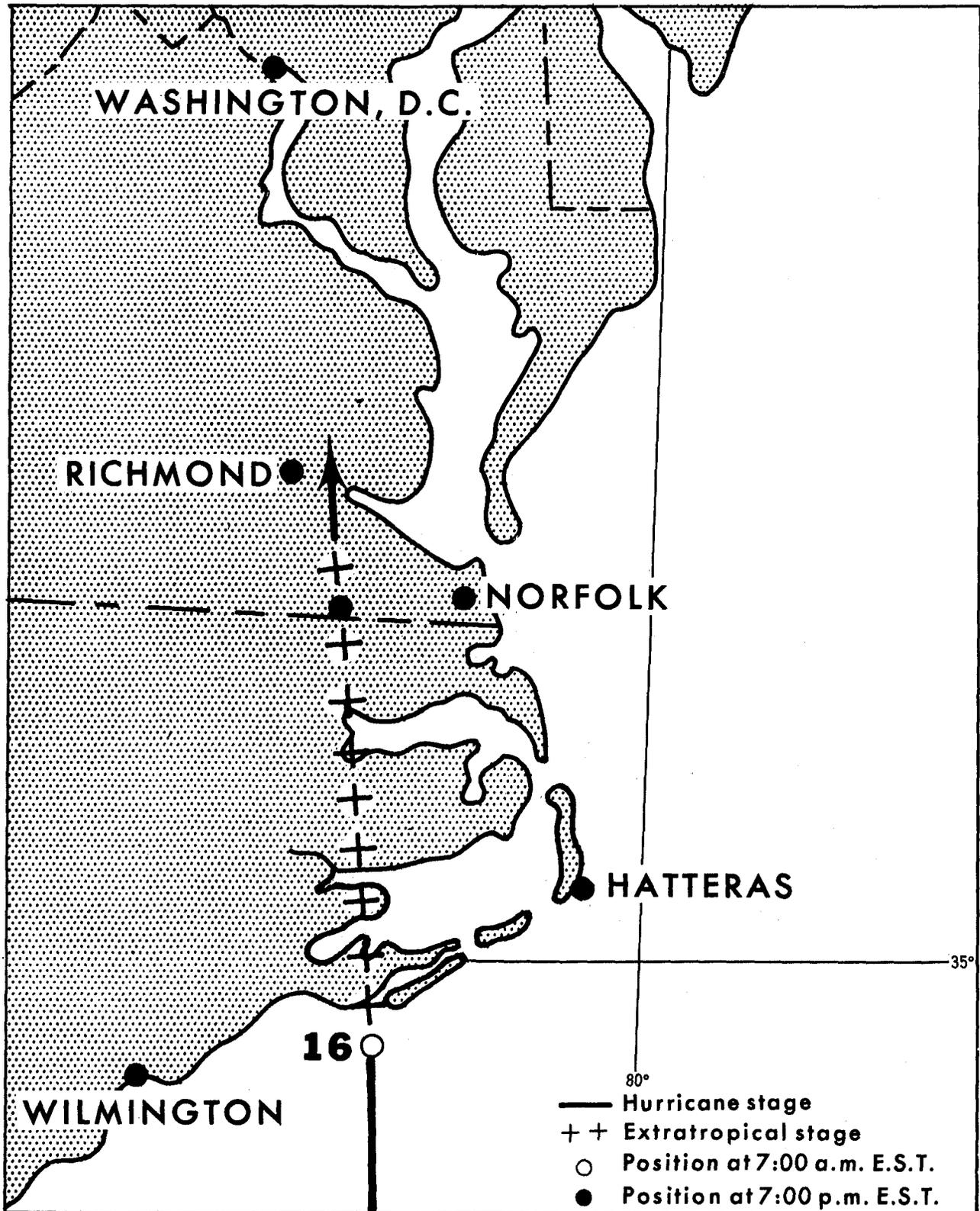


Figure 2

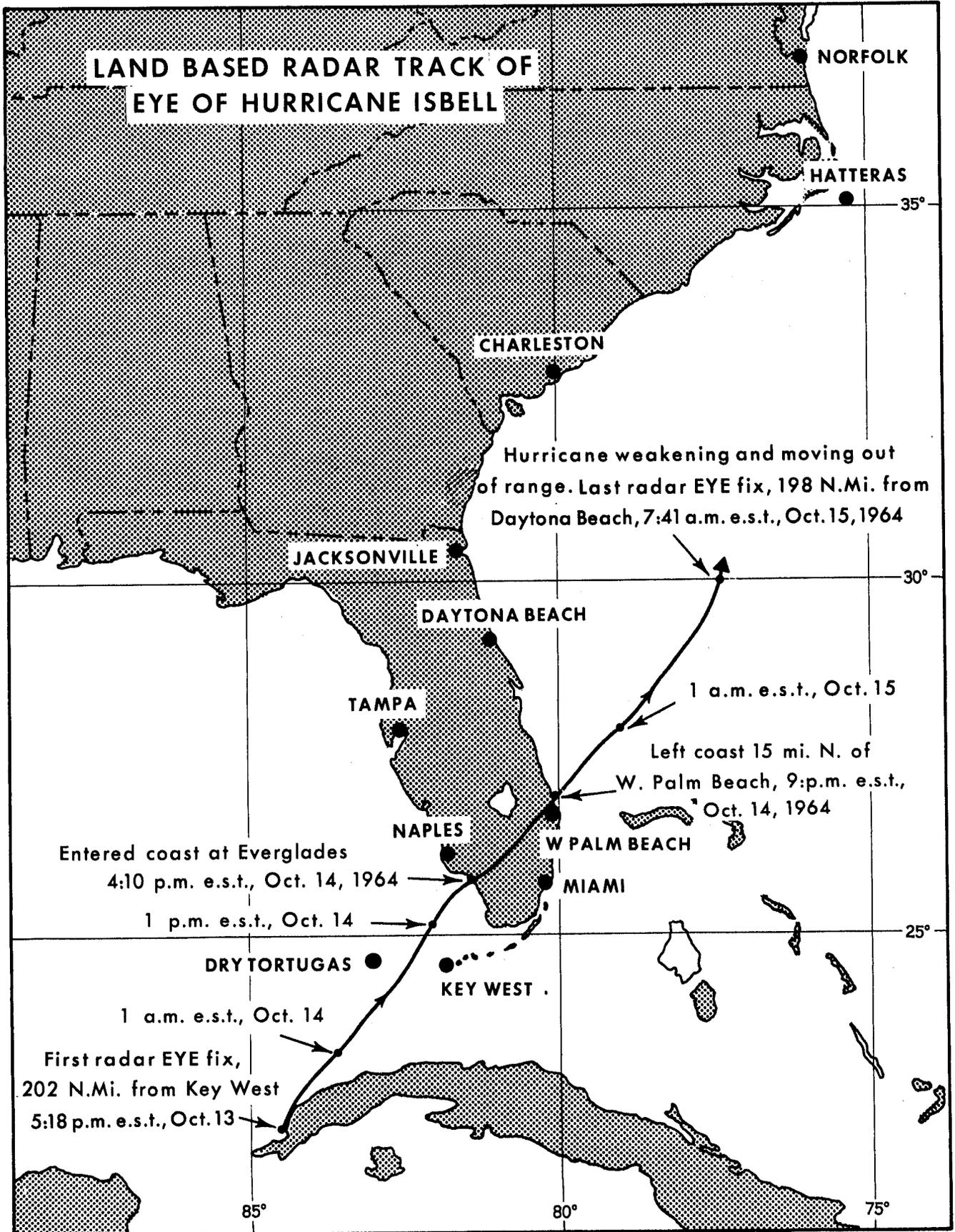


FIGURE 3

PRELIMINARY REPORT - HURRICANE ISBELL

OCTOBER 8-17, 1964

The first evidence of a new tropical disturbance appeared over the western Caribbean during the period October 7 to 8. The disturbance remained quite weak and poorly organized for another 48 hours. The first bulletin was issued on October 10th and the disturbance was named Tropical Storm Isbell at 11 p.m. EST October 12. It reached hurricane intensity while approaching the extreme western portion of Cuba on October 13th. The hurricane continued on a general northeasterly course across southern Florida (Figure 1) to near latitude 31 North before turning northward and moving as a rapidly weakening system over coastal North Carolina (Figure 2).

Over Cuba wind gusts reached 70 mph as far east as Boyeros Airport near Havana. A minimum sea level pressure of 28.91 inches was reported in the hurricane area over Pinar Del Rio. As the storm hit western Cuba it came under the surveillance of the Weather Bureau WSR-57 radar based at Key West and continued under constant radar coverage until well east of Florida (Figure 3).

The center of Hurricane Isbell entered Florida near Everglades City at 4:10 p.m. EST October 14th and exited in the Jupiter-Juno Beach area 9 p.m. of the same day. This represented a northeastward movement averaging 23 mph while over southern Florida. The center passed some 47 miles to the northwest of Miami where peak gusts were 63 mph and the lowest pressure 29.54 inches. Highest winds were near 90 mph along both Florida coasts with the lowest pressure at Juno Beach, 28.88 inches, and at Jupiter 28.95 inches.

Isbell was no longer of hurricane intensity as she entered the North Carolina coast near Morehead City, and rapidly became extratropical as she continued northward towards the Norfolk area. Highest wind reported in this area was a gust to 75 mph at Elizabeth City, N. C., with the peak gust in the Norfolk area 62 mph.

Lowest pressure reported during the history of Isbell was 28.47 inches when the center was westsouthwest of Key West. This figure was from aircraft reconnaissance and was obtained by extrapolating downward from flight level.

At least thirteen tornadoes occurred in east Florida coastal counties from Coral Gables to Eau Gallie with reports of as many as fifty persons injured, apparently none seriously. Fatality reports related to Isbell total three. Two persons died when a 42 foot shrimp boat was destroyed off the lower Florida Keys and one person in the Palm Beach area died of a heart attack while putting up storm shutters.

Rainfall in south Florida was variable up to over five inches with heavy rains reported over much of South Carolina and eastern North Carolina.

Damage associated with Isbell was in general, light. In Cuba there was considerable damage to tobacco crops and communications lines. In the lower Florida Keys property damages totaled about \$175,000, most of which was to telephone company equipment. In Palm Beach County, Florida, damage estimates (exclusive of agricultural damage) totaled about \$700,000, about half of which resulted from tornado activity. Vegetable crops in the Everglades and Pompano areas of Florida suffered heavy damage with agricultural damage in the state exceeding five million dollars. In the Carolinas and tidewater Virginia, only minor property damage was reported and was caused mainly by flooding of very low areas. Considerable flooding of inland streams occurred mainly in South Carolina and eastern North Carolina. There was considerable agricultural loss in this area with reports received of extensive damage to unharvested peanuts, particularly in northeastern North Carolina.

Isbell was in most ways a typical mid-October hurricane, forming quite slowly near an old frontal trough in the western Caribbean and then coming out on a general northeasterly course across Florida before becoming extratropical near latitude 35N. This is climatologically about the most likely origin and path for a mid-October hurricane.

ADVISORIES AND BULLETINS

MIAMI

1 PM EST SATURDAY OCTOBER 10 1964

THE WEAK TROPICAL DEPRESSION WHICH FORMED EARLY THIS MORNING JUST NORTHWEST OF SWAN ISLAND IN THE NORTHWEST CARIBBEAN HAS BEEN INVESTIGATED BY AIR RECONNAISSANCE. WEATHER BUREAU AIRCRAFT HAS LOCATED THE CENTER OF THE WEAK CIRCULATION 100 MILES NORTHWEST OF SWAN ISLAND AT NOON TODAY. HIGHEST WINDS ARE 20 TO 30 MPH MAINLY IN SHOWERS AND SQUALLS.

CURRENT DATA WOULD INDICATE THAT THE DEPRESSION WOULD DRIFT SLOWLY NORTHWARD DURING THE REMAINDER OF THE DAY AND TONIGHT WITH NO IMPORTANT INTENSIFICATION. THE SEA LEVEL PRESSURE IS NEAR 29.75 INCHES.

SHOWERS AND A FEW SQUALLS WHICH ACCOMPANY THE DEPRESSION AND WHICH ARE OCCURRING OVER THE NORTHWEST CARIBBEAN INCLUDING THE YUCATAN CHANNEL AREA AND THE WESTERN PORTION OF CUBA WILL SPREAD NORTHWARD SLOWLY INTO THE SOUTHEASTERN GULF OF MEXICO THE FLORIDA STRAITS AND FLORIDA KEYS TONIGHT. SHOWERS WHICH ARE SCATTERED OVER EXTREME SOUTH FLORIDA THIS AFTERNOON WILL GRADUALLY INCREASE TONIGHT AND SUNDAY.

THERE WILL BE ANOTHER BULLETIN FROM THE MIAMI WEATHER BUREAU THIS EVENING.

SUGG

11 PM EST SUNDAY OCTOBER 11 1964

REPORTS FROM SHIPPING AND LAND STATIONS IN THE NORTHWESTERN CARIBBEAN THIS EVENING INDICATE THE TROPICAL DEPRESSION REMAINS ESSENTIALLY STATIONARY SOME 600 MILES SOUTH SOUTHWEST OF MIAMI. HIGHEST WINDS ARE 20 TO 30 MPH IN SCATTERED SQUALLS.

SHOWERS AND LOCAL SQUALLS ARE OCCURRING OVER THE NORTHWESTERN CARIBBEAN FROM SWAN ISLAND TO WESTERN CUBA AND ARE SPREADING SLOWLY NORTHWARD INTO THE EXTREME SOUTHEASTERN GULF OF MEXICO. HEAVY RAIN FALLING ALONG THE LOWER EAST COAST OF FLORIDA IS ASSOCIATED WITH A WEAK FRONT NOW STATIONARY THRU THE FLORIDA STRAITS. LOCAL AMOUNTS IN EXCESS OF FIVE INCHES HAVE BEEN REPORTED IN THE WEST PALM BEACH AND FORT LAUDERDALE AREAS.

NO SIGNIFICANT CHANGE IN INTENSITY IS PRESENTLY INDICATED DURING THE REMAINDER OF TONIGHT OR MONDAY. SOME SLOW NORTHWARD DRIFT IS LIKELY DURING THE NEXT 24 HOURS. RECONNAISSANCE AIRCRAFT WILL INVESTIGATE THE AREA ON MONDAY.

ANOTHER BULLETIN WILL BE ISSUED BY THE MIAMI WEATHER BUREAU LATE MONDAY MORNING.

CLARK

11:30 AM EST MONDAY OCTOBER 12 1964

RECONNAISSANCE AIRCRAFT AND OTHER REPORTS FROM THE NORTHWESTERN CARIBBEAN INDICATE THAT THE TROPICAL DEPRESSION HAS CONTINUED QUITE WEAK. HIGHEST WINDS ARE 20 TO 30 MPH IN SCATTERED SQUALLS. THE DEPRESSION HAS REMAINED ALMOST STATIONARY SOUTH OF THE WESTERN TIP OF CUBA OR SOME 600 MILES SOUTH SOUTHWEST OF MIAMI.

IT IS EXPECTED TO DRIFT VERY SLOWLY NORTHWARD DURING THE NEXT 24 HOURS AND CONDITIONS ARE NOT CONSIDERED FAVORABLE FOR ANY MARKED CHANGE IN INTENSITY.

THERE ARE NUMEROUS SHOWERS AND A FEW SQUALLS FROM THE EXTREME NORTHWESTERN CARIBBEAN AND EXTREME SOUTHEAST GULF OF MEXICO TO THE NORTHWESTERN BAHAMAS. SOME VERY HEAVY RAINFALL AMOUNTS OF 4 TO 7 INCHES HAVE OCCURRED ALONG THE SOUTHEAST FLORIDA COAST. THIS IS ASSOCIATED WITH A STATIONARY FRONT IN THE FLORIDA STRAITS WHICH WILL CAUSE CONTINUED RAINY WEATHER IN SOUTH FLORIDA THROUGH TUESDAY.

ANOTHER BULLETIN WILL BE ISSUED BY THE MIAMI WEATHER BUREAU LATE THIS AFTERNOON

MOORE

5 PM EST MONDAY OCTOBER 12 1964

REPORTS FROM THE NORTHWESTERN CARIBBEAN INDICATE THAT THE TROPICAL DEPRESSION HAS NOT CHANGED SIGNIFICANTLY DURING THE DAY. THE DEPRESSION HAS REMAINED STATIONARY SOUTH OF THE WESTERN TIP OF CUBA SOME 600 MILES SOUTH SOUTHWEST OF MIAMI. HIGHEST WINDS ARE 20 TO 30 MPH IN SCATTERED SQUALLS.

IT IS EXPECTED TO REMAIN STATIONARY FOR THE NEXT 24 HOURS AND CONDITIONS ARE NOT FAVORABLE FOR ANY MARKED CHANGE IN INTENSITY. RECONNAISSANCE AIRCRAFT WILL INVESTIGATE THE SYSTEM AGAIN TUESDAY MORNING.

HEAVY RAINS IN EXTREME SOUTH FLORIDA ARE NOT ASSOCIATED WITH THE DEPRESSION BUT WITH A STATIONARY FRONT IN THE FLORIDA STRAITS. CLOUDY RAINY WEATHER IS EXPECTED TO CONTINUE IN THIS AREA TUESDAY.

THE NEXT BULLETIN WILL BE ISSUED LATE TUESDAY MORNING UNLESS SIGNIFICANT CHANGES WARRANT AN EARLIER RELEASE.

FRANK

MIAMI

NUMBER 1 11 PM EST MONDAY OCTOBER 12 1964

SHIPS IN THE EXTREME NORTHWESTERN CARIBBEAN HAVE REPORTED CONDITIONS INDICATING THAT THE TROPICAL DEPRESSION WHICH HAS BEEN OBSERVED IN THAT AREA DURING THE PAST TWO DAYS IS DEVELOPING INTO TROPICAL STORM ISBELL.

AT 11 PM EST...0400Z...THE CENTER OF THE STORM WAS NEAR LATITUDE 20.7 NORTH LONGITUDE 84.4 WEST OR ABOUT 80 MILES SOUTH SOUTHEAST OF CAPE SAN ANTONIO CUBA AND 450 MILES SOUTHWEST OF MIAMI.

HIGHEST WINDS ARE 50 MPH IN SQUALLS OVER A SMALL AREA NEAR THE CENTER. PRESENT MOVEMENT IS TOWARD THE NORTH NORTHEAST AT ABOUT 7 MPH. SOME FURTHER INTENSIFICATION AND INCREASE IN SIZE IS EXPECTED WITH CONTINUED MOVEMENT TOWARD THE NORTH NORTHEAST AT THE SAME RATE DURING THE NEXT 12 TO 18 HOURS.

THIS COURSE WILL TAKE THE STORM ACROSS EXTREME WESTERN CUBA AND ALL INTERESTS THERE SHOULD TAKE IMMEDIATE PRECAUTIONS AGAINST INCREASING WINDS WHICH MAY REACH NEAR HURRICANE FORCE IN A FEW SQUALLS BEGINNING EARLY TUESDAY. HEAVY RAINS ARE LIKELY AND ROUGH SEAS AND HIGH TIDES WILL OCCUR ON THE SOUTH COAST.

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

MOORE

NUMBER 2 5 AM EST TUESDAY OCTOBER 13 1964

AT 5 AM EST...1000Z...TROPICAL STORM ISBELL WAS CENTERED NEAR LATITUDE 21.0 NORTH LONGITUDE 84.3 WEST OR ABOUT 70 MILES SOUTH SOUTHEAST OF CAPE SAN ANTONIO CUBA AND 450 MILES SOUTHWEST OF MIAMI. IT IS MOVING TOWARD THE NORTH NORTHEAST AT ABOUT 5 MPH.

THE STORM IS NOT WELL ORGANIZED AND HIGHEST WINDS ARE ESTIMATED 50 MPH IN SQUALLS NEAR THE POORLY DEFINED EYE. A SLOW INCREASE IN INTENSITY IS EXPECTED WITH THE MOVEMENT CONTINUING TOWARD THE NORTH NORTHEAST AT ABOUT THE SAME RATE FOR THE NEXT 12 TO 18 HOURS.

THIS MOVEMENT WOULD TAKE THE CENTER ACROSS EXTREME WESTERN CUBA AND PRECAUTIONS SHOULD BE TAKEN THERE AND ON THE ISLE OF PINES AGAINST INCREASING WINDS REACHING GALE FORCE TODAY. SEAS WILL BE ROUGH AND TIDES ON THE SOUTH COAST MUCH ABOVE NORMAL. HEAVY RAINS ARE ALSO EXPECTED WITH RISK OF SOME LOCAL FLOODING.

SMALL CRAFT ON THE FLORIDA KEYS AND NORTHWARD TO CAPE KENNEDY AND TAMPA BAY SHOULD REMAIN IN PORT OR IN PROTECTED WATERS. WINDS WILL BE INCREASING IN THE FLORIDA STRAITS AND KEYS THIS AFTERNOON OR TONIGHT.

INTEREST IN SOUTH FLORIDA SHOULD KEEP IN TOUCH WITH ALL ADVICES ON THE STORM UNTIL FUTURE COURSE AND INTENSITY TREND IS MORE DEFINITELY ESTABLISHED.

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

MOORE

NUMBER 3 11 AM EST TUESDAY OCTOBER 13 1964

AT 11 AM EST...1600Z...TROPICAL STORM ISBELL WAS LOCATED BY RECONNAISSANCE AIRCRAFT AND SHIP REPORTS ABOUT 40 MILES SOUTH OF THE EXTREME WESTERN TIP OF CUBA NEAR LATITUDE 21.3N LONGITUDE 84.5W. THE STORM HAS BECOME BETTER ORGANIZED AND INCREASED SOME IN INTENSITY. THE HIGHEST WINDS ARE NOW ESTIMATED AT 60 MPH WITH GALES EXTENDING OUT 70 MILES IN ALL DIRECTIONS. MOVEMENT CONTINUES SLOW ABOUT 5 MPH TOWARD THE NORTH NORTHEAST.

INDICATIONS ARE FOR SOME INCREASE IN SIZE BUT LITTLE CHANGE IN INTENSITY DURING THE NEXT 18 HOURS AS THE STORM PASSES ACROSS EXTREME WESTERN CUBA. HIGH WINDS AND HEAVY RAINS WILL ACCOMPANY THE CENTER AND TIDES WILL BE ABOVE NORMAL ESPECIALLY ON THE SOUTHWEST COAST OF CUBA WITH ROUGH SEAS.

IT APPEARS THAT ISBELL WILL REACH HURRICANE FORCE OVER THE EXTREME SOUTHEASTERN GULF OF MEXICO WEDNESDAY. WINDS WILL BE INCREASING OVER THE KEYS PROBABLY REACHING GALE FORCE OVER THE LOWER KEYS WEDNESDAY AFTERNOON. SMALL CRAFT AROUND SOUTHERN FLORIDA AND THE SOUTHEASTERN GULF OF MEXICO SHOULD REMAIN IN PORT AND THOSE FROM THE LOWER KEYS NORTHWARD TO NAPLES SHOULD SEEK SAFE HARBOR.

ALL INTERESTS IN SOUTH FLORIDA SHOULD KEEP POSTED ON FORTHCOMING ADVISORIES DURING THE NEXT TWO DAYS.

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

KRAFT

MIAMI

1 PM EST TUESDAY OCTOBER 13 1964

LATE REPORTS FROM JUST SOUTH OF THE EXTREME WESTERN TIP OF CUBA INDICATE THAT ISBELL HAS INTENSIFIED. HIGHEST WINDS ARE NOW ESTIMATED 70 MPH AND IT APPEARS LIKELY THAT ISBELL WILL REACH HURRICANE FORCE THIS AFTERNOON.

ISBELL MAY DECREASE SOME IN INTENSITY WHILE CROSSING EXTREME WESTERN CUBA TONIGHT BUT IT IS EXPECTED TO BECOME A WELL ORGANIZED HURRICANE OVER THE EXTREME SOUTHEAST GULF OF MEXICO WEDNESDAY. WINDS WILL INCREASE OVER EXTREME SOUTHERN FLORIDA PROBABLY REACHING GALE FORCE IN THE LOWER KEYS WEDNESDAY AFTERNOON. SMALL CRAFT FROM TAMPA AND CAPE KENNEDY SOUTHWARD SHOULD REMAIN IN PORT AND THOSE FROM THE LOWER KEYS TO NAPLES SHOULD SEEK SAFE HARBOR.

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

KRAFT

NUMBER 4 5 PM EST OCTOBER 13 1964

HOIST HURRICANE WARNINGS 5 PM EST AT DRY TORTUGAS AND GALE WARNINGS EAST OF THERE TO MARATHON. A HURRICANE WATCH IS INDICATED THRU THE LOWER KEYS TO TAMPA.

INDICATIONS ARE THAT ISBELL HAS REACHED HURRICANE FORCE. HIGHEST WINDS ARE NOW ESTIMATED 80 MPH NEAR THE CENTER AND GALES EXTEND OUT 90 MILES IN ALL DIRECTIONS. THE CENTER WAS LOCATED BY AIRCRAFT THIS AFTERNOON AND AT 5 PM EST...2200Z...WAS NEAR LATITUDE 22.0 NORTH LONGITUDE 84.5 WEST OR OVER THE EXTREME WESTERN TIP OF CUBA. MOVEMENT IS BETWEEN NORTH AND NORTH NORTHEAST ABOUT 7 MPH. HIGH WINDS HEAVY RAINS AND DANGEROUS SEAS AND TIDES WILL OCCUR OVER EXTREME WESTERN CUBA THRU TONIGHT.

THE HURRICANE IS EXPECTED TO INCREASE IN SIZE AND INTENSITY BY WEDNESDAY. MOVEMENT TOWARD THE NORTH NORTHEAST WITH AN INCREASE IN FORWARD SPEED IS ANTICIPATED. THE HURRICANE CENTER SHOULD PASS A LITTLE WEST OF DRY TORTUGAS WEDNESDAY AFTERNOON. WINDS WILL BE INCREASING OVER THE LOWER KEYS AND REACH GALE FORCE OVER MOST OF THE AREA WEDNESDAY AFTERNOON OR NIGHT.

A TURN MORE TOWARD THE NORTHEAST IS EXPECTED AFTER 24 HOURS AND ALL PERSONS IN THE AREA OF HURRICANE WATCH SHOULD MAKE PRELIMINARY PLANS FOR ACTION TO BE TAKEN IF HURRICANE WARNINGS ARE NECESSARY WEDNESDAY.

SMALL CRAFT AROUND THE SOUTHERN FLORIDA PENINSULA SHOULD REMAIN IN PORT AND THOSE IN THE AREA OF WARNING DISPLAY SHOULD SEEK SAFE HARBOR.

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

KRAFT

8 PM EST TUESDAY OCTOBER 13 1964

HURRICANE WARNINGS ARE DISPLAYED AT DRY TORTUGAS. THE HURRICANE WATCH AND GALE DISPLAY IS EXTENDED TO INCLUDE THE AREA EASTWARD THROUGH THE ENTIRE KEYS TO KEY LARGO. A HURRICANE WATCH CONTINUES IN EFFECT NORTHWARD ALONG THE GULF COAST TO TAMPA BAY.

DURING THE LATE AFTERNOON AND EARLY EVENING HURRICANE ISBELL HAS BEEN MOVING NORTH TO NORTH NORTHEASTWARD AT ABOUT 10 MPH OVER THE WESTERN TIP OF CUBA AND THE CENTER IS NOW MOVING OUT OVER THE OPEN WATER INTO THE EXTREME SOUTHEASTERN GULF OF MEXICO. AT 8 PM EST THE HURRICANE WAS ESTIMATED TO BE NEAR LATITUDE 22.5N LONGITUDE 84.2W WHICH IS ABOUT 125 MILES WESTSOUTHWEST OF HAVANA AND 225 MILES SOUTHWEST OF KEY WEST.

APPARENTLY ISBELL WAS BARELY OF HURRICANE INTENSITY AS IT MOVED OVER EXTREME WESTERN CUBA. IT SHOULD INTENSIFY SOME AS IT MOVES OVER WATER AND INCREASE SLIGHTLY IN SIZE WEDNESDAY. WHILE IT IS NOT A MAJOR HURRICANE AND IS NOT EXPECTED TO BECOME ONE ALL PERSONS AND INTERESTS IN SOUTH FLORIDA SHOULD KEEP IN TOUCH WITH ADVICES ON THIS HURRICANE DURING THE NEXT TWO DAYS.

THE EVENTUAL PATH OF THE HURRICANE ACROSS SOUTHERN FLORIDA CANNOT BE PREDICTED WITH ANY PRECISION AT THIS TIME BUT HURRICANE WARNINGS ARE EXPECTED TO BE EXTENDED TOMORROW WEDNESDAY MORNING AND ALL INTERESTS SHOULD BE PREPARED FOR QUICK ACTION WHEN THIS BECOMES NECESSARY.

SMALL CRAFT AROUND THE SOUTHERN FLORIDA PENINSULA SHOULD REMAIN IN PORT AND THROUGHOUT THE FLORIDA KEYS AND ON THE SOUTHWEST GULF COAST AS FAR NORTH AS FORT MYERS SHOULD SEEK SAFE HARBOR.

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

DUNN

MIAMI

NUMBER 5 11 PM EST TUESDAY OCTOBER 13 1964

EXTEND HURRICANE WARNINGS AT 11 PM EST FROM DRY TORTUGAS IN THE FLORIDA KEYS EASTWARD TO KEY WEST AND MARATHON AND ON THE WEST COAST FROM FLAMINGO NORTHWARD TO FORT MYERS. GALE WARNINGS AND A HURRICANE WATCH ARE IN EFFECT ON THE KEYS FROM MARATHON TO KEY LARGO. A HURRICANE WATCH CONTINUES IN EFFECT FROM FORT MYERS TO TAMPA.

HURRICANE ISBELL HAS MOVED OFF THE NORTH COAST OF EXTREME WESTERN CUBA AND AT 11 PM EST...0400Z...WAS CENTERED NEAR LATITUDE 23.0 NORTH LONGITUDE 84.0 WEST. THIS POSITION IS ABOUT 105 MILES WEST OF HAVANA AND 185 MILES SOUTHWEST OF KEY WEST. THE HURRICANE IS MOVING TOWARD THE NORTH NORTHEAST AT ABOUT 10 MPH.

MAXIMUM WINDS ARE ESTIMATED 80 MPH OVER A SMALL AREA NORTH OF THE CENTER. SOME INCREASE IN INTENSITY IS EXPECTED NOW THAT THE CENTER IS BACK OVER WATER AND THE GALES WILL SPREAD OUT TO EXTEND ABOUT 80 MILES FROM THE CENTER IN ALL DIRECTIONS.

THE HURRICANE IS EXPECTED TO GRADUALLY TURN TO A MORE NORTHEASTWARD COURSE AT ABOUT 12 MPH DURING THE NEXT 12 TO 24 HOURS WHICH WOULD TAKE THE CENTER NEAR DRY TORTUGAS ABOUT MIDDAY WEDNESDAY AND PROBABLY TO THE SOUTHWEST FLORIDA COAST WEDNESDAY NIGHT. PRECAUTIONS SHOULD BE TAKEN AGAINST GALE TO POSSIBLY HURRICANE FORCE WINDS ON THE LOWER FLORIDA KEYS WEDNESDAY AND FROM FLAMINGO TO FORT MYERS BY WEDNESDAY NIGHT. INTERESTS IN AREAS UNDER A HURRICANE WATCH SHOULD ALSO BE PREPARED TO TAKE PRECAUTIONARY MEASURES IF HURRICANE WARNINGS ARE ISSUED THERE LATER.

TIDES ARE EXPECTED TO BE 3 TO 5 FEET ABOVE NORMAL NEAR THE POINT WHERE THE CENTER REACHES THE COAST. MORE SPECIFIC ESTIMATES WILL BE AVAILABLE WEDNESDAY.

SMALL CRAFT AROUND THE SOUTHERN FLORIDA PENINSULA SHOULD REMAIN IN PORT.

THE NEXT ADVISORY WILL BE ISSUED AT 5 AM EST WITH A BULLETIN AT 2 AM EST FROM THE MIAMI WEATHER BUREAU.

MOORE

2 AM EST WEDNESDAY OCTOBER 14 1964

HURRICANE WARNINGS ARE DISPLAYED FROM DRY TORTUGAS IN THE FLORIDA KEYS EASTWARD TO KEY WEST AND MARATHON AND ON THE WEST COAST FROM FLAMINGO NORTHWARD TO FORT MYERS.

GALE WARNINGS AND A HURRICANE WATCH ARE IN EFFECT ON THE KEYS FROM MARATHON TO KEY LARGO. A HURRICANE WATCH CONTINUES FROM FORT MYERS TO TAMPA.

AT 2 AM EST HURRICANE ISBELL WAS CENTERED NEAR LATITUDE 23.4N LONGITUDE 83.6W OR ABOUT 75 MILES WESTNORTHWEST OF HAVANA AND 140 MILES SOUTHWEST OF KEY WEST. THIS POSITION IS BASED UPON THE LAND BASED RADAR AT KEY WEST AND INDICATES THAT THE HURRICANE IS MOVING TOWARD THE NORTH NORTHEAST TO NORTHEAST ABOUT 12 MPH.

MAXIMUM WINDS ARE NEAR 80 MPH OVER A SMALL AREA NORTH OF THE CENTER. SOME INCREASE IN INTENSITY IS EXPECTED NOW THAT THE CENTER IS BACK OVER WATER AND GALES WILL SPREAD OUT TO EXTEND ABOUT 80 MILES FROM THE CENTER IN ALL DIRECTIONS.

THE HURRICANE IS EXPECTED TO MOVE ON A COURSE BETWEEN NORTH NORTHEAST AND NORTHEAST WITH A FORWARD SPEED OF 12 MPH TODAY AND EARLY TONIGHT WHICH WOULD TAKE THE CENTER NEAR DRY TORTUGAS LATE THIS MORNING AND TO THE SOUTHWEST FLORIDA COAST TONIGHT. PRECAUTIONS SHOULD BE TAKEN AGAINST GALE TO HURRICANE FORCE WINDS ON THE LOWER FLORIDA KEYS TODAY AND FROM FLAMINGO TO FORT MYERS TONIGHT. INTERESTS IN AREAS UNDER HURRICANE WATCH SHOULD ALSO BE PREPARED TO TAKE PRECAUTIONARY MEASURES IF HURRICANE WARNINGS ARE ISSUED THERE LATER.

TIDES ARE EXPECTED TO BE 3 TO 5 FEET ABOVE NORMAL ON THE KEYS TODAY AND ON THE SOUTHWEST FLORIDA COAST TONIGHT. HIGHER TIDES MAY OCCUR NEAR WHERE THE CENTER REACHES LAND ON THE SOUTHWEST FLORIDA COAST TONIGHT DEPENDING UPON HOW MUCH THE HURRICANE INTENSIFIES TODAY. MORE SPECIFIC ESTIMATES WILL BE MADE LATER THIS MORNING.

SMALL CRAFT AROUND THE SOUTHERN FLORIDA PENINSULA SHOULD REMAIN IN PORT.

HEAVY RAINS OF POSSIBLY FIVE INCHES WILL OCCUR IN THE KEYS TODAY AND 5 TO 10 INCHES OVER PORTIONS OF SOUTH FLORIDA DURING THE NEXT 24 TO 36 HOURS.

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

SUGG

MIAMI

NUMBER 6 5 AM EST WEDNESDAY OCTOBER 14 1964

HURRICANE WARNINGS ARE DISPLAYED FROM DRY TORTUGAS IN THE FLORIDA KEYS EASTWARD TO KEY WEST AND MARATHON AND ON THE WEST COAST FROM FLAMINGO NORTHWARD TO FORT MYERS.

GALE WARNINGS AND A HURRICANE WATCH ARE IN EFFECT ON THE KEYS FROM MARATHON TO KEY LARGO AND ARE EXTENDED NORTHWARD FROM KEY LARGO TO CAPE KENNEDY AND OVER LAKE OKEECHOBEE. A HURRICANE WATCH CONTINUES FROM FORT MYERS TO TAMPA.

LAND BASED RADAR INDICATES THAT AT 5 AM EST...1000Z...THE CENTER OF HURRICANE ISBELL WAS NEAR LATITUDE 23.8N LONGITUDE 83.2W OR ABOUT 70 MILES NORTHWEST OF HAVANA AND 105 MILES SOUTHWEST OF KEY WEST. ISBELL IS MOVING TOWARD THE NORTHEAST NEAR 14 MPH. CONTINUING THIS COURSE AND SPEED THE CENTER SHOULD PASS BETWEEN DRY TORTUGAS AND KEY WEST LATE THIS MORNING AND ACROSS THE EVERGLADES TONIGHT.

HIGHEST WINDS ARE ESTIMATED NEAR 80 MPH NEAR THE CENTER. SOME INCREASE IN INTENSITY IS EXPECTED TODAY NOW THAT MOST OF THE CIRCULATION IS OVER WATER AND GALES ARE EXPECTED TO SPREAD OUT AND EXTEND ABOUT 80 MILES IN ALL DIRECTIONS.

PRECAUTIONS SHOULD BE CONTINUED AGAINST GALE TO HURRICANE FORCE WINDS ON THE LOWER FLORIDA KEYS THIS MORNING AND ON THE LOWER SOUTHWEST FLORIDA COAST THIS AFTERNOON AND TONIGHT. GALES SHOULD BEGIN ON THE UPPER KEYS THIS AFTERNOON AND ALONG THE SOUTHEAST FLORIDA COAST AND OVER LAKE OKEECHOBEE TONIGHT. INTERESTS IN AREAS OF HURRICANE WATCH SHOULD ALSO BE PREPARED TO TAKE PRECAUTIONARY MEASURES IF HURRICANE WARNINGS ARE ISSUED THERE LATER.

TIDES ARE EXPECTED TO BE 3 TO 5 FEET ABOVE NORMAL ON THE KEYS TODAY AND ON THE LOWER SOUTHWEST FLORIDA COAST LATE THIS AFTERNOON OR TONIGHT. HIGHER TIDES POSSIBLY REACHING 7 FEET ABOVE NORMAL MAY OCCUR OVER A SMALL AREA ON THE LOWER SOUTHWEST FLORIDA COAST PROBABLY IN THE TEN THOUSAND ISLANDS AREA NEAR WHERE THE CENTER REACHES THE COAST TONIGHT.

HEAVY RAINS OF NEAR 5 INCHES WILL OCCUR IN THE KEYS TODAY AND 5 TO 10 INCHES OVER PORTIONS OF SOUTH FLORIDA DURING THE NEXT 24 HOURS.

SMALL CRAFT AROUND SOUTH FLORIDA AND THE KEYS SHOULD REMAIN IN SAFE HARBOR AND THOSE IN THE EXTREME NORTHERN BAHAMAS SHOULD NOT VENTURE FAR FROM PORT.

THE NEXT ADVISORY WILL BE ISSUED BY THE MIAMI WEATHER BUREAU AT 11 AM EST WITH AN INTERMEDIATE BULLETIN AT 8 AM.

SUGG

8 AM EST WEDNESDAY OCTOBER 14 1964

HURRICANE WARNINGS ARE DISPLAYED FROM DRY TORTUGAS IN THE FLORIDA KEYS EASTWARD TO KEY WEST AND MARATHON AND ON THE WEST COAST FROM FLAMINGO NORTHWARD TO FORT MYERS.

GALE WARNINGS AND A HURRICANE WATCH ARE IN EFFECT ON THE KEYS FROM MARATHON TO KEY LARGO AND NORTHWARD FROM KEY LARGO TO CAPE KENNEDY AND OVER LAKE OKEECHOBEE. A HURRICANE WATCH CONTINUES FROM FORT MYERS TO TAMPA.

LAND BASED RADAR AND AIR RECONNAISSANCE INDICATE THAT AT 8 AM EST THE CENTER OF HURRICANE ISBELL WAS NEAR LATITUDE 24.1N LONGITUDE 82.8W OR ABOUT 60 MILES WESTSOUTHWEST OF KEY WEST AND NEARLY 200 MILES SOUTHWEST OF MIAMI. ISBELL IS MOVING TOWARD THE NORTHEAST NEAR 14 MPH. CONTINUING THIS COURSE AND SPEED THE CENTER SHOULD PASS BETWEEN DRY TORTUGAS AND KEY WEST LATE THIS MORNING AND ACROSS THE EVERGLADES TONIGHT.

HIGHEST WINDS ARE ESTIMATED NEAR 80 MPH NEAR THE CENTER. WIND GUSTS MAY REACH 100 MPH NEAR THE CENTER IN THE LOWER KEYS DURING THE NEXT FEW HOURS. SOME INCREASE IN INTENSITY IS EXPECTED TODAY NOW THAT MOST OF THE CIRCULATION IS OVER WATER AND GALES ARE EXPECTED TO SPREAD OUT AND EXTEND ABOUT 80 MILES IN ALL DIRECTIONS.

PRECAUTIONS SHOULD BE CONTINUED AGAINST GALE TO HURRICANE FORCE WINDS ON THE LOWER FLORIDA KEYS THIS MORNING AND ON THE LOWER SOUTHWEST FLORIDA COAST THIS AFTERNOON AND TONIGHT. GALES AND POSSIBLY GUSTS TO HURRICANE FORCE SHOULD BEGIN ON THE UPPER KEYS THIS AFTERNOON AND ALONG THE SOUTHEAST FLORIDA COAST AND OVER LAKE OKEECHOBEE LATE THIS AFTERNOON AND TONIGHT. INTERESTS IN AREAS OF HURRICANE WATCH SHOULD ALSO BE PREPARED TO TAKE PRECAUTIONARY MEASURES IF HURRICANE WARNINGS ARE ISSUED THERE LATER.

TIDES ARE EXPECTED TO BE 3 TO 5 FEET ABOVE NORMAL ON THE KEYS TODAY AND ON THE LOWER SOUTHWEST FLORIDA COAST LATE THIS AFTERNOON OR TONIGHT. HIGHER TIDES POSSIBLY REACHING 7 FEET ABOVE NORMAL MAY OCCUR OVER A SMALL AREA ON THE LOWER SOUTHWEST FLORIDA COAST PROBABLY IN THE TEN THOUSAND ISLANDS AREA NEAR WHERE THE CENTER REACHES THE COAST TONIGHT.

HEAVY RAINS OF NEAR 5 INCHES WILL OCCUR IN THE KEYS TODAY AND 5 TO 10 INCHES OVER PORTIONS OF SOUTH FLORIDA DURING THE NEXT 24 HOURS.

SMALL CRAFT AROUND SOUTH FLORIDA AND THE KEYS SHOULD REMAIN IN SAFE HARBOR AND THOSE IN THE EXTREME NORTHERN BAHAMAS SHOULD NOT VENTURE FAR FROM PORT.

SOME LATE REPORTS ARE AS FOLLOWS:

THE CENTER PASSED AROUND 70 MILES TO THE NORTHWEST OF HAVANA AND THE HIGHEST WINDS REPORTED THERE AT THE AIRPORT WERE 71 MPH. FLAMINGO HAS HEAVY RAIN WITH A BAROMETER READING OF 29.79 INCHES AT 0645 AM EST.

DRY TORTUGAS WIND NORTHEAST 40 MPH WITH BAROMETER 29.59 INCHES AT 0700 AM EST.

KEY WEST WIND EASTSOUTHEAST 25 GUSTS TO 35 MPH WITH LIGHT RAIN AND A BAROMETER READING OF 29.74 INCHES AT 0700 AM EST.

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

SUGG

MIAMI

NUMBER 7 11 AM EST OCTOBER 14 1964

HOIST HURRICANE WARNINGS OVER LAKE OKEECHOBEE AND FROM FORT LAUDERDALE TO VERO BEACH. HURRICANE WARNINGS ARE DISPLAYED THROUGH THE KEYS FROM DRY TORTUGAS TO MARATHON AND ON THE WEST COAST FROM FLAMINGO TO FORT MYERS.

GALE WARNINGS WITH A HURRICANE WATCH ARE IN EFFECT ELSEWHERE FROM THE KEYS TO CAPE KENNEDY AND A HURRICANE WATCH IS CONTINUED FROM FORT MYERS TO TAMPA.

ISBELL HAS INTENSIFIED THIS MORNING AND HIGHEST WINDS ARE NOW ESTIMATED A LITTLE OVER 100 MPH AND THE HURRICANE HAS THE POTENTIAL OF PRODUCING A TIDE OF 10 FEET ABOVE NORMAL WHERE THE CENTER REACHES THE SOUTHWEST COAST. AT 11 AM EST...1600Z...THE CENTER OF HURRICANE ISBELL WAS NEAR LATITUDE 24.7 NORTH LONGITUDE 82.2 WEST OR ABOUT 30 MILES WEST OF KEY WEST MOVING TOWARD THE NORTHEAST 14 MPH.

INTERESTS ALONG THE SOUTHWEST COAST OF FLORIDA IN THE AREA OF HURRICANE DISPLAY ESPECIALLY IN THE THOUSAND ISLANDS AREA SHOULD MOVE INLAND FROM THE BEACHES AS TIDES OF 5 TO 10 FEET WILL OCCUR OVER PORTIONS OF THE AREA FROM FLAMINGO TO NEAR NAPLES. THE CENTER WILL REACH THAT AREA THIS AFTERNOON AND SWEEP NORTHEASTWARD ACROSS THE STATE PASSING A LITTLE SOUTH OF LAKE OKEECHOBEE.

THERE ARE SOME INDICATIONS THAT A SLIGHT TURN TO A LITTLE MORE NORTH NORTHEAST COURSE IS LIKELY. INTERESTS IN THE AREA OF HURRICANE WATCH OVER SOUTHEAST FLORIDA SHOULD STAY IN CLOSE TOUCH THIS AFTERNOON SINCE THE PATH OF THIS HURRICANE MAKES IT TOUCH AND GO WHETHER HURRICANE WARNINGS WILL BE NEEDED ALONG THE LOWER EAST COAST.

HEAVY RAINS OF 5 TO 10 INCHES ARE LIKELY OVER MOST OF SOUTHERN FLORIDA AND THERE IS A POSSIBILITY THAT A TORNADO MIGHT OCCUR.

SMALL CRAFT AROUND THE ENTIRE FLORIDA PENINSULA SHOULD REMAIN IN PORT OR SEEK SAFE HARBOR AND THOSE IN THE EXTREME NORTHERN BAHAMAS SHOULD NOT VENTURE FAR FROM PORT.

HURRICANE WARNINGS ARE NOW DISPLAYED FROM DRY TORTUGAS TO MARATHON IN THE KEYS FROM FLAMINGO TO FORT MYERS ALONG THE SOUTHWEST COAST OVER LAKE OKEECHOBEE AND FROM FORT LAUDERDALE TO VERO BEACH ALONG THE EAST COAST. GALE WARNINGS WITH A HURRICANE WATCH ARE IN EFFECT ELSEWHERE THROUGH THE KEYS NORTHWARD TO CAPE KENNEDY AND A HURRICANE WATCH FORT MYERS TO TAMPA.

ALL INTERESTS ESPECIALLY THOSE IN THE AREA OF HURRICANE DISPLAY ARE URGED TO TAKE ALL NECESSARY ACTION FOR THE PROTECTION OF LIFE AND PROPERTY AND THOSE IN THE AREA OF HURRICANE WATCH SHOULD MAKE PRELIMINARY PLANS AND BE READY TO TAKE FAST ACTION IN CASE WARNINGS ARE NECESSARY THIS AFTERNOON.

HURRICANE FORCE WINDS HAVE BEEN OBSERVED AT KEY WEST AND DRY TORTUGAS.

THE NEXT REGULAR ADVISORY WILL BE ISSUED BY THE MIAMI WEATHER BUREAU AT 5 PM EST AND THERE WILL BE BULLETINS AT 1 AND 3 PM EST.

KRAFT

1 PM EST WEDNESDAY OCTOBER 14 1964

HURRICANE WARNINGS ARE DISPLAYED FROM DRY TORTUGAS TO MARATHON IN THE KEYS FROM FLAMINGO TO FORT MYERS ALONG THE SOUTHWEST COAST OVER LAKE OKEECHOBEE AND FROM FORT LAUDERDALE TO VERO BEACH ALONG THE EAST COAST. GALE WARNINGS WITH A HURRICANE WATCH ARE IN EFFECT ELSEWHERE THROUGH THE KEYS NORTHWARD TO CAPE KENNEDY AND A HURRICANE WATCH FORT MYERS TO TAMPA.

INDICATIONS ARE THAT HURRICANE ISBELL HAS INTENSIFIED A LITTLE MORE DURING THE PAST FEW HOURS AND HIGHEST WINDS ARE ESTIMATED BETWEEN 100 AND 125 MPH. RADAR REPORTS DURING THE PAST HOURS SHOW A SLIGHT TURN A LITTLE MORE TOWARD THE NORTH NORTHEAST. THIS TREND HAS NOT BEEN ESTABLISHED WELL ENOUGH TO BE CERTAIN AND THE PEOPLE ALONG THE SOUTHEAST COAST FROM DADE COUNTY SOUTHWARD SHOULD CONTINUE ON THE ALERT FOR POSSIBLE HURRICANE WARNINGS WITHIN THE NEXT TWO HOURS.

AT 1 PM EST THE CENTER OF HURRICANE ISBELL WAS NEAR LATITUDE 25.1 NORTH LONGITUDE 81.9 WEST OR ABOUT 40 MILES NORTH OF KEY WEST FLORIDA MOVING TOWARD THE NORTHEAST 14 MPH.

INTERESTS ALONG THE SOUTHWEST COAST OF FLORIDA IN THE AREA OF HURRICANE DISPLAY ESPECIALLY IN THE TEN THOUSAND ISLANDS AREA SHOULD MOVE INLAND FROM THE BEACHES AS TIDES OF 5 TO 10 FEET WILL OCCUR OVER PORTIONS OF THE AREA FROM FLAMINGO TO NEAR NAPLES. THE CENTER WILL REACH THAT AREA THIS AFTERNOON AND SWEEP NORTHEASTWARD ACROSS THE STATE PASSING A LITTLE SOUTH OF LAKE OKEECHOBEE.

HEAVY RAINS OF 5 TO 10 INCHES ARE LIKELY OVER MOST OF SOUTHERN FLORIDA AND THERE IS A POSSIBILITY THAT A TORNADO MIGHT OCCUR.

SMALL CRAFT AROUND THE ENTIRE FLORIDA PENINSULA SHOULD REMAIN IN PORT OR SEEK SAFE HARBOR AND THOSE IN THE EXTREME NORTHERN BAHAMAS SHOULD NOT VENTURE FAR FROM PORT.

ALL INTERESTS ESPECIALLY THOSE IN THE AREA OF HURRICANE DISPLAY ARE URGED TO TAKE ALL NECESSARY ACTION FOR THE PROTECTION OF LIFE AND PROPERTY AND THOSE IN THE AREA OF HURRICANE WATCH SHOULD MAKE PRELIMINARY PLANS AND BE READY TO TAKE FAST ACTION IN CASE WARNINGS ARE NECESSARY THIS AFTERNOON.

HURRICANE WARNINGS ARE DISPLAYED FROM DRY TORTUGAS TO MARATHON IN THE KEYS FROM FLAMINGO TO FORT MYERS ALONG THE SOUTHWEST COAST OVER LAKE OKEECHOBEE AND FROM FORT LAUDERDALE TO VERO BEACH ALONG THE EAST COAST. GALE WARNINGS WITH A HURRICANE WATCH ARE IN EFFECT ELSEWHERE THROUGH THE KEYS NORTHWARD TO CAPE KENNEDY AND A HURRICANE WATCH FORT MYERS TO TAMPA.

THE NEXT RELEASE BY THE MIAMI WEATHER BUREAU WILL BE AT 3 PM EST AND AN ADVISORY AT 5 PM EST.

KRAFT

MIAMI

3 PM EST WEDNESDAY OCTOBER 14 1964

HURRICANE WARNINGS REMAIN DISPLAYED FROM DRY TORTUGAS TO MARATHON IN THE FLORIDA KEYS FROM FLAMINGO TO FORT MYERS ALONG THE SOUTHWEST GULF COAST OVER LAKE OKEECHOBEE AND FROM FORT LAUDERDALE TO VERO BEACH ALONG THE FLORIDA EAST COAST AND AT 5 PM WILL BE EXTENDED NORTHWARD TO CAPE KENNEDY. GALE WARNINGS WITH A HURRICANE WATCH CONTINUE IN EFFECT ELSEWHERE THROUGH THE KEYS NORTHWARD TO CAPE KENNEDY AND AT 5 PM WILL BE EXTENDED NORTHWARD TO DAYTONA BEACH. A HURRICANE WATCH CONTINUES FROM FORT MYERS TO TAMPA.

ISBELLS INTENSITY HAS REMAINED ABOUT THE SAME DURING THE PAST FEW HOURS AND HIGHEST WINDS ARE ESTIMATED 100 TO 125 MPH OVER A SMALL AREA NEAR THE CENTER. THE INTENSE PORTION OF THE HURRICANE IS VERY SMALL AND THE DESTRUCTIVE WINDS ARE CONFINED TO THE WALL CLOUD AREA IMMEDIATELY AROUND THE EYE. THE BROAD ARC OF THE LEADING EDGE IS APPROACHING THE THOUSAND ISLANDS AREA NORTHWEST AND SOUTH OF EVERGLADES CITY.

AT 3 PM EST THE CENTER OF HURRICANE ISBELL WAS NEAR LATITUDE 25.6 NORTH LONGITUDE 81.6 WEST OR ABOUT 30 MILES SOUTHWEST OF EVERGLADES CITY AND 90 MILES WEST OF MIAMI. IT IS MOVING ON A SLIGHTLY ZIGZAG PATH TOWARD THE NORTHEAST AT ABOUT 15 MPH.

THE CENTER OF THE HURRICANE WILL REACH THE COASTLINE IN THE THOUSAND ISLANDS AREA WITHIN THE NEXT FEW HOURS AND CONDITIONS WILL BEGIN TO WORSEN IMMEDIATELY. HURRICANE PRECAUTIONS SHOULD HAVE BEEN COMPLETED FROM NAPLES SOUTHEASTWARD THROUGH THE THOUSAND ISLANDS AREA AGAINST DESTRUCTIVE WINDS AND STORM TIDES OF 5 TO 10 FEET WITH LESS SEVERE CONDITIONS TO THE NORTH AND THE SOUTH OF THIS AREA. THE HURRICANE WILL SWEEP NORTHEASTWARD ACROSS THE STATE TONIGHT WITH THE CENTER PASSING CLOSE TO LAKE OKEECHOBEE.

ON THE BASIS OF THE PRESENT PROJECTION OF THE HURRICANE TRACK HURRICANE WARNINGS SHOULD NOT BE REQUIRED IN THE HOLLYWOOD AREA OF SOUTH BROWARD COUNTY NOR IN DADE COUNTY. HOWEVER SQUALLS UP TO 60 MPH OR HIGHER WITH A FEW GUSTS NEAR 70 ARE LIKELY TONIGHT.

ALL INTERESTS IN SOUTH AND CENTRAL FLORIDA SHOULD CONTINUE TO KEEP IN TOUCH WITH FUTURE ADVICES.

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

DUNN

NUMBER 8 5 PM EST OCTOBER 14 1964

EXTEND HURRICANE WARNINGS 5 PM EST NORTHWARD TO CAPE KENNEDY AND GALE WARNINGS WITH A HURRICANE WATCH TO DAYTONA BEACH.

HURRICANE WARNINGS ARE DISPLAYED FROM FLAMINGO TO FORT MYERS ON THE WEST COAST AND OVER LAKE OKEECHOBEE FROM FORT LAUDERDALE TO CAPE KENNEDY ON THE EAST COAST AND FROM DRY TORTUGAS TO MARATHON IN THE KEYS. GALE WARNINGS WITH A HURRICANE WATCH ARE IN EFFECT ELSEWHERE ON THE EAST COAST NORTHWARD TO DAYTONA BEACH AND A HURRICANE WATCH FORT MYERS TO TAMPA.

HURRICANE ISBELL HAS INCREASED IN FORWARD SPEED AND IS MOVING TOWARD THE NORTH NORTHEAST 18 MPH. HIGHEST WINDS ARE ESTIMATED 100 TO 125 MPH NEAR THE CENTER AND GALES EXTEND OUT 125 MILES TO THE EAST AND 60 MILES TO THE WEST. AT 5 PM EST...2200Z...THE CENTER WAS NEAR LATITUDE 26.0N LONGITUDE 81.4W OR OVER LAND 10 MILES NORTH OF EVERGLADES CITY AND 75 MILES WEST OF THE MIAMI FORT LAUDERDALE AREA.

INDICATIONS ARE FOR SOME FURTHER INCREASE IN FORWARD SPEED WITH THE HURRICANE CENTER PASSING OVER OR A LITTLE SOUTH OF LAKE OKEECHOBEE EARLY THIS EVENING AND OFF THE EAST COAST NEAR VERO BEACH AROUND MIDNIGHT. THE HURRICANE WILL CONTINUE QUITE INTENSE AS IT SWEEPS ACROSS THE STATE FROM THE SOUTHWEST COAST TO THE EAST CENTRAL COASTAL SECTIONS.

TIDES OF 2 TO 5 FEET ARE EXPECTED ALONG THE EAST FLORIDA COAST IN THE AREA OF HURRICANE DISPLAY AND 5 TO 10 FEET IN THE AREA OF HURRICANE DISPLAY ON THE WEST COAST. PRECAUTIONS FOR THE PROTECTION OF LIFE AND PROPERTY SHOULD BE CONTINUED IN THESE AREAS.

HEAVY RAINS OF 5 TO 10 INCHES ARE EXPECTED THROUGH THE EAST AND SOUTH PORTIONS OF FLORIDA AND THERE IS A POSSIBILITY OF A TORNADO. A SMALL TORNADO WAS REPORTED IN THE MIAMI AREA.

SMALL CRAFT AROUND THE FLORIDA PENINSULA AND NORTHWARD TO INCLUDE THE SOUTH CAROLINA COAST SHOULD REMAIN IN PORT OR SEEK SAFE HARBOR AND THOSE IN EXTREME NORTHERN BAHAMAS SHOULD NOT VENTURE FAR FROM PORT.

HURRICANE WINDS WERE REPORTED FROM EVERGLADES CITY BETWEEN 3 AND 4 PM AND WERE IN THE EYE AT LITTLE AFTER 4 PM. THEY PROBABLY WERE HAVING WINDS IN EXCESS OF 100 MPH AT 5 PM.

HURRICANE WARNINGS ARE DISPLAYED FROM FLAMINGO TO FORT MYERS ON THE WEST COAST OVER LAKE OKEECHOBEE FROM FORT LAUDERDALE TO CAPE KENNEDY ON THE EAST COAST AND FROM DRY TORTUGAS TO MARATHON IN THE KEYS. GALE WARNINGS WITH A HURRICANE WATCH ARE IN EFFECT ELSEWHERE ON THE EAST COAST NORTHWARD TO DAYTONA BEACH AND A HURRICANE WATCH FORT MYERS TO TAMPA.

THE NEXT ADVISORY WILL BE ISSUED AT 11 PM EST FROM THE MIAMI WEATHER BUREAU AND THERE WILL BE BULLETINS AT 7 AND 9 PM EST.

KRAFT

MIAMI

7 PM EST WEDNESDAY OCTOBER 14 1964

HURRICANE WARNINGS ARE DISPLAYED AROUND LAKE OKEECHOBEE AND FROM FORT LAUDERDALE TO CAPE KENNEDY ON THE EAST COAST. GALE WARNINGS WITH A HURRICANE WATCH ARE IN EFFECT FROM MARATHON TO FORT LAUDERDALE AND FROM CAPE KENNEDY TO DAYTONA BEACH. HURRICANE WARNINGS REMAIN IN EFFECT FROM DRY TORTUGAS TO MARATHON IN THE KEYS AND FROM FLAMINGO TO FORT MYERS ON THE WEST COAST AND A HURRICANE WATCH NORTHWARD TO TAMPA.

HURRICANE ISBELL WAS CENTERED AT 7 PM EST NEAR LATITUDE 26.4 NORTH LONGITUDE 80.8 WEST OR ABOUT 55 MILES NORTHWEST OF MIAMI AND 25 MILES SOUTH SOUTHWEST OF SOUTH BAY AT THE SOUTHERN END OF LAKE OKEECHOBEE.

IT IS CONTINUING NORTHEASTWARD AT ABOUT 18 MPH. HIGHEST WINDS ARE ESTIMATED 100 MPH IN SQUALLS NEAR THE CENTER. GALES EXTEND OUT 125 MILES TO THE EAST AND 60 MILES TO THE WEST.

THE HURRICANE IS EXPECTED TO SWEEP NORTHEASTWARD ACROSS THE STATE AND THE CENTER WILL REACH EAST CENTRAL COASTAL SECTION WITHIN A FEW HOURS PRECEDED BY DANGEROUS WINDS.

THERE HAVE BEEN REPORTS OF TORNADO ACTIVITY NEAR FORT LAUDERDALE AND WEST PALM BEACH AND THERE IS A CHANCE OF OTHERS IN SOUTH FLORIDA DURING THE NEXT SEVERAL HOURS.

TIDES WILL REACH 2 TO 5 FEET ABOVE NORMAL ON THE EAST COAST IN THE AREA OF HURRICANE WARNING DISPLAY.

ALL PRECAUTIONS SHOULD BE CONTINUED IN THE AREA OF WARNING DISPLAY. SMALL CRAFT AROUND THE FLORIDA PENINSULA NORTHWARD TO INCLUDE THE SOUTH CAROLINA COAST HAVE BEEN ADVISED TO REMAIN IN SAFE HARBOR.

THE NEXT REGULAR ADVISORY WILL BE ISSUED BY THE MIAMI WEATHER BUREAU AT 11 PM EST AND AN INTERMEDIATE BULLETIN AT 9 EST.

MOORE

9 PM EST WEDNESDAY OCTOBER 14 1964

HURRICANE WARNINGS ARE DISPLAYED FROM FORT LAUDERDALE TO CAPE KENNEDY AND ON LAKE OKEECHOBEE AND GALE WARNINGS WITH A HURRICANE WATCH FROM CAPE KENNEDY TO DAYTONA BEACH. GALE WARNINGS REMAIN DISPLAYED SOUTH OF FORT LAUDERDALE THRU THE UPPER KEYS BUT THE HURRICANE WATCH IS DISCONTINUED IN THAT AREA AND THE GALE WARNINGS WILL BE DISCONTINUED LATER TONIGHT. WARNINGS ARE DISCONTINUED AT 9 PM FROM DRY TORTUGAS TO MARATHON ON THE FLORIDA KEYS AND FROM FLAMINGO TO TAMPA ON THE WEST COAST BUT PRECAUTIONS SHOULD BE CONTINUED AND SMALL CRAFT REMAIN IN SAFE HARBOR UNTIL WINDS AND SEAS SUBSIDE.

HURRICANE ISBELL IS MOVING RAPIDLY NORTHEASTWARD AND AT 9 PM EST WAS CENTERED NEAR LATITUDE 26.8 NORTH LONGITUDE 80.2 WEST OR ABOUT 12 MILES NORTHWEST OF PALM BEACH. HIGHEST WINDS NEAR THE CENTER ARE APPROXIMATELY 100 MPH AND GALES EXTEND OUT ABOUT 125 MILES SOUTHEAST AND 50 MILES NORTHWEST OF THE CENTER. BELLE GLADE AT THE SOUTHERN END OF LAKE OKEECHOBEE RECEIVED 80 MPH WINDS WHEN THE CENTER PASSED A SHORT DISTANCE SOUTH OF THERE. PALM BEACH HAD WINDS TO 70 MPH AND INCREASING JUST PRIOR TO ISSUANCE OF THIS BULLETIN. IN ADDITION TO TORNADOES REPORTED EARLIER IN THE MIAMI FORT LAUDERDALE AND PALM BEACH AREAS ONE HAS BEEN REPORTED DURING THE LAST HOUR NEAR EAU GALLIE. THERE WERE SOME INJURIES BUT NO DEATHS REPORTED.

ISBELL IS EXPECTED TO CONTINUE NORTHEASTWARD AT ABOUT 20 MPH WITH THE CENTER MOVING INTO THE ATLANTIC NORTH OF PALM BEACH WITHIN THE NEXT HOUR WITH SOME INCREASE IN SIZE AND INTENSITY LIKELY THEREAFTER.

ALL PRECAUTIONS SHOULD BE CONTINUED AGAINST DANGEROUS WINDS IN THE AREA OF WARNING DISPLAY AND FOR TIDES OF 2 TO 5 FEET ABOVE NORMAL ALONG THE CENTRAL EAST COAST OF FLORIDA.

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

MOORE

NUMBER 9 11 PM EST WEDNESDAY OCTOBER 14 1964

HURRICANE WARNINGS ARE DISPLAYED FROM FORT LAUDERDALE TO CAPE KENNEDY AND ON LAKE OKEECHOBEE AND GALE WARNINGS FROM CAPE KENNEDY TO DAYTONA BEACH. LOWER WARNINGS SOUTH OF FORT LAUDERDALE THROUGH THE FLORIDA KEYS AND DISCONTINUE THE HURRICANE WATCH FROM CAPE KENNEDY TO DAYTONA BEACH AT 11 PM EST.

THE WARNINGS NOW DISPLAYED ON THE FLORIDA EAST COAST AND ON LAKE OKEECHOBEE WILL BE DISCONTINUED LATER TONIGHT OR EARLY THURSDAY AS WINDS AND SEAS SUBSIDE BUT ALL INTERESTS SHOULD CONTINUE PRECAUTIONS UNTIL CONDITIONS HAVE IMPROVED.

SMALL CRAFT ALL AROUND THE FLORIDA PENINSULA AND NORTHWARD TO CAPE HATTERAS SHOULD REMAIN IN PORT. WINDS MAY INCREASE ON THE FLORIDA WEST COAST FROM TAMPA SOUTHWARD AND ON THE KEYS LATE TONIGHT AND THURSDAY AS THE RESULT OF A LOW PRESSURE TROUGH MOVING SOUTHEASTWARD.

AT 11 PM EST...0400Z...HURRICANE ISBELL WAS CENTERED IN THE ATLANTIC OFF THE FLORIDA EAST COAST NEAR LATITUDE 27.4 NORTH LONGITUDE 79.6 WEST OR ABOUT 50 MILES EAST OF FORT PIERCE. IT WAS MOVING TOWARD THE NORTHEAST AT ABOUT 20 MPH. HIGHEST WINDS ARE ESTIMATED 100 MPH NEAR THE CENTER AND GALES EXTEND 120 MILES TO THE EAST AND ABOUT 50 MILES TO THE WEST OF THE CENTER.

ISBELL IS EXPECTED TO CONTINUE TOWARD THE NORTHEAST AT ABOUT 20 MPH DURING THE NEXT 12 TO 18 HOURS. A GRADUAL INCREASE IN INTENSITY AND SIZE IS FORECAST NOW THAT THE CIRCULATION IS BACK OVER THE ATLANTIC.

TIDES FROM CAPE KENNEDY TO THE VICINITY OF CHARLESTON SOUTH CAROLINA WILL RANGE FROM 2 TO 4 FEET ABOVE NORMAL.

THE HEAVY RAINS AND TORNADO THREAT OVER FLORIDA HAVE NOW ENDED.

HURRICANE WARNINGS ARE DISPLAYED FROM FORT LAUDERDALE TO CAPE KENNEDY AND ON LAKE OKEECHOBEE AND GALE WARNINGS FROM CAPE KENNEDY TO DAYTONA BEACH. THESE WILL BE LOWERED LATER WHEN WINDS AND SEAS SUBSIDE. SMALL CRAFT AROUND THE FLORIDA PENINSULA AND NORTHWARD TO CAPE HATTERAS SHOULD REMAIN IN PORT.

THE NEXT ADVISORY WILL BE ISSUED FROM THE MIAMI WEATHER BUREAU AT 5 AM EST WITH THE NEXT INTERMEDIATE BULLETIN SCHEDULED AT 1 AM EST.

MOORE

MIAMI

1 AM EST THURSDAY OCTOBER 15 1964

HURRICANE WARNINGS ARE DISPLAYED FROM FORT LAUDERDALE TO CAPE KENNEDY AND ON LAKE OKRECHOBEE. GALE WARNINGS ARE DISPLAYED FROM CAPE KENNEDY TO DAYTONA BEACH. HURRICANE AND GALE WARNINGS WILL BE LOWERED AT 5 AM AS WINDS AND SEAS SUBSIDE BUT ALL INTERESTS SHOULD CONTINUE PRECAUTIONS UNTIL CONDITIONS IMPROVE.

SMALL CRAFT ALL AROUND THE FLORIDA PENINSULA AND NORTHWARD TO CAPE HATTERAS SHOULD REMAIN IN PORT. WINDS MAY INCREASE ON THE FLORIDA WEST COAST RANGING FROM 15 TO 30 KNOTS THURSDAY AS THE RESULT OF A LOW PRESSURE TROUGH IN THE EAST CENTRAL GULF OF MEXICO MOVING EASTWARD.

AT 1 AM EST HURRICANE ISBELL WAS CENTERED NEAR LATITUDE 27.8N LONGITUDE 79.1W. THIS POSITION IS BASED UPON LAND BASED RADAR AND IS NEARLY 85 MILES EASTNORTHEAST OF VERO BEACH FLORIDA. ISBELL CONTINUES TO MOVE ON A NORTHEASTERLY COURSE AT LEAST 20 MPH POSSIBLY A LITTLE FASTER.

HIGHEST WINDS ARE ESTIMATED 100 MPH NEAR THE CENTER AND GALES EXTEND 120 MILES TO THE EAST AND ABOUT 50 MILES TO THE WEST OF THE CENTER. A GRADUAL INCREASE IN SIZE AND INTENSITY IS FORECAST.

TIDES FROM CAPE KENNEDY TO THE VICINITY OF CHARLESTON SOUTH CAROLINA WILL RANGE FROM 2 TO 4 FEET ABOVE NORMAL THURSDAY.

THE THREAT OF HEAVY RAINS AND TORNADOES ASSOCIATED WITH ISBELL HAS ENDED. HOWEVER OCCASIONAL RAIN WILL CONTINUE OVER THE PENINSULA FOR THE NEXT DAY OR SO BECAUSE OF THE LOW PRESSURE TROUGH IN THE GULF,

THE LOWEST SEA LEVEL PRESSURE ON THE FLORIDA EAST COAST AT MIDNIGHT WAS 29.54 INCHES AT VERO BEACH. WINDS HAVE SUBSIDED ALONG THE EAST CENTRAL AND LOWER SOUTHEAST COAST DURING THE PAST FEW HOURS.

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

SUGG

NUMBER 10 5 AM EST THURSDAY OCTOBER 15 1964

LOWER ALL HURRICANE AND GALE WARNINGS ALONG THE FLORIDA EAST COAST.

GALE WARNINGS ARE DISPLAYED FROM CAPE HATTERAS NORTHWARD TO THE VIRGINIA CAPES.

SMALL CRAFT AROUND THE FLORIDA PENINSULA AND NORTHWARD TO THE VIRGINIA CAPES SHOULD REMAIN IN PORT OR PROTECTED WATERS. WINDS WILL CONTINUE 15 TO 30 MPH AROUND FLORIDA AND NORTHWARD TO CAPE HATTERAS WHILE SEAS WILL REMAIN MODERATE TO ROUGH TODAY AND TONIGHT AND PROBABLY INTO FRIDAY.

AT 5 AM EST...1000Z...HURRICANE ISBELL WAS CENTERED NEAR LATITUDE 29.3N LONGITUDE 77.7W. THIS POSITION IS BASED UPON LAND BASED RADAR AND IS ABOUT 200 MILES EAST OF DAYTONA BEACH FLORIDA. ISBELL IS MOVING TOWARD THE NORTH NORTHEAST NEAR 25 MPH AND IS EXPECTED TO CONTINUE THIS COURSE AND SPEED FOR THE NEXT 12 HOURS. A TURN TO THE RIGHT TOWARD THE NORTHEAST IS EXPECTED TONIGHT.

HIGHEST WINDS ARE ESTIMATED NEAR 100 MPH NEAR THE CENTER. THE HURRICANE IS GROWING LARGER AND GALES ARE EXPECTED TO EXTEND OUT AROUND 200 MILES TO THE NORTHEAST AND 100 MILES TO THE SOUTHWEST OF THE CENTER TODAY WITH NO CHANGE INDICATED TONIGHT. NO IMPORTANT CHANGE IN INTENSITY IS FORECAST.

TIDES FROM CAPE KENNEDY TO THE VICINITY OF CHARLESTON SOUTH CAROLINA WILL RANGE FROM 2 TO 4 FEET ABOVE NORMAL TODAY AND TONIGHT AND WILL BE INCREASING IN THE AREA OF GALE WARNING DISPLAY CAPE HATTERAS NORTHWARD TO THE VIRGINIA CAPES.

OCCASIONAL RAIN SOUTHEASTERN STATES MAINLY OVER THE CAROLINAS GEORGIA AND FLORIDA IS ASSOCIATED WITH A TROUGH OF LOW PRESSURE EXTENDING FROM THE LOWER MISSISSIPPI VALLEY SOUTHEASTWARD INTO THE EAST CENTRAL GULF OF MEXICO. RAIN CONTINUING TODAY AND TONIGHT AND TAPERING OFF DURING FRIDAY.

THE NEXT ADVISORY WILL BE ISSUED BY THE MIAMI WEATHER BUREAU AT 11 AM EST WITH AN INTERMEDIATE BULLETIN AT 8 AM EST.

SUGG

8 AM EST THURSDAY OCTOBER 15 1964

GALE WARNINGS ARE DISPLAYED FROM CAPE HATTERAS NORTHWARD TO THE VIRGINIA CAPES.

SMALL CRAFT AROUND THE FLORIDA PENINSULA AND NORTHWARD TO THE VIRGINIA CAPES SHOULD REMAIN IN PORT OR PROTECTED WATERS. WINDS WILL CONTINUE 15 TO 30 MPH AROUND FLORIDA AND NORTHWARD TO CAPE HATTERAS WHILE SEAS WILL REMAIN MODERATE TO ROUGH TODAY AND TONIGHT AND PROBABLY INTO FRIDAY.

AT 8 AM EST HURRICANE ISBELL WAS CENTERED NEAR LATITUDE 30.2N LONGITUDE 77.2W. THIS POSITION IS BASED UPON LAND BASED RADAR AND AIR RECONNAISSANCE AND IS ABOUT 250 MILES EAST OF JACKSONVILLE BEACH FLORIDA. ISBELL IS MOVING TOWARD THE NORTH NORTHEAST NEAR 25 MPH AND IS EXPECTED TO CONTINUE THIS COURSE AND SPEED TODAY. A TURN TO THE RIGHT TOWARD THE NORTHEAST IS EXPECTED TONIGHT.

HIGHEST WINDS ARE ESTIMATED NEAR 100 MPH NEAR THE CENTER. THE HURRICANE IS GROWING LARGER AND GALES ARE EXPECTED TO EXTEND OUT AROUND 200 MILES TO THE NORTHEAST AND 100 MILES TO THE SOUTHWEST OF THE CENTER TODAY WITH NO CHANGE INDICATED TONIGHT. NO IMPORTANT CHANGE IN INTENSITY IS FORECAST.

TIDES FROM CAPE KENNEDY TO THE VICINITY OF CHARLESTON SOUTH CAROLINA WILL RANGE FROM 2 TO 4 FEET ABOVE NORMAL TODAY AND TONIGHT AND WILL BE INCREASING IN THE AREA OF GALE WARNINGS DISPLAY CAPE HATTERAS NORTHWARD TO THE VIRGINIA CAPES.

OCCASIONAL RAIN SOUTHEASTERN STATES MAINLY OVER THE CAROLINAS GEORGIA AND FLORIDA IS ASSOCIATED WITH A TROUGH OF LOW PRESSURE EXTENDING FROM THE LOWER MISSISSIPPI VALLEY SOUTHEASTWARD INTO THE EAST CENTRAL GULF OF MEXICO. RAIN CONTINUING TODAY AND TONIGHT AND TAPERING OFF DURING FRIDAY.

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

SUGG

MIAMI

NUMBER 11 930 AM EST OCTOBER 15 1964

GALE WARNINGS AND A HURRICANE WATCH ARE INDICATED AT 930 AM EST FROM CHARLESTON NORTHWARD ALONG THE ENTIRE NORTH CAROLINA COAST.

HURRICANE ISBELL IS MAKING A BROAD TURN AND IS NOW MOVING NORTHWARD ABOUT 25 MPH AND IS EXPECTED TO TURN MORE TOWARD THE NORTHWEST PROBABLY REACHING THE CAROLINA COAST THIS AFTERNOON. AND ALL INTERESTS IN THE AREA OF HURRICANE WATCH SHOULD TAKE PRELIMINARY STEPS TO PROTECT AGAINST HURRICANE FORCE WINDS AND HIGH TIDES. HURRICANE WARNINGS WILL PROBABLY BE HOLSTED FOR A PORTION OF THIS AREA WITH THE NEXT ADVISORY AT 11 AM EST.

AT 930 AM EST...1430Z...HURRICANE ISBELL WAS NEAR LATITUDE 31N AND LONGITUDE 77W AND A HALF OR ABOUT 240 MILES EAST OF BRUNSWICK GEORGIA. HIGHEST WINDS ARE ESTIMATED NEAR 100 MPH NEAR THE CENTER AND THE HURRICANE HAS A POTENTIAL TO PRODUCE A TIDE OF 8 FEET NEAR AND A LITTLE TO THE NORTH OF WHERE THE HURRICANE REACHES THE COAST.

ALL INTERESTS IN THE AREA OF HURRICANE WATCH SHOULD AWAIT THE 11 AM EST ADVISORY AS MORE DEFINITE INFORMATION WILL BE AVAILABLE AT THAT TIME.

KRAFT

NUMBER 12 11 AM EST OCTOBER 15 1964

HOIST HURRICANE WARNINGS 11 AM EST FROM GEORGETOWN TO MOREHEAD CITY. GALE WARNINGS AND A HURRICANE WATCH ARE IN EFFECT ELSEWHERE FROM CHARLESTON NORTHWARD ALONG THE CAROLINA COASTS AND GALE WARNINGS ON THE VIRGINIA CAPES.

HURRICANE ISBELL IS MAKING A TURN MORE TOWARD THE NORTHWEST. IT HAS NOW BECOME TRAPPED UNDER A NORTHWARD AND NORTHWESTWARD UPPER LEVEL FLOW.

HIGHEST WINDS ARE ESTIMATED 100 MPH NEAR THE CENTER WITH GALES EXTENDING OUT 175 MILES TO THE EAST AND 80 MILES TO THE WEST. THIS HURRICANE HAS A TIDE POTENTIAL FOR 8 FEET NEAR AND A LITTLE NORTH OF WHERE THE HURRICANE REACHES THE COAST AND TIDES 4 TO 8 FEET ARE EXPECTED IN THE AREA OF HURRICANE DISPLAY. ALL PRECAUTIONS SHOULD BE COMPLETED BY MID AFTERNOON AS THE CENTER IS EXPECTED TO REACH THE COAST THIS AFTERNOON OR EARLY THIS EVENING.

AT 11 AM EST...1600Z...HURRICANE ISBELL WAS CENTERED NEAR LATITUDE 30.7 NORTH LONGITUDE 77.3 WEST OR ABOUT 250 MILES EAST OF BRUNSWICK GEORGIA MOVING NORTHWARD 20 TO 25 MPH. IT WILL LIKELY SLOW SOME AS IT MAKES THE TURN.

ALL INTERESTS IN THE AREA OF HURRICANE WATCH SHOULD TAKE PRELIMINARY PRECAUTIONS AND BE READY TO TAKE FAST ACTION IN CASE IT BECOMES NECESSARY TO CHANGE THE WARNINGS.

TIDES OF 2 TO 5 FEET ARE EXPECTED IN THE AREA OF GALE DISPLAY AND 4 TO 8 FEET IN THE AREA OF HURRICANE DISPLAY. ANY LOW LYING AREA WHICH WOULD BE CUT OFF BY THESE TIDES SHOULD BE EVACUATED BY MID AFTERNOON. SMALL CRAFT FROM NORTHEASTERN FLORIDA NORTHWARD THRU VIRGINIA SHOULD REMAIN IN PORT AND THOSE IN GALE AND HURRICANE DISPLAY AREA SEEK SAFE HARBOR.

HURRICANE WARNINGS ARE DISPLAYED FROM GEORGETOWN SOUTH CAROLINA TO MOREHEAD CITY NORTH CAROLINA. GALE WARNINGS WITH A HURRICANE WATCH ARE IN EFFECT ELSEWHERE FROM CHARLESTON NORTHWARD ALONG THE CAROLINA COASTS AND GALE WARNINGS ON THE VIRGINIA CAPES.

THE NEXT ADVISORY WILL BE ISSUED BY THE MIAMI WEATHER BUREAU AT 5 PM EST AND THERE WILL BE BULLETINS AT 1 AND 3 PM.

KRAFT

1 PM EST OCTOBER 15 1964

HURRICANE WARNINGS ARE DISPLAYED FROM GEORGETOWN SOUTH CAROLINA TO MOREHEAD CITY NORTH CAROLINA. GALE WARNINGS WITH A HURRICANE WATCH ARE IN EFFECT ELSEWHERE FROM CHARLESTON NORTHWARD ALONG THE CAROLINA COASTS AND GALE WARNINGS ON THE VIRGINIA CAPES.

AT 1 PM HURRICANE ISBELL WAS ESTIMATED NEAR LATITUDE 31.2 NORTH LONGITUDE 77.2 WEST OR ABOUT 180 MILES SOUTHEAST OF GEORGETOWN SOUTH CAROLINA MOVING TOWARD THE NORTH 20 MPH. HIGHEST WINDS ARE ESTIMATED 100 MPH NEAR THE CENTER AND GALES EXTEND OUT 175 MILES TO THE EAST AND 80 MILES TO THE WEST OF THE CENTER. THIS HURRICANE HAS A POTENTIAL TO PRODUCE TIDES UP TO 8 FEET ABOVE NORMAL NEAR AND A LITTLE NORTH OF WHERE THE CENTER REACHES THE COAST.

INDICATIONS ARE FOR A TURN TOWARD THE NORTHWEST THIS AFTERNOON PROBABLY SLOWING SOME IN FORWARD SPEED WITH THE HURRICANE REACHING THE COAST EARLY THIS EVENING. ALL INTERESTS IN THE AREA OF HURRICANE DISPLAY SHOULD COMPLETE PRECAUTIONS AND THOSE IN GALE AND HURRICANE WATCH SHOULD MAKE PLANS AND BE READY TO TAKE FAST ACTION IN CASE WARNINGS ARE NEEDED LATER.

TIDES OF 2 TO 5 FEET ARE EXPECTED IN THE AREA OF GALE DISPLAY AND 4 TO 8 FEET IN THE AREA OF HURRICANE DISPLAY. ANY LOW LYING AREA WHICH WOULD BE CUT OFF BY THESE TIDES SHOULD BE EVACUATED BY MID AFTERNOON.

SMALL CRAFT FROM NORTHEASTERN FLORIDA NORTHWARD THRU THE VIRGINIA COAST SHOULD REMAIN IN PORT OR SEEK SAFE HARBOR.

HURRICANE WARNINGS ARE DISPLAYED FROM GEORGETOWN TO MOREHEAD CITY. GALE WARNINGS WITH A HURRICANE WATCH ELSEWHERE FROM CHARLESTON NORTHWARD ALONG THE CAROLINA COASTS AND GALE WARNINGS ON THE VIRGINIA CAPES.

THE NEXT ADVISORY WILL BE ISSUED AT 5 PM EST FROM THE MIAMI WEATHER BUREAU WITH A BULLETIN AT 3 PM EST.

KRAFT

MIAMI

3 PM EST OCTOBER 15 1964

HURRICANE WARNINGS ARE DISPLAYED FROM GEORGETOWN SOUTH CAROLINA TO MOREHEAD CITY NORTH CAROLINA. GALE WARNINGS WITH A HURRICANE WATCH ARE IN EFFECT FROM CHARLESTON NORTHWARD ALONG THE CAROLINA COASTS AND GALE WARNINGS ALONG THE VIRGINIA CAPES.

LATEST REPORTS FROM AIRCRAFT INDICATE THAT HURRICANE ISBELL HAS NOT TURNED AS PREVIOUSLY THOUGHT AND IS MOVING TOWARD THE NORTHEAST ABOUT 20 MPH. THIS HAS LESSENERED THE THREAT TO THE CAROLINA COASTS CONSIDERABLY AND ESPECIALLY TO THE SOUTH CAROLINA COAST. THE HURRICANE SEEMS TO BE STERRING WITH A HIGHER LEVEL FLOW. THE NEXT FEW HOURS SHOULD DETERMINE WHETHER THE HURRICANE WILL BE CAUGHT BY THE MID LEVEL CIRCULATION AND TURN NORTHWARD OR WHETHER IT OUT RUNS IT AND CONTINUES NORTHEASTWARD.

AT 3 PM EST THE CENTER WAS LOCATED BY RECONNAISSANCE AIRCRAFT NEAR LATITUDE 31.0 NORTH LONGITUDE 76.0 WEST OR ABOUT 250 MILES SOUTHEAST OF GEORGETOWN SOUTH CAROLINA. THE HIGHEST WINDS ARE ESTIMATED 90 MPH WITH GALES 175 MILES TO EAST AND 80 MILES TO THE WEST OF THE CENTER.

ALL INTERESTS SHOULD LISTEN FOR THE NEXT FEW RELEASES AS THE COURSE OF THE HURRICANE SHOULD BECOME MORE CERTAIN WITHIN THE NEXT FEW HOURS.

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

KRAFT

NUMBER 13 5 PM EST OCTOBER 15 1964

LOWER WARNINGS ON SOUTH CAROLINA COAST. CHANGE WARNINGS ELSEWHERE SO THAT GALE WARNINGS WITH A HURRICANE WATCH ARE IN EFFECT ON NORTH CAROLINA COAST AND GALE WARNINGS ALONG THE VIRGINIA CAPES.

HURRICANE ISBELL WAS CENTERED NEAR LATITUDE 31.5 NORTH LONGITUDE 75.5 WEST AT 5 PM EST...2200Z...OR ABOUT 260 MILES SOUTH OF CAPE HATTERAS. IT IS MOVING TOWARD THE NORTHEAST ABOUT 20 MPH. HIGHEST WINDS ARE ESTIMATED 90 MPH WITH GALES EXTENDING OUT 175 MILES TO THE EAST AND 80 MILES TO THE WEST.

THE FUTURE COURSE IS UNCERTAIN. ITS PRESENT NORTHEASTERLY MOVEMENT WILL PROBABLY CONTINUE FOR 6 HOURS WITH A TURN TO NORTHERLY LIKELY THEREAFTER. ALL INTERESTS ALONG THE NORTH CAROLINA COAST SHOULD CONTINUE ON THE ALERT FOR THE NEXT FEW RELEASES SINCE FUTURE MOVEMENT MAY BECOME MORE CERTAIN.

TIDES OF 2 TO 5 FEET ABOVE NORMAL WILL OCCUR ALONG THE COASTAL SECTIONS OF NORTH CAROLINA AND VIRGINIA CAPES TONIGHT AND AROUND 2 FEET ABOVE NORMAL ON THE SOUTH CAROLINA AND GEORGIA COASTS.

SMALL CRAFT FROM THE NORTHEAST FLORIDA COAST NORTHWARD THRU THE VIRGINIA COAST SHOULD REMAIN IN PORT.

GALE WARNINGS WITH A HURRICANE WATCH ARE IN EFFECT ON THE NORTH CAROLINA COAST AND GALE WARNINGS ALONG THE VIRGINIA CAPES.

THE NEXT ADVISORY WILL BE ISSUED AT 11 PM EST BY THE MIAMI WEATHER BUREAU OFFICE AND THERE WILL BE BULLETINS AT 7 AND 9 PM EST.

KRAFT

7 PM EST THURSDAY OCTOBER 15 1964

GALE WARNINGS AND A HURRICANE WATCH ARE IN EFFECT ON THE NORTH CAROLINA COAST AND GALE WARNINGS ON THE VIRGINIA CAPES.

INTERESTS IN THESE AREAS AND ALSO ON THE UPPER SOUTH CAROLINA COAST SHOULD KEEP IN CLOSE TOUCH WITH ADVICES DURING THE NIGHT SINCE THE EXACT COURSE OF ISBELL DURING THE NEXT 12 TO 24 HOURS IS DIFFICULT TO PREDICT.

LATEST REPORTS FROM RECONNAISSANCE AIRCRAFT SHOW A MORE NORTHERLY MOVEMENT THAN INDICATED EARLIER. THERE IS A POSSIBILITY THAT THIS IS THE FIRST EVIDENCE OF THE EFFECT OF CHANGING STEERING CURRENTS WHICH COULD TURN THE HURRICANE TO A NORTH TO NORTHWEST COURSE AND OFFER A GREATER THREAT TO THE COAST.

AT 7 PM EST ISBELL WAS CENTERED NEAR LATITUDE 31.9 NORTH LONGITUDE 76.1 WEST OR ABOUT 195 MILES SOUTHEAST OF WILMINGTON NORTH CAROLINA. THE HURRICANE IS MOVING TOWARD THE NORTH AT ABOUT 18 MPH. IT IS EXPECTED TO CONTINUE AT ABOUT THE SAME FORWARD SPEED WITH A POSSIBLE TURN TO A MORE NORTHWESTERLY DIRECTION DURING THE NIGHT.

HIGHEST WINDS ARE ESTIMATED 90 MPH WITH GALES EXTENDING OUT 175 MILES TO THE EAST AND 80 MILES TO THE WEST OF THE CENTER.

TIDES OF 2 TO 5 FEET ABOVE NORMAL WILL OCCUR ALONG COASTAL SECTIONS OF NORTH CAROLINA AND THE VIRGINIA CAPES AND ABOUT 2 FEET IS PRESENTLY INDICATED ON THE SOUTH CAROLINA AND GEORGIA COASTS FOR TONIGHT AND EARLY FRIDAY.

SMALL CRAFT FROM THE NORTHEAST FLORIDA COAST NORTHWARD THROUGH THE VIRGINIA COAST SHOULD REMAIN IN PORT.

IT IS REEMPHASIZED THAT INTERESTS FROM THE UPPER SOUTH CAROLINA COAST TO THE VIRGINIA CAPES SHOULD KEEP IN CLOSE TOUCH WITH LATER ADVICES ON THE HURRICANE UNTIL THE FUTURE COURSE BECOMES MORE DEFINITE. A CHANGE IN THE WARNINGS MAY BECOME NECESSARY IN THE NEXT BULLETIN AT 9 PM OR THE NEXT FORMAL ADVISORY TO BE ISSUED FROM THE MIAMI WEATHER AT 11 PM.

MOORE

MIAMI

9 PM EST THURSDAY OCTOBER 15 1964

GALE WARNINGS AND A HURRICANE WATCH ARE IN EFFECT ON THE NORTH CAROLINA COAST AND GALE WARNINGS ON THE VIRGINIA CAPES.

INTERESTS IN THE WARNING AREA SHOULD COMPLETE ALL PRECAUTIONARY MEASURES AGAINST DANGEROUS WINDS AND TIDES AS QUICKLY AS POSSIBLE AND PERSONS IN AREAS WHICH WILL BE FLOODED BY TIDES OF FIVE FEET ABOVE NORMAL SHOULD MOVE TO SAFETY.

DANGEROUS GALES ARE LIKELY ON THE NORTH CAROLINA COAST AND VIRGINIA CAPES LATER TONIGHT AND EARLY FRIDAY PARTICULARLY IN THE AREA FROM MOREHEAD CITY NORTHWARD THROUGH COASTAL SECTIONS OF NORTH CAROLINA. INTERESTS ON THE UPPER SOUTH CAROLINA COAST SHOULD ALSO KEEP IN CLOSE TOUCH WITH ADVICES ON ISBELL DURING THE NIGHT.

THE HURRICANE IS CONTINUING ON A NORTHWARD COURSE AT 17 MPH AND AT 9 PM WAS CENTERED NEAR LATITUDE 32.5 NORTH LONGITUDE 76.1 WEST.

THIS POSITION IS ABOUT 160 MILES SOUTHEAST OF WILMINGTON NORTH CAROLINA. IT IS EXPECTED TO CONTINUE TOWARD THE NORTH AT ABOUT THE SAME RATE DURING THE NEXT 12 HOURS WITH A POSSIBLE TURN TO THE NORTH NORTHWEST. IF THIS OCCURS THE CENTER WOULD REACH THE COAST BETWEEN WILMINGTON AND HATTERAS LATE TONIGHT OR EARLY FRIDAY PRECEDED BY INCREASING WINDS THE REMAINDER OF THE NIGHT.

HIGHEST WINDS NEAR THE CENTER HAVE PROBABLY DECREASED SLIGHTLY AND ARE NOW ESTIMATED 75 MPH. GALES EXTEND OUT 175 MILES TO THE EAST AND 80 MILES WEST OF THE CENTER.

SMALL CRAFT FROM THE NORTHEAST FLORIDA COAST NORTHWARD THROUGH THE VIRGINIA COAST SHOULD REMAIN IN PORT.

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

MOORE

NUMBER 14 11 PM EST THURSDAY OCTOBER 15 1964

GALE WARNINGS AND A HURRICANE WATCH ARE IN EFFECT ON THE NORTH CAROLINA COAST AND GALE WARNINGS ON THE VIRGINIA CAPES.

INTERESTS IN THE THE WARNING AREA SHOULD COMPLETE ALL PROTECTIVE MEASURES AGAINST DANGEROUS WINDS AND TIDES IMMEDIATELY.

DANGEROUS GALES WILL OCCUR ON THE NORTH CAROLINA COAST AND VIRGINIA CAPES LATER DURING THE NIGHT AND EARLY FRIDAY PARTICULARLY IN THE AREA FROM MOREHEAD CITY NORTH CAROLINA NORTHWARD THROUGH COASTAL SECTIONS OF NORTH CAROLINA WHERE GUSTS MAY REACH NEAR HURRICANE FORCE.

TIDES IN THE AREA FROM MOREHEAD CITY TO THE VIRGINIA CAPES WILL RANGE FROM 3 TO 6 FEET ABOVE NORMAL AND TIDES ELSEWHERE FROM DELAWARE BREAKWATER AND CHESAPEAKE BAY TO CHARLESTON SOUTH CAROLINA WILL RANGE FROM 2 TO LOCALLY AS MUCH AS 4 FEET ABOVE NORMAL LEVELS. PERSONS IN AREAS SUBJECT TO FLOODING BY TIDES OF THESE LEVELS SHOULD MOVE TO PLACES OF SAFETY IMMEDIATELY.

HURRICANE ISBELL IS MOVING ON A COURSE BETWEEN NORTH AND NORTH NORTHWEST AT 16 MPH AND AT 11 PM EST...0400Z...WAS CENTERED NEAR LATITUDE 32.9 NORTH LONGITUDE 76.1 WEST. THIS POSITION IS APPROXIMATELY 140 MILES SOUTHEAST OF WILMINGTON NORTH CAROLINA.

ISBELL HAS DECREASED SLIGHTLY IN INTENSITY AND HIGHEST WINDS ARE NOW 75 MPH NEAR THE CENTER. GALES EXTEND OUT 175 MILES TO THE NORTH AND EAST AND 80 MILES SOUTHWEST OF THE CENTER.

COOLER AIR WILL BE ENTERING THE CIRCULATION AND SOME FURTHER DECREASE IN HIGHEST WINDS IS EXPECTED DURING THE NEXT 24 HOURS AS ISBELL MOVES ON A NORTH TO NORTH NORTHWEST COURSE AT 16 MPH THROUGH EASTERN NORTH CAROLINA AND VIRGINIA. THE CENTER IS EXPECTED TO REACH THE COAST NEAR MOREHEAD CITY BY DAYBREAK.

MODERATE TO HEAVY RAINS WILL OCCUR OVER THE CAROLINAS AND VIRGINIA AND SOME LOCAL AMOUNTS WILL TOTAL 5 TO 10 INCHES. PEOPLE IN AREAS WHERE THESE HEAVY RAINS FALL SHOULD WATCH FOR STATEMENTS FROM LOCAL WEATHER BUREAU OFFICES CONCERNING POSSIBLE FLOODING.

SMALL CRAFT FROM CAPE KENNEDY FLORIDA NORTHWARD TO CAPE MAY NEW JERSEY SHOULD REMAIN IN SAFE HARBOR OR PROTECTED WATERS.

THE NEXT ADVISORY WILL BE ISSUED FROM THE MIAMI WEATHER BUREAU AT 5 AM EST WITH THE NEXT INTERMEDIATE BULLETIN AT 1 AM EST.

MOORE

MIAMI

1 AM EST FRIDAY OCTOBER 16 1964

GALE WARNINGS AND A HURRICANE WATCH ARE IN EFFECT ON THE NORTH CAROLINA COAST AND GALE WARNINGS ON THE VIRGINIA CAPES.

INTERESTS IN THE WARNING AREA SHOULD COMPLETE ALL PROTECTIVE MEASURES AGAINST DANGEROUS WINDS AND TIDES IMMEDIATELY.

DANGEROUS GALES WILL OCCUR ON THE NORTH CAROLINA COAST AND VIRGINIA CAPES LATER DURING THE NIGHT AND EARLY FRIDAY PARTICULARLY IN THE AREA FROM MOREHEAD CITY NORTH CAROLINA NORTHWARD THROUGH COASTAL SECTIONS OF NORTH CAROLINA WHERE GUSTS MAY REACH NEAR HURRICANE FORCE.

TIDES IN THE AREA FROM MOREHEAD CITY TO THE VIRGINIA CAPES WILL RANGE FROM 3 TO 6 FEET ABOVE NORMAL AND TIDES ELSEWHERE FROM DELAWARE BREAKWATER AND CHESAPEAKE BAY TO CHARLESTON SOUTH CAROLINA WILL RANGE FROM 2 TO LOCALLY AS MUCH AS 4 FEET ABOVE NORMAL LEVELS. PERSONS IN AREAS SUBJECT TO FLOODING BY TIDES OF THESE LEVELS SHOULD MOVE TO PLACES OF SAFETY IMMEDIATELY.

HURRICANE ISBELL IS MOVING ON A COURSE BETWEEN NORTH AND NORTH NORTHWEST AT 16 MPH AND AT 1 AM EST WAS CENTERED NEAR LATITUDE 33.5 NORTH LONGITUDE 76.2 WEST. THIS POSITION IS APPROXIMATELY 85 MILES SOUTH SOUTHEAST OF CAPE LOOKOUT NORTH CAROLINA.

HIGHEST WINDS ARE NOW 75 MPH NEAR THE CENTER. GALES EXTEND OUT 80 MILES FROM THE CENTER EXCEPT AS MUCH AS 175 MILES OVER THE OCEAN.

COOLER AIR WILL BE ENTERING THE CIRCULATION AND SOME FURTHER DECREASE IN HIGHEST WINDS IS EXPECTED DURING THE NEXT 24 HOURS AS ISBELL MOVES ON A NORTH TO NORTH NORTHWEST COURSE AT 16 MPH THROUGH EASTERN NORTH CAROLINA AND VIRGINIA. THE CENTER IS EXPECTED TO REACH THE COAST NEAR MOREHEAD CITY BY DAYBREAK.

MODERATE TO HEAVY RAINS WILL OCCUR OVER THE CAROLINAS AND VIRGINIA AND SOME LOCAL AMOUNTS WILL TOTAL 5 TO 10 INCHES. PEOPLE IN AREAS WHERE THESE HEAVY RAINS FALL SHOULD WATCH FOR STATEMENTS FROM LOCAL WEATHER BUREAU OFFICES CONCERNING POSSIBLE FLOODING.

SMALL CRAFT FROM CAPE KENNEDY FLORIDA NORTHWARD TO CAPE MAY NEW JERSEY SHOULD REMAIN IN SAFE HARBOR OR PROTECTED WATERS.

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

SUGG

NUMBER 15 5 AM EST FRIDAY OCTOBER 16 1964

DISCONTINUE THE HURRICANE WATCH ON THE NORTH CAROLINA COAST.

GALE WARNINGS REMAIN DISPLAYED ON THE NORTH CAROLINA COAST NORTHWARD TO THE VIRGINIA CAPES AND ARE EXTENDED NORTHWARD TO OCEAN CITY MARYLAND.

RADAR AND AIR RECONNAISSANCE INDICATE THAT ISBELL HAS LOST INTENSITY DURING THE NIGHT. AT 5 AM EST...1000Z...THE DIFFUSE CENTER HAS ENTERED THE NORTH CAROLINA COAST AROUND 20 MILES NORTHEAST OF MOREHEAD CITY NEAR LATITUDE 34.9N LONGITUDE 76.5W. ISBELL IS MOVING ON A NORTHERLY COURSE 20 TO 25 MPH. HIGHEST WINDS ARE NO HIGHER THAN 55 MPH WITH GALES EXTENDING OUT 200 MILES OVER THE OPEN OCEAN.

PRECAUTIONS SHOULD BE CONTINUED AGAINST GALE WINDS AND TIDES FROM 2 TO 4 FEET ABOVE NORMAL ALONG THE NORTH CAROLINA COAST AND NORTHWARD TO OCEAN CITY MARYLAND.

THERE IS THE POSSIBILITY OF A TORNADO ALONG THE COASTAL AREA OF NORTH CAROLINA THIS MORNING.

TROPICAL STORM ISBELL WILL DECREASE IN INTENSITY AND FORWARD SPEED AND LOSE HER IDENTITY TODAY AS SHE BECOMES A PART OF A DEVELOPING WINTER TYPE STORM LOCATED NEAR THE UPPER SOUTH CAROLINA COAST AT 5 AM THIS MORNING. THIS STORM WILL MOVE NORTHEASTERLY AND ABSORB ISBELL WITH A SINGLE STORM CENTER OVER THE VIRGINIA CAPES BY LATE THIS AFTERNOON. GALE WINDS WILL CONTINUE OR DEVELOP IN THE AREA OF GALE WARNING DISPLAY TODAY AND TONIGHT BECAUSE OF THIS NEW DEVELOPMENT. HIGHEST WINDS WILL BE 45 TO 50 MPH MAINLY IN SQUALLS WITH GALES CONTINUING TO EXTEND OUT SOME 200 MILES OVER THE OCEAN.

HEAVY RAINS OF 4 TO 8 INCHES ARE EXPECTED OVER THE CAROLINAS AND VIRGINIA AND ALL INTERESTS SHOULD WATCH FOR STATEMENTS FROM LOCAL WEATHER BUREAU OFFICES CONCERNING POSSIBLE FLOODING.

SMALL CRAFT FROM CAPE KENNEDY NORTHWARD TO CAPE MAY NEW JERSEY SHOULD REMAIN IN SAFE HARBOR OR PROTECTED WATERS.

THE NEXT ADVISORY WILL BE ISSUED BY THE WASHINGTON WEATHER BUREAU AT 11 AM EST WITH A BULLETIN FROM WASHINGTON AT 7 AM EST.

SUGG

WASHINGTON

7 AM EST FRIDAY OCTOBER 16 1964

GALE WARNINGS REMAIN DISPLAYED ALONG THE NORTH CAROLINA COAST AND NORTHWARD TO OCEAN CITY MARYLAND. SMALL CRAFT ARE ADVISED TO REMAIN IN PORT ELSEWHERE FROM SOUTHERN NEW JERSEY SOUTHWARD TO FLORIDA.

REPORTS FROM COASTAL WEATHER STATIONS AND RECONNAISSANCE AIRCRAFT INDICATE THAT THE REMAINS OF ISBELL HAVE MOVED INLAND OVER EASTERN NORTH CAROLINA AND AT 7 AM EST THE CENTER WAS ESTIMATED ABOUT 50 MILES WEST OF HATTERAS MOVING NORTHWARD AT ABOUT 12 MPH. HATTERAS REPORTED SOUTHEAST WIND GUSTY TO 50 MPH AT 6 AM EST AND THIS WAS THE HIGHEST WIND REPORTED UP TO THAT TIME.

TIDES ALONG THE COAST RANGED UP TO 2 OR 3 FEET ABOVE NORMAL AS THE CENTER CROSSED THE COAST JUST EAST OF MOREHEAD CITY EARLY THIS MORNING. TIDES ARE EXPECTED TO INCREASE TO 2 TO 4 FEET ABOVE NORMAL WITH THE GALE WINDS AS THE STORM MOVES NORTHWARD UP THE COAST TO THE COAST TO THE VIRGINIA CAPES AREA TODAY.

THERE IS A POSSIBILITY OF A TORNADO ALONG THE COASTAL AREA OF NORTH CAROLINA THIS MORNING.

TROPICAL STORM ISBELL IS NOT EXPECTED TO CHANGE MUCH MORE IN INTENSITY TODAY BUT IS FORECAST TO BECOME A PORTION OF A WINTER TYPE LOW PRESSURE SYSTEM OVER EASTERN NORTH CAROLINA. THE NEW STORM IS FORECAST TO DRIFT NORTHWARD INTO THE VIRGINIA CAPES BY NIGHT THEN TURN EAST NORTHEASTWARD OVER THE ATLANTIC LATER TONIGHT OR SATURDAY.

HEAVY RAINS OF 4 TO 8 INCHES ARE EXPECTED OVER THE CAROLINAS AND VIRGINIA AND ALL INTEREST SHOULD WATCH FOR RIVER FORECAST FROM LOCAL WEATHER BUREAU OFFICES CONCERNING POSSIBLE FLOODING.

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

E. HOOVER

NUMBER 16 11 AM EST FRIDAY OCTOBER 16 1964

HOIST GALE WARNINGS 11 AM EST NORTH OF OCEAN CITY MARYLAND TO MANASQUAN NEW JERSEY AND OVER LOWER CHESAPEAKE BAY. CONTINUE GALE WARNINGS FROM HATTERAS NORTH CAROLINA TO OCEAN CITY MARYLAND BUT LOWER WARNINGS SOUTH OF CAPE HATTERAS.

STORM ISBELL HAS NOW LOST HER TROPICAL CHARACTERISTICS AND HAS BECOME PART OF A LARGE LOW PRESSURE SYSTEM DEVELOPING OVER EASTERN NORTH CAROLINA. AT 11 AM EST...1600Z...THE STORM CENTER WAS NEAR LATITUDE 35.5N LONGITUDE 76.5W OR ABOUT 55 MILES WESTNORTHWEST OF HATTERAS NORTH CAROLINA MOVING SLOWLY NORTHWARD. HIGHEST WINDS ARE 50 TO 55 MPH WITH HIGHER GUSTS AND GALES EXTEND NORTHWARD ABOUT 150 MILES ALONG THE COAST AND ABOUT 200 MILES TO THE EAST.

PRECAUTIONS SHOULD BE CONTINUED FOR GALE WINDS AND TIDES FROM 2 TO 4 FEET ABOVE NORMAL THIS AFTERNOON AND TONIGHT FROM THE STORM CENTER NORTHWARD TO MANASQUAN NEW JERSEY.

STORM ISBELL IS EXPECTED TO MOVE NORTHWARD AT A SPEED OF 10 MPH OR LESS DURING THE NEXT 12 HOURS WITH THE STORM CENTER MOVING OVER EXTREME SOUTHEASTERN VIRGINIA BY TONIGHT AND THEN NORTHEASTWARD ALONG THE COAST. LITTLE CHANGE IN INTENSITY IS INDICATED.

HEAVY RAINS ARE INDICATED FOR NORTH CAROLINA AND VIRGINIA AND ALL INTERESTS SHOULD WATCH FOR STATEMENTS FROM LOCAL WEATHER BUREAU OFFICES CONCERNING POSSIBLE FLOODING.

GALE WARNINGS ARE DISPLAYED FROM CAPE HATTERAS NORTH CAROLINA TO MANASQUAN NEW JERSEY AND OVER LOWER CHESAPEAKE BAY AND SMALL CRAFT IN THESE AREAS SHOULD REMAIN IN SAFE HARBOR OR PROTECTED WATERS. SMALL CRAFT SOUTH OF CAPE HATTERAS SHOULD REMAIN IN PORT UNTIL WINDS AND SEAS SUBSIDE.

THIS WILL BE THE LAST FORMAL ADVISORY ON ISBELL BUT BULLETINS WILL BE ISSUED BY THE WASHINGTON WEATHER BUREAU AT 2 PM AND 5 PM EST.

SCHMIDT

2 PM EST FRIDAY OCTOBER 16 1964

GALE WARNINGS ARE DISPLAYED FROM HATTERAS NORTH CAROLINA NORTHWARD ALONG THE COAST TO MANASQUAN NEW JERSEY AND OVER LOWER CHESAPEAKE BAY.

STORM ISBELL IS NOW PART OF A LARGE LOW PRESSURE SYSTEM WHICH HAS DEVELOPED OVER EASTERN AND CENTRAL NORTH CAROLINA AND AT 2 PM EST A POORLY DEFINED CENTER WAS LOCATED ABOUT 90 MILES WEST OF ELIZABETH CITY. HIGHEST WINDS ARE ABOUT 50 MPH AND GALES EXTEND OUTWARD ABOUT 150 MILES TO THE NORTH AND 200 MILES TO THE EAST.

DURING THE PAST FEW HOURS CAPE HENRY VIRGINIA HAS REPORTED GUSTS TO NEAR 50 MPH AND WINDS ARE NOW INCREASING ON THE MARYLAND COAST. WINDS IN THE CAPE HATTERAS AREA HAVE NOW DIMINISHED TO 20 TO 25 MPH.

PRECAUTIONS SHOULD BE CONTINUED FOR GALE WINDS AND HIGH TIDES OF 2 TO 4 FEET ABOVE NORMAL THIS AFTERNOON AND EVENING NORTHWARD TO COASTAL MARYLAND AND LATER TONIGHT AS FAR NORTH AS NORTHERN NEW JERSEY. TIDES IN THE NORFOLK AREA ARE EXPECTED TO REACH 4 FEET ABOVE NORMAL LATE THIS AFTERNOON WITH CONSIDERABLE FLOODING.

A FEW SEVERE THUNDERSTORMS AND THE POSSIBILITY OF ONE OR TWO TORNADOES ARE EXPECTED TO OCCUR THIS AFTERNOON AND EVENING FROM EXTREME NORTHEAST NORTH CAROLINA ALONG COASTAL SECTIONS TO SOUTHERN NEW JERSEY.

STORM ISBELL IS EXPECTED TO DRIFT SLOWLY NORTHWARD INTO SOUTHEASTERN VIRGINIA BY EARLY TONIGHT AND THEN MOVE NORTH NORTHEASTWARD ALONG THE COAST. THE STORM IS EXPECTED TO REMAIN AT ABOUT THE SAME INTENSITY.

HEAVY RAINS OVER NORTH CAROLINA ARE EXPECTED TO SPREAD INTO SOUTHERN MARYLAND EARLY TONIGHT AND INTO NEW JERSEY LATER TONIGHT. ALL INTERESTS SHOULD WATCH FOR STATEMENTS FROM LOCAL WEATHER BUREAU OFFICES CONCERNING POSSIBLE FLOODING.

GALE WARNINGS ARE DISPLAYED FROM CAPE HATTERAS NORTH CAROLINA TO MANASQUAN NEW JERSEY AND OVER LOWER CHESAPEAKE BAY. WARNINGS WILL BE LOWERED LATER THIS AFTERNOON SOUTH OF THE VIRGINIA CAPES TO CAPE HATTERAS.

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

SCHMIDT

WASHINGTON

5 PM EST FRIDAY OCTOBER 16 1964

GALE WARNINGS ARE DISPLAYED ALONG THE COAST FROM NORTH OF THE VIRGINIA CAPES TO MANASQUAN NEW JERSEY. GALE WARNINGS LOWERED AT 5 PM EST FROM VIRGINIA CAPES TO CAPE HATTERAS AND LOWER CHESAPEAKE BAY. SMALL CRAFT IN THE VIRGINIA CAPES AND CHESAPEAKE BAY AREA SHOULD REMAIN IN PORT UNTIL WINDS AND SEAS SUBSIDE.

IT IS NO LONGER POSSIBLE TO LOCATE THE REMNANTS OF STORM ISBELL SINCE IT IS NOW COMPLETELY ABSORBED BY THE LARGER STORM WHICH DEVELOPED OVER CENTRAL NORTH CAROLINA. AT 5 PM EST THE CENTER OF THE MAJOR DISTURBANCE WAS NORTH OF RALEIGH NEAR THE NORTH CAROLINA VIRGINIA BORDER. THIS DISTURBANCE IS EXPECTED TO MOVE THROUGH SOUTHEASTERN VIRGINIA THIS EVENING AND TO SOUTHERN NEW JERSEY BY SATURDAY MORNING.

WINDS ARE INCREASING NORTH OF THE VIRGINIA CAPES AND ARE EXPECTED TO REACH 35 TO 45 MPH ALONG THE MARYLAND COAST WITHIN THE NEXT FEW HOURS AND LATER TONIGHT AS FAR NORTH AS THE COAST OF NORTHERN NEW JERSEY. TIDES FROM THE VIRGINIA CAPES NORTHWARD ARE EXPECTED TO REACH 2 TO 3 FEET ABOVE NORMAL.

A FEW SEVERE THUNDERSTORMS AND THE POSSIBILITY OF ONE OR TWO TORNADES ARE EXPECTED TO OCCUR UNTIL 9 PM TONIGHT FROM EXTREME NORTHEASTERN NORTH CAROLINA ALONG COASTAL SECTIONS TO SOUTHERN NEW JERSEY.

HEAVY RAINS ARE LIKELY IN VIRGINIA MARYLAND AND DELAWARE TONIGHT. ALL INTERESTS SHOULD WATCH FOR STATEMENTS FROM LOCAL WEATHER BUREAU OFFICES CONCERNING POSSIBLE FLOODING.

THE NEXT BULLETIN WILL BE ISSUED BY WEATHER BUREAU WASHINGTON AT 930 PM EST.

SCHMIDT

930 PM EST FRIDAY OCTOBER 16 1964

GALE WARNINGS REMAIN DISPLAYED ALONG THE COAST FROM NORTH OF THE VIRGINIA CAPES TO MANASQUAN NEW JERSEY. SMALL CRAFT IN THE VIRGINIA CAPES AREA SOUTHWARD TO HATTERAS AND OVER BOTH THE DELAWARE AND CHESAPEAKE BAYS SHOULD REMAIN IN PORT UNTIL WINDS AND SEAS SUBSIDE.

EASTERLY WINDS 25 TO 45 MPH WITH ROUGH SEAS EXTEND FROM NORTH OF THE VIRGINIA CAPES TO MANASQUAN NEW JERSEY AND ARE EXPECTED TO PERSIST TONIGHT THEN BACK TO MORE NORTHERLY AND DECREASE SLOWLY SATURDAY. TIDES ALONG THE COAST FROM THE VIRGINIA CAPES AREA NORTHWARD ALONG THE NEW JERSEY COAST ARE EXPECTED TO RANGE FROM 2 TO 4 FEET ABOVE NORMAL WITH MINOR FLOODING AT THE TIME OF HIGH TIDES TONIGHT AND SATURDAY.

AT 930 PM EST THE STORM WAS ELONGATED FROM CENTRAL NORTH CAROLINA TO THE VIRGINIA CAPES WITH THE PORTION OVER NORTH CAROLINA BEGINNING TO FILL. THIS WILL RESULT IN THE CENTER REMAINING NEAR THE VIRGINIA CAPES DURING THE NIGHT. SATURDAY THE LOW IS FORECAST TO MOVE EASTNORTHEAST 20 MPH OVER THE ATLANTIC.

THE HEAVY RAINS OVER NORTH CAROLINA VIRGINIA MARYLAND DELAWARE AND SOUTHERN NEW JERSEY ARE EXPECTED TO TAPER OFF SOME DURING THE REMAINDER OF THE NIGHT AND END SATURDAY. ALL INTEREST SHOULD WATCH FOR STATEMENTS FROM LOCAL WEATHER BUREAU OFFICES CONCERNING POSSIBLE FLOODING IN AREAS WHERE THERE HAS BEEN SEVERAL INCHES OF RAIN.

THE THREAT OF SEVERE THUNDERSTORMS AND TORNADES HAS ENDED WITH THIS STORM

THE NEXT BULLETIN WILL BE ISSUED BY THE WASHINGTON WEATHER BUREAU AT ABOUT 6 AM EST SATURDAY.

E. HOOVER

6 AM EST SATURDAY OCTOBER 17 1964

GALE WARNINGS HAVE BEEN LOWERED FROM THE VIRGINIA CAPES NORTHWARD TO MANASQUAN NEW JERSEY. SMALL CRAFT WARNINGS ARE DISPLAYED FROM CAPE MAY NEW JERSEY NORTHWARD TO PROVINCETOWN MASSACHUSETTS. SMALL CRAFT SHOULD REMAIN IN PORT SOUTHWARD ALONG THE COAST TO THE VIRGINIA CAPES UNTIL ROUGH SEAS SUBSIDE.

EASTERLY WINDS 25 TO 35 MPH AND ROUGH SEAS EXTEND FROM CAPE MAY NEW JERSEY NORTHWARD TO LONG ISLAND. SOME FURTHER DECREASE IN WINDS TO ABOUT 20 TO 30 MPH IS EXPECTED TODAY WITH WINDS BACKING TO NORTH TO NORTHWEST AND DIMINISHING TONIGHT. TIDES WILL BE 1 TO 3 FEET ABOVE NORMAL ALONG THE COAST FROM THE VIRGINIA CAPES TO LONG ISLAND AND OVER DELAWARE AND CHESAPEAKE BAYS TODAY GRADUALLY DIMINISHING TONIGHT.

AT 6 AM EST THE STORM CENTER WAS OVER EXTREME SOUTHEASTERN VIRGINIA AND MOVING NORTHEASTWARD ABOUT 18 MPH. THIS MOVEMENT IS EXPECTED TO CONTINUE FOR THE NEXT 24 HOURS OUT OVER THE ATLANTIC. SOME FURTHER WEAKENING IS LIKELY.

HEAVY RAINS IN CONNECTION WITH THIS STORM HAVE ENDED BUT SOME RAIN IS STILL FALLING FROM NORTH CAROLINA NORTHWARD INTO PENNSYLVANIA AND NEW JERSEY. ALL INTERESTS SHOULD WATCH FOR STATEMENTS FROM LOCAL WEATHER BUREAU OFFICES CONCERNING POSSIBLE FLOODING IN AREAS WHERE HEAVY RAINS FELL DURING THE PAST DAY OR SO.

THIS WILL BE THE LAST PUBLIC BULLETIN ON THIS STORM. FURTHER ADVICES ON THIS STORM WILL CONTINUE TO BE CARRIED IN THE MARINE BULLETINS ISSUED FROM THE WASHINGTON WEATHER BUREAU FOR BROADCAST OVER NSS.

BROWN

LOCAL STATEMENTS ISSUED BY WEATHER BUREAU OFFICES

MIAMI

11 AM EST OCTOBER 14 1964

CONDITIONS IN DADE COUNTY ARE MARGINAL AS TO WHETHER HURRICANE FORCE WINDS WILL OCCUR IN THE POPULATED AREA OF DADE COUNTY. GALE WARNINGS ARE DISPLAYED WITH A HURRICANE WATCH WHICH MEANS WE EXPECT WINDS UP TO 60 MPH WITH GUSTS LIKELY OF HURRICANE FORCE TONIGHT. WITHIN THE NEXT 3 TO 4 HOURS THE TRACK OF THE HURRICANE SHOULD BECOME ESTABLISHED WELL ENOUGH TO EITHER PUT THE HURRICANE WARNINGS UP OR LEAVE THEM DOWN. THERE ARE SOME INDICATIONS FOR A SLIGHT NORTH NORTHEASTWARD TURN IN WHICH CASE HURRICANE WARNINGS WONT BE NEEDED. FURTHER NORTH THRU BROWARD COUNTY PRECAUTIONS SHOULD BE COMPLETED AGAINST HURRICANE FORCE WINDS TONIGHT.

KRAFT

ORLANDO FLORIDA

4 PM EST OCTOBER 14 1964

HURRICANE ISBELL HAS TAKEN A VERY SLIGHTLY MORE NORTHERLY COURSE AND HURRICANE WARNINGS WILL NOW BE POSTED ON THE EAST COAST AS FAR NORTH AS CAPE KENNEDY WHILE A HURRICANE WATCH WILL BE IN EFFECT AS FAR NORTH AS DAYTONA BEACH. SINCE DANGEROUS WINDS COVER ONLY A VERY SMALL AREA NEAR THE CENTER OF THE STORM THE ORLANDO SANFORD AREA IS NOT EXPECTED TO HAVE WINDS ABOVE 40 MPH AND THESE MAY BEGIN AS EARLY AS MIDNITE AND LAST PERHAPS TILL ABOUT NOON TOMORROW. OVER EASTERN ORANGE COUNTY HOWEVER HIGHEST WINDS MAY REACH 55 MPH. THESE WINDS FALL IN THE GALE FORCE CATEGORY AND ARE NOT CONSIDERED PARTICULARLY DANGEROUS. THIS STATEMENT IS ISSUED ONLY TO ALLAY FEARS OF ORLANDO RESIDENTS AND IS NOT MEANT AS A WARNING. FURTHER STATEMENTS ON THIS STORM WILL NOT BE FORTHCOMING FROM THIS OFFICE UNLESS ISBELL TAKES A FURTHER TURN TO THE NORTH WHICH AT THIS TIME IS NOT CONSIDERED LIKELY.

GARFINKEL

7:30 PM EST OCTOBER 14 1964

HURRICANE ISBELL AT 7 PM APPROXIMATELY 25 MILES SOUTH OF LAKE OKEECHOBEE IS SCURRYING ALONG IN NORTHEASTERLY DIRECTION AND SHOULD BE OFF THE COAST OF FLORIDA IN THE VICINITY OF PALM BEACH NEAR OR BEFORE MIDNITE. THIS NOW MEANS THAT MAXIMUM WINDS OF 40 MPH PREVIOUSLY FORECAST FOR ORLANDO WILL NOT BE REALIZED. INSTEAD WE ARE NOW FORECASTING NORTHEAST AND NORTH WINDS 15-30 MPH TONITE FOR ALL OF ORANGE COUNTY BECOMING NORTH AND NORTHWEST 10-20 MPH TOMORROW. THE POSSIBILITY OF TORNADOES PREVIOUSLY FORECAST FOR OSCEOLA ORANGE SEMINOLE AND LAKE COUNTIES MAY NOW BE CONSIDERED ALMOST NEGLIGIBLE SINCE TORNADIC ACTIVITY WHICH HAS OCCURRED HAS BEEN RESTRICTED TO THE EASTERN SEMICIRCLE OF THE HURRICANE. THIS IS EXPECTED TO BE THE FINAL STATEMENT BY THIS OFFICE ON THE CURRENT SEVERE WEATHER THREAT.

GARFINKEL

CHARLESTON S. C.

10 AM EST OCTOBER 15 1964

THIS SMALL BUT ERRATIC AND STRONG HURRICANE HAS TAKEN A SUDDEN TURN TO THE NORTHWEST AND IS MOVING ESPECIALLY FAST WITH THE POSSIBILITY OF AN INCREASE IN FORWARD MOVEMENT AS IT REACHES THE LATITUDE OF SOUTH CAROLINA

TIDE STATEMENT.....EDISTO ISLAND TO NORTH CAROLINA

TIDES ARE NOW RUNNING ALMOST 2 FEET ABOVE NORMAL ALONG THE SOUTH CAROLINA COAST AND THE TIDE IS RISING. THE NORMAL HIGH TIDE WILL OCCUR ABOUT 3 PM TODAY AND HURRICANE ISBELL WILL BE JUST OFFSHORE AT THAT TIME. THE STORM HAS THE POTENTIAL OF RAISING THE WATER LEVEL AS MUCH AS 8 FEET ABOVE NORMAL JUST AHEAD AND TO THE RIGHT OF WHERE THE CENTER HITS THE COAST. THE SECTION OF THE COAST FROM CAPE ROMAIN NEAR MC CLELLANVILLE NORTHWARD SHOULD TAKE PRECAUTIONS IMMEDIATELY FOR TIDES THAT COULD EXCEED 12 FEET ABOVE MEAN LOW WATER. THIS WOULD PRODUCE 5 FEET OF TIDE ABOVE THE FLOOD LEVEL AND WOULD BE DANGEROUS AND DESTRUCTIVE. THE SECTION OF COAST SOUTH OF CAPE ROMAIN SHOULD BE ESPECIALLY ALERT FOR THE STORM MAY TURN MORE WESTERLY AND AFFECT THIS AREA WITH THE MAXIMUM TIDE.

THE 11 AM ADVISORY SHOULD BE ESPECIALLY WATCHED TO SEE HOW THIS STORM DEVELOPS. THIS STORM DID PRODUCE SMALL AND DANGEROUS TORNADO-LIKE STORMS AS IT CROSSED FLORIDA AND HEAVY RAIN AND HIGH WINDS WILL BE LIKELY TO FALL TREES AND DEBRIS ON HIGHWAYS AND ROADS AND ALL SCHOOLS IN THE COASTAL AREA ARE ADVISED TO CAUTION SCHOOL BUS DRIVERS TO DRIVE WITH CARE AND IT IS RECOMMENDED THAT SCHOOLS BE CLOSED AS EARLY AS POSSIBLE AS BY MID AFTERNOON THERE WILL BE CONSIDERABLE WIND AND HEAVY RAINS.

CUMMINGS

1130 AM EST OCTOBER 15 1964

TIDE STATEMENT.....EDISTO ISLAND TO NORTH CAROLINA

TIDES ARE STILL RUNNING ALMOST 2 FEET ABOVE NORMAL ALONG THE SOUTH CAROLINA COAST. VERY SHALLOW FLOODING WILL OCCUR AT TIME OF NORMAL HIGH TIDE BETWEEN 2 PM AND 6 PM TODAY. AFTER THIS TIME THE TIDE WILL FALL SOUTH OF CAPE ROMAIN AT MC CLELLANVILLE. NORTH OF THIS AREA THE FLOODING WILL HOLD AND VERY LIKELY INCREASE TONIGHT TO A MAXIMUM TIDE OF 9 TO 10 FEET ABOVE MEAN LOW WATER OVER THE EXTREME NORTHERN COAST OF SOUTH CAROLINA IN THE MYRTLE BEACH..LITTLE RIVER AREA. THIS WILL MEAN 2 TO 3 FEET OF FLOODING AND WILL BE DANGEROUS AND DESTRUCTIVE. AT THIS TIME IT APPEARS THAT ISBELL WILL PRODUCE ITS GREATEST EFFECT ON THE WATER LEVEL AT TIME OF NORMAL LOW WATER. THE SLIGHTEST CHANGE IN DIRECTION OR SPEED OF THE STORM WILL GREATLY ALTER THIS ESTIMATE. THE HURRICANE HAS THE POTENTIAL OF RAISING THE WATER LEVEL 8 FEET JUST AHEAD AND TO THE RIGHT OF THE CENTER SO MAXIMUM PROTECTION SHOULD BE TAKEN NOW IN THE AREA OF HURRICANE DISPLAY WHERE BREAKING SURF OF 10 TO 12 FEET IS EXPECTED IN ADDITION TO THE ABOVE NORMAL TIDE.

WILMINGTON NORTH CAROLINA

11:30 AM EST OCTOBER 15 1964

TIDE STATEMENT NO. 1 FOR THE NORTH CAROLINA COAST SOUTH OF OCRACOCKE INLET AND FOR THE INLAND PORTIONS OF PAMLICO SOUND

HURRICANE WARNINGS ARE DISPLAYED ALONG THE NORTH CAROLINA COAST SOUTH OF MOREHEAD CITY AND A HURRICANE WATCH IS IN EFFECT NORTH OF MOREHEAD CITY. DURING THE PAST FEW HOURS HURRICANE ISBELL HAS TURNED MORE TOWARD THE NORTHWEST PLACING THE NORTH CAROLINA COAST SOUTH OF MOREHEAD CITY DIRECTLY IN ITS PATH. WINDS AND TIDES WILL RAPIDLY INCREASE DURING THE AFTERNOON. TIDES WILL RANGE BETWEEN FOUR AND EIGHT FEET ABOVE NORMAL SOUTH OF MOREHEAD CITY AND TWO TO FIVE FEET ELSEWHERE ALONG THE COAST. IT NOW APPEARS THAT THE MAIN EFFECTS FROM THE STORM WILL OCCUR BETWEEN NORMAL HIGH TIDE THIS AFTERNOON AND NORMAL HIGH TIME LATE TONIGHT. EVEN SO ALL INTERESTS ALONG THE NORTH CAROLINA COAST SOUTH OF MOREHEAD CITY SHOULD COMPLETE THEIR PREPARATION AND EVACUATE ALL LOW LYING AREAS BY MID AFTERNOON WHICH ARE SUBJECT TO FLOODING AND DAMAGE BY TIDES BETWEEN FOUR AND EIGHT FEET ABOVE NORMAL AND WINDS OF HURRICANE FORCE. NORTH OF MOREHEAD CITY INTERESTS SHOULD TAKE PRECAUTIONS AGAINST TIDES TWO TO FIVE FEET ABOVE NORMAL AND BE ALERT TO FAST ACTION SHOULD THE COURSE OF THE HURRICANE CHANGE TO GIVE MORE OF A THREAT TO THAT SECTION OF THE COAST.

AT INLAND LOCATIONS IN PAMLICO SOUND TIDES ARE EXPECTED TO RANGE BETWEEN THREE AND FOUR FEET ABOVE NORMAL WITH THE HIGHER TIDES EXPECTED AT WESTERN AND SOUTHERN EXPOSURES.

INTERESTS SHOULD BE ALERT THIS AFTERNOON FOR ALL ADVISORIES BULLETINS AND STATEMENTS. PLEASE KEEP TUNED TO YOUR RADIO AND TV STATIONS.

DUKE

1:30 PM EST OCTOBER 15 1964

TIDE STATEMENT NO. 2 FOR THE NORTH CAROLINA COAST SOUTH OF OCRACOCKE INLET AND FOR THE INLAND PORTIONS OF PAMLICO SOUND

HURRICANE WARNINGS ARE DISPLAYED ALONG THE NORTH CAROLINA COAST SOUTH OF MOREHEAD CITY AND A HURRICANE WATCH IS IN EFFECT WITH GALE WARNINGS DISPLAYED NORTH OF MOREHEAD CITY. AT 1 PM HURRICANE ISBELL WAS LOCATED 180 MILES SOUTHEAST OF GEORGETOWN SOUTH CAROLINA MOVING TOWARD THE NORTH AT 20 MPH. INDICATIONS ARE FOR A TURN TOWARD THE NORTHWEST PROBABLY SLOWING SOME IN FORWARD SPEED WITH THE HURRICANE REACHING THE COAST EARLY THIS EVENING. THIS LOCATION AND MOVEMENT EMPHASIZES THE IMPORTANCE OF TAKING PROMPT ACTION. AS WAS URGED IN OUR STATEMENT ISSUED AT 11:30 THIS MORNING WE AGAIN STRESS THE URGENCY OF COMPLETING PREPARATIONS AS SOON AS POSSIBLE AND THE EVACUATION OF ALL LOW LYING AREAS SOUTH OF MOREHEAD CITY WHICH ARE SUBJECT TO FLOODING AND DAMAGE BY TIDES BETWEEN FOUR AND EIGHT FEET ABOVE NORMAL AND WINDS OF HURRICANE FORCE. NORTH OF MOREHEAD CITY INTERESTS SHOULD TAKE PRECAUTIONS AGAINST TIDES OF TWO TO FIVE FEET ABOVE NORMAL AND BE ALERT FOR FAST ACTION SHOULD THE COURSE OF THE STORM CHANGE TO INCREASE THE THREAT.

IN PAMLICO SOUND TIDES ARE EXPECTED TO RUN THREE TO FIVE FEET ABOVE NORMAL WITH THE HIGHER TIDES AT WESTERN AND SOUTHERN EXPOSURES. EVEN NOW TIDES OF THREE FEET ABOVE NORMAL HAVE BEEN REPORTED FROM PAMLICO SOUND.

ALL INTERESTS SHOULD BE ON THE ALERT THIS AFTERNOON AND EVENING FOR ALL ADVISORIES BULLETINS AND STATEMENTS. PLEASE KEEP TUNED TO YOUR RADIO AND TV STATION.

DUKE

3:30 PM EST OCTOBER 15 1964

TIDE STATEMENT NO. 3 FOR THE NORTH CAROLINA COAST SOUTH OF OCRACOCKE INLET AND FOR THE INLAND PORTIONS OF PAMLICO SOUND

AT 3 PM HURRICANE ISBELL WAS LOCATED ABOUT 250 MILES SOUTHEAST OF GEORGETOWN SOUTH CAROLINA. THE PRESENT COURSE OF THE HURRICANE IS TOWARD THE NORTHEAST. THERE ARE INDICATIONS THAT THIS COURSE WILL CONTINUE BUT THE NEXT FEW HOURS SHOULD DETERMINE IF IT IS TO TURN MORE NORTHWARD. IN THE MEANTIME INTERESTS ALONG THE NORTH CAROLINA COAST SOUTH OF MOREHEAD CITY SHOULD FOLLOW TIDE STATEMENTS ISSUED FROM THE WILMINGTON WEATHER BUREAU AT 11:30 THIS MORNING AND AT 1:30 THIS AFTERNOON. THESE STATEMENTS INDICATED THAT TIDES COULD BE EXPECTED TO BE BETWEEN FOUR AND EIGHT FEET ABOVE NORMAL SOUTH OF MOREHEAD CITY TWO TO FIVE FEET ABOVE NORMAL NORTH OF MOREHEAD CITY AND THREE TO FIVE FEET ABOVE NORMAL AT INLAND LOCATIONS OF PAMLICO SOUND. AGAIN IT IS EMPHASIZED THAT ALL INTERESTS SHOULD FOLLOW CLOSELY ADVISORIES BULLETINS AND STATEMENTS. PLEASE KEEP TUNED TO YOUR RADIO OR TV STATION.

DUKE

5:30 PM EST OCTOBER 15 1964

TIDE STATEMENT NO. 4 FOR THE NORTH CAROLINA COAST SOUTH OF OCRACOCKE INLET AND FOR THE INLAND PORTIONS OF PAMLICO SOUND

GALE WARNINGS ARE DISPLAYED AND A HURRICANE WATCH IS IN EFFECT ON THE NORTH CAROLINA COAST. AT 5 PM THE HURRICANE WAS ABOUT 260 MILES SOUTH OF CAPE HATTERAS AND CONTINUING TO MOVE NORTHEAST ABOUT 20 MPH. TO SOME EXTENT THIS MOVEMENT LESSENS THE THREAT TO NORTH CAROLINA BUT THE FUTURE COURSE OF THE HURRICANE IS UNCERTAIN. ALL INTERESTS SHOULD CONTINUE ON THE ALERT AND LISTEN FOR ALL ADVISORIES BULLETINS AND STATEMENTS OVER YOUR RADIO OR TV STATION. PRESENT INDICATIONS ARE FOR SEAS TO BE VERY ROUGH WINDS REACHING GALE FORCE AND TIDES RANGING BETWEEN TWO AND FIVE FEET ABOVE NORMAL DURING TONIGHT. THE TIME OF THE NEXT NORMAL HIGH TIDE IS LATE TONIGHT. AT INLAND LOCATIONS OF PAMLICO SOUND TIDES ARE EXPECTED TO BE TWO TO FOUR FEET ABOVE NORMAL WITH THE HIGHER TIDES AT SOUTHERN AND WESTERN LOCATIONS. THOSE LOW LYING AREAS WHICH WOULD BE FLOODED BY THESE TIDES SHOULD HAVE BEEN EVACUATED BY THIS TIME.

DUKE

WILMINGTON NORTH CAROLINA

9:30 PM EST OCTOBER 15 1964

TIDE STATEMENT NO. 5 FOR THE NORTH CAROLINA COAST SOUTH OF OCRACOCKE INLET AND FOR THE INLAND PORTIONS OF PAMLICO SOUND.

GALE WARNINGS AND A HURRICANE WATCH CONTINUE IN EFFECT ON THE NORTH CAROLINA COAST. AT 9 PM ISBELL WAS POSITIONED ABOUT 160 MILES SOUTHEAST OF WILMINGTON NORTH CAROLINA MOVING NORTHWARD ABOUT 17 MPH. THE MIAMI WEATHER BUREAU STATES IN THE 9 PM BULLETIN THAT THE STORM IS EXPECTED TO CONTINUE TOWARD THE NORTH AT ABOUT THE SAME RATE DURING THE NEXT 12 HOURS WITH A POSSIBLE TURN TO THE NORTH NORTHWEST. IF THIS OCCURS THE CENTER WOULD REACH THE COAST BETWEEN WILMINGTON AND HATTERAS LATE TONIGHT OR EARLY FRIDAY. AS ADVISED IN PREVIOUS STATEMENTS FROM THE WILMINGTON WEATHER BUREAU TIDES ALONG THE NORTH CAROLINA COAST ARE EXPECTED TO RANGE AS HIGH AS FIVE FEET ABOVE NORMAL. AT INLAND LOCATIONS IN PAMLICO SOUND TIDES ARE EXPECTED TO RANGE BETWEEN TWO AND FIVE FEET ABOVE NORMAL WITH THE HIGHER TIDES AT SOUTHERN AND WESTERN LOCATIONS.

IN THOSE AREAS WHERE PREPARATIONS HAVE BEEN COMPLETED AND WHERE LOW LYING AREAS HAVE BEEN EVACUATED THE BEST COURSE OF ACTION IS TO REMAIN IN SAFE REFUGE. IF PRECAUTIONARY MEASURES HAVE NOT BEEN COMPLETED THEY SHOULD BE RUSHED TO COMPLETION AS QUICKLY AS POSSIBLE AGAINST DANGEROUS WINDS AND TIDES. INTERESTS SHOULD BE ALERT TO ALL ADVISORIES BULLETINS AND STATEMENTS WHICH WILL BE CARRIED OVER RADIO AND TV STATIONS.

DUKE

11:15 AM EST OCTOBER 16 1964

TIDE STATEMENT NO. 6 FOR THE NORTH CAROLINA COAST SOUTH OF OCRACOCKE INLET AND FOR THE INLAND PORTIONS OF PAMLICO SOUND.

WEAKENED ISBELL PRODUCING THIRTY TO FIFTY MPH WINDS MOVED INLAND BETWEEN MOREHEAD CITY AND OCRACOCKE INLET EARLY THIS MORNING AND AT 11 AM WAS ABOUT 55 MILES WESTNORTHWEST OF HATTERAS. THE STORM IS MOVING SLOWLY NORTHWARD. ISBELL TOGETHER WITH A DEVELOPING STORM OVER EASTERN NORTH CAROLINA WILL CONTINUE GUSTY WINDS AND TIDES ABOUT TWO FEET ABOVE NORMAL ALONG THE NORTH CAROLINA COAST SOUTH OF OCRACOCKE INLET DURING THIS AFTERNOON. THUNDERSTORMS HAVE BEEN REPORTED IN THE PAMLICO SOUND AREA THIS MORNING AND THE RADAR AT WILMINGTON HAS SHOWN SOME THUNDERSTORM ACTIVITY AS FAR NORTH AS ALBEMARLE SOUND. BUT NO DAMAGING WINDSTORMS HAVE BEEN REPORTED TO THE WILMINGTON WEATHER BUREAU. TIDES IN PAMLICO SOUND THIS MORNING ARE RUNNING TWO TO THREE FEET ABOVE NORMAL WITH LITTLE OR NO ADDITIONAL INCREASE EXPECTED. TIDES IN PAMLICO SOUND WILL LIKELY NOT RETURN TO NORMAL BEFORE LATE SUNDAY OR ON MONDAY. ALONG THE COAST SOUTH OF OCRACOCKE INLET TIDES AND SEAS WILL SLOWLY RETURN TO NORMAL DURING SATURDAY.

DUKE

NORFOLK

6 AM THURSDAY OCTOBER 15 1964

HURRICANE ISBELL CROSSED FLORIDA LAST NIGHT AND IS NOW CENTERED IN THE ATLANTIC ABOUT 200 MILES EAST OF DAYTONA BEACH. STRONGEST WINDS ARE ABOUT 100 MPH NEAR THE CENTER.

THIS HURRICANE IS EXPECTED TO MOVE NORTH NORTHEASTWARD ABOUT 25 MPH TODAY THEN TURN MORE NORTHEASTWARD TONIGHT. THIS EXPECTED MOVEMENT WOULD CAUSE THE CENTER TO PASS SOUTH OF HATTERAS EARLY TONIGHT.

AS A RESULT THE NORTHEAST WINDS IN TIDEWATER SHOULD INCREASE TO GALE FORCE BY LATE THIS AFTERNOON OR EARLY TONIGHT.

AT THIS TIME IT APPEARS THAT LITTLE OR NO FLOODING WILL OCCUR AT THE TIME OF THE NEXT HIGH TIDE IN HAMPTON ROADS HARBOR AT ABOUT 430 PM.

LATER STATEMENTS WILL BE ISSUED BY THE NORFOLK WEATHER BUREAU AS REQUIRED.

SACHSE

NORFOLK VIRGINIA

10 AM OCTOBER 15 1964

HURRICANE ISBELL AT 9:30 AM WAS CENTERED 240 MILES EAST OF BRUNSWICK GEORGIA AND WAS MOVING NORTHWARD ABOUT 25 MPH. IT IS EXPECTED TO GRADUALLY TURN MORE TOWARD THE NORTHWEST THIS AFTERNOON.

THIS MEANS THAT THE CENTER WILL PROBABLY CROSS SOME PART OF THE NORTH CAROLINA COAST BY LATE AFTERNOON OR EVENING. A HURRICANE WATCH AND GALE WARNINGS ARE NOW IN EFFECT ON THE CAROLINA COASTS FROM CHARLESTON S.C. NORTHWARD.

AS FAR AS TIDEWATER IS CONCERNED THIS MORE NORTHWESTERLY MOVEMENT OF THE HURRICANE WILL PROBABLY CAUSE EASTERLY WINDS WELL IN GALE FORCE WITH RAIN POSSIBLY HEAVY AT TIMES DURING TONIGHT AND INTO FRIDAY.

LITTLE OR NO FLOODING WILL OCCUR IN HAMPTON ROADS HARBOR AT THE TIME OF THE NEXT HIGH TIDE AT 4:30 PM TODAY.

SACHSE

5 PM OCTOBER 15 1964

AT 5 PM TODAY HURRICANE ISBELL WAS CENTERED AT 31.5 NORTH 75.5 WEST OR 260 MILES SOUTH OF CAPE HATTERAS AND WAS MOVING TOWARDS THE NORTHEAST AT 20 MPH. STRONGEST WINDS ARE 90 MPH.

HURRICANE ISBELL MADE A SHARP TURN AWAY FROM THE COAST DURING THE AFTERNOON AND THE PRESENT NORTHEASTERLY MOVEMENT HAS GREATLY DIMINISHED THE THREAT TO THE CAROLINA COASTS. THE PRESENT NORTHEASTERLY COURSE IS EXPECTED TO BE MAINTAINED FOR ONLY ABOUT 6 HOURS WITH A MORE NORTHERLY TURN EXPECTED AFTERWARDS.

IT IS NOW EXPECTED THAT HURRICANE ISBELL WILL PASS EAST OF HATTERAS LATE TONIGHT OR EARLY FRIDAY MORNING.

THIS EXPECTED MOVEMENT WILL CAUSE NORTHEAST WINDS IN TIDEWATER TO INCREASE TO LOW GALE FORCE LATE TONIGHT AND EARLY FRIDAY AS THE HURRICANE PASSES NEAREST HERE.

THE NEXT HIGH TIDE IN HAMPTON ROADS HARBOR AT 5 AM ON FRIDAY IS EXPECTED TO RUN 2 TO 3 FEET ABOVE NORMAL WITH LITTLE OR NO FLOODING.

SACHSE

8 PM OCTOBER 15 1964

ALL INTEREST IN THE HAMPTON ROADS AREA SHOULD KEEP IN TOUCH WITH ADVICES ON HURRICANE ISBELL DURING TONIGHT FOR POSSIBLE ADDITIONAL WARNINGS THAT MIGHT BE REQUIRED LATER.

LATEST REPORTS ON THE HURRICANE SHOW A NORTHWARD MOVEMENT ABOUT 18 MPH. SUCH A MOVEMENT IF CONTINUED WOULD BRING THE HURRICANE NEAR THE HAMPTON ROADS AREA SOMETIME FRIDAY MORNING.

THERE IS ENOUGH OF A CHANCE THAT THE HURRICANE MIGHT CONTINUE TO COME IN THIS DIRECTION THAT IT MIGHT BE WISE TO TAKE PRECAUTIONS NOW IN CASE GALE OR STRONGER WINDS MIGHT BE OCCURRING FRIDAY MORNING.

SACHSE

9 PM OCTOBER 15 1964

THE NEXT HIGH TIDE IN HAMPTON ROADS HARBOR AT 5 AM FRIDAY WILL PROBABLY RUN BETWEEN 2 AND 4 FEET ABOVE NORMAL OR 4 1/2 TO 6 1/2 FEET ABOVE THE MEAN LOW WATER MARK AND WILL DEPEND GREATLY ON THE FUTURE TRACK OF ISBELL. THESE LEVELS WOULD CAUSE LIGHT TO MODERATE FLOODING.

SACHSE

6 AM OCTOBER 16 1964

TROPICAL STORM ISBELL WITH WINDS DIMINISHED TO 55 MPH CROSSED THE NORTH CAROLINA COAST NEAR MOREHEAD CITY EARLY THIS MORNING AND CONTINUES TO MOVE NORTHWARD 20 TO 25 MPH.

A LARGE WINTER TYPE STORM NOW OFF THE CAROLINA COAST IS COMBINING WITH TROPICAL STORM ISBELL AND THIS SHOULD RESULT IN A SINGLE STORM CENTER OVER THE VIRGINIA COASTAL AREA THIS AFTERNOON.

THERE IS A CHANCE THAT AN ISOLATED TORNADO OR TWO MIGHT DEVELOP SOMEWHERE IN EXTREME EASTERN NORTH CAROLINA OR SOUTHEASTERN VIRGINIA THIS MORNING.

RAINS WILL BE HEAVY AT TIMES IN THIS AREA BEFORE ENDING LATE TONIGHT.

THE NEXT HIGH TIDE IN HAMPTON ROADS HARBOR AT 5:30 PM TODAY MAY RUN 3 TO 4 FEET ABOVE NORMAL AND CAUSE MODERATE TIDAL FLOODING.

SACHSE

HAMPTON ROADS HARBOR

10:30 AM EST OCTOBER 16 1964

THE NEXT HIGH TIDE IN DOWNTOWN NORFOLK OCCURRING AROUND 5:30 PM EST WILL RUN ABOUT FOUR FEET ABOVE NORMAL OR SEVEN FEET ABOVE THE MEAN LOW WATER MARK AND WILL CAUSE CONSIDERABLE FLOODING.

HUSTEAD

2:25 PM EST OCTOBER 16 1964

THE NEXT HIGH TIDE IN DOWNTOWN NORFOLK OCCURRING AROUND 5:30 PM WILL RUN ABOUT TWO TO THREE FEET ABOVE NORMAL OR FIVE TO SIX FEET ABOVE THE MEAN LOW WATER MARK AND WILL CAUSE SLIGHT TO MODERATE FLOODING.

SACHSE

BALTIMORE MARYLAND

3 PM EDT OCTOBER 16 1964

TIDES ALONG ASSATEAGUE AND FENWICK ISLANDS WILL GRADUALLY RISE TO 3 TO 4 FEET ABOVE NORMAL LATER TONIGHT. MINOR FLOODING OF VERY LOW LYING SECTIONS WILL OCCUR AT HIGH TIDE NEAR SUNRISE SATURDAY MORNING.

RAIN WILL CONTINUE TO SPREAD NORTHWARD BECOMING HEAVY AT TIMES TONIGHT. SCATTERED THUNDERSTORMS ARE EXPECTED AND THERE IS A CHANCE OF A FEW SEVERE THUNDERSTORMS WITH THE POSSIBILITY OF ONE OR TWO TORNADOES UNTIL 10 PM TONIGHT OVER EASTERN MARYLAND INCLUDING SAINT MARYS PRINCE GEORGE AND HOWARD COUNTIES.

SCOTT