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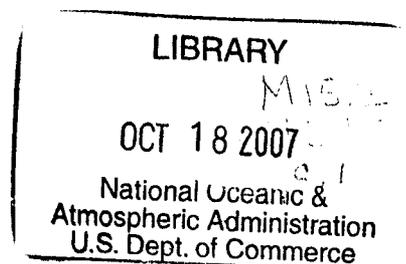
U. S. DEPARTMENT OF COMMERCE  
U.S. WEATHER BUREAU

THE STORM OF OCTOBER 15, 1954

(HURRICANE HAZEL OCTOBER 15, 1954)



U. S. WEATHER BUREAU  
17 BATTERY PLACE  
NEW YORK 4, N. Y.



87041

# National Oceanic and Atmospheric Administration Weather Bureau Hurricane Series

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November 6, 2007

## HURRICANE "HAZEL"

Hurricane "Hazel", the eighth of the year, was born in the tropical region of the eastern Caribbean. On October 5, it had grown sufficiently to be classed as a small hurricane and was spotted near the island of Grenada which is just north of the South American Coast. Her future still a deep and dark mystery, "Hazel" drifted westward for five days in a very slow manner and in a zig-zag path. On the 10th, she changed her direction of movement abruptly and took off toward the north-northeast. On the 12th, the hurricane center passed over the western tip of Haiti and through the Windward Channel which separates Cuba from Haiti. She appeared to lose some strength in fighting her way past the rough terrain of western Haiti but in a very short time, the reports received from that area showed that she was regaining strength once again over the open water. By the 14th, it was obvious that the storm was still a hurricane and that it had changed its course once again and was now headed in the direction of the United States.

At this time, it appeared quite definite that the future path of this vigorous and severe storm was going to be influenced both by the presence of an area of high barometric pressure over the North Atlantic and by a deepening trough of low pressure in the western part of the country which extended from the surface to several thousands of feet into the air above the surface. In fact, the deepening of the trough at the heights from ten thousand to thirty and forty thousand feet was becoming quite marked. By Thursday night, this trough aloft had moved eastward far enough and intensified sufficiently to cause very strong southerly winds in the upper air over the eastern part of the United States, and these became a definite factor in steering "Hazel" on her northward course. After moving inland near the border of the two Carolinas between 9 and 10 a.m. she sped through North Carolina and on into Virginia by early afternoon of the 15th. Maintaining her full hurricane force, she picked up speed during the afternoon, passed Washington, D.C. between 5 and 6 p.m. and reached the southern edge of Pennsylvania between 6 and 7 p.m. From there she practically galloped across Pennsylvania and New York State, roared across Lake Ontario shortly after 9 p.m. and smashed into Canada.

Wind speed of 90 to 100 miles per hour, and higher in some places, were recorded at Weather Bureau Offices all along the path and especially just to the east thereof with some places having the highest wind ever recorded. The loss of life during, and as a result of this storm ran over two hundred, and property damage was widespread in a two hundred mile path from the Carolinas to Canada and the total amount will run into many, many millions when it is finally computed. Military reconnaissance planes tracked "Hazel" throughout her life, and on more than one occasion flew into the storm's center to obtain essential information. Through these efforts, and from the help received from the reports sent in by commercial ships plying the waters near the storm, the Weather Bureau was aided to a very great extent in its job of forecasting the future course of the hurricane.

The publicity given to the approach of this severe storm by all news agencies - newspaper, radio and TV stations, etc., as well as through the regular channels of dissemination used by the Weather Bureau, served well in keeping the public informed and undoubtedly saved lives and reduced property damage. In New York City, most all of the newspapers and news wire services had reporters stationed in the Weather Bureau Office at the Battery or were in close contact otherwise. The Columbia Broadcasting System and the National Broadcasting Company ran direct wires into the office and carried up-to-the-minute bulletins to the listeners at frequent intervals. These supplemented the regular channels of distribution used by the Weather Bureau Office in New York, as follows:

Regular direct broadcasts over radio station WNYC AM and FM at 7:45 a.m., 1:45 p.m., and 6:45 p.m.

Automatic telephone device WEather 6-1212 which was used for short bulletins on progress of the hurricane substituted for the regular weather forecasts usually carried on this medium of dissemination. That this method proved to be very valuable is shown by the fact that over 300,000 calls were registered in a 24-hr. period and during one hour, 4 to 5 p.m., on the 15th, people made use of the information by placing 26,970 calls.

The local weather teletype loop in New York City over which this office dispatches all of the advisories and news releases regarding the hurricane.

The Western Union warning list maintained by this office for alerting those who wish the information as to time when different storm warning displays are ordered up. Anyone can be placed on these special warning lists simply by accepting the responsibility of accepting a "collect" telegram containing the information.

The Daily Weather Bulletin issued by this office contains a weather map as of 7:30 p.m. EST and a projected weather map for 7:30 a.m. of the day following the receipt of the bulletin. These are placed in the mail about 10:30 p.m. and are delivered in the first mail the following morning.

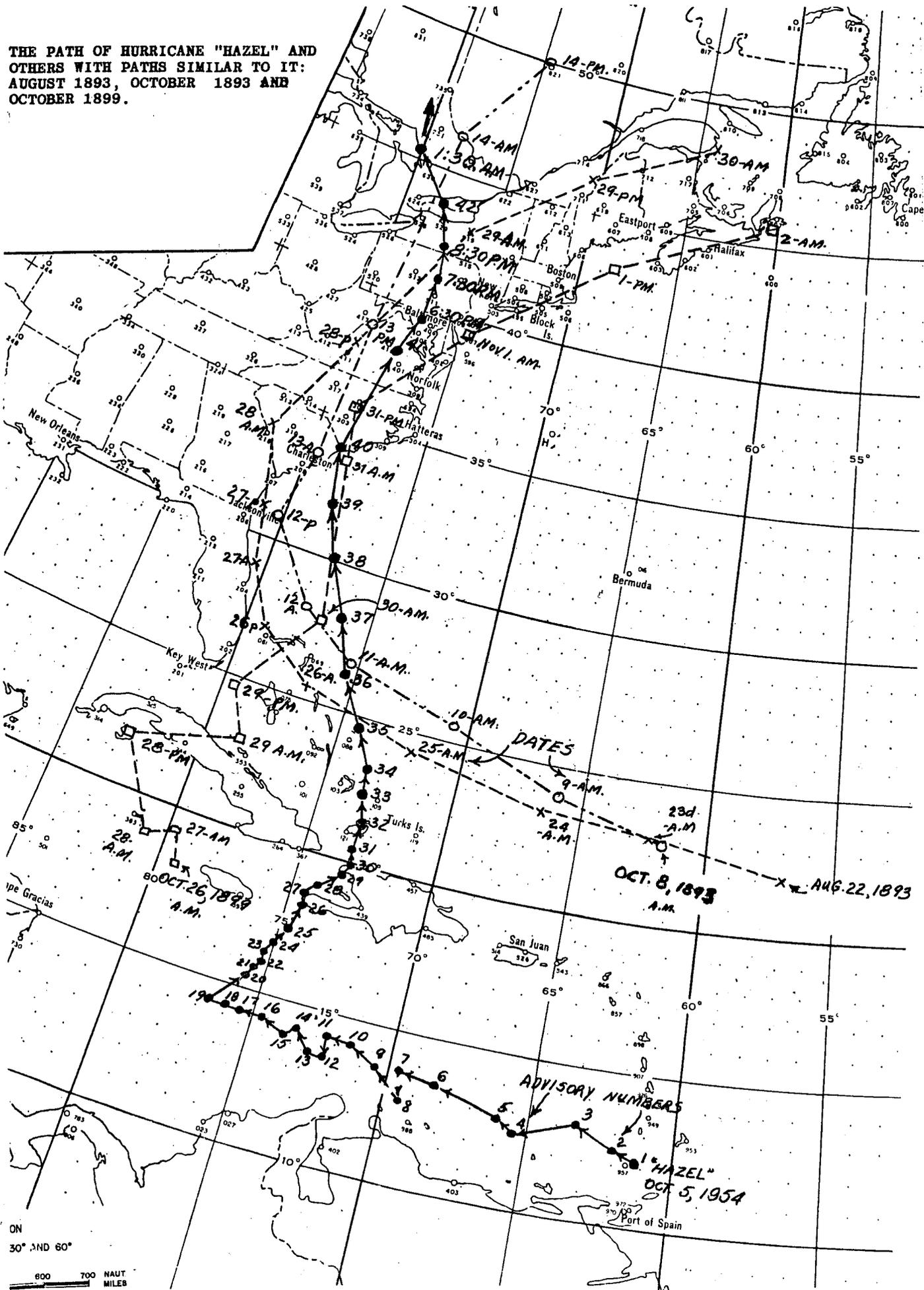
Short wave radio broadcasts by RCA and Mackay - all advisories are made available to them immediately and they are broadcast at numerous intervals.

The strongest winds occurred in New York City between 7:30 and 8:00 p.m. when the center of the storm was in the process of moving toward Lake Ontario. Numerous gusts of over 70 miles per hour were observed at the Weather Bureau Office at the Battery with the highest velocity of 113 miles per hour, for the fastest mile, occurring at 7:49 p.m. This velocity is higher than that reported by most other reporting stations around this area but consistent with the pattern especially since the anemometer is at an elevation of 450 feet above sea level with wide open exposure to southeast winds. This is the highest wind velocity recorded since weather observations were started by the Weather Bureau in New York City in 1871. The previous high record for the fastest mile was 99 miles per hour occurring with the passage of the 1944 hurricane on September 14th. The speeding up of the forward motion of this storm prevented the tides from developing to anything exceptional since the strong winds occurred about two hours before high-tide time. Tides were above normal, however, in most all localities around the Metropolitan area during the morning and evening high tide periods.

With a storm of this type, it was natural that the amount of damage was related to the distance from the center of the storm and in the Metropolitan area, the greatest amount of damage was reported from northern New Jersey, a considerable amount in New York City proper and then tapering off to very little in Suffolk County on Long Island.

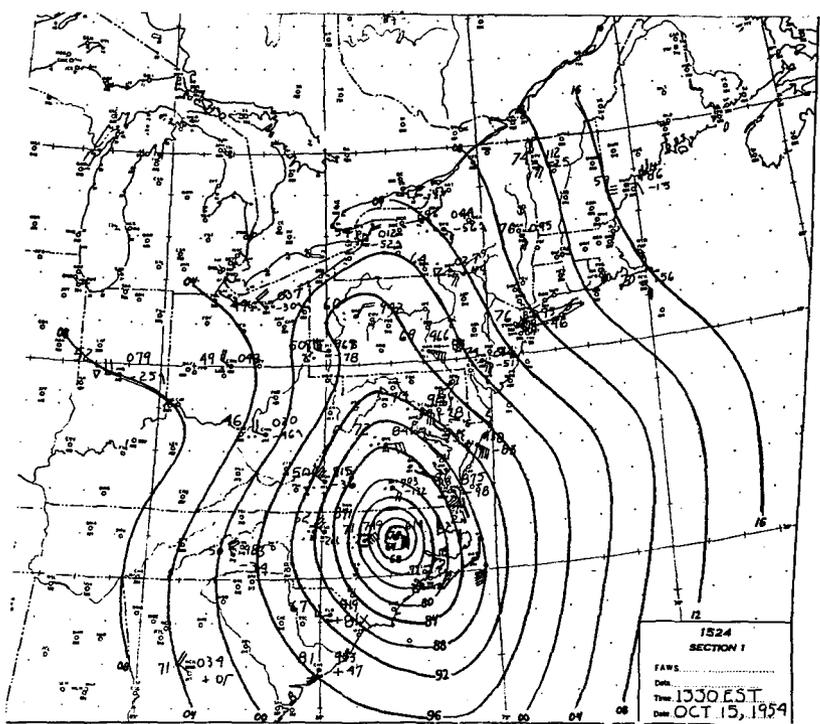
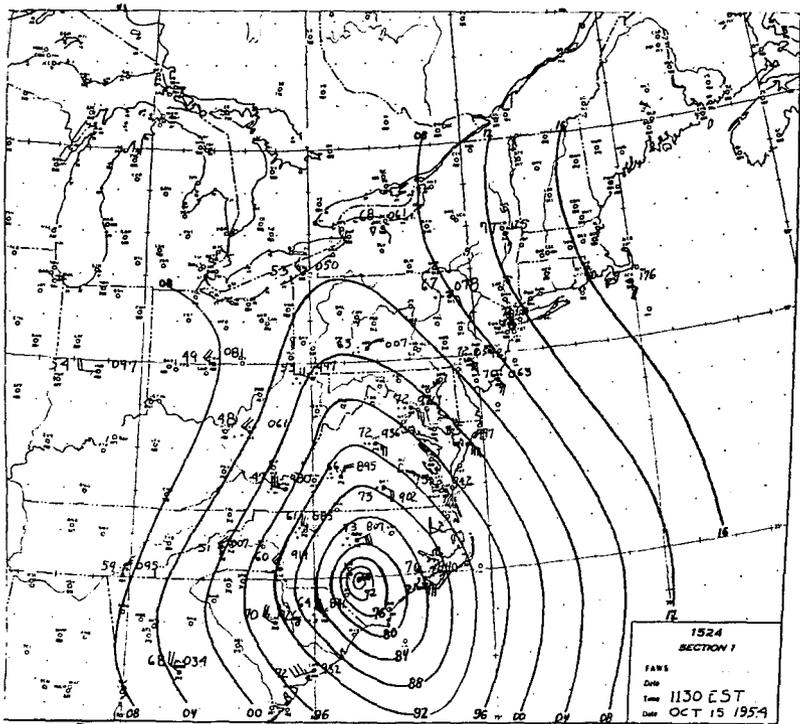
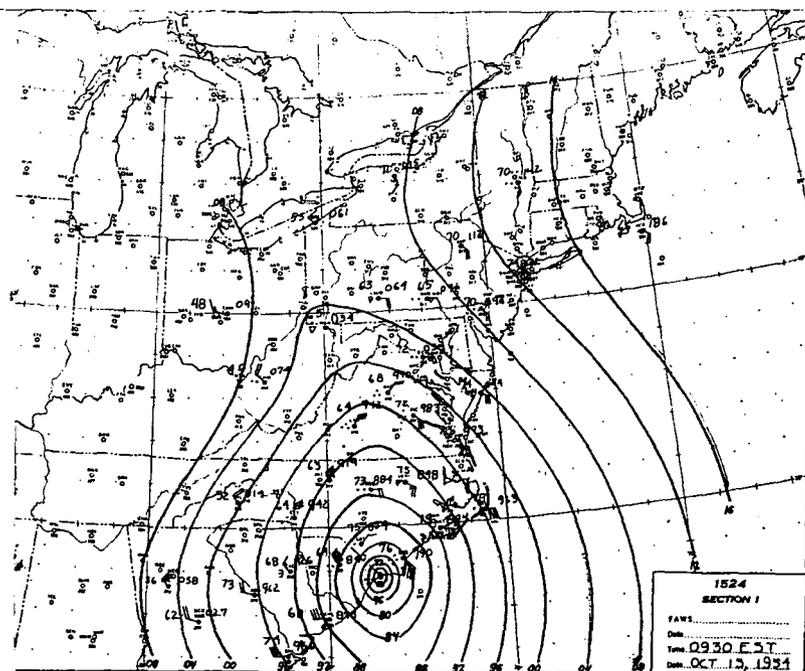
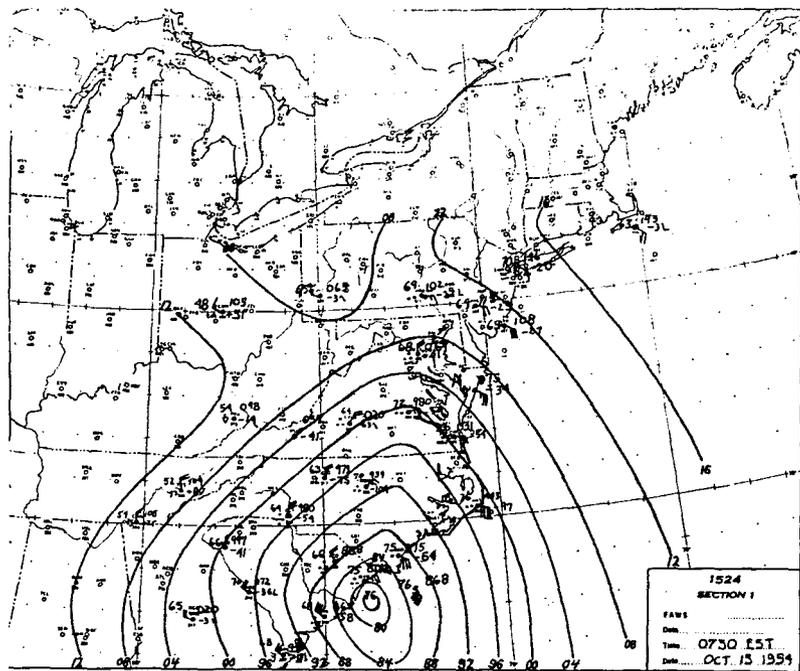
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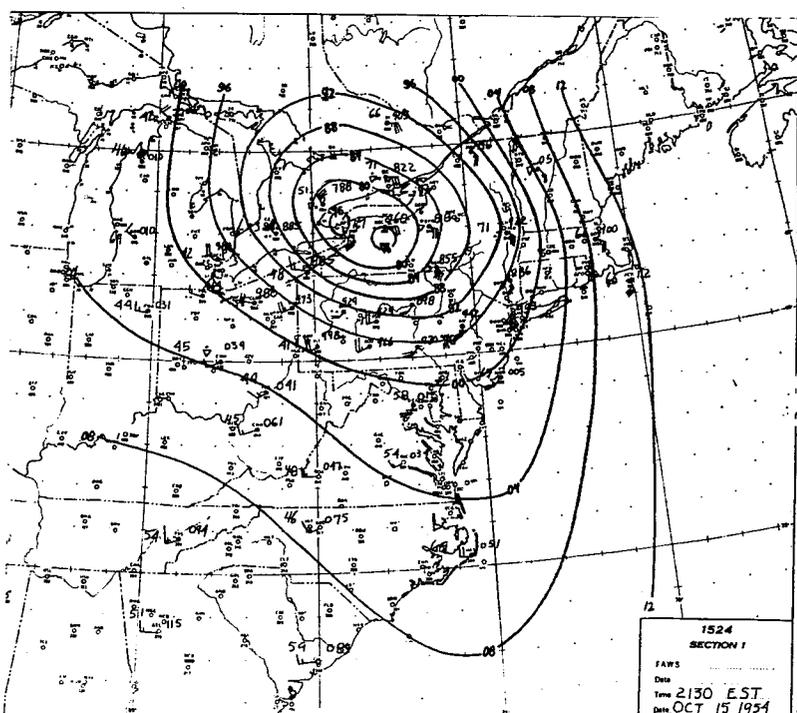
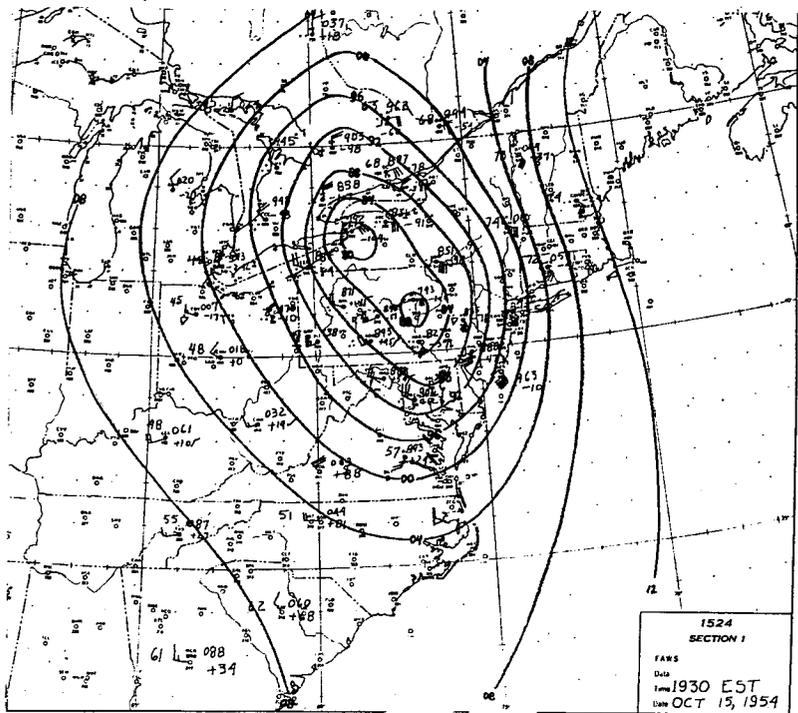
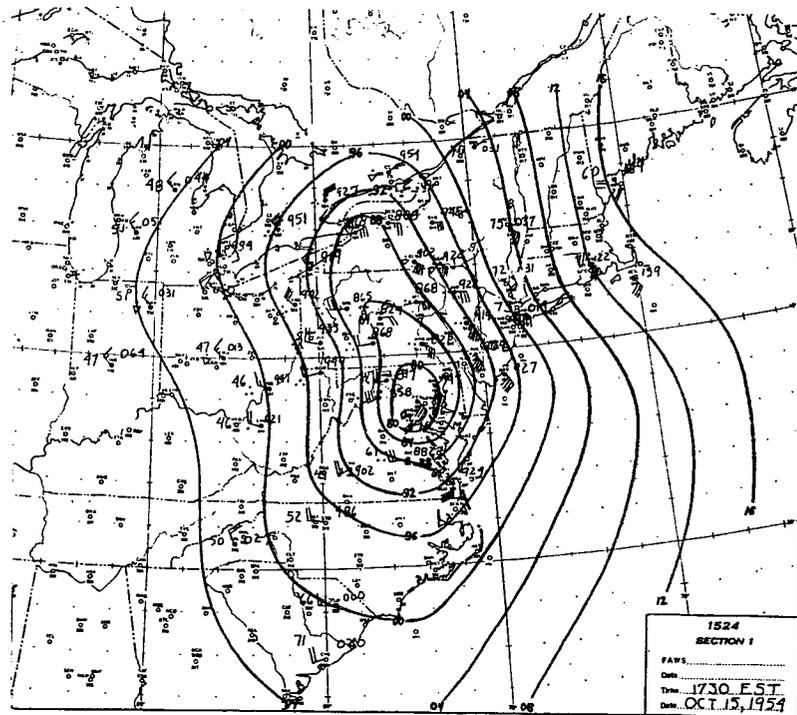
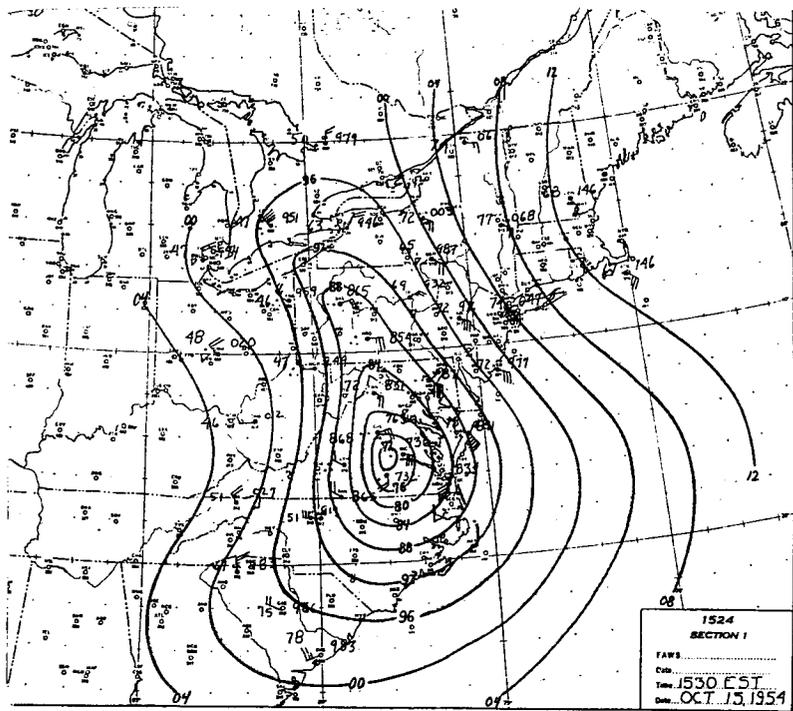
THE PATH OF HURRICANE "HAZEL" AND  
OTHERS WITH PATHS SIMILAR TO IT:  
AUGUST 1893, OCTOBER 1893 AND  
OCTOBER 1899.

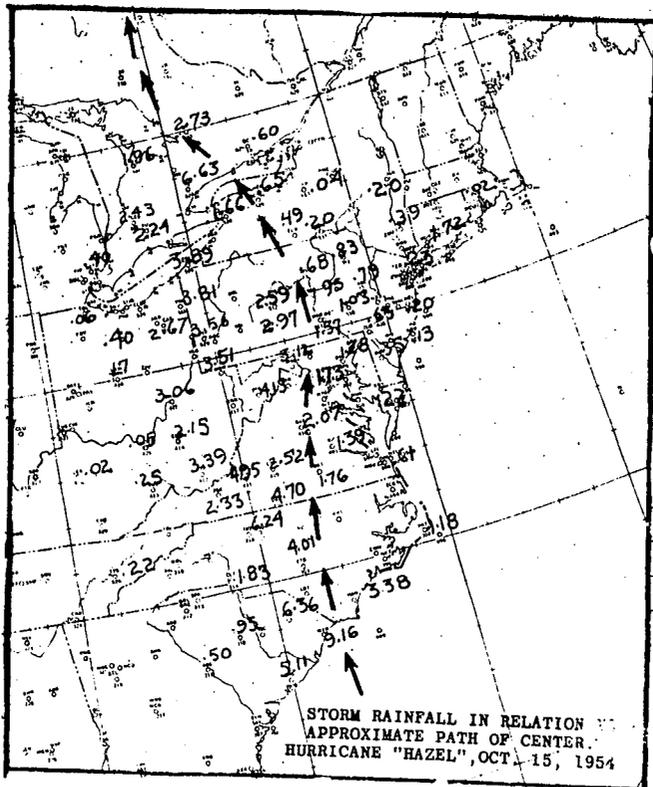
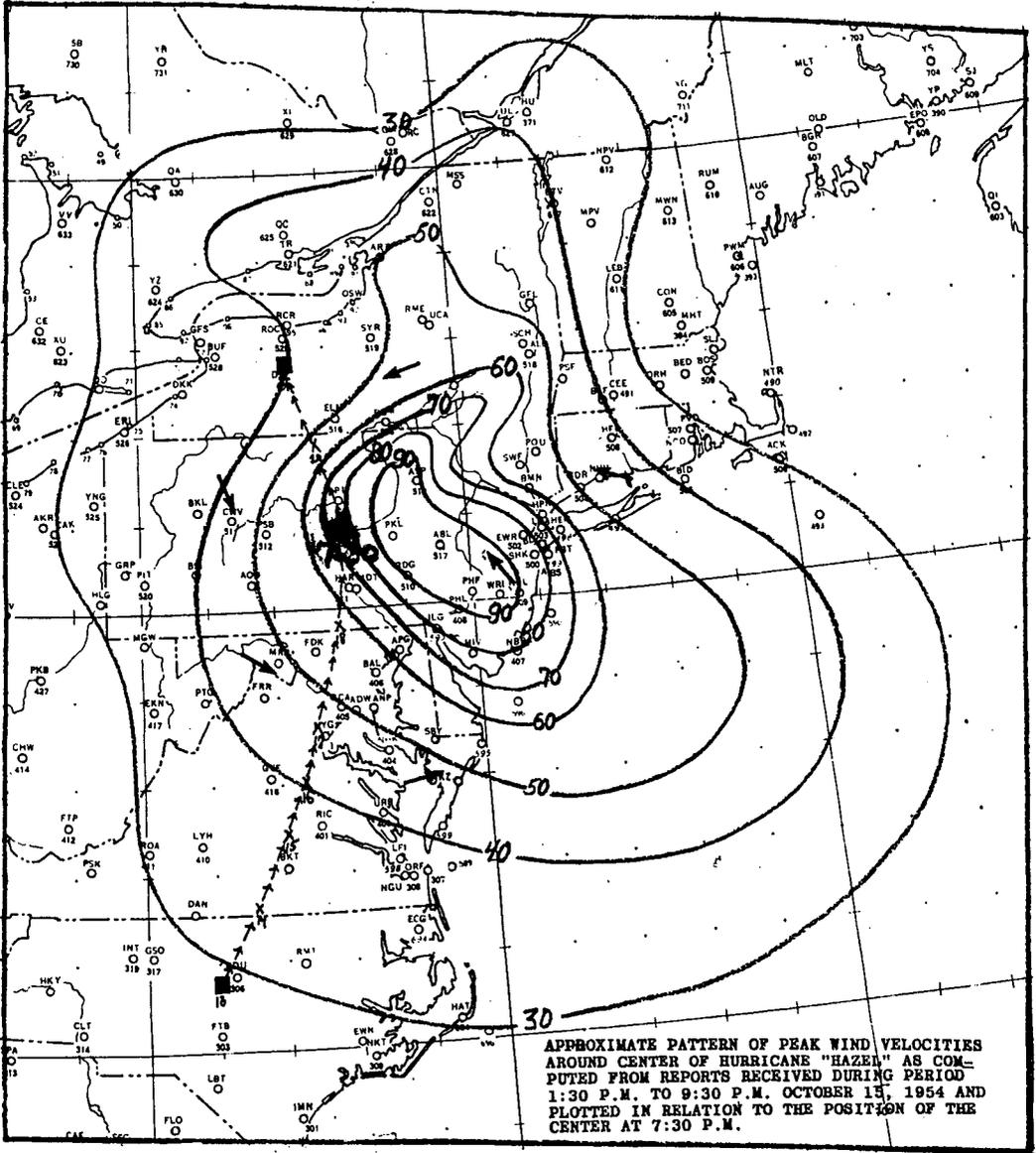


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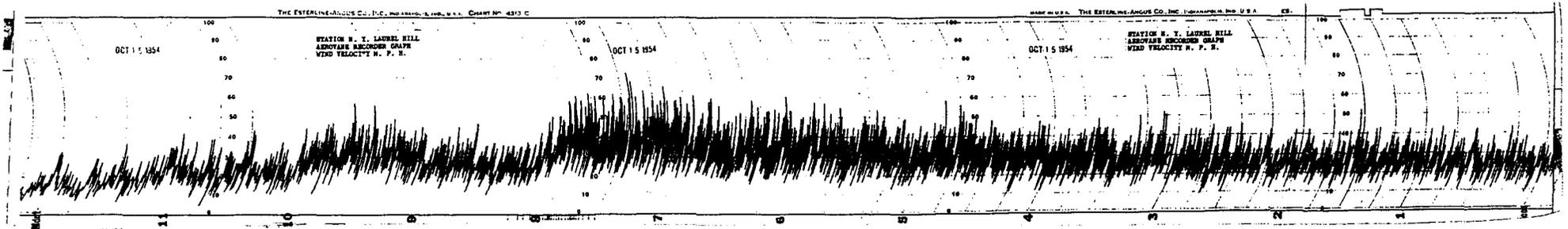
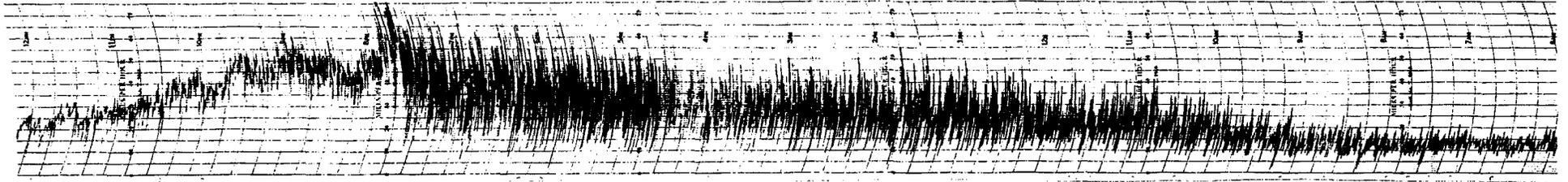




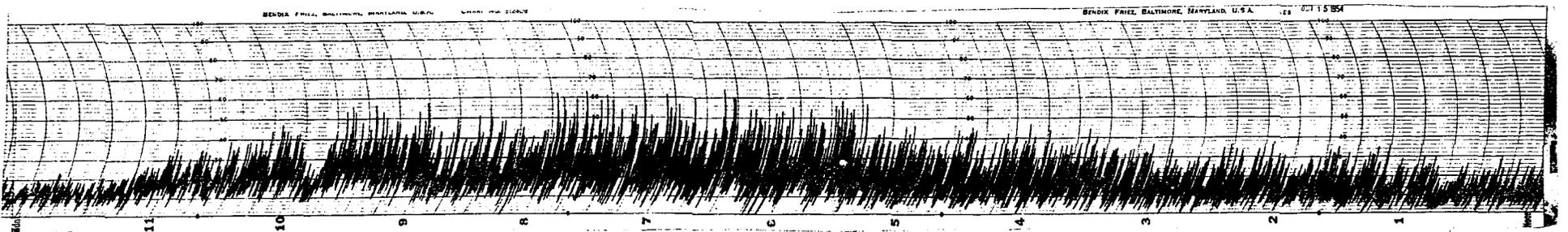




WIND SPEED RECORD- - 17 BATTERY PLACE, NEW YORK, N. Y.  
HURRICANE "HAZEL"- OCTOBER 15, 1954



WIND SPEED RECORD- - NEW JERSEY POWER AND LIGHT CO. DOVER, N. J.  
HURRICANE "HAZEL"- OCTOBER 15, 1954



U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU  
SURFACE WEATHER OBSERVATIONS  
DAILY RECORD

Station New York, N. Y., 17 Battery Place

Date FRIDAY OCTOBER 15, 1954

1 Time (EST)	2 Temperature (°F)	3 Precipitation (inches) T=Trace	WIND		6 Sunshine (minutes)	7 Sky Cover (Scale 0-10)	8 Lowest Visibility (miles)	9 Weather and Obstructions to Vision	10 Wind Velocity, Direction	11 Time when over 25 mph	12 Wind: Gust when over 45 mph	13 Relative Humidity (%)	Remarks, notes, etc.	
			4 Direction	5 Speed (M.P.H.)										
01	68		SE	17		6	12					88		
02	68		SE	17		7	12					89		
03	68		SE	15		6	12					87		
04	67		SE	14		7	12					89		
05	67		SE	14		9	12					92		
06	67		SE	16		9	10					90		
07	67		SE	14	(40)	9†	10					95	SUNRISE 0607 CLOUDY	
08	67		SE	14	(15)	10	8					90		
09	68		SE	15	00	10	8					89		
10	69		SE	18	00	10	8					87		
11	69	.01	SE	20	00	10	8	R	30 SE	1046		88	R began 1005 R ended 1015 MOONSET 1026 CLOUDY R began 1040	
12	69	.02	SE	24	00	10	8					89	R ended 1145	
13	70		SE	25	00	9†	9		33 SE	1222		86		
14	71		SE	35	23	10	9		36 SE	1325	55	82		
15	70		SE	34	00	10	7		40 SE	1414	58	85		
16	69		SE	35	00	10	8		41 SE	1546	52	86		
17	69		SE	36	00	10	7		45 SE	1633	68	86		
18	69		SE	38	00	10	7		49 SE	1740	80	87	SUNSET 1716 CLOUDY	
19	70		SE	44		10	7		56 SE	1801	80	88		
20	68	.15	SE	55		10	4	R	113 SE	1949	113†	86	R began 1900 MOONRISE 1945 CLOUDY	
21	67	.05	SE	51		9	7		57 SE	2011	63	81	R ended 2045	
22	69		SE	48		9	9		65 SE	2130	66	81		
23	62		S	37		7	10		49 SE	2201	50	73		
24	60		SW	32		5	12		37 SE	2307		65		
Sum		0.23		670	78	214								
Average			Prevailing	27.9	66.9	† 9								
Misc.			SE		12	† 10								

SYMBOLS USED IN COLUMN 9  
A-Hail E-Sleet K-Smoke R-Rain ZL-Freezing Drizzle  
BS-Blowing Snow F-Fog L-Drizzle S-Snow ZR-Freezing Rain  
D-Dust H-Haze N-Sand T-Thunderstorm

SCHEDULED OBSERVATIONS

AVERAGE: † Mid to Mid. ‡ sunrise to sunset

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

Time (LST)	Sea Level Pressure	Dry Bulb	Wet Bulb	Dew Point	Rel. Humid.	Temperature		Precipitation	Snowfall Sleet, Hail	Snow, Sleet, Hail or Ice on the Ground	Wind (M.P.H.)												
						Max.	Min.				24 Hour Max	24 Hour Min.	Average Temperature	Normal Temperature	24 Hour Precip (Water Equiv.)	24 Hour Snowfall Sleet Hail	Snow, Sleet, Hail or Ice on Ground	Max. Average 5 minute Speed and Direction	Time (LST)	Fastest Mile and Direction	Time (LST)	Distance	
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
0650	29.96	67.0	66.0	66	95	68.6	66.6	0	0	0		72	60	66	58	0.23	0	0	73 SE	1947	113 SE	1949	0
1150	29.77	68.5	65.8	64	89	70.3	67.0	0.03	0	0		335	2359										
1850	29.45	69.9	67.2	66	88	71.6	69.0	0	0	0													
MID	29.62	60.2	53.9	49	65	70.2	60.2	0.20	0	0													

EXCESSIVE PRECIPITATION

The excessive amounts for all 12 periods are entered whenever the amount for one or more periods equals or exceeds the rate of .01 inch per minute plus .20 inch	Minutes												51	52	53
	5	10	15	20	30	45	60	80	100	120	150	180			
	39	40	41	42	43	44	45	46	47	48	49	50			

STATION PRESSURE COMPUTATIONS

Time (LST)	54	0700	1900
Attached Thermometer	55	77.5	60.0
Observed Barometer	56	29.720	29.220
Total Correction	57	-.004	-.099
Station Pressure	58	29.626	29.121
Barograph Reading	59	29.630	29.120
Barograph Correction	60	-.005	0

61  
Additional remarks and notes; Hurricane HAZEL passed approximately 150 miles to the west of New York City causing the highest winds ever recorded in the New York City area.

SAN JUAN WEATHER BUREAU ADVISORY NUMBER 1 HAZEL 5 PM EST OCT 5 1954

RECONNAISSANCE AIRCRAFT LOCATED A SMALL HURRICANE THIS AFTERNOON AND AT 5 PM EST 2200Z...IT IS CENTERED AT APPROXIMATELY 12.1 NORTH AND 61.2 WEST OR ABOUT 30 MILES EAST OF GRENADA. IT IS APPARENTLY MOVING WESTWARD ABOUT 10 MPH AND IS ATTENDED BY WINDS OF 90 TO 95 MPH WITHIN 25 MILES TO NORTH AND EAST OF CENTER AND GALE WINDS EXTEND OUTWARD ABOUT 75 MILES IN THE NORTHERN AND EASTERN SEMICIRCLE. PRESENT INDICATIONS ARE FOR INCREASE IN INTENSITY DURING NEXT 12 HOURS WITH MOVEMENT BETWEEN WEST AND WESTNORTHWEST ABOUT 10 MPH. IMMEDIATE PRECAUTIONS SHOULD BE TAKEN IN THE GRENADINES AGAINST HURRICANE WINDS AND HIGH TIDES ON LARGER ISLANDS. CAUTION ADVISED ALL VESSELS IN THE SOUTHEASTERN CARIBBEAN SEA.

SAN JUAN WEATHER BUREAU ADVISORY NUMBER 2 HAZEL 11 PM EST OCT 5 1954

NO REPORTS HAVE BEEN RECEIVED FROM THE IMMEDIATE VICINITY OF HURRICANE HAZEL TONIGHT BUT APPARENTLY IT HAS PASSED JUST NORTH OF THE ISLAND OF GRENADA AND AT 11 PM EST 0400Z IT IS CENTERED NEAR LATITUDE 12.5 NORTH LONGITUDE 62.0 WEST MOVING WESTNORTHWESTWARD ABOUT 12 MPH. IT IS ATTENDED BY WINDS UP TO 95 MPH NEAR THE CENTER AND GALE WINDS EXTEND OUTWARD 75 MILES IN THE NORTHERN AND EASTERN SEMICIRCLE. IT IS EXPECTED THAT A SLIGHT INCREASE IN SIZE AND INTENSITY WILL TAKE PLACE DURING THE NEXT 12 HOURS WITH MOVEMENT CONTINUING TOWARD THE WESTNORTHWEST AT THE SAME RATE. CAUTION IS ADVISED ALL SHIPPING IN THE SOUTHEASTERN CARIBBEAN SEA.

SAN JUAN WEATHER BUREAU ADVISORY NUMBER 3 HAZEL 5 AM EST OCT 6 1954

HURRICANE HAZEL IS CENTERED AT 5 AM EST 1000Z AT APPROXIMATELY LATITUDE 13.1 NORTH LONGITUDE 63.1 WEST OR ABOUT 460 MILES SOUTHSOUTHEAST OF SAN JUAN PUERTO RICO. IT IS MOVING WESTNORTHWESTWARD AT ABOUT 14 MPH AND IS ATTENDED BY WINDS UP TO 95 MPH NEAR THE CENTER. GALE WINDS EXTEND OUTWARD 75 MILES TO THE NORTH AND EAST OF CENTER AND ABOUT 25 MILES SOUTH AND WEST OF CENTER. A SLIGHT INCREASE IN INTENSITY AND SIZE IS EXPECTED DURING THE NEXT 12 HOURS WITH MOVEMENT CONTINUING WESTNORTHWESTWARD AT ABOUT 15 MPH.. CAUTION IS ADVISED ALL VESSELS IN THE PATH OF THE HURRICANE.

SAN JUAN WEATHER BUREAU ADVISORY NUMBER 4 HAZEL 11 AM EST OCT 6 1954

HURRICANE HAZEL IS CENTERED AT 11 AM EST 1600Z AT APPROXIMATELY LATITUDE 12.6 NORTH AND 65.3 LONGITUDE OR ABOUT 375 MILES SOUTHSOUTHEAST OF SAN JUAN PUERTO RICO. THIS IS A SMALL STORM BUT IT HAS INCREASED SLIGHTLY IN INTENSITY DURING THE NIGHT AND IS NOW MOVING WESTNORTHWESTWARD AT 15 MPH. IT IS ATTENDED BY WINDS OF 105 MPH OVER A SMALL AREA NEAR THE CENTER. GALE WINDS EXTEND OUTWARD 75 MILES IN ALL QUADRANTS. INDICATIONS ARE THIS HURRICANE IS EXPECTED TO FURTHER INCREASE IN SIZE AND INTENSITY DURING THE NEXT 12 HOURS AND CONTINUE TO MOVE WEST NORTHWEST AT 15 MPH DURING THIS PERIOD. CAUTION IS ADVISED ALL VESSELS IN THE PATH OF THIS STORM AND SMALL CRAFT IN VICINITY OF CURACAO BONAIRE AND ARUBA SHOULD REMAIN IN PORT DURING NEXT 12 TO 24 HOURS.

SAN JUAN WEATHER BUREAU ADVISORY NUMBER 5 HAZEL 5 PM EST OCT 6 1954

HURRICANE HAZEL IS CENTERED AT 5 PM EST 2200Z NEAR LATITUDE 13.0 NORTH LONGITUDE 66.6 WEST OR ABOUT 170 MILES EAST NORTHEAST OF CURACAO NETHERLAND ANTILLES MOVING BETWEEN WEST AND WESTNORTHWEST AT ABOUT 18 MPH. IT IS ATTENDED BY MAXIMUM WINDS OF OVER 100 MPH OVER A SMALL AREA NEAR CENTER AND GALE WINDS EXTEND OUTWARD 130 MILES IN ALL QUADRANTS. THIS IS A SMALL BUT INTENSE HURRICANE. PRESENT INDICATIONS ARE FOR FURTHER SLIGHT INCREASE IN INTENSITY AND SIZE DURING THE NEXT 12 HOURS WITH CONTINUED WEST TO WESTNORTHWESTWARD MOVEMENT AT A SLIGHTLY ACCELERATED FORWARD RATE OF 18 MPH. ALL INTERESTS IN THE NETHERLANDS ANTILLES SHOULD BE ON THE ALERT FOR FURTHER ADVICES TONIGHT. NORTHWEST STORM WARNINGS INDICATED 5 PM EST 2200Z FOR BONAIRE CURACAO ARUBA AND THE COASTAL ISLANDS OF VENEZUELA. CAUTION ADVISED ALL VESSELS IN THE PATH OF THIS HURRICANE.

SAN JUAN WEATHER BUREAU ADVISORY NUMBER 6 11 PM EST OCT 6 1954

NO REPORTS HAVE BEEN RECEIVED FROM THE IMMEDIATE VICINITY OF HURRICANE HAZEL SINCE LATE THIS AFTERNOON BUT APPARENTLY IT IS STILL MOVING BETWEEN WEST AND WESTNORTHWESTWARD AT ABOUT 18 MPH. AT 11 PM EST 0400Z THE CENTER IS ESTIMATED TO BE NEAR LATITUDE 13.6 NORTH LONGITUDE 68.1 WEST OR ABOUT 85 MILES NORTHEAST OF CURACAO. HIGHEST WINDS ARE ESTIMATED AT ABOUT 100 MPH OVER A VERY SMALL AREA NEAR CENTER WITH GALES EXTENDING OUTWARD 50 TO 75 MILES IN THE SOUTHWEST QUADRANT AND 100 TO 130 MILES IN OTHER QUADRANTS. THE HURRICANE IS EXPECTED TO INCREASE SLIGHTLY IN INTENSITY AND SIZE DURING THE NEXT 12 HOURS WITH CONTINUED MOVEMENT BETWEEN WEST AND WESTNORTHWEST AT 18 MPH. NORTHWEST STORM WARNINGS ARE DISPLAYED ON THE NETHERLAND ISLANDS OF BONAIRE CURACAO AND ARUBA AND ON THE VENEZUELAN COASTAL ISLANDS. PRECAUTIONS AGAINST GALE WINDS SHOULD BE CONTINUED TONIGHT IN THE AREA OF DISPLAY AND INTERESTS IN THE NETHERLANDS ISLANDS SHOULD BE ON THE ALERT FOR FURTHER ADVICES. CAUTION IS ADVISED ALL VESSELS IN THE PATH OF THIS HURRICANE.

SAN JUAN WEATHER BUREAU ADVISORY NUMBER 7 5 AM EST OCT 7 1954

NO REPORTS HAVE BEEN RECEIVED FROM THE VICINITY OF HURRICANE HAZEL THIS MORNING BUT IT APPARENTLY CONTINUES TO MOVE AT A SLIGHTLY HIGHER SPEED BETWEEN WEST AND WESTNORTHWEST AT ABOUT 19 MPH AND AT 5 AM EST 1000Z THE CENTER IS ESTIMATED TO BE NEAR LATITUDE 13.9 NORTH LONGITUDE 69.7 WEST OR ABOUT 140 MILES NORTHNORTHWEST OF CURACAO NWI. IT IS STILL ATTENDED BY HURRICANE WINDS OVER A SMALL AREA NEAR THE CENTER. GALE WINDS EXTEND OUTWARD 100 TO 150 MILES IN NORTH AND EAST QUADRANTS 75 MILES IN WEST QUADRANT AND 50 MILES IN SOUTHWEST QUADRANT. THE AREA OF GALE WINDS IS EXPECTED TO INCREASE IN SIZE IN NORTH AND EAST QUADRANTS NEXT 12 HOURS. MOVEMENT TOWARD THE WEST OR WEST NORTHWEST NEXT 12 HOURS WITH SOME INDICATION OF A MORE WESTNORTHWEST COURSE AT ABOUT 15 MPH. ALL WARNINGS DOWN IN THE NETHERLANDS WEST INDIES AND VENEZUELAN COASTAL ISLANDS. CAUTION ADVISED ALL VESSELS IN THE PATH OF THIS HURRICANE.

SAN JUAN WEATHER BUREAU ADVISORY NUMBER 8 11 AM EST OCT 7 1954

NAVAL RECONNAISSANCE AIRCRAFT PENETRATED THE EYE OF HURRICANE HAZEL THIS MORNING AND FOUND IT SOME DISTANCE SOUTH OF THE POSITION REPORTED IN THE 5 AM ADVISORY. THIS INDICATES THAT THE HURRICANE HAS BEEN MOVING IN A MORE WESTERLY PATH AT A SLOWER SPEED OF ABOUT 10 MPH. AT 11 AM EST 1600Z THE HURRICANE IS CENTERED AT LATITUDE 12.9 NORTH LONGITUDE 69.4 WEST OR ABOUT 60 MILES NORTHNORTHWEST OF CURACAO NWI. IT HAS INCREASED IN INTENSITY AND IS NOW ATTENDED BY WINDS OF 115 MPH WITHIN 65 MILES OF THE CENTER IN THE NORTHERN AND EASTERN SEMICIRCLE AND WITHIN 20 MILES OF CENTER TO SOUTH AND WEST. GALE WINDS EXTEND OUTWARD 200 MILES TO THE NORTH AND EAST AND 50 MILES TOWARD THE WEST. FURTHER INCREASE IN THE AREA OF HURRICANE AND GALE WINDS IS EXPECTED DURING THE NEXT 12 HOURS WITH CONTINUED WESTWARD MOVEMENT AT ABOUT 10 MPH. THIS IS A VERY DANGEROUS STORM AND VESSELS ARE ADVISED TO EXERCISE CAUTION DURING THE NEXT 24 HOURS. PRECAUTIONS SHOULD BE TAKEN AGAINST POSSIBLE HURRICANE WINDS ON THE ISLAND OF ARUBA THIS AFTERNOON AND EARLY TONIGHT.

SAN JUAN WEATHER BUREAU ADVISORY NUMBER 9 5 PM EST OCT 7 1954

HURRICANE HAZEL IS CENTERED AT 5 PM EST 2200Z AT LATITUDE 13.7 NORTH LONGITUDE 70.4 WEST OR ABOUT 150 MILES NORTHWEST OF CURACAO NWI. IT HAS ACCELERATED SLIGHTLY AND IS NOW MOVING WESTNORTHWEST AT ABOUT 13 MPH. IT IS ATTENDED BY WINDS OF 115 MPH WITHIN 50 MILES OF THE CENTER IN NORTHEAST QUADRANT GALES EXTEND OUT 120 MILES IN NORTH SEMICIRCLE AND 40 MILES TO SOUTH. FURTHER INCREASE IN SIZE OF THIS HURRICANE IS EXPECTED DURING THE NEXT 12 HOURS WITH A WESTNORTHWEST MOVEMENT AT ABOUT 13 MPH. THIS IS A VERY DANGEROUS HURRICANE AND VESSELS ARE ADVISED TO AVOID THE STORM AREA. NO DANGEROUS WINDS WILL OCCUR ON THE ISLAND OF ARUBA TONIGHT.

SAN JUAN WEATHER BUREAU ADVISORY NUMBER 10 11 PM EST OCT 7 1954

NO REPORTS HAVE BEEN RECEIVED FROM THE VICINITY OF HURRICANE HAZEL TONIGHT. APPARENTLY IT CONTINUES TO MOVE TOWARD THE WEST NORTHWEST AT 13 MPH AND AT 11 PM EST 0400Z IT IS ESTIMATED TO BE NEAR LATITUDE 14.1 NORTH LONGITUDE 71.4 WEST OR 280 MILES SOUTH WESTWEST OF CIUDAD TRUJILLO DOMINICAN REPUBLIC. IT IS ATTENDED BY WINDS OF 90 TO 100 MPH WITHIN A 50 MILE RADIUS OF CENTER IN NORTHEAST QUADRANT AND GALE WINDS EXTEND OUTWARD 120 MILES IN NORTHERN SEMICIRCLE AND 40 MILES IN SOUTHERN SEMICIRCLE. MOVEMENT BETWEEN NW AND NW AT A SLIGHTLY INCREASED RATE IS EXPECTED NEXT 12 HOURS AND THERE ARE SOME INDICATIONS OF INCREASE IN THE AREA OF GALE WINDS DURING PERIOD. CAUTION ADVISED ALL VESSELS IN PATH OF STORM.

SAN JUAN WEATHER BUREAU ADVISORY NUMBER 11 5 AM EST OCT 8 1954

NO REPORTS HAVE BEEN RECEIVED FROM VICINITY HURRICANE HAZEL THIS MORNING BUT IT APPARENTLY IS MOVING WESTNORTHWESTWARD AT ABOUT 12 MPH AND AT 5 AM EST 1000Z IS ESTIMATED TO BE NEAR LATITUDE 14.1 NORTH LONGITUDE 72.4 WEST OR ABOUT 280 MILES SOUTH OF PORT AU PRINCE HAITI. IT IS ATTENDED BY WINDS OF 90 TO 100 MPH WITHIN A 50 MILE RADIUS OF CENTER IN NORTHEAST QUADRANT AND GALE WINDS EXTEND OUTWARD 150 MILES IN NORTHERN SEMICIRCLE AND 40 MILES IN SOUTHERN SEMICIRCLE. CONTINUED WESTNORTHWESTWARD MOVEMENT AT ABOUT THE SAME RATE OR SLIGHTLY INCREASED RATE IS EXPECTED NEXT 12 HOURS WITH A FURTHER SLIGHT INCREASE IN AREA OF GALE WINDS DURING PERIOD. CAUTION IS ADVISED VESSELS IN CARIBBEAN SEA SOUTH OF WINDWARD PASSAGE NEXT 24 HOURS.

SAN JUAN WEATHER BUREAU ADVISORY NUMBER 12 11 AM EST OCT 8 1954

NAVAL RECONNAISSANCE AIRCRAFT PENETRATED THE EYE OF HURRICANE HAZEL SOME DISTANCE SOUTH EAST OF THE POSITION REPORTED IN THE 5 AM ADVISORY AND IT APPEARS THAT THE STORM HAS BEEN MOVING IN A MORE WESTERLY PATH AND AT A SPEED OF 8 MPH. AT 11 AM EST 1600Z THE HURRICANE IS CENTERED AT LATITUDE 13.6 NORTH LONGITUDE 72.2 WEST OR ABOUT 345 MILES SOUTH OF PORT AU PRINCE HAITI WITH A CENTRAL PRESSURE OF 986 MBS. IT IS ATTENDED BY WINDS OF 115 TO 125 MPH WITHIN A RADIUS OF 50 MILES IN THE NORTHEAST QUADRANT AND IN OTHER QUADRANTS WITHIN 25 MILES OF ITS NNN CENTER. GALE WINDS EXTEND OUTWARD 170 MILES IN NORTHERN SEMICIRCLE AND 40 TO 50 MILES IN SOUTHERN SEMICIRCLE. CONTINUED WESTERLY MOVEMENT AT ABOUT 6 TO 8 MPH IS EXPECTED FOR THE NEXT 12 HOURS WITH A GRADUAL VEERING TOWARDS THE WESTNORTHWEST THEREAFTER. THIS IS A VERY DANGEROUS HURRICANE AND VESSELS ARE ADVISED TO AVOID THE STORM AREA.

SAN JUAN WEATHER BUREAU ADVISORY NUMBER 13 5 PM EST OCT 8 1954

HURRICANE HAZEL HAS REMAINED ALMOST STATIONARY BUT WITH A SLOW WESTWARD DRIFT FOR THE PAST SIX HOURS AND AT 5 PM EST 2200Z IT IS LOCATED AT 13.7 NORTH 72.5 WEST OR ABOUT 345 MILES SOUTH OF PORT AU PRINCE HAITI. THE STORM CONTINUES TO INCREASE IN SIZE AND INTENSITY. IT IS ATTENDED BY WINDS UP TO 125 MPH WITHIN A 60 TO 75 MILE RADIUS OF CENTER IN THE NORTHERN SEMICIRCLE AND 30 MILE RADIUS IN SOUTHERN SEMICIRCLE. GALE WINDS EXTEND OUTWARD 180 TO 200 MILES IN NORTHERN SEMICIRCLE. THE STORM IS EXPECTED TO DRIFT SLOWLY WESTWARD AT ABOUT 4 TO 6 MPH THE NEXT 12 HOURS WITH A FURTHER INCREASE IN SIZE AND INTENSITY. THIS IS A VERY DANGEROUS STORM AND VESSELS ARE ADVISED TO AVOID THE STORM AREA.

SAN JUAN WEATHER BUREAU ADVISORY NUMBER 14 11 PM EST OCT 8 1954

REPORTS FROM NAVAL RECONNAISSANCE AIRCRAFT INDICATE HURRICANE HAZEL IS NOW MOVING TOWARD THE WEST NORTHWEST AT AN ACCELERATED RATE OF 12 MPH AND AT 11 PM EST 0400Z IT IS LOCATED AT LATITUDE 14.2 NORTH LONGITUDE 73.4 WEST OR ABOUT 300 MILES SOUTH SOUTHWEST OF PORT AU PRINCE HAITI. WINDS OF 125 MPH OCCUR WITHIN 75 MILES OF THE CENTER IN NORTHERN SEMICIRCLE AND 30 MILES IN SOUTHERN SEMICIRCLE WITH GALE WINDS EXTENDING OUTWARD 200 MILES TO NORTH AND 100 MILES TO SOUTH. WEST NORTHWEST MOVEMENT AT SAME RATE IS EXPECTED NEXT 12 HOURS. THIS IS A VERY DANGEROUS HURRICANE. ALL VESSELS IN CENTRAL CARIBBEAN SHOULD EXERCISE EXTREME CAUTION.

SAN JUAN WEATHER BUREAU ADVISORY NUMBER 15 5 AM EST OCT 9 1954

HURRICANE HAZEL IS CENTERED AT 5 AM EST 1000Z NEAR LATITUDE 14.0 NORTH LONGITUDE 73.8 WEST OR ABOUT 360 MILES SOUTHEAST OF KINGSTON JAMAICA MOVING WEST TO WEST NORTHWEST ABOUT 8 MPH. WINDS UP TO 125 MPH ARE OCCURRING WITHIN 75 MILES OF CENTER IN NORTHERN SEMICIRCLE AND WITHIN 30 MILES IN SOUTHERN SEMICIRCLE. GALE WINDS EXTEND OUTWARD 200 MILES TO THE NORTH AND 100 MILES SOUTH. CONTINUED MOVEMENT TOWARD THE WESTNORTHWEST IS EXPECTED DURING THE NEXT 12 HOURS. THIS IS A VERY DANGEROUS HURRICANE AND ALL VESSELS IN THE CENTRAL CARIBBEAN SHOULD EXERCISE EXTREME CAUTION. SMALL CRAFT IN JAMAICA SHOULD REMAIN IN PORT.

MIAMI WEATHER BUREAU ADVISORY NUMBER 16 11 AM EST OCT 9 1954

HURRICANE HAZEL WAS CENTERED AT 11 AM EST 1600Z NEAR LATITUDE 14.1 NORTH LONGITUDE 74.8 WEST OR ABOUT 315 MILES SOUTHEAST OF KINGSTON JAMAICA MOVING TOWARDS THE WEST OR WEST NORTHWEST ABOUT 8 MPH. WINDS ARE ESTIMATED UP TO 125 MPH WITHIN 75 MILES OF CENTER IN NORTHERN SEMICIRCLE AND 30 MILES TO THE SOUTH. GALES EXTEND 200 MILES NORTH OF CENTER AND 100 MILES SOUTH. MOVEMENT IS EXPECTED TO CONTINUE TOWARDS THE WEST TO WESTNORTHWEST AT ABOUT 8 MPH DURING THE NEXT 12 HOURS. THIS IS A VERY DANGEROUS HURRICANE AND ALL SHIPPING IN THE CENTRAL CARIBBEAN SHOULD EXERCISE EXTREME CAUTION. SMALL CRAFT IN JAMAICA SHOULD REMAIN IN PORT.

MIAMI WEATHER BUREAU ADVISORY NUMBER 17 5 PM EST OCT 9 1954

HURRICANE HAZEL WAS CENTERED AT 5 PM EST 2200Z NEAR LATITUDE 14.3 NORTH LONGITUDE 75.3 WEST OR ABOUT 275 MILES SOUTH SOUTHEAST OF KINGSTON JAMAICA. IT IS MOVING IN A DIRECTION BETWEEN WEST AND WEST NORTHWEST AT 7 OR 8 MPH. LITTLE CHANGE IN INTENSITY HAS BEEN INDICATED AND HIGHEST WINDS ARE ESTIMATED 125 MPH NEAR THE CENTER WITH HURRICANE FORCE WINDS 100 MILES TO THE NORTH AND 50 MILES SOUTH OF CENTER. GALES EXTEND OUTWARD 200 MILES IN NORTHERN AND 100 MILES IN SOUTHERN SEMICIRCLE. MOVEMENT IS EXPECTED TO CONTINUE BETWEEN WEST AND WESTNORTHWEST AT 7 OR 8 MPH FOR THE NEXT 12 TO 18 HOURS. THIS CONTINUES TO BE A VERY DANGEROUS HURRICANE AND ALL SHIPPING IN THE CENTRAL CARIBBEAN SHOULD EXERCISE EXTREME CAUTION. WINDS WILL BE INCREASING NEAR JAMAICA TONIGHT AND SMALL CRAFT THERE SHOULD REMAIN IN PORT.

MIAMI WEATHER BUREAU ADVISORY NUMBER 18 11 PM EST OCT 9 1954

HURRICANE HAZEL WAS CENTERED AT LATITUDE 14.5 NORTH LONGITUDE 76.0 WEST OR 250 MILES SOUTH SOUTHEAST OF KINGSTON JAMAICA AT 11 PM EST 0400Z. IT IS STILL MOVING TOWARDS THE WEST NORTHWEST ABOUT 8 MPH. HIGHEST WINDS ESTIMATED 125 MPH NEAR CENTER AND HURRICANE FORCE WINDS EXTEND 100 MILES TO NORTH AND 50 MILES SOUTH OF CENTER. GALES EXTEND OUTWARD 200 MILES IN NORTHERN AND 100 MILES IN SOUTHERN SEMICIRCLE. CONTINUED WEST NORTHWEST MOVEMENT AT ABOUT THE SAME SPEED IS INDICATED FOR THE NEXT 12 TO 18 HOURS. THIS IS A VERY SEVERE HURRICANE AND SHIPPING IN PATH SHOULD EXERCISE CAUTION. SMALL CRAFT SHOULD NOT VENTURE INTO OPEN SEA FROM JAMAICA.

MIAMI WEATHER BUREAU ADVISORY NUMBER 19 5 AM EST OCT 10 1954

HURRICANE HAZEL WAS CENTERED NEAR 14.7 NORTH LONGITUDE 76.7 WEST OR 250 MILES SOUTH OF KINGSTON JAMAICA AT 5 AM EST 1000Z. THIS POSITION IS ESTIMATED FROM DATA OUTSIDE OF THE HURRICANE AND IS BELIEVED ACCURATE TO WITHIN ONE HALF OF A DEGREE. THE HURRICANE IS STILL MOVING TOWARDS THE WEST NORTHWEST AT ABOUT 8 MPH. HIGHEST WINDS ESTIMATED 125 MPH. HURRICANE FORCE WINDS EXTEND OUTWARD 100 MILES TO NORTH AND 50 MILES TO SOUTH OF CENTER. GALES EXTEND OUTWARD 200 MILES TO NORTH AND 100 MILES TO SOUTH. CONTINUED SLOW WESTNORTHWEST MOVEMENT IS EXPECTED FOR THE NEXT 12 HOURS. SHIPPING BEFORE THE HURRICANE SHOULD EXERCISE CAUTION. SMALL CRAFT SHOULD NOT VENTURE INTO OPEN SEA SOUTH OF JAMAICA.

MIAMI WEATHER BUREAU ADVISORY NUMBER 20 11 AM EST OCT 10 1954

THE EXTRAPOLATED POSITION OF HAZEL LAST NIGHT WAS TOO FAR TO THE SOUTH AND WEST DUE TO LACK OF REPORTS NEAR THE STORM. AT 11 AM EST 1600Z RECONNAISSANCE AIRCRAFT LOCATED THE CENTER AT LATITUDE 15.2 NORTH LONGITUDE 75.8 WEST OR 220 MILES SOUTHSOUTHEAST OF KINGSTON JAMAICA. IT IS MOVING TOWARDS THE NORTHWEST AT ABOUT 5 TO 6 MPH. STRONGEST WINDS 115 MPH OVER SMALL AREA NEAR CENTER AND GALES EXTEND OUTWARD 150 MILES TO NORTH AND EAST AND 80 MILES TO SOUTH AND WEST. THIS COURSE IF MAINTAINED WILL BRING THE CENTER SOUTH OF THE ISLAND OF JAMAICA TONIGHT. CONTINUED MOVEMENT TOWARDS THE NORTHWEST AT ABOUT THE SAME SPEED IS INDICATED FOR THE NEXT 12 TO 18 HOURS. SHIPPING IN PATH SHOULD EXERCISE CAUTION AS THIS IS A DANGEROUS HURRICANE. INTERESTS ELSEWHERE IN THE NORTHWESTERN CARIBBEAN SHOULD REMAIN ON THE ALERT FOR FURTHER ADVICES TODAY AND MONDAY.

MIAMI WEATHER BUREAU ADVISORY NUMBER 21 5 PM EST OCT 10 1954

HURRICANE HAZEL WAS CENTERED AT 5 PM EST 2200Z NEAR LATITUDE 15.6 NORTH LONGITUDE 75.9 WEST OR ABOUT 180 MILES SOUTH SOUTHEAST OF KINGSTON JAMAICA. IT IS MOVING VERY SLOWLY TOWARDS THE NORTHWEST AT ABOUT 5 MPH. HIGHEST WINDS ARE 115 MPH OVER A SMALL AREA NEAR THE CENTER AND GALES EXTEND OUT 150 MILES TO THE NORTH AND EAST AND 80 MILES SOUTH AND WEST. MOVEMENT IS EXPECTED TO CONTINUE TOWARDS THE NORTHWEST AT ABOUT 5 MPH FOR THE NEXT 12 TO 18 HOURS. THIS MOVEMENT WILL RESULT IN A GRADUAL INCREASE IN THE WINDS NEAR JAMAICA. SMALL CRAFT THERE ARE CAUTIONED TO REMAIN IN PORT AND ALL INTERESTS IN THE CARIBBEAN NORTH AND NORTHWEST OF THE STORM SHOULD REMAIN ON THE ALERT FOR FURTHER ADVICES TONIGHT AND MONDAY.

MIAMI WEATHER BUREAU ADVISORY NUMBER 22 11 PM EST OCT 10, 1954

HURRICANE HAZEL HAS REMAINED ALMOST STATIONARY FOR THE PAST SEVERAL HOURS AND AT 11 PM EST 0400Z WAS CENTERED NEAR LATITUDE 15.6 NORTH LONGITUDE 75.9 WEST OR ABOUT 180 MILES SOUTH SOUTHEAST OF KINGSTON JAMAICA. HIGHEST WINDS ARE ESTIMATED 115 MPH OVER A SMALL AREA NEAR THE CENTER. GALES EXTEND OUTWARD 125 MILES TO NORTH AND EAST AND 80 MILES SOUTH AND WEST OF CENTER. MOVEMENT IS EXPECTED TO BE VERY SLOW DURING THE NEXT 12 HOURS AT NOT MORE THAN 3 OR 4 MPH TOWARDS THE NORTHWEST. ALL SMALL CRAFT IN JAMAICA SHOULD REMAIN IN PORT AND ALL INTERESTS THERE AND ELSEWHERE IN THE CARIBBEAN NORTH AND NORTHWEST OF THE HURRICANE SHOULD REMAIN ON THE ALERT FOR FURTHER ADVICES TONIGHT AND MONDAY.

MIAMI WEATHER BUREAU ADVISORY NUMBER 23 5 AM EST OCT 11 1954

HURRICANE HAZEL HAS CHANGED COURSE AND IS MOVING TOWARDS THE NORTH NORTHEAST AT ABOUT 8 MPH AND WAS CENTERED AT 16.4 NORTH 75.1 WEST AT 5 AM EST 1000Z OR 260 MILES SOUTHWEST OF PORT AU PRINCE HAITI. HIGHEST WINDS ARE ESTIMATED AT 115 MPH OVER SMALL AREA NORTH AND EAST OF THE CENTER. HURRICANE FORCE WINDS EXTEND OUT ABOUT 50 MILES TO NORTH AND EAST. GALES EXTEND OUT 125 MILES FROM THE CENTER TO NORTH AND EAST AND 80 MILES TO SOUTH AND WEST. WINDS ARE INCREASING ALONG THE SOUTHERN COAST OF HAITI AND SHOULD REACH HURRICANE FORCE IN SOUTHWEST HAITI TODAY. HURRICANE SHOULD CONTINUE MOVING TOWARDS THE NORTHEAST AT ABOUT THE SAME SPEED FOR THE NEXT 6 TO 12 HOURS. IF THIS COURSE IS MAINTAINED WINDS SHOULD NOT REACH HURRICANE FORCE IN JAMAICA. HOWEVER, INTERESTS THERE SHOULD REMAIN ON THE ALERT IN CASE THE STORM CHANGES COURSE LATER IN THE DAY. PRECAUTIONS AGAINST DANGEROUS WINDS AND VERY HIGH TIDES SHOULD BE TAKEN IMMEDIATELY IN SOUTHERN HAITI. INTERESTS ELSEWHERE IN HAITI AND IN EXTREME EASTERN CUBA SHOULD REMAIN ON THE ALERT FOR LATER ADVICES. SMALL CRAFT SHOULD NOT VENTURE INTO OPEN SEA FROM EASTERN JAMAICA EXTREME EASTERN CUBA OR FROM HAITI. SHIPPING IN ADVANCE OF THE HURRICANE SHOULD EXERCISE CAUTION.

MIAMI WEATHER BUREAU ADVISORY NUMBER 24 11 AM EST OCT 11 1954

HURRICANE HAZEL CONTINUES TO MOVE SLOWLY ABOUT 8 MPH TOWARDS THE NORTHNORTHEAST AND AT 11 AM EST 1600Z WAS CENTERED AT LATITUDE 16.7 NORTH LONGITUDE 73.0 WEST OR 230 MILES SOUTHWEST OF PORT AU PRINCE HAITI. HIGHEST WINDS 115 MPH OVER SMALL AREA NEAR CENTER AND GALES EXTEND OUTWARD 125 MILES NORTH AND EAST AND 80 MILES TO SOUTH AND WEST OF CENTER. WINDS ARE INCREASING OVER WESTERN HISPANOLA AND EASTERN CUBA AND SHOULD REACH HURRICANE FORCE OVER WESTERN HAITI THIS AFTERNOON AND TONIGHT. EXTREMELY HEAVY RAINS ARE EXPECTED IN HAITI AND ALL PRECAUTIONS SHOULD BE TAKEN AGAINST DESTRUCTIVE WINDS ABNORMALLY HIGH TIDES AND TORRENTIAL RAINS. WINDS WILL CONTINUE TO INCREASE OVER EXTREME EASTERN CUBA AND IN THE SOUTHEASTERN BAHAMAS AS THE STORM PROGRESSES NORTHWARD AND PRECAUTIONS SHOULD BE TAKEN IN THESE AREAS FOR POSSIBLE GALE TO HURRICANE WINDS LATE TONIGHT AND TUESDAY. CONTINUED NORTH NORTHEAST MOVEMENT AT ABOUT THE SAME SPEED IS INDICATED FOR THE NEXT 12 TO 18 HOURS.

MIAMI WEATHER BUREAU ADVISORY NUMBER 25 5 PM EST OCT 11 1954

HURRICANE HAZEL CONTINUES ON A NORTH NORTHEAST COURSE AT ABOUT 8 MPH AND AT 5 PM EST 2200Z WAS CENTERED AT LATITUDE 17.3 NORTH LONGITUDE 74.8 WEST OR ABOUT 200 MILES WEST SOUTHWEST OF PORT AU PRINCE HAITI. HIGHEST WINDS ESTIMATED 115 MPH OVER A SMALL AREA NEAR THE CENTER AND GALES EXTEND OUT 125 MILES NORTH AND EAST AND 80 MILES SOUTH AND WEST OF CENTER. WINDS HAVE INCREASED OVER HAITI EXTREME EASTERN CUBA AND EASTERN JAMAICA AND SHOULD REACH HURRICANE FORCE OVER WESTERN HAITI AND EXTREME EASTERN CUBA DURING TONIGHT. PRECAUTIONS SHOULD BE CONTINUED AGAINST DESTRUCTIVE WINDS HEAVY RAINS AND ABNORMALLY HIGH TIDES IN THE LAND AREAS BORDERING THE WINDWARD CHANNEL. PRECAUTIONS SHOULD BE TAKEN IN THE SOUTHEASTERN BAHAMAS FOR POSSIBLE GALE TO HURRICANE WINDS LATE TONIGHT AND TUESDAY. CONTINUED NORTH NORTHEAST MOVEMENT IS INDICATED FOR THE NEXT 12 HOURS WITH POSSIBLY A TURN TO A MORE NORTHEASTERLY DIRECTION AT AN ACCELERATED RATE THEREAFTER.

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MIAMI WEATHER BUREAU ADVISORY NUMBER 26 11 PM EST OCT 11 1954

HURRICANE HAZEL WAS CENTERED AT 11 PM EST 0400Z NEAR LATITUDE 18.0 NORTH LONGITUDE 74.4 WEST OR ABOUT 140 MILES WEST SOUTHWEST OF PORT AU PRINCE HAITI. IT IS MOVING TOWARDS THE NORTHEAST AT ABOUT 8 MPH. HIGHEST WINDS ESTIMATED 115 MPH OVER A SMALL AREA NEAR THE CENTER AND GALES EXTEND OUT 125 MILES IN ALL QUADRANTS. THIS MOVEMENT WILL RESULT IN HURRICANE FORCE WINDS THROUGH THE WINDWARD PASSAGE AND OVER HAITI AND POSSIBLY EXTREME EASTERN CUBA TONIGHT AND EARLY TUESDAY. PRECAUTIONS SHOULD BE CONTINUED THESE AREAS FOR DESTRUCTIVE WINDS HEAVY RAINS AND ABNORMALLY HIGH TIDES. THE SOUTHEASTERN BAHAMAS SHOULD CONTINUE PRECAUTIONS FOR THE POSSIBILITY OF GALE TO HURRICANE WINDS THERE TUESDAY. THERE WILL BE SOME INTERFERENCE WITH THE MOVEMENT BY THE LAND AREA OF HAITI BUT IT IS EXPECTED TO AVERAGE TOWARDS TO THE NORTH NORTHEAST AT ABOUT 8 MPH FOR THE NEXT 12 HOURS.

MIAMI WEATHER BUREAU ADVISORY NUMBER 27 5 AM EST OCT 12 1954

HURRICANE HAZEL WAS CENTERED AT 5 AM EST 1000Z AT LATITUDE 18.4 NORTH LONGITUDE 74.4 WEST OR 150 MILES SOUTHEAST OF GUANTANAMO. HIGHEST WINDS ESTIMATED AT 115 MPH OVER SMALL AREA NEAR CENTER AND GALES EXTEND OUT 125 MILES IN ALL QUADRANTS. THE HURRICANE IS NOW PASSING OVER EXTREME SOUTHWESTERN HAITI. WINDS ARE INCREASING OVER NORTHWEST HAITI AND EXTREME EASTERN CUBA AND SHOULD REACH HURRICANE FORCE IN THOSE AREAS THIS AFTERNOON OR EARLY TONIGHT. PRECAUTIONS SHOULD BE CONTINUED THOSE AREAS FOR DESTRUCTIVE WINDS HEAVY RAINS AND ABNORMALLY HIGH TIDES. THE SOUTHEASTERN BAHAMAS SHOULD CONTINUE PRECAUTIONS FOR POSSIBILITY OF GALE TO HURRICANE FORCE WINDS TONIGHT OR WEDNESDAY. THE MOUNTAINS OF SOUTHWEST HAITI SHOULD DISRUPT THE CIRCULATION OF THE HURRICANE SOMEWHAT BUT THE CIRCULATION SHOULD REFORM OVER THE WATERS OF THE WINDWARD PASSAGE. FUTURE MOVEMENT IS EXPECTED TO BE SLOW PROBABLY TOWARDS THE NORTH FOR THE NEXT 6 TO 12 HOURS.

MIAMI WEATHER BUREAU ADVISORY NUMBER 28 11 AM EST OCT 12 1954

HURRICANE HAZEL CONTINUES ON A NORTHEAST COURSE AT ABOUT 7 MPH AND AT 11 AM EST 1600Z WAS CENTERED AT LATITUDE 19.0 NORTH LONGITUDE 74.0 WEST OR 110 MILES SOUTHWEST OF GUANTANAMO BAY CUBA. HIGHEST WINDS ESTIMATED 115 MPH OVER SMALL AREA NEAR CENTER AND GALES EXTEND OUTWARD 125 MILES IN ALL QUADRANTS. GALE TO HURRICANE FORCE WINDS WILL CONTINUE IN THE WINDWARD CHANNEL AND ADJACENT LAND AREAS AND WILL INCREASE OVER THE EAST AND CENTRAL BAHAMAS TODAY AND TONIGHT AS THE HURRICANE PROGRESSES NORTH NORTHEAST. THE HURRICANE WILL BE DISTORTED BY PASSING THROUGH THE MOUNTAIN AREA OF HAITI AND EASTERN CUBA BUT WILL REFORM AS IT MOVES INTO THE ATLANTIC. PRECAUTIONS SHOULD BE CONTINUED IN HAITI AND EASTERN CUBA AND SHOULD BE TAKEN IN THE EASTERN BAHAMAS AGAINST DESTRUCTIVE WINDS HEAVY RAINS AND ABNORMALLY HIGH TIDES. CONTINUED SLOW MOVEMENT AT ABOUT THE SAME SPEED AND IN SAME DIRECTION IS EXPECTED FOR THE NEXT 12 TO 18 HOURS.

MIAMI WEATHER BUREAU ADVISORY NUMBER 29 5 PM EST OCT 12 1954

HURRICANE HAZEL CONTINUES ON A NORTH NORTHEAST COURSE AT ABOUT 7 MPH AND AT 5 PM EST 2200Z WAS CENTERED NEAR LATITUDE 19.5 NORTH LONGITUDE 73.7 WEST OR ABOUT 90 MILES EAST SOUTHWEST OF GUANTANAMO BAY CUBA. HIGHEST WINDS ARE ESTIMATED 115 MPH OVER A SMALL AREA NEAR THE CENTER AND GALES EXTEND OUTWARD 125 MILES IN ALL QUADRANTS. GALE TO HURRICANE FORCE WINDS WILL CONTINUE IN THE WINDWARD CHANNEL AND ADJACENT LAND AREAS TONIGHT AND EARLY WEDNESDAY. WINDS WILL BE INCREASING IN THE CENTRAL AND SOUTHEASTERN BAHAMAS WITH GALE TO HURRICANE WINDS INDICATED FOR THE EXTREME SOUTHEASTERN BAHAMAS LATE TONIGHT AND WEDNESDAY. PRECAUTIONS SHOULD BE CONTINUED IN HAITI AND EXTREME EASTERN CUBA AND IN THE SOUTHEASTERN BAHAMAS AGAINST DESTRUCTIVE WINDS HEAVY RAINS AND ABNORMALLY HIGH TIDES. CONTINUED NORTH NORTHEASTWARD MOVEMENT AT ABOUT THE SAME RATE OF 7 MPH IS EXPECTED FOR THE NEXT 12 HOURS.

MIAMI WEATHER BUREAU ADVISORY NUMBER 30 11 PM EST OCT 12 1954

HURRICANE HAZEL WAS CENTERED AT 11 PM EST 0400Z NEAR LATITUDE 19.9 NORTH LONGITUDE 73.3 WEST. THIS IS IN THE WINDWARD PASSAGE NEAR THE WESTERN TIP OF THE NORTHERN PENINSULA OF HAITI OR ABOUT 110 MILES EAST OF GUANTANAMO BAY CUBA. IT IS MOVING TOWARDS THE NORTH NORTHEAST AT 6 TO 8 MPH. HIGHEST WINDS ARE ESTIMATED 115 MPH OVER A VERY SMALL AREA NEAR THE CENTER. HURRICANE FORCE WINDS EXTEND OUT 50 MILES AND GALES 100 MILES IN ALL QUADRANTS. THIS MOVEMENT WILL BRING THE HURRICANE INTO THE ATLANTIC NEAR THE SOUTHEASTERN BAHAMAS. ALL PRECAUTIONS SHOULD BE CONTINUED FOR DANGEROUS GALE TO HURRICANE WINDS THERE LATE TONIGHT AND WEDNESDAY. WINDS WILL BE GRADUALLY SUBSIDING IN THE WINDWARD PASSAGE AND SOUTHERN HAITI WEDNESDAY. CONTINUED NORTH NORTHEASTWARD MOVEMENT AT 6 TO 8 MPH IS INDICATED FOR THE NEXT 12 HOURS.

MIAMI WEATHER BUREAU ADVISORY NUMBER 31 5 AM EST OCT 13 1954

HURRICANE HAZEL IS APPROACHING THE SOUTHEASTERN BAHAMAS. IT WAS CENTERED AT 20.5 NORTH 73.3 WEST OR JUST SOUTH OF GREAT INAGUA ISLAND BAHAMAS AT 5 AM EST 1000Z AND WAS MOVING TOWARDS THE NORTH AT 6 MPH. HIGHEST WINDS ARE ESTIMATED AT 80 TO 90 MPH OVER A SMALL AREA NEAR THE CENTER. GALES EXTEND OUT 75 MILES FROM THE CENTER IN ALL QUADRANTS. APPARENTLY THE HURRICANE DECREASED IN INTENSITY WHILE PASSING BETWEEN CUBA AND HAITI. THE HURRICANE SHOULD MOVE INTO THE SOUTHEASTERN BAHAMAS TODAY IN THE INAGUA MAYAGUANA AND CAICOS ISLANDS AREA. ALL PRECAUTIONS FOR HURRICANE WINDS AND HIGH SEAS SHOULD BE CONTINUED THROUGHOUT THE SOUTHEASTERN BAHAMAS. THE STORM SHOULD MOVE SLOWLY TOWARDS THE NORTH OR NORTH NORTHEAST FOR THE NEXT 12 HOURS AT ABOUT THE SAME RATE AND SHOULD REGAIN SOME OF ITS INTENSITY NOW THAT IT HAS LEFT THE MOUNTAINS OF HAITI AND EASTERN CUBA BEHIND. WINDS SHOULD SLOWLY DECREASE OVER EXTREME EASTERN CUBA AND NORTHWESTERN HAITI TODAY.

MIAMI WEATHER BUREAU ADVISORY NUMBER 32 11 AM EST OCT 13 1954

HURRICANE HAZEL WAS CENTERED AT LATITUDE 21.4 NORTH LONGITUDE 73.1 WEST OR NEAR THE NORTHEAST END OF THE ISLAND OF GREAT INAGUA IN THE SOUTHEAST BAHAMAS AT 11 AM EST 1600Z. IT IS MOVING IN A DIRECTION BETWEEN NORTH AND NORTH NORTHEAST AT 8 MPH. APPARENTLY THE HURRICANE LOST SOME FORCE PASSING THROUGH THE MOUNTAINOUS SECTIONS BORDERING THE WINDWARD CHANNEL. HIGHEST WINDS ARE ESTIMATED ABOUT 75 MPH OVER SMALL AREA NEAR THE CENTER AND GALES EXTEND OUTWARD 75 MILES IN ALL QUADRANTS. THE STORM SHOULD REGAIN STRENGTH TODAY AND TONIGHT AS IT MOVES BETWEEN MAYAGUANA AND THE CAICOS ISLANDS INTO THE OPEN ATLANTIC. PRECAUTIONS SHOULD BE CONTINUED IN THE SOUTHEAST BAHAMAS AGAINST HIGH WINDS AND ABNORMALLY HIGH TIDES UNTIL THE STORM PASSES. SHIPPING IN THE PATH SHOULD EXERCISE CAUTION. CONTINUED MOVEMENT IN THE SAME DIRECTION AND AT ABOUT THE SAME SPEED IS INDICATED FOR THE NEXT 12 TO 18 HOURS.

MIAMI WEATHER BUREAU ADVISORY NUMBER 33 5 PM EST OCT 13 1954

HURRICANE HAZEL WAS CENTERED LATITUDE 22.4 NORTH LONGITUDE 73.5 WEST OR ABOUT MIDWAY BETWEEN THE ISLANDS OF MAYAGUANA AND CAICOS IN THE SOUTHEASTERN BAHAMAS AT 5 PM EST 2200Z. IT IS NOW MOVING IN A DIRECTION BETWEEN NORTH AND NORTH NORTHWEST AT ABOUT 9 MPH. THE HURRICANE HAS REGAINED STRENGTH AND THE AREA OF STRONG WINDS IS EXPANDING. AIRCRAFT THIS AFTERNOON ENCOUNTERED WINDS OF JUST UNDER 100 MPH IN THE NORTHEAST QUADRANT. GALES EXTEND 150 MILES NORTH AND EAST AND 100 MILES TO SOUTH AND WEST OF CENTER. MOVEMENT OF THIS COURSE WILL BRING THE HURRICANE CENTER A SHORT DISTANCE EAST OF SAN SALVADOR DURING TONIGHT. IMMEDIATE PRECAUTIONS SHOULD BE TAKEN IN THE EAST CENTRAL BAHAMAS FOR GALE TO POSSIBLE HURRICANE FORCE WINDS TONIGHT AND THURSDAY MORNING. CONTINUED MOVEMENT ON ABOUT THE SAME COURSE AND AT THE SAME SPEED IS INDICATED FOR THE NEXT 12 TO 18 HOURS.

MIAMI WEATHER BUREAU ADVISORY NUMBER 34 11 PM EST OCT 13 1954

HURRICANE HAZEL IS MOVING TOWARDS THE NORTH AT 8 MPH AND AT 11 PM EST 0400Z WAS CENTERED AT LATITUDE 23.1 NORTH LONGITUDE 73.5 WEST. THIS IS ABOUT 100 MILES SOUTHWEST OF SAN SALVADOR ISLAND AND 50 MILES NORTHWEST OF MAYAGUANA ISLAND IN THE EASTERN BAHAMAS. HIGHEST WINDS ARE ESTIMATED 110 MPH OVER A SMALL AREA NEAR THE CENTER. HURRICANE FORCE WINDS EXTEND 50 MILES TO NORTHEAST AND 30 MILES OTHER QUADRANTS WHILE GALES EXTEND 125 MILES TO NORTHEAST AND 80 MILES FROM CENTER IN OTHER QUADRANTS. WINDS WILL BE INCREASING ON SAN SALVADOR ISLAND WITH GALE TO HURRICANE FORCE WINDS LIKELY THERE LATER TONIGHT AND THURSDAY MORNING. ALL PRECAUTIONS AGAINST DESTRUCTIVE WINDS AND HIGH SEAS SHOULD BE CONTINUED IN THE EAST CENTRAL BAHAMAS UNTIL THE HURRICANE HAS PASSED. MOVEMENT IS EXPECTED TO CONTINUE TOWARDS THE NORTH AT ABOUT 8 MPH FOR THE NEXT 12 TO 18 HOURS.

MIAMI WEATHER BUREAU ADVISORY NUMBER 35 5 AM EST OCT 14 1954

HURRICANE HAZEL HAS ACCELERATED RAPIDLY AND IS MOVING TOWARDS THE NORTH NORTHWEST AT 17 MPH. IT WAS CENTERED AT 5 AM EST 1000Z AT 24.8 NORTH 74.3 WEST OR 50 MILES NORTH NORTHEAST OF SAN SALVADOR BAHAMAS. HIGHEST WINDS ARE ESTIMATED AT 115 MPH OVER A SMALL AREA NEAR THE CENTER. HURRICANE FORCE WINDS EXTEND OUT 70 MILES FROM THE CENTER TO THE NORTHEAST AND 30 MILES OTHER QUADRANTS. GALES EXTEND OUT 150 MILES FROM THE CENTER TO NORTHEAST AND 40 MILES IN OTHER QUADRANTS. THE HURRICANE IS EXPECTED TO CONTINUE MOVING TOWARDS THE NORTH NORTHWEST AT ABOUT THE SAME RATE FOR THE NEXT 12 HOURS. THIS COURSE WILL TAKE THE STORM NORTH OF THE NORTHERN BAHAMA ISLANDS BUT INTERESTS THERE SHOULD EXPECT STRONG TO GALE FORCE NORTH TO NORTHWEST WINDS AND VERY ROUGH SEAS TODAY. SHIPS IN THE PATH OF THE HURRICANE SHOULD EXERCISE CAUTION.

MIAMI WEATHER BUREAU ADVISORY NUMBER 36 11 AM EST OCT 14 1954

HOIST HURRICANE WARNINGS 11 AM EST ON THE NORTH CAROLINA CAPES AND NORTHEAST STORM WARNINGS ELSEWHERE FROM THE VIRGINIA CAPES TO CHARLESTON, S.C. HURRICANE HAZEL IS MOVING TOWARDS THE NORTH NORTHEAST AT ACCELERATING RATE OF 23 MPH AND AT 11 AM EST 1600Z WAS CENTERED AT LATITUDE 26.5 NORTH LONGITUDE 75.4 WEST OR ABOUT 300 MILES EAST OF PALM BEACH FLORIDA. HIGHEST WINDS ESTIMATED 130 MPH OVER SMALL AREA NEAR CENTER AND HURRICANE WINDS EXTEND OUT 80 MILES IN NORTHERN AND 40 MILES IN SOUTHERN SEMICIRCLE. GALES EXTEND ABOUT 175 MILES TO NORTH AND EAST AND 75 MILES TO SOUTH AND WEST. INDICATIONS ARE FOR CONTINUED ACCELERATION IN FORWARD MOVEMENT DURING THE NEXT 24 HOURS TO ABOUT 30 TO 35 MPH AND THIS INCREASE IN FORWARD SPEED WILL BRING THE CENTER NEAR CAPE HATTERAS N.C. LATE TONIGHT. WINDS WILL BE INCREASING DURING TODAY AND TONIGHT ON THE VIRGINIA AND CAROLINA COASTS AS THE CENTER APPROACHES. SMALL CRAFT FROM CENTRAL FLORIDA NORTHWARD SHOULD REMAIN IN PORT UNTIL THE HURRICANE PASSES. INTERESTS ON THE VIRGINIA COAST SHOULD REMAIN ON THE ALERT FOR POSSIBLE HURRICANE WARNINGS LATER TODAY.

MIAMI WEATHER BUREAU ADVISORY NUMBER 37 5 PM EST OCT 14 1954

HURRICANE HAZEL WAS CENTERED AT LATITUDE 28.4 NORTH LONGITUDE 76.2 WEST OR 260 MILES EAST OF MELBOURNE FLORIDA AT 5 PM EST 2200Z. IT IS MOVING TOWARDS THE NORTH NORTHWEST AT ABOUT 25 MPH. HIGHEST WINDS ESTIMATED 130 MPH OVER SMALL AREA NEAR CENTER AND GALES EXTEND 200 MILES TO NORTH AND EAST AND ABOUT 100 MILES TO SOUTH AND WEST. INDICATIONS ARE FOR CONTINUED ACCELERATION IN FORWARD SPEED DURING TONIGHT AS THE HURRICANE MOVES NORTHWARD AND THE CENTER SHOULD REACH EXTREME EASTERN NORTH CAROLINA EARLY FRIDAY MORNING. WINDS WILL GRADUALLY INCREASE AND SQUALLS BECOME MORE FREQUENT ALONG THE COAST AS THE HURRICANE APPROACHES. THIS IS A SEVERE HURRICANE AND ALL PRECAUTIONS SHOULD BE TAKEN IMMEDIATELY IN THE AREA OF WARNING DISPLAY FOR THE PROTECTION OF LIFE AND PROPERTY AGAINST DANGEROUS WINDS AND ABNORMALLY HIGH TIDES. TIDES WILL ALSO BE ABNORMALLY HIGH ELSEWHERE SOUTHWARD TO THE CENTRAL FLORIDA COAST. HURRICANE WARNINGS ARE DISPLAYED WILMINGTON, N.C. NORTHWARD ON THE NORTH CAROLINA CAPES AND STORM WARNINGS ELSEWHERE FROM CHARLESTON, S.C. TO BLOCK ISLAND.

MIAMI WEATHER BUREAU ADVISORY NUMBER 38 11 PM EST OCT 14 1954

HURRICANE HAZEL WAS CENTERED AT 11 PM EST 0400Z NEAR LATITUDE 30.1 NORTH LONGITUDE 77.5 WEST OR ABOUT 275 MILES SOUTH SOUTHEAST OF WILMINGTON, N.C. AND ABOUT 220 MILES EAST OF ST. AUGUSTINE FLORIDA. IT CONTINUES TOWARDS THE NORTH NORTHWEST AND IS NOW MOVING ABOUT 27 MPH. HIGHEST WINDS ARE ESTIMATED 130 MPH OVER A SMALL AREA NEAR THE CENTER. HURRICANE FORCE WINDS EXTEND 60 MILES NORTH AND EAST AND 40 MILES SOUTH AND WEST OF CENTER. GALES EXTEND 200 MILES NORTH AND EAST AND 100 MILES SOUTH AND WEST. THE FORWARD SPEED IS EXPECTED TO INCREASE TO NEAR 30 MPH AND THE CENTER SHOULD REACH THE NORTH CAROLINA COAST NOT FAR FROM WILMINGTON EARLY FRIDAY MORNING. WINDS WILL BE INCREASING AS THE HURRICANE APPROACHES AND WILL REACH DANGEROUS VELOCITIES SEVERAL HOURS AHEAD OF THE CENTER. THIS IS A SEVERE HURRICANE AND ALL POSSIBLE PRECAUTIONS SHOULD BE CONTINUED FOR THE PROTECTION OF LIFE AND PROPERTY AGAINST DANGEROUS WINDS AND ABNORMALLY HIGH TIDES. HURRICANE WARNINGS ARE DISPLAYED WILMINGTON, N.C. NORTHWARD ON THE NORTH CAROLINA CAPES AND STORM WARNINGS ELSEWHERE FROM CHARLESTON, S.C. TO BLOCK ISLAND. SMALL CRAFT DAYTONA BEACH NORTHWARD SHOULD REMAIN IN PORT.

MIAMI WEATHER BUREAU ADVISORY NUMBER 39 5 AM EST OCT 15 1954

HURRICANE HAZEL WAS CENTERED AT 5 AM EST 1000Z AT LATITUDE 32.0 NORTH LONGITUDE 78.3 WEST AND WAS MOVING TOWARDS THE NORTH NORTHWEST AT 27 MPH. THIS POSITION IS 170 MILES EAST OF SAVANNAH, GA. HIGHEST WINDS ARE ESTIMATED AT 130 MPH OVER A SMALL AREA NEAR THE CENTER. HURRICANE FORCE WINDS EXTEND OUT 80 MILES NORTH AND EAST AND 40 MILES SOUTH AND WEST OF CENTER. GALES EXTEND 200 MILES NORTH AND EAST AND 100 MILES SOUTH AND WEST. THE HURRICANE IS EXPECTED TO CONTINUE MOVING AT ABOUT THE SAME SPEED TOWARDS THE NORTH NORTHWEST OR NORTH FOR THE NEXT SIX HOURS AFTER WHICH THERE SHOULD BE A SLOW TURN TOWARDS THE NORTH AND FURTHER ACCELERATION IN FORWARD MOVEMENT. HURRICANE HAZEL SHOULD CROSS THE COAST LINE IN THE MYRTLE BEACH WILMINGTON AREA BEFORE NOON TODAY. WINDS ARE ALREADY INCREASING ALONG THE NORTH AND SOUTH CAROLINA COASTS AND SHOULD REACH HURRICANE FORCE IN THE MYRTLE BEACH WILMINGTON AREA WITHIN THE NEXT FOUR TO SIX HOURS. SINCE THE HURRICANE DID NOT TURN TOWARDS THE NORTHWEST CHARLESTON SHOULD NOT EXPECT MORE THAN GALE FORCE WINDS. THIS IS A SEVERE HURRICANE AND ALL POSSIBLE PRECAUTIONS SHOULD BE CONTINUED AGAINST DANGEROUS WINDS AND VERY HIGH TIDES ELSEWHERE IN THE AREA WHERE HURRICANE WARNINGS ARE DISPLAYED. HURRICANE WARNINGS ARE DISPLAYED FROM CHARLESTON, S.C. TO THE VIRGINIA CAPES AND STORM WARNINGS ELSEWHERE FROM SAVANNAH TO BLOCK ISLAND.

MIAMI WEATHER BUREAU ADVISORY NUMBER 40 11 AM EST OCT 15 1954

HURRICANE HAZEL MOVED INLAND A SHORT DISTANCE EAST OF MYRTLE BEACH, S.C. ABOUT 0915 EST. IT IS NOW MOVING TOWARDS THE NORTH NORTHWEST AT 27 MPH AND AT 11 AM EST 1600Z IT WAS CENTERED AT LATITUDE 34.3 NORTH LONGITUDE 78.8 WEST OR ABOUT 30 MILES WEST OF WILMINGTON, N.C. HIGHEST WINDS ESTIMATED ABOUT 100 MPH OVER SMALL AREA NEAR CENTER AND GALES EXTEND 250 MILES IN EASTERN AND 80 MILES IN WESTERN SEMICIRCLE. THE HURRICANE WILL SLOWLY LOSE FORCE AS IT PROGRESSES NORTHWARD ACROSS NORTH CAROLINA AND INTO THE NORTH ATLANTIC STATES HOWEVER GALE TO HURRICANE FORCE WINDS WILL CONTINUE FOR SOME TIME ESPECIALLY TO THE NORTH AND EAST OF THE CENTER. RAINS WILL BE HEAVY OVER ALL THE STATES IN ADVANCE OF THE HURRICANE. ALL PRECAUTIONS SHOULD BE CONTINUED AGAINST DANGEROUS WINDS AND ABNORMALLY HIGH TIDES ON THE NORTH CAROLINA COAST AND NORTHWARD UNTIL THE HURRICANE PASSES. WARNINGS WILL BE LOWERED SOUTH OF MATTERAS TO WILMINGTON AS THE WINDS SUBSIDE. HURRICANE WARNINGS ARE DISPLAYED WILMINGTON N.C. TO VIRGINIA CAPES AND STORM WARNINGS NORTH OF VIRGINIA CAPES TO EASTPORT MAINE.

WASHINGTON WEATHER BUREAU ADVISORY NUMBER 41 5 PM EST OCT 15 1954

AT 5 PM EST 2200Z HURRICANE HAZEL WAS LOCATED IN NORTH CENTRAL VIRGINIA ABOUT 60 MILES SOUTH SOUTHWEST OF WASHINGTON MOVING NORTHWARD AT AN ACCELERATED RATE OF 45 TO 50 MPH. THIS IS STILL A DANGEROUS STORM AND WIND GUSTS ARE NOW BEING REPORTED UP TO 100 MPH NEAR THE CENTER OF THE STORM AND UP TO 90 MPH WITHIN 100 MILES NORTH AND EAST OF THE CENTER. WINDS RANGING FROM 50 TO 75 MPH EXTEND OUTWARD AS FAR AS 300 MILES EAST AND NORTH OF THE CENTER AND 100 MILES SOUTH AND WEST. HURRICANE HAZEL IS EXPECTED TO CONTINUE NORTHWARD 45 TO 50 MPH MOVING THROUGH EASTERN PENNSYLVANIA AND INTO NEW YORK STATE BY MID-NIGHT TONIGHT. RAINS WILL BE HEAVY IN ALL STATES IN ADVANCE OF THE STORM AND ALL PRECAUTIONS SHOULD BE CONTINUED FOR ONSHORE GALES AND VERY HIGH TIDES ALONG THE COAST FROM VIRGINIA NORTHWARD. ALL PRECAUTIONS SHOULD ALSO BE TAKEN FOR DANGEROUSLY HIGH TIDES IN UPPER CHESAPEAKE BAY AND THE POTOMAC RIVER AREA. HURRICANE WARNINGS REMAIN DISPLAYED ON THE VIRGINIA CAPES AND STORM WARNINGS NORTH OF VIRGINIA CAPES TO EASTPORT MAINE.

WASHINGTON WEATHER BUREAU ADVISORY NUMBER 42 11 PM EST OCT 15 1954

AT 11 PM EST 0400Z HAZEL HAS BECOME AN EXTRATROPICAL CYCLONE AND IS LOCATED OVER CENTRAL LAKE ONTARIO MOVING NORTHWARD ABOUT 50 MPH. WINDS OF 50 TO 70 MPH EXTEND OUTWARD 300 MILES TO THE EAST AND NORTH AND 100 MILES TO THE SOUTHWEST OF THE STORM CENTER. HAZEL WILL MOVE ON INTO CANADA IN A DIRECTION BETWEEN NORTH AND NORTH NORTHEAST. RAINS OVER NEW ENGLAND AND NEW YORK STATE FROM THIS STORM ARE DIMINISHING BUT ABNORMALLY HIGH TIDES ARE BUILDING UP OVER THE COASTAL AREAS OF NEW ENGLAND. THEY SHOULD REACH THEIR PEAK WITHIN A FEW HOURS BUT PRECAUTIONS SHOULD CONTINUE UNTIL ABOUT DAYBREAK ALONG THE NEW ENGLAND COAST. STORM WARNINGS REMAIN DISPLAYED FROM BLOCK ISLAND TO EASTPORT MAINE BUT ALL WARNINGS SOUTH OF BLOCK ISLAND WILL BE LOWERED AT MID-NIGHT TONIGHT. THIS IS THE LAST ADVISORY THAT WILL BE ISSUED ON THIS STORM.

NEWS RELEASES ON PROGRESS OF HURRICANE "HAZEL" FOR PRESS AND RADIO IN NEW YORK CITY AND VICINITY, LONG ISLAND AND NORTHERN NEW JERSEY

OCTOBER 14 4 PM EST

HURRICANE HAZEL WAS MOVING NORTH NORTHWESTWARD AT AN AVERAGE SPEED OF ABOUT 25 MILES PER HOUR IN MID AFTERNOON WITH ITS CENTER STILL MORE THAN 400 MILES SOUTH OF CAPE MATTERAS NORTH CAROLINA. IT IS A SEVERE STORM AND IN ITS PRESENT POSITION AND MOVING IN ITS PRESENT PATH IS A DEFINITE THREAT TO THE NORTH ATLANTIC COAST. IT IS ESTIMATED THAT THE CENTER OF THE STORM WILL BE IN THE NEIGHBORHOOD OF CAPE MATTERAS NORTH CAROLINA BY FRIDAY MORNING AND MOVE RAPIDLY NORTHWARD. THEREFORE IT IS ADVISABLE FOR ALL PERSONS ALONG THE NORTH ATLANTIC COAST TO BE ON THE ALERT TO THE SERIOUS POSSIBILITIES OF THIS HURRICANE. KEEP IN STEP WITH ITS PROGRESS AS NEW ADVISORIES ARE ISSUED THIS EVENING, DURING TONIGHT AND EARLY FRIDAY AND TAKE PRELIMINARY STEPS THIS EVENING IF PROTECTION OF LIFE OR PROPERTY IS INVOLVED SO THAT FINAL ACTION CAN BE TAKEN EARLY FRIDAY IF THE HURRICANE CONTINUES TO MOVE TOWARD THIS AREA.

OCTOBER 14 8 PM EST

THE SEVERE HURRICANE HAZEL HAS BEEN MAKING ITS WAY NORTHNORTHWESTWARD SINCE 5 PM AND THE ACTUAL CENTER OF THE HURRICANE IS A LITTLE MORE THAN 300 MILES SOUTH OF CAPE MATTERAS NORTH CAROLINA. THE CENTER OF THE STORM IS GETTING CLOSER IN TOWARD THE SHORE AND IT IS QUITE PROBABLE THAT IT MAY BE ON LAND TO THE WEST OF CAPE MATTERAS BY 5 TO 6 AM TOMORROW MORNING. IT IS FROM THAT TIME ON WHICH WILL BE OF GREATEST CONCERN TO OUR OWN PARTICULAR AREA AND GALE FORCE WINDS FROM THE SOUTHWEST WILL DEVELOP, REACH THE PEAK AROUND THE MIDDLE PART OF THE DAY, SAY BETWEEN 10 AM AND 2 PM. THESE SOUTHWEST WINDS WILL THEN CONTINUE AT GALE FORCE LEVELS 40 TO 60 MPH UNTIL LATE AFTERNOON AND THEY WILL PRODUCE VERY HIGH TIDES AT ALL AREAS ALONG THE COAST FROM MID MORNING UNTIL EVENING AS WELL AS HEAVY RAIN. THIS IS A SEVERE STORM AND DESERVES ALL CAUTIONARY ACTIONS TO BE TAKEN TO PROTECT LIFE AND PROPERTY.

OCTOBER 15 2 AM EST

THE NEW YORK CITY AREA WILL BE IN FOR A ROUGH DAY TODAY AS HURRICANE HAZEL MAKES ITS WAY NORTHWARD. GALE FORCE WINDS 40 TO 60 MILES PER HOUR WILL BEGIN AROUND MID MORNING AND WILL CONTINUE ALL AFTERNOON INTO THIS EVENING WITH RAIN, WHICH WILL VERY PROBABLY BE HEAVY THIS AFTERNOON, AND EXCEPTIONALLY HIGH TIDES. PRECAUTIONS ARE ADVISED FOR THE ENTIRE DAY. THE HURRICANE IS CENTERED ABOUT 200 MILES SOUTH OF THE CAROLINA COAST AND IS CONTINUING TO MOVE IN A NORTHNORTHWEST DIRECTION AT A SPEED OF 25 TO 30 MPH. IT IS EXPECTED TO MOVE INLAND OVER THE NORTH CAROLINA COAST THIS MORNING AND THEN PROGRESS UP THROUGH EASTERN VIRGINIA AND INTO EASTERN PENNSYLVANIA BY THIS AFTERNOON AND INTO EASTERN NEW YORK BY TONIGHT.

OCTOBER 15 5 AM EST

THE HURRICANE IS MOVING SLIGHTLY MORE TO THE NORTHWEST THAN WAS THE CASE EARLIER AND NOW IS MOVING TOWARD THE SOUTH CAROLINA COAST AND IT IS EXPECTED TO CROSS THE COAST AROUND 7-8 AM THIS MORNING AND THEN CONTINUE MOVING NORTHWARD. THIS CHANGE IS NOT TOO IMPORTANT AS FAR AS OUR WEATHER IS CONCERNED EXCEPT THAT THE GALE WINDS WILL BE A LITTLE LATER IN SETTING IN; BUT GALE WINDS ARE STILL TO BE EXPECTED ALL AFTERNOON WITH HIGH TIDES AND RAIN. ALL PRECAUTIONS SHOULD BE CONTINUED.

OCTOBER 15 7 AM EST

SOUTHWEST WINDS WILL INCREASE SLOWLY THIS MORNING AND MORE SO THIS AFTERNOON TO BECOME GALE FORCE 40 TO 60 MILES PER HOUR AND THESE GALE WINDS WILL CONTINUE INTO TONIGHT AS HURRICANE HAZEL MAKES HER WAY FROM OFF THE CAROLINA COAST WHERE SHE IS CURMING UP THE SEAS AT THE PRESENT TIME INTO NORTH CAROLINA AND VIRGINIA BY THIS AFTERNOON AND ON TO EASTERN PENNSYLVANIA BY TONIGHT. IT WILL BE ABNORMALLY HIGH WITH THE HIGHEST WATER VERY LIKELY OCCURRING WITH THE EVENING HIGH TIDE PERIOD RATHER THAN THAT OF THIS MORNING. HEAVY RAIN WILL ALSO DEVELOP DURING THE AFTERNOON AND CONTINUE INTO TONIGHT. ALL POSSIBLE PRECAUTIONS SHOULD BE CONTINUED AGAINST THE GALE WINDS AND HIGH TIDES EXPECTED DURING THIS AFTERNOON AND TONIGHT.

OCTOBER 15 9 AM EST

HURRICANE HAZEL HAS PICKED UP SOME IN ITS FORWARD SPEED AS WELL AS SHOWING SOME SIGNS OF SWINGING A LITTLE MORE TOWARD THE NORTH AND IT IS JUST OFF THE CAROLINA COAST BETWEEN SOUTH AND NORTH CAROLINA. THE CHANGE TO THE NORTH AND THE INCREASE IN SPEED IS KEEPING WITH THE PREVIOUS ANTICIPATED PROGRESS AND IT SHOULD CONTINUE OR THROUGH EASTERN NORTH CAROLINA THIS MORNING, MOVE THROUGH EASTERN VIRGINIA THIS AFTERNOON AND INTO EASTERN PENNSYLVANIA BY TONIGHT. SOUTHWEST WINDS WILL INCREASE SLOWLY THIS MORNING AND MORE DEFINITELY THIS AFTERNOON TO BECOME GALE FORCE 40 TO 60 MILES PER HOUR WHICH WILL CONTINUE INTO TONIGHT. RAIN WILL BECOME HEAVY THIS AFTERNOON AND TIDES WILL BE ABNORMALLY HIGH THIS EVENING. THIS IS STILL A STORM TO BE LEERY ABOUT AND ALL PRECAUTIONS SHOULD BE CONTINUED FOR THE GALE WINDS, HEAVY RAIN AND HIGH TIDES THIS AFTERNOON AND TONIGHT.

OCTOBER 15 10:30 AM EST

HURRICANE HAZEL HAS MOVED INLAND ALONG THE CAROLINA COAST AND IT HAS KICKED UP WINDS WITH GUSTS TO 76 MILES PER HOUR AT SOME OF THE WEATHER REPORTING STATIONS DOWN THAT WAY. THIS INDICATES THAT THIS IS A STORM STILL TO BE RECKONED WITH AND IT WILL CAUSE GENERALLY INCREASING WINDS IN THE METROPOLITAN AREA TO REACH GALE FORCE, 40 TO 60 MILES PER HOUR THIS AFTERNOON AND THESE GALE WINDS WILL CONTINUE WELL INTO TONIGHT BLOWING FROM THE SOUTHEAST. WINDS ARE REACHING 30 MILES PER HOUR NOW AT THE BATTERY AND SOME LIGHT RAIN HAS BEGUN TO FALL AND THE PRESSURE IS BEGINNING TO FALL SHARPLY; ALL OF WHICH SHOW SIGNS THAT THE INFLUENCE OF HURRICANE HAZEL EXTENDS FAR OUT TO THE NORTH AND EAST OF ITS ACTUAL CENTER. RAINS WILL BECOME HEAVY THIS AFTERNOON AND TONIGHT AND TIDES WILL BE ABNORMALLY HIGH AT THE HIGH TIME PERIOD THIS EVENING. IT IS NECESSARY THAT ALL PRECAUTIONS BE CONTINUED FOR THE GALE WINDS, HEAVY RAIN AND HIGH TIDES EXPECTED THIS AFTERNOON AND TONIGHT.

OCTOBER 15 1 PM EST

HURRICANE HAZEL IS KICKING UP HER HEELS IN RUNNING NORTHWARD THROUGH NORTH CAROLINA THIS AFTERNOON AND AT THE PRESENT TIME THE CENTER IS ABOUT 50 MILES SOUTHEAST OF RALEIGH AND SHE IS MAKING FORWARD PROGRESS AT ABOUT 30 MILES PER HOUR. GALE FORCE WINDS HAVE SPRUNG UP AS MUCH AS 300 MILES TO THE NORTH-EAST OF THE CENTER AND HERE AT THE BATTERY WINDS WITH GUSTS AVERAGING BETWEEN 40 AND 60 MILES PER HOUR. TIDES WILL BE HIGHER TONIGHT THAN THEY WERE THIS MORNING AND RAINS WILL BECOME HEAVY LATER THIS AFTERNOON AND TONIGHT. THE HURRICANE CENTER WILL CONTINUE TO MOVE RATHER RAPIDLY TOWARDS THE NORTH AND REACH NORTHERN VIRGINIA BY THIS EVENING AND MOVING INTO PENNSYLVANIA TONIGHT.

OCTOBER 15 3 PM EST

HURRICANE HAZEL IS CAUSING GALE FORCE WINDS FROM NEW YORK CITY TO NORTH CAROLINA AS SHE MOVES NORTHWARD AT A RATE OF 30 MILES PER HOUR OR SLIGHTLY MORE AND SOME GUSTS OF AS MUCH AS 90 MILES PER HOUR HAVE BEEN REPORTED FROM RALEIGH NORTH CAROLINA, SO IT STILL IS MAINTAINING ITS DAMAGING POWER. THIS RATE OF MOVEMENT WILL PLACE THE CENTER JUST TO THE WEST OF WASHINGTON DC EARLY THIS EVENING AND INTO EASTERN PENNSYLVANIA ON A LINE WEST OF NEW YORK CITY AROUND MIDNIGHT. GALE FORCE WINDS WILL CONTINUE IN THE METROPOLITAN AREA WITH NUMEROUS GUSTS OF 50 TO 60 MILES PER HOUR FROM NOW UNTIL MIDNIGHT. TIDES WILL BE EXCEPTIONALLY HIGH THIS EVENING AND TONIGHT AND RAINS WILL BECOME HEAVY; AS A NOTE OF INTEREST ALONG THIS LINE, OVER FOUR INCHES FELL DURING A 6-HOUR PERIOD UP TO 1:30 PM THIS AFTERNOON IN NORTH CAROLINA. PRECAUTIONS SHOULD BE CONTINUED IN VIEW OF THE GALE WINDS, VERY HIGH TIDES AND HEAVY RAINS EXPECTED DURING THE BALANCE OF THE AFTERNOON AND TONIGHT. GUSTS AS HIGH AS 58 MILES PER HOUR HAVE BEEN REPORTED AT THE BATTERY.

OCTOBER 15 6 PM EST

HURRICANE HAZEL IS PRACTICALLY GALLOPING NORTHWARD WITH A FORWARD SPEED ABOUT 50 MILES PER HOUR AT THE PRESENT TIME AND IT IS PASSING JUST TO THE WEST OF WASHINGTON DC. IT IS STILL A DANGEROUS STORM AND GUSTS ARE BEING REPORTED UP TO 100 MILES PER HOUR NEAR THE CENTER OF THE STORM AND WINDS RANGING FROM 50 TO 75 MILES PER HOUR ARE OCCURRING OUTWARD AS MUCH AS 300 MILES FROM THE CENTER TOWARD THE EAST AND NORTHEAST. AT THE BATTERY IN NEW YORK CITY THERE HAVE BEEN NUMEROUS GUSTS OF 60 MILES PER HOUR AND A FEW BETWEEN 70 AND 80 MILES PER HOUR. THESE GALE FORCE WINDS FROM THE SOUTHEAST WITH FREQUENT GUSTS UP TO 60 MILES PER HOUR AND SOME AS HIGH AS 70 TO 80 MILES PER HOUR WILL CONTINUE THIS EVENING PRACTICALLY UP TO MIDNIGHT AS THE CENTER OF THE HURRICANE ITSELF PASSES AS MUCH AS 80 TO 100 MILES TO THE WEST OF NEW YORK CITY. THIS SHOULD NOT BE TAKEN AS A LESSENING INFLUENCE AS FAR AS THE WEATHER IN THE METROPOLITAN AREA IS CONCERNED SINCE THE WORST WEATHER WITH STRONGEST WINDS OCCUR TO THE EAST AND NORTHEAST OF A HURRICANE CENTER AS IT MOVES NORTHWARD. VERY HIGH TIDES WILL OCCUR TONIGHT ALSO ALL ALONG THE COAST AND SOME RAIN IS EXPECTED DURING THE NIGHT. ALL PRECAUTIONS SHOULD BE CONTINUED UNTIL TOWARD MORNING FOR THE GALE WINDS AND HIGH TIDES.

OCTOBER 15 9 PM EST (FINAL)

HURRICANE HAZEL PRACTICALLY JUMPED INTO CENTRAL PENNSYLVANIA DURING THE LAST HOUR AND THE PROCESS KICKED UP HURRICANE FORCE WINDS HERE AT THE BATTERY, AS NUMEROUS GUSTS WERE RECORDED BETWEEN 70 AND 80 MILES PER HOUR BETWEEN 7:30 AND 7:50 PM AND ONE GUST WAS OBSERVED AT 100 MILES PER HOUR AT 7:49 PM. THE HURRICANE CENTER SHOWS SIGNS NOW OF MOVING OFF INTO THE WESTERN END OF NEW YORK STATE AND WHILE THE GALE WINDS WILL CONTINUE HERE IN THE METROPOLITAN AREA FOR ANOTHER HOUR OR SO, IT CAN DEFINITELY BE SAID THAT THE WORST IS OVER AND FROM NOW ON IT WILL BE A TAPERING OFF PROCESS WITH THE WIND CHANGING FROM SOUTHEASTERLY TO WESTERLY. IT IS VERY PROBABLE THAT WINDS WILL DROP OFF TO 30 MILES PER HOUR BY MIDNIGHT. THE RAIN HAS ENDED HERE AT THE BATTERY AND IT IS NOT LIKELY THAT ANY MORE RAIN OF CONSEQUENCE WILL FALL DURING THE REMAINDER OF THE NIGHT.

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COASTAL WATERS STORM WARNING DISPLAY ADVISORIES FROM CAPE HATTERAS, N.C. TO EASTPORT, MAINE.

WEATHER BUREAU WASHINGTON NATIONAL AIRPORT 11:15 AM OCT 14 1954

HOIST HURRICANE WARNING SOUTH OF VIRGINIA CAPES TO HATTERAS AND NORTHEAST STORM WARNINGS VIRGINIA CAPES 11:30 AM EST IN CONNECTION WITH APPROACH OF HURRICANE HAZEL. INCREASING EAST AND NORTHEAST WINDS THIS AFTERNOON AND TONIGHT WITH HURRICANE HAZEL PROBABLY REACHING NORTH CAROLINA COAST BETWEEN FOUR AND SEVEN AM FRIDAY.

WEATHER BUREAU WASHINGTON NATIONAL AIRPORT 4:50 PM EST OCT 14 1954

HOIST SOUTHEAST STORM WARNINGS 5 PM FROM VIRGINIA CAPES TO BLOCK ISLAND AND ON CHESAPEAKE AND DELAWARE BAYS FOR INCREASING EASTERLY WINDS DURING THE NIGHT REACHING GALE FORCE PROBABLY FROM THE SOUTHEAST FRIDAY MORNING WITH HEAVY SEAS AND ABNORMALLY HIGH TIDES FRIDAY AND FRIDAY EVENING IN CONNECTION WITH HURRICANE HAZEL. ALL PRECAUTIONS SHOULD BE TAKEN AGAINST HIGH TIDES AND HEAVY SEAS ALONG THE COAST LINE.

WEATHER BUREAU AIRPORT STATION BOSTON MASS 11:00 PM EST OCT 14 1954

HOIST SOUTHEAST STORM WARNINGS AT MIDNIGHT FROM EASTPORT TO BLOCK ISLAND. INCREASING SOUTHEAST WINDS FRIDAY BECOMING 25 TO 35 MPH BY AFTERNOON AND REACHING GALE FORCE OR HIGHER OVER SOUTH PORTION FRIDAY EVENING AND OVER NORTH PORTION FRIDAY NIGHT. WINDS SHIFTING TO WESTERLY OVER SOUTH PORTION LATE FRIDAY NIGHT AND OVER NORTH PORTION EARLY SATURDAY.

WEATHER BUREAU WASHINGTON NATIONAL AIRPORT 4:30 PM EST OCT 15 1954

CONTINUE SOUTHEAST STORM WARNINGS 5 PM SOUTH OF BLOCK ISLAND TO VIRGINIA CAPES INCLUDING DELAWARE AND CHESAPEAKE BAYS. SOUTHEASTERLY GALES 40 TO 60 MPH WITH GUSTS OVER 75 MPH SHIFTING TO STRONG NORTHWEST EARLY TONIGHT DELAWARE BREAKWATER SOUTHWARD AND LATE TONIGHT NORTH OF DELAWARE BREAKWATER TO BLOCK ISLAND. RAIN WITH VERY HIGH TIDES AND POOR VISIBILITY UNTIL HURRICANE HAZEL PASSES. HURRICANE IN CENTRAL VIRGINIA AT 5 PM MOVING RAPIDLY NORTHWARD TOWARD PENNSYLVANIA AND NEW YORK STATE.

WEATHER BUREAU WASHINGTON NATIONAL AIRPORT 7:18 PM EST OCT 15 1954

LOWER ALL WARNINGS SOUTH OF DELAWARE BREAKWATER TO CAPE HATTERAS INCLUDING CHESAPEAKE BAY AT 7:30 PM TODAY.

WEATHER BUREAU WASHINGTON NATIONAL AIRPORT 11:20 PM EST OCT 15 1954

LOWER ALL WARNINGS SOUTH OF BLOCK ISLAND TO DELAWARE BREAKWATER INCLUDING DELAWARE BAY AT MIDNIGHT TONIGHT.

WEATHER BUREAU AIRPORT STATION BOSTON MASS 11:00 PM EST OCT 15 1954

CONTINUE SOUTHEAST STORM WARNINGS AT MIDNIGHT. SOUTHEAST TO SOUTH WINDS 40 TO 50 MPH WITH GUSTS TO 60 MPH TONIGHT AND SATURDAY MORNING BECOMING SOUTHWEST TO WEST 35 TO 45 MPH OVER SOUTH PORTION BY AFTERNOON AND OVER NORTH PORTION BY LATE SATURDAY. DIMINISHING WESTERLY WINDS SATURDAY NIGHT. STORM WARNINGS DISPLAYED FROM EASTPORT TO BLOCK ISLAND.

LOCATION: CAA MILLVILLE, N.J.

Table with columns: Date and Time, Average Hourly Wind Vel., Wind Gust, Wind Direction, Hourly Precipitation. Data from 15 15 to 11 pm 18.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 18 Time 12:18
Peak Gust 88 Time 7:28 pm

LOCATION: WRO ATLANTIC CITY, N.J.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data from 15 15 to 11 pm 18.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 66 Time 18:17E
Peak Gust 88 Time 7:28 pm

LOCATION: NAVAL AIR STATION ATLANTIC CITY, N.J.

Table with columns: Date and Time, Average Hourly Wind Vel., WIND GUST, Wind Direction, Hourly Precipitation. Data from 15 15 to 11 pm 18.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 67 Time 14:55E
Peak Gust 87 Time 14:55E

LOCATION: WBAS PHILADELPHIA, PA.

Table with columns: Date and Time, Average Hourly Wind Vel., WIND GUST, Wind Direction, Hourly Precipitation. Data from 15 15 to 11 pm 18.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 66 Time 8:00SE
Peak Gust 84 Time 19:36, 19:38, 19:41E

LOCATION: WRO PHILADELPHIA, PA.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data from 15 15 to 11 pm 17.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 75 Time 19:54E
Peak Gust 88 Time 7:28 pm

LOCATION: READING, PA.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data from 15 15 to 11 pm 14.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 78 Time 19:00E
Peak Gust 85 Time 17:45E

LOCATION: WBAS HARRISBURGH, PA.

Table with columns: Date and Time, Average Hourly Wind Vel., WIND GUST, Wind Direction, Hourly Precipitation. Data from 15 15 to 11 pm 15.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 50 Time 14:52E
Peak Gust 80 Time 18:42E

LOCATION: ALTOONA, PA.

Table with columns: Date and Time, Average Hourly Wind Vel., WIND GUST, Wind Direction, Hourly Precipitation. Data from 15 15 to 11 pm 20.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 61 Time 13:30E
Peak Gust 81 Time 13:30E

LOCATION: WBAS PITTSBURGH, PA.

Table with columns: Date and Time, Average Hourly Wind Vel., WIND GUST, Wind Direction, Hourly Precipitation. Data from 15 15 to 11 pm 18.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 40 Time 16:04E
Peak Gust 48 Time 14:32E

LOCATION: ERIE, PA.

Table with columns: Date and Time, Average Hourly Wind Vel., WIND GUST, Wind Direction, Hourly Precipitation. Data from 15 15 to 11 pm 18.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 50 Time 10:28E
Peak Gust 50 Time 10:28E

LOCATION: BROOKVILLE, PA.

Table with columns: Date and Time, Average Hourly Wind Vel., WIND GUST, Wind Direction, Hourly Precipitation. Data from 15 15 to 11 pm 18.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 44 Time 17:25E
Peak Gust 44 Time 17:25E

LOCATION: PHILLIPSBURG, PA. CAA (INSAC)

Table with columns: Date and Time, Average Hourly Wind Vel., WIND GUST, Wind Direction, Hourly Precipitation. Data from 15 15 to 11 pm 14.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 57 Time 7:25 pm
Peak Gust 57 Time 7:25 pm

LOCATION: WRAS WILLIAMSBURG, PA.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, 6-Hourly Precipitation. Data from 1 am to 11 pm.

Wind data from hourly observation
Fastest Mile of Wind 75 Time 2007EST

LOCATION: WRD TRENTON, N.J.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, 6-Hourly Precipitation. Data from 1 am to 11 pm.

Wind data from hourly observation
Fastest Mile of Wind 57 Time 8:48 pm

LOCATION: TAPPANWOOD, N.J.

Table with columns: Date and Time, Average Hourly Wind Vel., WIND GUST, Wind Direction, Hourly Precipitation. Data from 1 am to 11 pm.

Wind data from hourly observation
Fastest Mile of Wind 72 Time 11:11

LOCATION: SCRANTON, PA.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data from 1 am to 11 pm.

Wind data from hourly observation
Fastest Mile of Wind 45 Time 2010EST

LOCATION: MCCUIRY AIR FORCE BASE TRENTON, N.J.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, 6-Hourly Precipitation. Data from 1 am to 11 pm.

Wind data from hourly observation
Fastest Mile of Wind 40 Time 6:31 pm

LOCATION: Barnegat Lifeboat Station, J. J.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data from 1 am to 11 pm.

Wind data from hourly observation
Fastest Mile of Wind 63 Time 2055EST

LOCATION: WILKESBARRE-SCRANTON ARPT PENNSYLVANIA

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, 6-Hourly Precipitation. Data from 1 am to 11 pm.

Wind data from hourly observation
Fastest Mile of Wind 88 Time 10:58A

LOCATION: NJ POWER & LIGHT CO. DOVER, N.J.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, 6-Hourly Precipitation. Data from 1 am to 11 pm.

Wind data from hourly observation
Fastest Mile of Wind 40 Time 6:31 pm

LOCATION: WRAS NEWARK, N.J.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data from 1 am to 11 pm.

Wind data from hourly observation
Fastest Mile of Wind 76 Time 1030EST

LOCATION: WRAS ALLENTOWN, PA.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data from 1 am to 11 pm.

Wind data from hourly observation
Fastest Mile of Wind 82 Time 2001EST

LOCATION: U.S.N.A.S. LAKEVIEWEST, N.J.

Table with columns: Date and Time, Average Hourly Wind Vel., WIND GUST, Wind Direction, Hourly Precipitation. Data from 1 am to 11 pm.

Wind data from hourly observation
Fastest Mile of Wind 75 Time 1030E

LOCATION: Teterboro Airport, J. J.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data from 1 am to 11 pm.

Wind data from hourly observation
Fastest Mile of Wind 92 Time 1030EST

Location: WOR Tower, Bergen County, N.J

Table with columns: Time, Wind Speed, Time, Wind Speed. Data points from 2:00 pm to 7:00 pm.

LOCATION: CENTRAL PARK, N.Y.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data points from 1 am to mid. 19.

LOCATION: LAUREL HILL, N.Y.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data points from 1 am to mid. 17.

U.S.N.A.S. FLOYD BENNETT FIELD BROOKLYN, N.Y.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data points from 1 am to 11 pm.

LOCATION: WBAS LA GUARDIA FIELD, NY

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data points from 1 am to mid. 22.

N.Y. INTERNATIONAL AIRPORT IDLEWIDE, JAMAICA, N.Y.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data points from 1 am to mid. 26.

LOCATION: Mitchell Air Force Base

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data points from 1 am to mid. 22.

Brookhaven National Laboratory Upton, L.I.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data points from 1 am to mid. 11.

Fastest Mile of Wind 66 Time 7:38 pm & Peak Gust 79 Time 7:38 pm & 8:02 pm &

WIND DATA FOR HOURLY OBSERVATIONS Fastest Mile of Wind 65 Time 1950E Peak Gust 65 Time 1950E

Fastest Mile of Wind 61 Time 1711, 1859, 1933EST Peak Gust 61

Fastest Mile of Wind 48 Time 1817EST Peak Gust 48 Time 1817EST

LOCATION: SUFFOLK CO. AFB, N.Y.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data points from 1 am to mid. 15.

LOCATION: Hampton Bays, Long Island, NY

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data points from 1 am to mid. 30.

LOCATION: WBAS, BLOCK ISLAND, RI

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data points from 1 am to mid. 11.

LOCATION: WBAS PROVIDENCE, R.I.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data points from 1 am to mid. 36.

WIND DATA FOR HOURLY OBSERVATIONS Fastest Mile of Wind Time Peak Gust Time

Wind data from hourly observation Fastest Mile of Wind 55 Time 2235 EST Peak Gust 55 Time 2235 EST

Fastest Mile of Wind 45 Time 11:40 pm Peak Gust 55 Time 11:59 pm

Wind data from hourly observation Fastest Mile of Wind Time Peak Gust Time 55 Time 2136EST

LOCATION: HARTFORD, CONN (BRADLEY FIELD)

Table with columns: Date and Time, Average Hourly Wind Vel., Wind Gust, Wind Direction, Hourly Precipitation. Data from 1 am to 11 pm.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 44, Time 8:52 pm
Peak Gust 65, Time 8:55 pm & 9:25 pm

LOCATION: WBAS, NEW HAVEN, CONN

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data from 1 am to 11 pm.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 57, Time 9:05 pm
Peak Gust 57, Time 9:05 pm

LOCATION: WBO, BRIDGEPORT, CONN

Table with columns: Date and Time, Average Hourly Wind Vel., Wind Gust, Wind Direction, Hourly Precipitation. Data from 1 am to 11 pm.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 40, Time 8:28 pm
Peak Gust 60, Time 8:28 pm

LOCATION: Westchester County Airport, N.Y

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data from 1 am to 11 pm.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 70, Time 1:40 (approx) EST

LOCATION: STEWART AFB, NEWBURGH, N.Y.

Table with columns: Date and Time, Average Hourly Wind Vel., Wind Gust, Wind Direction, Hourly Precipitation. Data from 1 am to 11 pm.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 67, Time 1:06
Peak Gust 67, Time 1:06

LOCATION: INSAC, CAA, Poughkeepsie, N.Y.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data from 1 am to 11 pm.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 54, Time 2:02 EST
Peak Gust 54, Time 2:02 EST

LOCATION: WRAJ ALBANY, N.Y.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data from 1 am to 11 pm.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 42, Time 2:12
Peak Gust 69, Time 2:05

LOCATION: WBAS HUNTINGTON, N.Y.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data from 1 am to 11 pm.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 79, Time 2:04
Peak Gust 94, Time 2:04

LOCATION: ELMIRA, NY CAA (INSAC)

Table with columns: Date and Time, Average Hourly Wind Vel., Wind Gust, Wind Direction, Hourly Precipitation. Data from 1 am to 11 pm.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 79, Time 8:02 pm
Peak Gust 79, Time 8:02 pm

LOCATION: UTICA, NY CAA (INSAC)

Table with columns: Date and Time, Average Hourly Wind Vel., Wind Gust, Wind Direction, Hourly Precipitation. Data from 1 am to 11 pm.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 76, Time 8:12
Peak Gust 76, Time 8:12

LOCATION: CANTON, N.Y.

Table with columns: Date and Time, Average Hourly Wind Vel., Fastest Mile of Wind, Wind Direction, Hourly Precipitation. Data from 1 am to 11 pm.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 63, Time 8:52
Peak Gust 75, Time 2:53

LOCATION: WBAS BUFFALO, NY

Table with columns: Date and Time, Average Hourly Wind Vel., Wind Gust, Wind Direction, Hourly Precipitation. Data from 1 am to 11 pm.

WIND DATA FOR HOURLY OBSERVATIONS
Fastest Mile of Wind 83, Time 11:38 pm
Peak Gust 73, Time 11:23 pm

## BEAUFORT SCALE OF WIND FORCE

Beaufort number	Specifications for use on land	Miles per hour (statute)	Terms used in U. S. Weather Bureau forecasts
0.....	Calm; smoke rises vertically .....	Less than 1 1-3	} Light.
1.....	Direction of wind shown by smoke drift, but not by wind vanes.		
2.....	Wind felt on face; leaves rustle; ordinary vane moved by wind.	4-7	} Gentle.
3.....	Leaves and small twigs in constant motion; wind extends light flag.	8-12	
4.....	Raises dust and loose paper; small branches are moved...	13-18	} Moderate.
5.....	Small trees in leaf begin to sway; crested wavelets form on inland waters.	19-24	
6.....	Large branches in motion; whistling heard in telegraph wires; umbrellas used with difficulty.	25-31	} Strong.
7.....	Whole trees in motion; inconvenience felt in walking against wind.	32-38	
8.....	Breaks twigs off trees; generally impedes progress .....	39-46	} Gale.
9.....	Slight structural damage occurs (chimney pots and slate removed).	47-54	
10.....	Seldom experienced inland; trees uprooted; considerable structural damage occurs.	55-63	} Whole gale.
11.....	Very rarely experienced; accompanied by widespread damage.	64-75	
12.....	.....	Above 75	Hurricane.