*HURRICANE INEZ SEPTEMBER 21ST-OCTOBER 11T H (FRELIMINARY REPORT)

INEZ ORIGINATED AS A POSSIBLE WEAK TROPICAL DEPRESSION MOVING OFF THE WEST COAST OF AFRICA ON THE MORNING OF SEPTEMBER 18TH. GENESIS WAS DETERMINED ON THE BASIS OF SPARSE LAND AND SHIP REPORTS AND AN ESSA 2 SATELLITE PHOTOGRAPH. FOR THE NEXT THREE DAYS THE ASSOCIATED CLOUD MASS WAS TRACKED WEST-SOUTHWESTWARD WITH THE AID OF SATELLITE PICTURES UNTIL THE MORNING OF THE 21ST AT WHICH TIME THE CLOUD MASS WAS CENTERED NEAR 10N 35W BY AN ESSA 2 PHOTOGRAPH. ON THE BASIS OF THIS PHOTOGRAPH REFERENCE WAS MADE IN THE TROPICAL OUTLOOK, ISSUED DAILY BY THE NATIONAL HURRICANE CENTER DURING THE HURRICANE SEASON, TO A STRONG TROPICAL DEPRESSION. NO SATELLITE OR SHIP INFORMATION WAS RECEIVED DURING THE NEXT 48 HOURS BUT ON THE MORNING OF THE 23RD ESSA 2 AND THE NIMBUS SATELLITE SHOWED THAT THE DEFRESSION HAD MOVED WEST-NORTHWESTWARD TO APPROXIMATELY 13N 45W. A RECONNAISSANCE AIRCRAFT WAS ABLE TO REACH THE AREA ON THE MORNING OF THE 21TH AND FOUND THAT ONLY SLIGHT INTENSIFICATION HAD TAKEN PLACE DURING THE PAST SIX DAYS. BY AFTERNOON, HOWEVER, SIGNIFICANT INTENSIFICATION APPEARED UNDERWAY AND THE FIRST ADVISORY ON TROPICAL STORM INEZ, LOCATED ABOUT 800 MILES EAST OF MARTINIQUE IN THE FRENCH WEST INDIES, WAS ISSUED BY THE SAN JUAN WEATHER BUREAU OFFICE.

AFTER REACHING TROPICAL STORM INTENSITY INEZ TOOK A MORE WESTERLY
COURSE AT A SOMEWHAT SLOWER FORWARD SPEED AND CONTINUED TO INTENSIFY UNTIL
THE MORNING OF THE 26TH WHEN HURRICANE INTENSITY WAS ATTAINED ABOUT 330
MILES EAST OF GUADELOUPE IN THE FRENCH WEST INDIES. INEZ CONTINUED ON A
WEST TO WEST-NORTHWEST COURSE WHILE INTENSIFYING RAPIDLY. ONLY SLIGHT

*FORTIONS OF THIS REPORT ARE TAKEN FROM THE NEW ORLEANS AND SAN JUAN FRELIMINARY REPORTS.

INTENSIFICATION OF THE TROPICAL DEFRESSION OCCURRED AS IT MOVED WEST—SOUTHWESTWARD. RATHER RAPID INTENSIFICATION OCCURRED AFTER TURNING WEST—NORTHWESTWARD ON THE SOUTHWESTERN PERIPHERY OF THE SUB-TROPICAL HIGH PRESSURE RETHIS IS IN GOOD ACREEMENT WITH CLIMATOLOGY AND STUDIES BY MILLER (1) AND OTHERS ON INTENSIFICATION.

THE CENTER OF THE HURRICANE MOVED ALMOST DIRECTLY OVER GUADELOUPE

DURING THE EARLY AFTERNOON OF THE 27TH WITH THE ISLAND REPORTING WINDS OF

80 MPH BEFORE COMMUNICATIONS FAILED. RECONNAISSANCE AIRCRAFT DURING THE

MORNING, HOWEVER, HAD REPORTED A CENTRAL PRESSURE OF 961 MB OR 28.38 INCHES

AND MAXIMUM WINDS OF 120 MPH. INEZ WAS A SMALL STORM AT THIS TIME WITH

HUFRICANE FORCE WINDS EXTENDING OUTWARD ONLY 50 MILES FROM THE CENTER. THE

CENTRAL PRESSURE INCREASED TO 970 MB OR 28.64 INCHES AFTER THE HURRICANE

HAD PASSED OVER THE GUADELOUPE ISLANDS WHERE THE CONTACT OF THE CIRCULATION

WITH THE OCEAN SURFACE WAS PARTIALLY LOST.

AS THE CENTER MOVED WESTWARD INTO THE EASTERN CARIBBEAN SEA, INEZ
RESUMED INTENSIFICATION AND BY LATE AFTERNOON ON THE 28TH REACHED THE
MINIMUM OBSERVED SEA LEVEL PRESSURE OF 927 MB OR 27.38 INCHES. MAXIMUM
SURFACE WINDS WERE ESTIMATED TO BE 150 MPH TO 175 MPH NEAR THE CENTER.
ESSA RESEARCH FLIGHT FACILITY AIRCRAFT MEASURED WINDS OF 192 MPH AT 8,000
FEET, THE HIGHEST SPEED EVER RECORDED BY THE RESEARCH AIRCRAFT. AT THIS
TIME THE CENTER WAS LOCATED ABOUT 160 MILES SOUTHWEST OF SAN JUAN, PUERTO
RICO AND 170 MILES SOUTHEAST OF SANTO DOMINGO, DOMINICAN REPUBLIC MOVING
WEST ABOUT 16 MPH. THE GREAT DANGER TO THE BARAHONA PENINSULA OF THE DOMINICAN
REPUBLIC AND TO SOUTHERN HAITI WAS EMPHASIZED IN THE HURRICANE ADVISORIES.

THE HURRICANE WAS UNDER CONTINUOUS SURVEILLANCE BY LAND BASED RADAR IN PUERTO RICO WITH THE EYE VISIBLE FOR 23 HOURS FROM 9:45 PM AST ON THE 27TH TO 8:45 PM AST ON THE 28TH. THIS WAS MENTIONED FREQUENTLY IN ADVISORIES AND BULLETINS IN ORDER TO RELIEVE UNEASINESS ABOUT ANY SUDDEN CHANGE IN COURSE OF THIS SMALL BUT SEVERE HURRICANE.

INEZ STRUCK THE BARAHONA PENINSULA OF THE DOMINICAN REPUBLIC SHORTLY BEFORE NOON AST ON THE 29TH AND CONTINUED WEST-NORTHWESTWARD ACROSS THE SOUTHWESTERN PENINSULA OF HAITI BETWEEN 2 PM AST AND 4 PM AST. THE EYE ENTERED AT A POINT EAST OF JACMEL ON THE SOUTH COAST OF HAITI AND EMERGED NEAR LEOGANE ON THE NORTH COAST. RECONNAISSANCE AIRCRAFT FOUND A CENTRAL PRESSURE OF 987 MB OR 29.15 INCHES JUST WEST OF PORT AU PRINCE, HAITI ON THE EVENING OF THE 29TH. THIS WAS A RISE OF 60 MB OR 1.80 INCHES FROM THE VALUE REPORTED JUST BEFORE THE EYE STRUCK THE BARAHONA PENINSULA.

AFTER LEAVING HAITI, INEZ CONTINUED NORTHWEST TOWARD EASTERN CUBA AND STRUCK GUANTANAMO CITY, A SHORT DISTANCE WEST OF GUANTANAMO BAY, ON THE MORNING OF THE 30TH. WINDS OF 138 MPH WERE REPORTED AS THE CENTER MOVED ASHORE. THEREFORE, RATHER RAPID REINTENSIFICATION MUST HAVE TAKEN PLACE OVER THE WINDWARD PASSAGE.

FORECASTING THE FUTURE PATH OF THE HURRICANE BECAME A REAL CHALLENGE
AS INEZ MOVED OVER CUBA. THE HURRICANE WAS INFLUENCED BY THE TERRAIN OF
THE ISLAND AS WELL AS THE SYNOPTIC STEERING CURRENTS. IT APPEARED THAT
INEZ WOULD RECURVE NORTHWESTWARD OVER EASTERN CUBA THEN CONTINUE NORTHWARD
EAST OF THE UNITED STATES MAINLAND BY BREAKING THROUGH A WEAKNESS IN A
HIGH PRESSURE RIDGE ALOFT TO THE NORTH OF THE STORM. THE CENTER OF THE

STORM BECAME DISORGANIZED OVER THE RUGGED TERRAIN, HOWEVER, AND THE WEAK STEERING CURRENTS WERE NOT SUFFICIENT TO ALLOW THE EYE TO CROSS CUBA. INSTEAD, IT REORGANIZED ALONG THE SOUTH COAST AND MOVED SLOWLY WEST-NORTHWESTWARD FOR ABOUT 36 HOURS ENTERING CENTRAL CUBA JUST ABOUT DUE SOUTH OF MIAMI. A SLOW NORTHWARD MOVEMENT OF ABOUT 5 MPH BROUGHT THE CENTER ACROSS CENTRAL CUBA WHERE IT BRIEFLY LOST HURRICANE FORCE. SLOW INTENSIFICATION OCCURRED AS INEX MOVED NORTH-NORTHEASTWARD INTO THE WESTERN BAHAMAS ON THE NIGHT OF OCTOBER 2ND AND MORNING OF THE 3RD. A SMALL TORNADO OCCURRED IN NASSAU, BAHAMAS ON THE 2ND KILLING A FIFTEEN MONTH OLD CHILD. THIS WAS THE ONLY TORNADO REPORTED DURING INEZ. THE HIGHEST WIND REPORTED THUS FAR IN THE BAHAMAS WAS A GUST TO 80 MPH AT CARTER CAY JUST NORTH OF GRAND BAHAMA. NASSAU HAD A PEAK GUST OF 60 MPH AND RECORDED OVER FIFTEEN INCHES OF RAIN IN THE THREE DAY PERIOD OCTOBER 1-3. ALTHOUGH NASSAU DID NOT RECEIVE HURRICANE FORCE WINDS AS A PART OF THE STRONG WINDS NEAR THE CENTER OF INEZ, AN ANEMOMETER IN THE VICINITY OF THE TORNADO SHOWED A RAPID INCREASE TO 100 MPH IN 10-15 SECONDS AS THE TORNADO APPROACHED.

AT THIS TIME THE LOCATION OF THE CENTER OF INEZ WAS IN CLOSE

PROXIMITY TO THE ORIGINALLY ANTICIPATED FORECAST POSITION AFTER

RECURVATURE. THE DELAY OF APPROXIMATELY 24 HOURS CAUSED BY THE EYE

RE-ORGANIZING ALONG THE SOUTH COAST OF CUBA HAD ALLOWED THE WEAK

PRESSURE RIDGE TO THE NORTH TO BUILD. THIS CAME ABOUT BY THE EXTENSION

NORTHEASTWARD OF THE WARM UPPER LEVEL ANTICYCLONE IN THE WESTERN GULF OF

MEXICO. A SOMEWHAT SIMILAR OCCURRENCE IN 1965 RESULTED IN THE UNUSUAL

PATH TAKEN BY HURRICANE BETSY ALTHOUGH IN THIS CASE THE RIDGE WAS

INITIALLY OVER THE NORTHERN GULF OF MEXICO STATES AND MOVED EAST-NORTHEAST

RATHER THAN JUST BUILDING NORTHEASTWARD. FOR A DISCUSSION OF BETSY REFERENCE IS MADE TO THE SUMMARY FOR THE 1965 HURRICANE SEASON (2).

IT IS INTERESTING AT THIS POINT TO COMPARE INEZ WITH HURRICANE CLEO
OF 1964. AS INDICATED IN FIG. 1, THE PATHS OF THE TWO HURRICANES, BOTH
OF WHICH WERE SMALL INTENSE STORMS PRIOR TO STRIKING CUBA, ARE VERY
SIMILAR UNTIL THEY LEAVE THE NORTH COAST OF CUBA. CLEO MOVED GENERALLY
NORTHWARD AT AN ACCELERATED RATE AND INTENSIFIED RAPIDLY JUST PRIOR TO
STRIKING MIAMI. A DISCUSSION OF CLEO CAN BE FOUND IN THE SUMMARY FOR THE
1964 HURRICANE SEASON (3). INEZ ON THE OTHER HAND INTENSIFIED VERY SLOWLY
AS IT MOVED NORTH-NORTHEASTWARD AND MAINTAINED A RATHER LARGE DIFFUSE EYE
OF 30-40 MILES. LACK OF INTENSIFICATION IN SPITE OF FAIRLY FAVORABLE LOW
LEVEL CONDITIONS APPEARS TO BE TIED IN TO THE WEAK UPPER LEVEL TROUGH IN
WHICH INEZ WAS SITUATED WITH LITTLE OUTFLOW AT HIGH LEVELS. THIS WAS
BORNE OUT IN PART AT THIS TIME BY SATELLITE PICTURES WHICH INDICATED LITTLE
CIRRUS OUTFLOW.

IATE ON THE 3RD OF OCTOBER A TREND TOWARDS THE WEST-SOUTHWEST WAS INDICATED BY RADAR AND AIRCRAFT RECONNAISSANCE AND THIS WAS FAIRLY WELL ESTABLISHED DURING THE EARLY MORNING HOURS OF THE LTH. ONCE THIS COURSE WAS ESTABLISHED IT WAS MAINTAINED WITH ONLY MINOR FLUCTUATIONS UNTIL LATE ON THE 7TH. DURING THIS TIME THE STRONG UPPER LEVEL ANTICYCLONE OVER THE WESTERN GULF OF MEXICO REMAINED NEARLY STATIONARY AND INEZ MOVED AROUND THE SOUTHEASTERN PERIPHERY GRADUALLY ENCOUNTERING MORE FAVORABLE UPPER AIR CONDITIONS FOR HIGH LEVEL OUTFLOW.

THE EYE OF INEZ MOVED RIGHT OVER ALL OF THE KEYS FROM KEY LARGO TO KEY WEST WITH THE EYE PASSAGE OVER KEY WEST THE FIRST OCCURRENCE IN 47 YEARS. THE NAVY WEATHER OFFICE THERE WAS ABLE TO OBTAIN A RATHER RARE HURRICANE EYE SOUNDING WHICH IS SHOWN IN FIG. 2. THE HIGHEST WIND REPORTED ON THE FLORIDA MAINLAND WAS A GUST TO 80 MPH AT HOMESTEAD AIR FORCE BASE. ALL OF THE KEYS REPORTED WINDS OF HURRICANE FORCE RANGING UP TO 100-125 MPH IN GUSTS. SEE TABLE 1 FOR METEOROLOGICAL DATA FOR A FEW SELECTED STATIONS. INEZ CONTINUED WEST-METEROLOGICAL DATA FOR A FEW SELECTED STATIONS. INEZ CONTINUED WEST-METEROLOGICAL DATA FOR DRY TORTUGAS AND BRUSHED THE NORTHERN COAST OF YUCATAN, MEXICO WITH HURRICANE CONDITIONS ON OCTOBER 7TH.

AT THIS POINT INEZ ONCE AGAIN TRIED TO RECURVE INTO A WEAKNESS IN THE HIGH PRESSURE RIDGE OVER THE WESTERN GULF OF MEXICO. THE HURRICANE ALSO REACHED ITS MAXIMUM INTENSITY IN THE GULF AT THIS TIME WITH A PRESSURE OF 948 MB OR 28.00 INCHES REPORTED BY RECONNAISSANCE AIRCRAFT AT COZ ON THE 9TH. THE WEAKENING OF THE RIDGE PERMITTED INEZ TO DRIFT ON A NORTHWESTWARD COURSE ON THE 9TH. THIS INCREASED THE THREAT TO THE TEXAS COAST FOR ABOUT 24 HOURS. RISING SURFACE PRESSURES TO THE NORTH IN TEXAS BEGINNING LATE ON THE 9TH FINALLY FORCED INEZ WEST-SOUTHWESTWARD INTO MEXICO JUST NORTH OF TAMPICO ON THE MORNING OF THE 10TH. NUMEROUS STORMS IN THE PAST HAVE VEERED SOUTHWEST WHEN VERY CLOSE TO THE MEXICAN COAST, PROBABLY RELATED IN SOME WAY TO THE MOUNTAINOUS TERRAIN, AND THIS TYPE OF MOTION POSSIBLY AUGMENTED THAT INDUCED BY STEERING FORCES.

TAMPICO REPORTED GUSTS TO 126 MPH BEFORE COMMUNICATIONS WERE LOST AS THE CENTER WAS MOVING INLAND. TORRENTIAL RAINS LATER CAUSED WIDESPREAD FLOODS IN THE AREA.

SUMMARY. THE 65 ADVISORIES ON INEZ WERE THE MOST EVER ISSUED FOR A HURRICANE AND THE TOTAL OF 151 BULLETINS PLUS ADVISORIES ALSO EXCEEDED ANY PREVIOUS ADVICES ON A HURRICANE. IN ADDITION LOCAL STATEMENTS WERE MADE BY VARIOUS WEATHER BUREAU OFFICES WHEN INEZ WAS IN CLOSE PROXIMITY TO LAND AREAS.

EXCEPT FOR A BRIEF PERIOD WHILE CROSSING CUBA, INEZ WAS OF HURRICANE FORCE FOR 11 DAYS, A DURATION WHICH HAS BEEN EXCEEDED BY SEVERAL HURRICANES IN PAST YEARS (4).

INEZ WAS UNDER ALMOST CONSTANT SURVEILLANCE BY SATELLITES, RECONNAISSANCE AIRCRAFT AND OR LAND BASED RADAR AFTER NEARING THE ANTILLES. WARNINGS OF HURRICANE CONDITIONS WERE ISSUED AT LEAST 24 HOURS IN ADVANCE FOR ALL AREAS EXCEPT THE SOUTHEAST FLORIDA COAST WHERE THE ERRATIC MOVEMENT AND MINIMAL HURRICANE FORCE WINDS PRECLUDED SUCH ADVANCE NOTICE. OTHER HURRICANES SUCH AS GINNY IN 1963 AND GRACIE IN 1959 PRESENTED SERIOUS FORECASTING PROBLEMS FOR THE UNITED STATES MAINLAND AS A RESULT OF LOOPS AND SLOW MOVEMENT. INEZ, HOWEVER, PROBABLY BECAME NEARLY STATIONARY CLOSER TO THE UNITED STATES MAINLAND THAN ANY OTHER STORM ALTHOUGH THE HURRICANE OF SEPTEMBER 1929 TOOK THREE DAYS TO MOVE SLOWLY WEST-SOUTHWESTWARD THROUGH THE WESTERN BAHAMAS AND FLORIDA STRAITS (4).

THE UNUSUAL PATH OF INEZ MADE HER THE FIRST SINGLE STORM OF RECORD TO AFFECT THE WEST INDIES, THE BAHAMAS, FLORIDA AND MEXICO. SHE WAS ALSO THE FIRST STORM OF RECORD SO LATE IN THE SEASON TO CROSS THE ENTIRE GULF OF MEXICO WITHOUT RECURVATURE.

ESTIMATED TOTAL DEATHS ARE APPROXIMATELY 1000, BUT THE ACTUAL TOIL.

IS QUITE UNCERTAIN DUE TO POOR COMMUNICATIONS IN HISPANIOLA AND MEXICO.

DAMAGE TO CROPS AND PROPERTY WAS RELATIVELY SMALL COMPARED TO OTHER

HURRICANES WHICH HAVE STRUCK SO MANY LAND AREAS, PROBABLY BECAUSE OF THE SMALL SIZE OF THE STORM AND LATENESS OF THE SEASON. CROP DAMAGE IN COUNTRIES SUCH AS CUBA, HAITI, DOMINICAN REPUBLIC AND MEXICO AND THE ISLAND OF GUADELOUPE IS ALWAYS OF SEVERE ECONOMIC IMPACT. TABLE 2 GIVES THE LATEST ESTIMATES OF DEATHS, INJURIES AND DAMAGE ATTRIBUTABLE TO INEX.

THE MINIMUM CENTRAL PRESSURE OF 927 MB OR 27.38 INCHES, MAXIMUM ESTIMATED WINDS OF 150-175 MPH AND LARGE NUMBER OF DEATHS, APPROXIMATELY 1000, CLASSIFY INEZ AS A GREAT HURRICANE. AS INDICATED ABOVE, THE PATH WILL HAVE TO BE CONSIDERED SOMEWHAT UNUSUAL AT THE VERY LEAST.

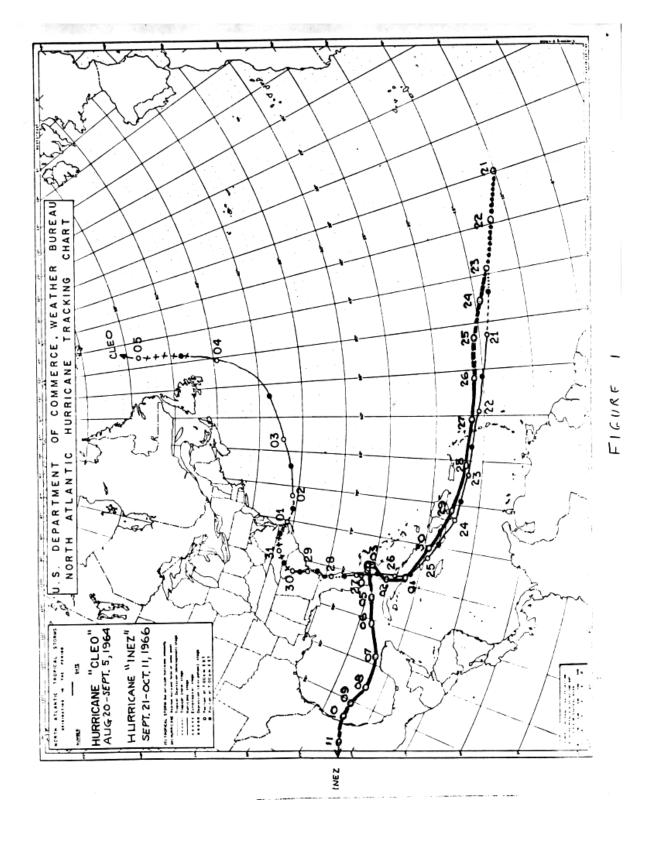


TABLE 2

DEATHS, INJURIES AND DAMAGE FROM HURRICANE INEZ 1966

	DEATHS	INJURIES	DAMAGE (DOLLARS)
MEXICO DOMINICAN REPUBLIC GUADELOUFE HAITI CUBA BAHAMAS FLORIDA LOUISIANA TEXAS PUERTO RICO MARINE	65 74-100 27 750(b) 5 3 11(c) 45(d)	250 450(a) 600 1000 30 11 	100,000,000 12,000,000 50,000,000 10,000,000 20,000,000 15,500,000 5,000,000 MINOR MINOR
TOTALS:	1011-985		212,500,000

(a) SERIOUSLY INJURED

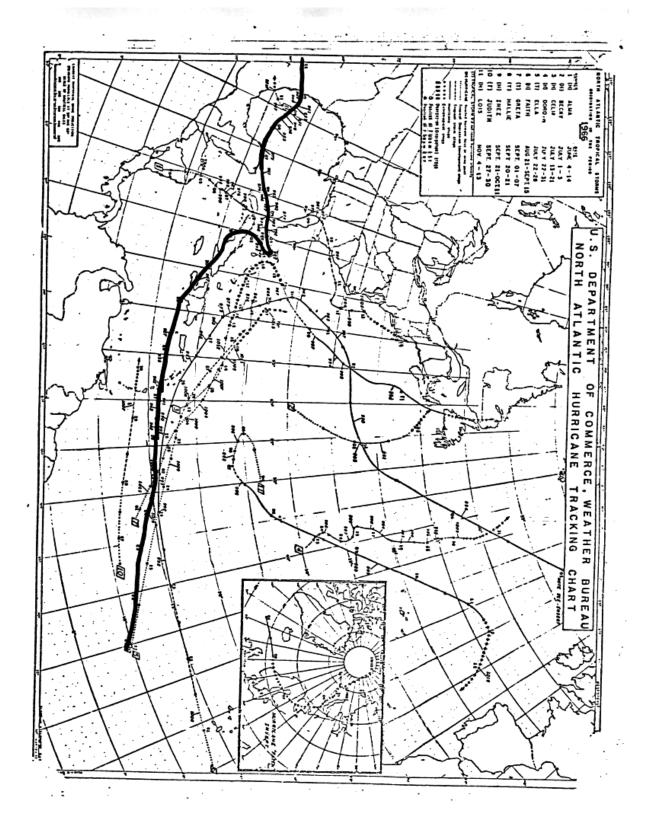
(b) AVERAGE OF RATHER WIDELY VARYING ESTIMATES

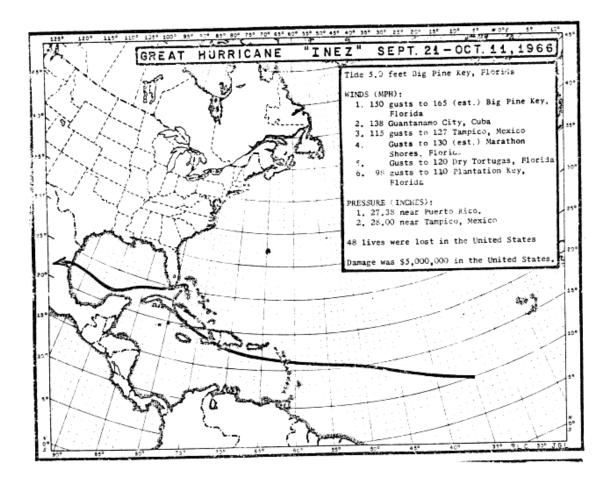
(c) HELICOPTER CRASH EVACUATING OIL RIG

(d) CUBAN REFUGEES CROSSING FLORIDA STRAITS

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- 2.SUGG, ARNOLD L., MONTHLY WEATHER REVIEW, THE HURRICANE SEASON OF 1965, MARCH 1966.
- 3. DUNN, GORDON E AND STAFF, MONTHLY WEATHER REVIEW, THE HURRICANE SEASON OF 1964, MARCH 1965.
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The insert map on figure 1 indicates an extension of the track i into the Arctic Ocean. The entire track of Faith represents one of the longest, if not the longest, hurricane track of record.

Highest winds in Faith, while in the southwestern North Atlantic, were estimated at 120 m.p.h. The lowest pressure recorded during the hurricane's life history was 950 mb. (28.05 in.). The center of the hurricane passed within 25 mi. of St. Maarten, Leeward Islands. There were gale force winds in the northern islands of the Leewards, the Virgin Islands, and along the northern coast of Puerto Rico, but there was only minor damage reported.

Prior to reaching Scandinavia, Faith passed over the Faeroe Islands. There was no known loss of life on the Islands or in Scandinavia and only minor damage was reported, similar to the usual autumn storms.

One crewman lost his life when high seas battered the Alberto Benati in the western Atlantic, one person was missing and assumed drowned while abandoning a Norwegian ferryboat off the coast of Denmark, and two men were lost attempting to cross the Atlantic in a rowboat.

TROPICAL STORM GRETA, SEPTEMBER 1-7.-The circulation which developed into Greta was first indicated by the weather report from the SS San Marcial and a cloud mass photographed by the Nimbus 2 satellite some 600 mi. east of Barbados on September 1. Air Force reconnaissance aircraft investigated the area the same day and found a circulation and an area of showers but no strong winds. The depression remained weak with maximum winds of about 35 m.p,h. as it moved northwestward during the next two days. Moderate intensification occurred on September 4 and Navy reconnaissance aircraft reports indicated maximum surface winds of 58 m.p.h. and a central pressure of 1004 mb. (29.65 in.), the lowest reported during the life of the storm. However, by the next day, the trend had reversed and reconnaissance aircraft reported that Greta was very poorly organized. Highest reported surface winds were only about 35 m.p.h. in a few squalls. The system became even weaker as it continued northwestward to a point some 300 mi. northeast of the central Bahamas on September 7 and then turned northward. The cloud area associated with the dying surface circulation remained identifiable in satellite photographs through September 8 when it merged with a prefrontal cloud mass between the United States east coast and Bermuda.

The intensity changes in Greta presented difficult forecasting problems. The storm acquired a warm core and wall cloud in a climatologically favored area for hurricane development, yet failed to progress beyond the storm stage. On September 4, when the most active intensification occurred, the center had moved out from beneath an upper-tropospheric trough and under the southern portion of an upper-level anticyclone, a favorable factor for intensification from an empirical standpoint.

In addition, at this point, a trough extending southward from hurricane Faith to the area north of Greta had receded, allowing the surface ridge to build and providing another favorable indication. However, the deepening failed to persist, and within 24 hours after reaching its maximum intensity, the system had weakened to a minor depression. A dropsonde at 0530 gmr, September 6, showed that the temperature in the center of the storm from the surface to above the 800-mb. level was about 2° C. higher than the average for a weak hurricane and there was no front or source of cool or dry air in the vicinity. A possible clue to the weakening is the fact that the current in which the vortex was embedded was basically divergent. Surface wind reports indicated that there was no low-level inflow. Outflow apparently prevailed in the area of the depression during this period. It is interesting that both Celia and Ella lost tropical storm intensity in the same general area in July.

Tropical Storm Greta did not affect any land area and resulted in no casualties or property losses.

TROPICAL STORM HALLIE, SEPTEMBER 20-21.—A tropical depression located just to the south of a weakening stationary front in the extreme southwestern Gulf of Mexico developed into tropical storm Hallie on September 20. On the previous two days, ESSA 2 satellite photographs indicated a large disorganized cloud mass in the southwestern Gulf merging into a frontal cloud band extending to the northeast. Early on the 20th, shower activity along the Mexican coast from Tampico southward increased as a cut-off surface Low developed off the coast. At about the same time, satellite pictures revealed that the cloud pattern in the area was becoming dissociated from that of the front and showed evidence of a developing circulation.

On the afternoon of the 20th, Navy reconnaissance reported that the central pressure had fallen to 997 mb. (29.44 in.) and that winds were 50 m.p.h.

After remaining nearly stationary during this intensifying process, Hallie commenced a southwestward drift during the night. The Mexican coastal town of Nautla experienced gusts to 40 m.p.h. with heavy rain during the early morning hours and the pressure fell to 1002.4 mb. (29.60 in.) at 1300 GMT September 21.

As the storm entered the coast, relatively cool, dry air was introduced, and this, together with the frictional effect of the coastal hills, caused the storm to weaken rapidly. By 1600 GMT the pressure at Nautla had risen to 1010.5 mb. (29.84 in.) and the wind and rain had subsided. Although the satellite photograph at 1522 GMT showed fairly good organization of the clouds, a reconnaissance flight could find little evidence of circulation.

There were no reports of damage or loss of life from the

HURRICANE INEZ, SEPTEMBER 21-OCTOBER 11.—Inez originated as a weak tropical depression moving off the west coast of Africa on the morning of September 18. Genesis was determined on the basis of sparse land and ship reports and an ESSA 2 satellite photograph.

Based upon communication with Dr. Olov Lönnqvist of the Swedish Meteorological Service.

at three days the associated cloud mass was tracked onthwestward with the aid of satellite pictures until orning of the 21st at which time the cloud mass was ed near 10° N., 35° W. No satellite or ship informavas received during the next 48 hours but on the ng of the 23d ESSA 2 and the Nimbus satellite es showed that the depression had moved westwestward to approximately 13° N., 45° W. A missance aircraft was able to reach the area on the ng of the 24th and found that only slight intensificated taken place during the six days. By afternoon, cant intensification appeared underway and the dvisory on tropical storm Inez, located about 800 ast of Martinique in the French West Indies, was

er reaching tropical storm in tensity Inez took a more ally course at a somewhat slower forward speed and used to intensify until the morning of the 26th when ane intensity was attained about 330 mi. east of sloupe in the French West Indies. Inez continued to the west-northwestward course while intensifying y. This rather rapid intensification that occurred nez turned west-northwestward on the southwestern tery of the subtropical high pressure ridge is in good ment with climatology and studies by Miller [7] there on intensification.

center of the hurricane moved almost directly over loupe during the early afternoon of the 27th; winds m.p.h. were reported on the island before communisfailed. Reconnaissance aircraft during the mornowever, had reported a central pressure of 961 mb. in.) and maximum winds of 120 m.p.h. Inez was ll storm at this time with hurricane force winds ing outward only 50 mi. from the center. The I pressure increased to 970 mb. (28.64 in.) after the me had passed over the Guadeloupe Islands where stact between the circulation and the ocean surface rtially lost.

he center moved westward into the eastern Caribca, Inez resumed intensification and by late afterin the 28th reached its lowest observed sea level re of 927 mb. (27.38 in.). Maximum surface were estimated to be 150 to 175 m.p.h. near the

ESSA Research Flight Facility aircraft measinds of 197 m.p.h. at 8,000 ft., the highest speed corded by the research aircraft. At this time the was located about 160 mi. southwest of San Juan, Rico and 170 mi. southeast of Santo Domingo, ican Republic moving west about 16 m.p.h. The anger to the Barahona Peninsula of the Dominican lic and to southern Haiti was emphasized in the ne advisories.

hurricane was under continuous surveillance by sed radar in Puerto Rico, with the eye visible for from 9:45 a.m. ast on the 27th to 8:45 a.m. ast 28th. This was mentioned frequently in advisories lletins in order to relieve uneasiness about any change in course of this small but severe hurricane.

Inez struck the Barahona Peninsula of the Dominican Republic shortly before noon ast on the 29th and continued west-northwestward across the southwestern peninsula of Haiti between 2 p.m. and 4 p.m. ast. The eye entered at a point east of Jacmel on the southern coast of Haiti and emerged near Leogane on the northern coast. Reconnaissance aircraft found a central pressure of 987 mb. (29.15 in.) just west of Port au Prince, Haiti on the evening of the 29th. This was a rise of 60 mb. or 1.80 in. from the value reported just before the eye struck the Barahona Peninsula.

After leaving Haiti, Inez continued northwestward toward eastern Cuba and struck Guantananio City, a short distance west of Guantanamo Bay, on the morning of the 30th. Winds of 138 m.p.h. were reported as the center moved ashore. Therefore, rather rapid reintensification must have taken place over the Windward Passage.

Forecasting the future path of the hurricane became a real challenge as Inez moved over Cuba. The hurricane was influenced by the terrain of the island as well as by the synoptic steering currents. It appeared that Inez would recurve northwestward over eastern Cuba and then continue northward east of the United States mainland by breaking through a weakness in a high pressure ridge aloft to the north of the storm. center of the storm became disorganized over the rugged terrain, however, and the weak steering currents were not sufficient to allow the eye to cross Cuba. Instead, it reorganized along the southern coast and moved slowly west-northwestward for about 36 hours, entering central Cuba just about due south of Miami. A slow northward movement of about 5 m.p.h. brought the center across central Cuba where it briefly lost hurricane force. Slow intensification occurred as Inez moved north-northeastward into the western Bahamas on the night of October 2 and morning of the 3d. A small tornado occurred in Nassau, Bahamas, on the 2d killing a 15-month-old child. This was the only tornado reported during Inez. Nassau had a peak gust of 64 m.p.h. and recorded nearly 15 in. of rain in the three-day period October 2-4, Although Nassau did not receive hurricane force winds as a part of the strong winds near the center of Inez, an anemometer in the vicinity of the tornado showed a rapid increase to over 100 m.p.h. in 10-15 sec. as the tornado approached. The highest wind reported in the Bahamas was 90 m.p.h. at West End, Grand Bahama.

At this time the location of the center of Inez was in close proximity to the position originally anticipated and forecast for it after recurvature. The delay of approximately 24 hours caused by the reorganization of the eye along the southern coast of Cuba had allowed the weak pressure ridge to the north to build. This came about by the extension northeastward of the warm upper-level anticyclone in the western Gulf of Mexico. A somewhat similar occurrence in 1965 resulted in the unusual path taken by hurricane Betsy although in that case the ridge was initially over the northern Gulf of Mexico and moved

east-northeastward rather than just building northeast-ward.

It is interesting at this point to compare Inez with hurricane Cleo of 1964. The paths of the two hurricanes, both of which were small intense storms prior to striking Cuba, were very similar until they left the northern coast of Cuba. Cleo moved generally northward at an accelerated rate and intensified rapidly just prior to striking Miami. Inez, on the other hand, intensified very slowly as it moved north-northeastward and maintained a rather large diffuse eye of 30-40 mi. diameter. Lack of intensification in spite of fairly favorable low-level conditions appears to be tied-in to the weak upper-level trough in which Inez was situated with little outflow at high levels. This was borne out in part at this time by satellite pictures which indicated little cirrus outflow.

Late on October 3, a trend toward the west-southwest was indicated by radar and aircraft reconnaissance and this was fairly well established during the early morning hours of the 4th. Once this course was established it was maintained with only minor fluctuations until late on the 7th. During this time the strong upper-level anticyclone over the western Gulf of Mexico remained nearly stationary and Inez moved around its southeastern periphery gradually encountering more favorable upper-air conditions for high-level outflow.

The eye of Inez moved directly over all of the Keys from Key Largo to Key West and the U.S. Navy Weather Office at Boca Chica was able to obtain a rather rare hurricane eye sounding which is shown in figure 2. The highest wind reported on the Florida mainland was a gust to 92 m.p.h. at Flamingo. All of the Keys reported winds of hurricane force. See table 4 for other meteorological data.

Inez continued west-southwestward just south of Dry Tortugas and brushed the northern coast of Yucatan, Mexico, with hurricane conditions on October 7. At this point Inez once again began to recurve into a weakness in the high pressure ridge over the western Gulf of Mexico. The hurricane also reached its maximum intensity in the Gulf of Mexico at this time with a pressure of 948 mb. (28.00 in.) reported by reconnaissance aircraft at 0000 GMT on the 9th. The weakening of the ridge permitted Inez to drift on a northwestward course on the 9th and this increased the threat to the Texas coast for about 24 hours. Rising surface pressures to the north in Texas beginning late on the 9th finally forced Inez west-southwestward into Mexico just north of Tampico on the morning of the 10th. Numerous storms in the past have veered to the southwest when very close to the Mexican coast. This is probably related in some way to the mountainous terrain, and this type of motion possibly augments that induced by steering forces. Tampico reported gusts to 127 m.p.h. before communications were lost as the center was moving inland. Torrential rains later caused widespread floods in the area.

Inez was under almost constant surveillance by satellites, U.S. Navy, Air Force, and ESSA reconnaissance

aircraft, and/or land-based radar after it neared Antilles. Warnings of hurricane conditions were issuat least 24 hours in advance for all areas except southeastern Florida coast where the erratic movement and minimal hurricane force winds precluded such vance notice. Other hurricanes such as Ginny in 12 and Gracie in 1959 presented serious forecasting proble for the United States mainland as a result of loops allow movement. Inex probably became nearly station closer to the United States mainland than any or storm, although the hurricane of September 1929 to three days to move slowly west-southwestward through the western Bahamas and Florida Straits.

Estimated total deaths are approximately 1,0 Damage to crops and property was relatively sometimes of the structure of the st

The minimum central pressure of 927 mb. (27.38 i and maximum estimated winds of 150-175 m.p.h. class Inez as a great hurricane and it has been added to list prepared by Kraft [6]. As indicated above, the parallel will have to be considered somewhat unusual at the valent.

TROPICAL STORM JUDITH, SEPTEMBER 30.—This was a minimal storm. Ship reports and sat lite photographs on the 26th and 27th of September ga some indications of circulation in the south-cent North Atlantic. On the 28th the ESSA 2 photogra showed an area of cloudiness larger than that associawith hurricane Inez, but with only slight indications circulation. The following day reconnaissance aircr reported the central pressure as 1007 mb. (29.74 in.) a the maximum flight-level wind speed 50 m.p.h. Jud was centered a short distance north of Barbados and v apparently decreasing in intensity at that time. Af passing through the island chain Judith was no longer storm intensity. It continued to weaken and was dov graded to easterly wave status on the 30th. It is intere ing to note that during the period of decreasing intensi Judith was under the area of expanding outflow fr hurricane Inez.

The strongest surface winds reported in the island circularing the passage of Judith were 37 m.p.h. at Martinia and 40 m.p.h. on a ship near the west coast of Martinia Galante.

KENDRA, OCTOBER.—The name Kendra v given to a low pressure system in the extreme east. Atlantic. Post analysis indicates that Kendra was no tropical storm.

HURRICANE LOIS, NOVEMBER 4-13.—Lois fi revealed itself as a small cloud vortex on the ESSA satellite photograph on the morning of November Weather charts showed a low pressure area in the regextending from the surface up through the middle lev

September 27, 1966 - Tuesday

Winds increased from 90 to 120 MPH. Inez moved west 10 to 15 MPH. At 9 A.M. AST Emergency Hurricane Warnings were in effect for the Islands from Marie Galante to Antigua including Guadeloupe, Desirade, and Montserrat. Gale Warnings were in effect for Dominica and for the Leeward Islands from St. Kitts to St. Maarten. Hurricane Watch remained in effect for the area from St. Kitts to St. Maarten and were placed in effect for the Virgin Islands and Puerto Rico. At 12 noon AST Hurricane Warnings were extended to include the Islands of Nevis, St. Kitts, St. Eustatius, and Saba. Gale Warnings were in effect for Dominica and for the Northern Leeward Islands from Barbuda to St. Maarten. Hurricane Watch was in effect for Puerto Rico and the Virgin Islands.

3 P.M. AST...Hurricane Inez over Guadeloupe. Hurricane Warnings were in effect for Southern Leeward Islands from Guadeloupe to St. Kitts. Gale Warnings were in effect for Dominica and Northern Leeward Islands from Barbuda to St. Maarten. Gale Warnings for winds 50 to 60 MPH were in effect for the Island of St. Croix. A Hurricane Watch continued in effect for the Virgin Islands and Puerto Rico.
6 P.M. AST...Hurricane Warnings continued for the Leeward Islands from Monserrat to St. Kitts. Hurricane Warnings were discontinued for the rest of the Leeward Islands. Gale Warnings were maintained for the Leeward Islands from Guadeloupe to Antigua and for the Northern Leeward Islands from Barbuda to St. Maarten. Gale Warnings were extended to cover the whole Virgin Islands and also the Island of Puerto Rico.

8 P.M. AST...Hurricane Warnings were continued in effect for the Leeward Islands from Montserrat to St. Kitts and Gale Warnings over the rest of the Leeward Islands, the Virgin Islands, and Puerto Rico. 10 P.M. AST...Hurricane Warnings were continued in effect for the Leeward Islands from Montserrat to St. Kitts and Gale Warnings over the rest of the Leeward Islands, the Virgin Islands and Puerto Rico. Hurricane Watch remained in effect for the Virgin Islands and Puerto Rico. Midnight AST...Hurricane Warnings remained in effect from Montserrat to St. Kitts but were expected to be lowered at 6 R.M. AST. Gale Warnings were in effect for the whole Virgin Islands and Puerto Rico, St. Maarten, and St. Barthelemy. A Hurricane Watch remained in effect for the whole Virgin Islands and Puerto Rico.

September 28, 1966 - Wednesday

Inez became an extremely severe hurricane with winds increasing to 150-175 MPH and with lowest pressure of 930 millibars or 27.46 inches at 9 P.M. AST.

2 A.M. AST...Hurricane Warnings remained in effect for the Leeward Islands from Montserrat to St. Kitts but were expected to be lowered at 6 A.M. AST. Gale Warnings remained in effect for Puerto Rico, the Virgin Islands, St. Maarten and St. Barthelemy. Gale Warnings were expected to be lowered at 6 A.M. AST for St. Maarten and St. Barthelemy. A Hurricane Watch remained in effect for Puerto Rico and the Virgin Islands.

- 4 A.M. AST...Gale Warnings continued in effect for Puerto Rico, the Virgin Islands, and the Northwestern Leeward Islands. Hurricane Warnings were still in effect for the Islands from Montserrat to St. Kitts but expected to be lowered at 6 A.M. AST.
- 6 A.M. AST...Gale Warnings were in effect for the Virgin Islands and Puerto Rico. Hurricane Watch became effective for Haiti and the Dominican Republic. All warnings were discontinued for the Leeward Islands.
- 8 A.M. AST...Gale Warnings with winds up to 50 MPH were in effect for Puerto Rico and the Virgin Islands and north coastal section of Puerto Rico and up to 60 MPH with gusts to 65 or 70 MPH along the south coast of Puerto Rico. Hurricane Watch continued for Haiti and the Dominican Republic. 10 A.M. AST...Gale Warnings continued for Puerto Rico and the Virgin Islands. Hurricane Watch continued for Haiti and the Dominican Republic.
- 12 Noon AST...Hurricane Warnings were effective for the south coast of the Dominican Republic from Barahona Peninsula eastward to Punta Este. Gale Warnings were in effect for the remainder of Hispaniola. A Hurricane Watch was continued for Haiti.
- 2 P.M. AST...Gale Warnings continued for Puerto Rico and the Virgin Islands.

 Hurricane Warnings were in effect for the south coast of the Dominican Republic from the Barahona Peninsula eastward. Hurricane Watch was in effect for Haiti.
- 4 P.M. AST...Gale Warnings were maintained for Puerto Rico and the Virgin Islands. Emergency Hurricane Warnings were effective for the south coastal sections of the Dominican Republic especially in the Barahona Peninsula.
- 6 P.M. AST...Hurricane Warnings were effective for the south coast of the Dominican Republic from the Barahona Peninsula eastward to Punta Este and for the southwestern peninsula of Haiti. Gale Warnings were in effect for the remainder of Hispaniola and continued for the southwestern portions of Puerto Rico.
- 9 P.M. AST...Emergency Harricane Warnings continued in effect for the south coast of the Dominican Republic from the Barahona Peninsula eastward to Punta Este and for the southwestern peninsula of Haiti. All warnings were lowered for Puerto Rico.
- 11 P.M. EST...Hurricane Warnings were in effect for the south coast of the Dominican Republic and southwestern peninsula of Haiti. Gale Warnings were in effect for the remainder of Hispaniola.

September 29, 1966 - Thursday

Inez battered the Barahona Peninsula of the Dominican Republic and pounded Haiti. Winds were as high as 160 MPH, weakened a little to 100 MPH while over Haiti. Lowest pressure 927 mb or 27.38 inches. Movement in west to west-northwest 12-16 MPH.

- 2 A.M. EST...5 A.M. EST...Hurricane Warnings were in effect for the south coast of the Dominican Republic and the southwestern peninsula of Haiti. Gale Warnings were in effect for the remainder of Hispaniola.
- 11 A.M. EST...Hurricane Warnings remained in effect for the south coast of the Dominican Republic and the southwest peninsula of Haiti including the Island of Gonave. Hurricane force winds were indicated at possibly extending as far north as the peninsula on the northwest portion of Haiti. Gale Warnings were in effect for the remainder of Hispaniola. Hurricane conditions were expected over the extreme east portion of Cuba Friday.
- 2 P.M. EST...Hurricane Warnings were in effect along the southwest portion of the Dominican Republic and the southwest peninsula of Haiti including the Island of Gonave. Hurricane force winds were indicated as extending as far north as the peninsula on the northwest portion of Haiti. All wind warnings were lowered north of the Central Ranges in the Dominican Republic. Gale Warnings were in effect for the remainder of Haiti. Hurricane conditions were expected over the extreme east portion of Cuba Friday.
- 5 P.M. EST...Hurricane Warnings remained for the southwest peninsula of Haiti including the Island of Gonave. Hurricane winds were indicated as possibly extending as far north as the northwest peninsula of Haiti and Hurricane Conditions were expected over the extreme east portion of Cuba tonight. Gale Warnings were expected for the remainder of Haiti. All wind warnings were lowered for the Dominican Republic.
- 8 P.M. EST...Hurricane Warnings were in effect for the southwest peninsula of Haiti and the Island of Gonave. Near Hurricane winds were indicated as possibly affecting the extreme northwest portion of Haiti during the night. Gale Warnings were still in effect for the remainder of Haiti. Gale and Hurricane force winds were indicated to begin during the night and to reach the south coast of Cuba in Oriente Province early Friday morning.
- 10 P.M. EST...Hurricane Warnings were effective for the southwest peninsula of Haiti and the Island of Gonave and Gale Warnings elsewhere over Haiti but indicated they would be discontinued at 5 A.M. EST. Interests in southeastern Cuba were asked to rush preparations against hurricane winds, heavy rains, and high tides.
- of Haiti and the Island of Gonave and Gale Warnings elsewhere over Haiti but it was indicated they would be discontinued at 5 A.M. EST. Southeastern Cuba was asked to rush preparations against Hurricane winds...heavy rain...with Gales and Hurricane Force winds expected to reach the south coast in Oriente Province by early Friday morning.

September 30, 1966 - Friday

Inez slowly reorganized after leaving Haiti. Winds continued about 100 MPH. The hurricane center reached the coast of Cuba between Guantanamo and Santiago, moved northwest to near the northern coast, then westward to the southern coast near Santa Cruz del Sur. The passage over the mountainous terrain of southeastern Cuba disturbed the circulation resulting in erratic motion and also difficulty in defining the precise center. Winds of 158 MPH were recorded at Guantanamo City.

- 2 A.M. EST...Gale and Hurricane force winds were expected along the extreme southeast coast of Cuba by late night.
- 5 A.M. EST...Gale and Hurricane force winds were expected along the southern Cuban coast from Guantanamo to Manzanillo during the day.
- 11 A.M. EST...Precautions against hurricane conditions continued for the Oriente Province of Cuba and above normal tides were expected to begin in the Central Bahamas by afternoon. Inez was indicated as threatening the Ragged Islands... The Crooked...The Acklins...and all those from San Salvador to Andros.
- 5-P.W. EST... Precautions against hurricane conditions continued for the Oriente Province of Cuba. Preparations were asked to be continued against Hurricane conditions on the Bahama Islands of Andros and New Providence and for Gale winds elsewhere in the western Bahamas.
- 11 P.M. EST...Precautions against hurricane conditions were continued in Oriente and Camaguey Provinces of Cuba.

October 1, 1966 - Saturday

Inez became erratic, moved westward, then slowly northeastward along the southern coast of Cuba and then northwestward to central Cuba. Speeds varied from 5 to 15 MPH. Highest winds of 100 MPH dropped to 50 MPH, below hurricane force, over interior Cuba.

- 2 A.Mr-EST...Precautions against Gale and Hurricane force winds were in effect for western and central Cuba especially along the south coast but only Gale Warnings were in effect for central Cuba.
- 5 P.M. EST...Gale Warnings were issued for the southeast Florida coast from Stuart to Marathon. Gale winds were expected to spread northward over Andros Island, New Providence, Elemethera, Grand Bahama, and Great Abaco by night and Sunday with the greatest threat of Hurricane winds at Bimini and Grand Bahama.
- 11 P.M. EST...With Inez weakening to below hurricane force all warnings were discontinued for Miami northward. Gale warnings remained in effect on the Florida Keys, Marathon northeastward.

October 2, 1966 - Sunday

Inez moved north out of Cuba and then northeastward to about 95 miles southeast of Miami at speeds ranging from 5 to 10 MPH. From wind speeds of 50 MPH, hurricane strength of 75 MPH winds were attained by 5 P.M. EST.

- 2 A.M. EST...Gale Warnings were in effect from Key Largo to Marathon in the Florida Keys.
- 11 A.M. EST...Gales were also expected in the extreme western Bahamas.

- 2 P.M. EST...Gale Warnings were issued for the southeast Florida coast from Stuart to Key Largo.
- 5 P.M. EST...Gale Warnings were in effect from Stuart to Marathon, Florida.

 Gales also were expected in the extreme western Bahamas. Hurricane force winds were expected in the Bimini chain after midnight and around Grand Bahama.

October 3, 1966 - Monday

Inez moved very slowly northeastward reaching to about 115 east of Miami or about 45 east of the Bimini Islands at 1700 EST and then looped very slowly to the southwest. Highest winds were 85 MPH. By afternoon the eye became irregularly shaped and it was difficult to locate the exact center.

- 2 A.M. EST...Gale Warnings were in effect from Stuart to Marathon. Gales also were expected through the extreme western Bahamas from Andros Island northward and northeastward. Hurricane force winds were expected to pass a little east of Bimini this morning.
- 5 A.M. EST... Hurricane force winds were indicated to likely occur in portions of the Berry Islands this morning and Abaco area this afternoon and early night.
- 11 A.M. EST...Precautions against gales were continued in the northern Bahamas. Hurricane force winds were expected to affect portions of the Berry Islands, Great Abaco, and Grand Bahama.
- 3 P.M. EST...Gale Warnings were issued for the southeast Florida coast from Shart to Key Largo.
- 5 P.M. EST...Gale Warnings were continued from Stuart to Key Largo. Precautions against gales and hurricane force winds were continued for extreme northern Bahamas.
- 9 P.M. EST...A statement from the National Hurricane Center indicated Gale Warnings were extended north of Stuart to Vero Beach and south of Key Largo to Marathon at 9:30 P.M.
- 11 P.M. EST...Gale Warnings were displayed Vero Beach to Marathon. Precautions against gales were continued for the southeast Florida coast. Precautions were also continued in the extreme northern Bahamas against gales to hurricane force winds.

October 4, 1966 - Tuesday

Inez moved on a west-southwestward course at speeds 5 to 12 MPH and picked up wind speeds from about 85 MPH to 100 MPH with gusts to 115 MPH. It passed within 30 to 40 miles of Miami. All of the Upper Keys experienced portions of the eye. Key West was in the eye for nearly three hours from about 2000 to 2300 EST.

- 2 A.M. EST... Gale Warnings were in effect from Marathon to Vero Beach.
- 5 A.M. EST...Hurricane Warnings were placed in effect from Ft. Lauderdale to Marathon. Gale warnings were displayed elsewhere from Vero Beach to Key West.
- 7 A.M. EST... Flamingo was included in Hurricane Warnings.
- 11 A.M. EST... Hurricane Warnings were extended west of Marathon to Dry Tortagas.
- 5 P.M. EST...Hurricane Warnings remained displayed from Key Largo to Dry Tortugas including Flamingo but were lowered north of Key Largo to Ft. Lauderdale. Gale Warnings remained displayed from Vero Beach to Ft. Lauderdale on the Atlantic coast and at Everglades City southward on the southwest Florida coast.

October 5, 1966 - Wednesday

Inez moved westward at about 10 MPH until becoming nearly stationary just south of Dry Tortugas during the morning daylight hours with the eye becoming poorly defined and large varying from 30 to 40 miles in diameter. During the afternoon it again became better organized and moved west southwestward and then southwestward with movement speeds of 7 to 8 MPH. Highest winds remained around 100 MPH.

- 5 A.M. EST...Hurricane Warnings were in effect from Marathon to Dry Tortugas.
- 11 A.M. EST...Hurricane Warnings remained displayed west of Big Pine Key to and including Dry Tortugas. All interests in the Keys from Marathon westward were asked to remain on a hurricane watch status. The Hurricane Watch was extended to the southwest Florida coast from Flamingo around Cape Sable to Ft. Myers. Precautions against Gale Winds were continued in the lower Keys from Big Pine Key eastward to and including Marathon.
- 5 P.M. EST...Hurricane Warnings remained displayed at Dry Tortugas but were lowered at Key West eastward to Big Pine Key. The Hurricane Watch for the lower Keys and the southwest Florida coast was discontinued.
- 8 P.M. EST...Hurricane Warnings remained displayed at Dry Tortugas with winds of near hurricane force still occurring there. Gales were expected along northwest coast of Cuba, from Havana west.

October 6, 1966 - Thursday

Inez moved west-southwest to southwest at speeds 7 to 10 MPH with highest wind speeds 100-110 MPH.

- 2 A.M. EST...It was stated that Hurricane Warnings would be lowered at 5 A.M. Hurricane force winds were indicated for extreme western portion of Cuba this morning.
- 5 A.M. EST...Interests on the extreme morth part of the Yucatan peninsula were advised to take preliminary plans against hurricane force winds.

10 A.M. CST...Precautions against hurricane force winds were advised along the northern Yucatan coast during day.

October 7, 1966 - Friday

Inez became more westerly and moved between west and west-southwest 8-10 MPH with center about 20 miles north and paralleling the Yucatan coast. It brushed the Yucatan peninsula with <u>hurricane</u> winds and then moved into the southwestern Gulf of Mexico.

1 A.M. CST...Precautions against hurricane force winds were continued for the northern Yucatan coast.

10 P.M. CST... Inez was located about 140 miles west northwest of Merida, Mexico.

October 8, 1966 - Saturday

Inez intensified with winds increasing from 115 to 135 MPH with a west to west-northwest movement of 10-12 MPH.

- 4 A.M. CST...Immediate precautions against hurricane conditions were advised for the Mexican coast in the general area of Tuxpan to 100 miles north of Tampico.
- 10 A.M. CST...Hurricane Watch was advised for the Texas coast. Precautionary measures against hurricane were advised to be continued along the Mexican coast from Tampico area northward.
- 4 P.M. CST...Hurricane Watch was in effect for the Texas coast with statement that warnings would probably be issued for parts of Texas coast early tonight. Advice was given to evacuate Padre Island tonight. Precautionary measures were advised against hurricane conditions along the Mexican coast from Tampico northward.
- 7 P.M. CST...Precautionary measures against hurricane conditions were advised to be continued along the Mexican coast from Tampico northward. Hurricane watch was continued for Texas coast. It was stated that if necessary warnings would be issued for portions of the Texas coast early Sunday. Inez was expected to turn more toward the northwest but if this change did not materialize, the center would move inland near or a little north of Tampico on Sunday.
- 10 P.M. CST...Precautionary measures against winds in excess of 100 MPH, tides 8 to 12 feet, and torrential rains were continued for the Mexican coast in the area 50 miles south to 100 miles north of Tampico. It was indicated that the present course would move the center of Inez inland near Tampico Sunday morning. The Hurricane Watch was continued for the Texas coast.

October 9, 1966 - Sunday

Inez again slowed, became erratic and almost stationary, but continued a slow northwestward movement of about 5 MPH. Highest winds continued at 135 MPH.

- 1 A.M. CST...Precautionary measures against winds in excess of 100 MPH, tides 8 to 12 feet, and torrential rains were continued for the Mexican coast in the area of Tampico to 150 miles north. A Hurricane Watch was continued for the Texas coast. It was indicated that the expected course would take the center of Inez into the Mexican coast near or a little north of Tampico Sunday (today).
- 4 A.M. CST...Humicane Watch continued for the Texas coast and precautionary measures against hurricane conditions were advised to continue for the Mexican coast from Tampico northward. It was indicated that the expected course would take the center into the Mexican coast between Tampico and Brownsville late today or tonight.
- 10 A.M. CST...Hurricane Warnings were issued for the Brownsville, Port Isabel area and Gale Warnings northward to Corpus Christi. A Hurricane Watch remained in effect on the Texas Coast...Precautionary measures against severe hurricane conditions were continued on the Mexican coast from Tampico northward. It was indicated that the center of Inez would be nearing the extreme southern Texas coast early Monday.
- 4 P.M. CSTm..It was indicated that the center of Inez would be nearing the extreme northeast Mexican coast south of Brownsville early Monday.
- 10 P.M. CST...It was stated that Inez would be nearing the coast between Tampico and Brownsville early Monday.

October 10, 1966 - Monday

Inez shifted from a west-northwestward to west-southwestward movement and the center moved inland on the Mexican coast 30 to 40 miles north of Tampico around 8 A.M. CST. The Tampico area was battered. After moving inland the winds diminished rapidly from about 135 MPH to 60 MPH by late afternoon.

- 1 A.M. CST...Precautionary measures were advised against winds in excess of 100 MPH, tides 8 to 12 feet, and torrential rains on the Mexican coast from Tampico area to 175 miles north of Tampico. Hurricane Warnings were continued for the Brownsville-Port Isabel area and Gale Warnings northward to Corpus Christi. A Hurricane Watch was continued elsewhere on the Texas Coast. The center of Inez was expected to move inland Monday morning 25 to 100 miles north of Tampico and 150 to 225 miles south of Brownsville.
- 10 A.M. CST...Hurricane and Gale Warnings were discontinued for the Texas coast. Winds, seas, and tides were expected to diminish south of Brownsville to Tampico through tonight.

SAN JUAN (MJSJ) RADAR EYE POSITIONS

Septemb	er 28, 1966						
0315Z	EYE	1630N	6334W				
03402	EYE	1630N	6340W	D12, 0914			
OHHOZ	EYE	1632N	6358W	D10, 0916			
0540Z	EYE	16 3 6N	6416W	D13, 0917 139/135			
0610Z	EYE	1636N	6422W	m2, 0915 142/128			
0710Z	EYE	1636N	6434W	D10, 0912 146/123			
0810z	EYE	1636n	6446 w	D10, 0912 150/116			
0910Z	EYE	1636N	6458 w	D8, EYE WELL DEFINED; RAIN SHIELD			
				EXTENDS 90 MI N. 0912 155/108			
1010Z	EYE	16 3 8n	6412W	D8, 0913 162/102			
10 402	EYE	1640N	6519W	D8, 0813 165/98			
1110Z	EYE	1644N	6526W	D10, 1013 168/94			
1140Z	EYE	1646 n	6532W	D9, 1313 172/90			
1210Z	EYE	1650N	6539W	18, 1613 176/88			
1410Z	EYE	1651N	6611W				
1610Z	EYE	1653N	6645W				
1640 z	EYE	1653N	6650W	D10, 0914			
1840Z	EYE	1702N	6715W	109, 11114			
2040Z	EYE	1659N	67 50 W	DiO, 1014 EYE Diffused			
1940Z	EYE	1657N	67 31W	D10, 1014			
Septemb	er 29, 1966						
0010Z	EYE	1704N	6840W				
0040Z	EYE	1703N	6854w	D14, 0916 CIRCULAR			
	AGUADILLA/RAMEY, FUERTO RICO						
Septemb	er 29, 1966						
0010Z	EYE	1659N	6826W	D16			
0240Z	EYE	1658N	6903W	D15			
JE 100		20,01	-/-/-				

GRAN PIEDRA EYE POSITIONS

Hurricane Inez

September 1966		19.9N - 75.6W
29 23Z EYE	118/255 KM	DIAM 50 KM
30 00Z EYE	120/235 KM	diam 50 km
30 OLZ EYE	120/230 KM	

MIAMI (MIAC) RADAR MYE POSITIONS

Hurricane Inez

October	2, 1966 EST			
26205	PSBL EYE	2344N	7938W	
1610Z		2354N	7933W	DLO OPEN S
1640Z	PSBL EYE	2348N	7933W	
1710Z	PSBL EYE	2354N	7928W	n10 2109
1740Z	PSBL EYE	2403N	7932W	
1815Z	PSBL EYE	2411N	7933W	D12 1718 OPEN S
1840Z	PSBL EYE	2413N	7936W	
1915Z	PSBL EYE	2415N	7935W	D18 1603
1940Z	PSBL EYE	2416N	7935W	•
2010Z	PSBL EYE	2406N	7930W	
2040Z	PSBL EYE	2412N	7921W	D28
2140Z	EYE	2412N	7917W	
2210Z	EYE	2415N	7914W	D30
2240Z	EYE	2423N	7918W	
2315Z	EYE	242311	1720	
October	3, 1966			.
0010Z	EYE	2426N	7914W	(143/99)
0106Z	EYE	2433N	7916W	
0100Z	EYE	2436N	7916W	D29 Poorly Organized
	EYE	2438M	7915W	(140/91)
0210Z 0240Z	EYE	5440M	7914W	D15, Poorly defined
	EYE	2443N	7911W	D26, Very poorly defined
0348Z	EYE	5444N	7910W	
0410Z	EYE	2443N	7909W	D35, poorly defined
0440Z	EYE	2439N	7902W	
0510Z	EXE	2440N	7858W	D38, Eye Poorly defined
0540Z	EYE	Strttn	7858W	D35, Eye poorly defined; Open SW
0640Z	EYE	2445N	7846W	2610 Open S
0710Z	EYE	2459N	7851W	D3 O
0739Z	EYE	2502N	7840W	D35
0840Z	EYE	2505N	7838W	D35
1040Z	EYE	2508N	783-W	
11402	EYE	2509N	7834W	D35 OPEN W
1240Z	EYE	2509N	7834W	OPEN W
1310Z	EYE	2512N	7834W	
1345Z	EYE	2514N	7834W	
1410Z	EYE	2518N	783 6W	
1440Z		2517N	7829W	
1512Z	EYE	2524N	7830W	EYE POORLY DEFINED
1543Z	EYE	2518N	7832W	EYE POORLY DEFINED
1640Z	EYE NOT DISCES		, - ,	
1715Z	EYE NOT DISCEP	NTRLE		
1740Z		2543N	7840W	POORLY DEFINED
1840Z	EYE	2525N	7850W	•
1940Z	PSBL EYE	2522N	7850W	•
2017Z	PSBL EYE	252 9 N	7846W	LARGE DIAMETER
2040Z	EYE	المؤتارة		

2110Z	EYE	2535N	7843W	LARGE DIAMETER
2140Z	PSBL EYE	2532N	7828W	
2210Z	EYE BY SPIRAL	2543N	7829W	
	OVERLAY 15 DEGS			
2240Z	EYE 15 DEGREE	2535N	7834W	
	SPIRAL OVERLAY			
2315Z	EYE BY SPIRAL	2536N	7828W	
•	OVERLAY 15 DEGREE			
2340Z	EYE 15 DEGREE	2530N	7833W	
	SPIRAL OVERLAY			
October	4, 1966			
	•			
0013Z	EYE NOT DISCERNIBLE	}		
0042Z	EYE 15 DEGREE	2527N	7846w	
	SPIRAL OVERLAY			
0115Z	EYE	2528N	7846W	
0140Z	EXE	2528N	7846W	
0210Z	EYE	2526N	7843W	3
0240Z	EYE	2528N	7846W	POORLY DEFINED
0315Z	EXE	2528N	7836w	POORLY DEFINED
0335Z	EYE 15 DEGREE	2528N	7846W	
	SPIRAL OVERLAY			
0415 Z	EYE 15 DEGREE	2525N	7847W	
	SPIRAL OVERLAY			
0440Z	EYE	2524N	7848w	15 DEGREE SPIRAL OVERLAY
0510Z	EYE	2524N	7851W	EYR POORLY DEFINED
0545Z	EYE	2527N	7857W	EYE POORLY DEFINED
0640 Z	EYE	2522N	7905W	D38, POORLY DEFINED
0740 2	EYE	2516N	7911W	D40, POORLY DEFINED
0810Z	EYE	2522N	7911W	POORLY DEFINED
0838z	EYE	2520N	7919W	POORLY DEFINED
0912Z	EYE	2521N	7922W	POORLY DEFINED
0935Z	EYE	2522N	7923W	D35, EYE POORLY ORGANIZED
1012Z	EYE	2521N	7925W	D35, 0804 POORLY ORGANIZED
1040 Z	EYE	2519N	7927W	D38, 0704 POORLY ORGANIZED
1112Z	EYE	2512N	7935W	POORLY DEFINED 04
11 3 92	EYE	2506N	7939W	EYE ELIPTICAL NE/SW AXIS D45
		1 -		0416 NW/SE AXIS, D20 POORLY DEFINED.
1212Z	EYE	2504N	7943W	EYE ELIPTICAL NE/SW AXIS D45
				NW/SE AXIS D22 0512 OPEN NE
		1	moster.	POORLY DEFINED
1255Z	EYE	2504N	7954¥	D30 0712 POORLY DEFINED
1345Z	EYE NOT DISCERNIBLE		an else-	
1440Z	EYE	2500N	7954W	D23
1540Z	EYE	2452N	8009W	D25, Poorly Defined Wall Cloud
		al. com	903.35	STRONGEST S
1615 Z	EYE	2459N	8013M	D25; OPEN W POORLY DEFINED
15				

1640 Z	EXE	2458N	8020W	D27, OPEN NW POORLY DEFINED
1740Z	EYE	2500N	8030W	POORLY DEFINED
1815 Z	EYE	2457N	8039W	POORLY DEFINED; OPEN W - NW
1840 z	EXE	2455N	8046 w	POORLY DEFINED
1914Z	EYE	2455N	8052W	POORLY DEFINED; OPEN W-N
1940 Z	EYE	2455N	8053W	POORLY DEFINED
2015Z	EYE	2450N	8053W	POORLY DEFINED; OPEN W-NW
2040 z	EXE	2451N	8100W	POORLY DEFINED; OPEN WNW
2115Z	EYE	2443N	8105W	POORLY DEFINED; OPEN W-NW
2140Z	EYE	5##5M	8116W	POORLY DEFINED
2210Z	EYE	2438N	8109W	ELONGATED NE-SW
2240Z	EYE	2437N	8113W	
2320Z	EYE	2431N	8113W	
2340Z	EYE	2434N	8118W	D 3 2, 0608
October	5, 1966			
0010Z	EYE	2439N	8118W	D29
0040 Z	EYE	544JN	8124W	
0240 Z	EXE	2429N	8146W	ELONGATED N-S
0310Z	EYE	2429N	8151W	ELONGATED NINW-SSE
0340z	EYE	2431N	8153W	
0410Z	EYE	2433M	8157W	7
OHHOZ	EYE	2431N	8204W	
0510Z	EYE	2428N	8207W	0709
0540Z	EXE	2428N	8212W	D45, 0608
0640 z	EYE	2436N	8232W	15 DEG SPIRAL OVERLAY
0745Z	SPIRAL BAND ONLY			
0845 Z	rain shield			
0945Z	RAIN SHIELD			
10122	EYE	2430N	8256W	15 DEG SPIRAL OVERLAY
1040Z	EYE	2430N	8300W	15 DEG SPIRAL OVERLAY
1112Z	EYE	2435M	8302W	15 DEG SPIRAL OVERLAY
1140Z	EXE	2438N	8 306W	15 DEG SPIRAL OVERLAY
1240Z	EXE	2432N	8303W	15 DEG SPIRAL OVERLAY
1345Z	BAIN SHIELD AREA			
1440Z	RAIN SHIELD AREA			
1540Z	RAIN SHIELD AREA			
1605Z	EYE			•
1645Z	RAIN SHIELD AREA			
1740Z	RAIN SHIELD AREA			
1845Z	RAIN SHIELD AREA			-
1945Z	RAIN SHIELD AREA			
2045Z	RAIN SHIELD AREA			
-				

KEY WEST (EYW) RADAR EYE POSITIONS

October 1, 1966

2325Z CENTER SELECTION is 120/174 D50 at least

October 2, 1966

01122		2304N	7946W	D20 CELECTION TATE
16402	PSBL EYE	2346N		THE TALK
17112		2352N		
17402		2336N		21, 200,
1840Z		2411N		
1912Z		2416N		
	PSBL EYE	2417N		
2040Z		2415N		
2111		2422N		
2141Z	EYE	2408N		, or hit of
				, o. E. Lou, EIL AFFLARS (I)
				BE INCRG SIZE AND STRENGTH PAST 30 MIN.
2209Z		2407N	7921W	
2239Z		2410N		
2309Z	EYE	2413N		
2315Z	EYE	2423N		DES, LIL MOVMI, OPEN E QUADS
2339Z	EYE		7913W	D30, LTL MOVMT
				DOG, ETE PROPRIE
Octobe	r 3, 1966			
0039Z	EYE	2430N	7916W	D29, 1707 POORLY DEFINED.
				E QUADS
0111Z		2427N	7918W	D31, POORLY DEFINED, E QUDS
0115Z	EYE:	2434N	7914W	D26, EYE POORLY DEFINED
0139Z	EYE	2437N	7916W	D25, 1707 VERT POORLY DEFINED
0209Z	EYE	2439N	7920W	D22, VERT POORLY DEFINED
02372	EYE	2441N	7914W	D16, 1806 FAIRLY DEFINED;
07707				OPEN S QUADS.
0338Z	EYE	2446N	7912W	D16, 1805 VERY POORLY DEFINED
0413Z	EYE	2448N	7910W	D18, VERY POORLY DEFINED; OPEN
04412	Fire			SE TO S QUADS.
04412	EYE	2446N	7912W	D20, LTL MOVMT POORLY DEFINED
05117	73.00			OPEN ENE TO SEE QUADS
0511Z	EYE	2455N	7907W	D15, VERY POORLY DEFINED; OPEN
0540Z	EVE DELGG.			SE-S QUAD
05402	EYE RELOCATED	2433N	7856W	D35, EYE ELONGATED SOD N-5
06407				POORLY DEFINED
0640Z	EYE	2433N	7845W	D48, 2710 POORLY DEFINED; OPEN
07107				N-E QUAD
0710Z	1221	2450N	7840W	D38, POORLY DEFINED; OPEN N-S
0740Z	AREACAN NO LONGE	R DEFINE E	YE	OPEN N-5

October	4, 1966			
0445Z	GARBLED			
0545Z	GARBLED			
0645Z	GARBLED			
0745Z	GARBLED			
		2517M	7012W	ELONGATED HE CW AON EO LONG BOODLY
0841Z	EYE	251 7 N	7912W	ELONGATED NE-SW 40W 50 LONG. POORLY DEFINED CLOSED FULL AGAIN
0910Z	EYE	2511N	7922W	ELONGATED NE-SW 40W 53 LONG. POORLY
0939Z	EVE	2514N	7926W	DEFINED, CLOSED FULL AGAIN
	EYE	2514N	7920W 7932W	ELONGATED NE SW ALMOST CLOSED
10 3 9Z	EYE	2508N	7932W	D34, ELONGATED NE-SW ALMOST CLOSED STGST BANDS S QUAD OF EYE
1109Z	Eye	2509N	7935W	ELONGATED NE-SW ALMOST CLOSED. MOVMT PAST 2 HOURS 0806
1140Z	EYE	2508N	7938W	ELONGATED NE-SW ALMOST CLOSED. STGST WALL ON S OF EYE
1208Z	EYE	2503N	7942W	D28, 0707 - SLIGHTLY ELONGATED NE-SW
1238Z	EYE	2458N	7945W	
1339Z	Eye	2458N	7948W	
1411Z	EYE	2455N	7949W	TOPS WALL CLOUD 300 ELONGATED NE-SW
14112	LIL			POORLY DEFINED. CLOSED WK W TO NNW QUAD.
1441Z	EYE	2456N	7955W	D22, 0705 - CIRCULAR CLOSED. POORLY
				DEFINED. STG FEEDER BANDS INTO EYE ENTIRE S QUAD.
1509Z	EYE	2457N	8000W	D26, CIRCULAR POORLY DEFINED: WALL CLD TOPS
				310. STG FEEDER BANDS S QUAD
1538Z	EYE	2458N	8000W	D28; VERY POORLY DEFINED CIRCULAR OPEN W
				GOOD STG FEEDER. QUADS WALL TOPS 320 BANDS S
				QUADS.
1639Z	EYE	2458N	8013W	D30, 0908 - VERY POORLY DEFINED; OPEN
				N QUAD CIRCULAR TOPS S SIDE OF WALL
				CLOUD 350
1737Z	EYE	2454N	8032W	D35, 0715, TOPS WALL CLD E QUAD 450 W QUAD 310
1842Z	EYE	2501N	8052W	D35, VERY POORLY DEFINED
1939Z	EYE	2457N	8053W	D29; ELONGATED NNW TO SSE OPEN NW TO SE
2008Z	EYE	2453N	8057W	D33; OPEN NW TO NE CIRCULAR
2039Z	EYE	2447N	8058W	D34, 0310; OPEN NNW-NE
2115Z	EYE	2443N	8105W	POORLY DEFINED: OPEN WNW
2138Z	EYE	2437N	8108W	D18, 0412; ELONGATED NE-SW
2208Z	EYE	2438N	8114W	D18, 0612
	EYE	2436N	8119W	
2240Z 2310Z	EYE	2436N 2434N	8121W	D27, 0810; OPEN N ELONGTED NNW-SSE
				D21, 0705; OPEN N
2338Z	EYE	2434N	8122W	D26, 0704
October	5, 1966			
0010Z	EYE	2437N	8125W	D28, 0904
0038Z	EYE	2439N	8131W	D21, 1908
0108Z	EYE	2439N	81 8 8W	D21, 1011
0239Z	EYE	2441N-	-8150W	D22, 0907

		0310Z	EYE	2439N	8158W	
		0513Z	EYE	2434N	8124W	D23, MOVG 0913
		0342Z	EYE	2436N	8159W	D24, 0609
		0412Z	EYE	2434N	8212W	D28, 0912; ELONGATED N-S
		04 3 8Z	EYE	2434N	8218W	D30, 0915; ELONGATED NE-SW
	(MOB)	0513Z	EYE	2434N	8124W	D23, 0913
	(MOB)	0541Z	EYE	2436N	8233W	D28, 0913
	(TLH)	0614Z	EYE	2431N	8240W	
		0640Z	EYE	2433N	8244W	D26, 0712
	(TLH)	0741Z	EYE	2436N	8241W	D26, 1805
	(TLH)	081 0 Z	EYE	2435N	8248W	D30, 1105
		0845Z	EYE	2433N	8248W	D30, 1104
i	(MOB)	0908Z	EYE	2428N	8254W	D30, 0510
		1208Z	EYE			
i		1244Z	EYE	2422N	8303W	D27; STNRY
		1310Z	EYE	2422N	8303W	D26; STNRY
		1338Z	EYE	2428N	8307W	D26
		1410Z	EYE	2431N	8314W	D44, 1208
		1438Z	EYE	2434N	8320W	D38, 1312; OPEN NNW
i	(MIA)	1508Z	EYE	2433N	8324W	D36, 1110; OPEN NW AZRAN 270/90
		1537Z	EYE	2435N	8324W	D34; AZRAN 272/91
ĺ		1639Z	EYE	2431N	8333W	D35, 0807
		1707Z		2430N	8338W	D38, POORLY DEFINED 080/07
		1738Z		2429N	8339W	D40, LTL MOVMT POORLY DEFINED
		10707		24170	8341W	ELONGATED NNE-SSW D44, WELL DEFINED 262/108
		1839Z		2417N 2425N	8350W	D44; WELL DEFINED 202/108
		1937Z 2008Z		2425N 2420N	8352W	D45; FAIRLY WELL DEFINED. ELONGATED NE-SW
		2008Z		2422N	8356W	D42, 070/7K; CIR OPEN NE SOUTH WALL STRONG
		2108Z		2417N	8400W	D40, POORLY DEFINED
		2143Z		2415N	8412W	D40, 0509; OPEN NE POORLY DEFINED
		2224Z		2411N	8405W	D46, EYE OPEN NORTH
		2339Z		2401N	8413W	D31, 0307; ELONG NE-SW OPEN N
		-		27021	0.20	202, 000, 220,0 12 0, 012, 1
		October	6, 1966			
		0038Z		2401N	8424W	D25, 0809; ELONG NNE-SSW 250/149
		0137Z		2353N	8428W	D35, NE-SW ORIENTED AZRAN 255 154NM STNRY
		0109Z		2353N	8428W	D35, BEARING FROM KEY WEST 255/155
		0209Z		2346N	8433W	D47; MOV 030/08 STG WELL DEFINED CLD NE-SW
		0239Z		2341N	8438W	D40; MEYE OPEN NW, STRG WHIRL CLD
		0307Z		2338N	8440W	D47, 040/9KTS; OPEN W QUAD. STG WALL CLD E
						THRU S. AZRAN 251/169
		0338Z		2331N		D35
		0445Z		2324N	8439W	D43, 350/7; OPEN N AND NW
		0515Z		2324N	8439W	
		0542Z		2325N	8440W	OEPN W POORLY DEFINED
		11012				

Key West Eye Positions, continued

0716Z 0747Z 0818Z 0845Z 0915Z 0945Z	EYE EYE EYE EYE	2341N 84 2342N 84 2341N 84 2333N 85	D37, POORLY DEFINED 455W D41, 10/07; POORLY DEFINED 451W D29; POORLY DEFINED 500W POORLY DEFINED 504W D36, 0812; POORLY DEFINED
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TAMPA (TPA) EYE POSITIONS

Octo	ber	5.	1966

	0038Z	EYE	2442N	8127W	40D, OPEN SW
	0113Z 0242Z	EYE EYE	2448N 2432N	8134W 8145W	55D, OPEN SW
COR:	0315Z 0310Z	EYE EYE	2432N	8149W	SHOULD BE 2439 TYPING ERBOR
	0341Z 0415Z	EYE NOT DISCERNIBLE	2434N	8157W	50D

Brownsville (BRO) Radar Eye Positions

Octob	ber 8, 1966			
23452	Z			
00452	Z			
01452	RAIN SHIELD AREA			
02452				125/210 150/245 168/190 152/140
03452	Z SPRL BAND AREA			90/150 135/235 160/245 105/115 NEGATIVE ON RECENT EYE ESTIMATE ACCOUNT OF INSUFFICIENT LENGTH OF ARC.
04422				114/166 128/224 148/216 175/197 177/17
0515Z		2225N	9506W	15 DEG SPIRAL OVERLAY
0543Z	EYE	2221N	9529W	15 DEG SPIRAL OVERLAY
Octob	er 9, 1966			
0642Z	SPRL BAND AREA			125/100 124/200
0742Z	SPRL BAND AREA			128/190 155/225 170/160 142/110
00457	P. T			DETECTED ONLY AT MAX GAIN
0845Z				÷
0942Z 1045Z				
1145Z	TOTAL STREET			
1245Z				
1345Z				
1444Z		2239N	0570W	15 DEC CRIDAL CHERTAN
1545Z		2239N	9539W	15 DEG SPIRAL OVERLAY 107/140 120/170 155/180 179/170 160/85 TOPS 250
1643Z	EYE	2300N	9603W	15 DEG SPIRAL OVERLAY
1715Z		2306N	9601W	TO DES G. ZIALD GVENERY
1747Z		2259N	9602W	
1815Z		2255N	9607W	
1842Z		2259N	9505W	D55
1913Z		2300N	9606W	
1940Z	APRNT EYE	2302N	9607W	
2040Z	EYE	2304N	9618W	D45
2110Z	EYE	2308N	9620W	D40, 1306
2141Z 2211Z	EYE	2302N		D50
2253Z	EYE EYE	2302N		•
2315Z	EYE	2304N 2307N		D40 4504
/○ 0011Z	EYE	230/N 2304N	9629W 9632W	D40, 1506
0041Z	EYE	2304N 2304N		D40 0704
0112Z	EYE	2304N	9632W 9636W	D40, 0304 D35, 0904
01422	EYE	2304N	9640W	D37, 0904
0213Z	EYE	2304N	9640W	D37, U307
0241Z	EYE	2302N	9644W	0404, EYE ELLIPTICAL
0341Z	EYE	2302N	9653W	D35, 0910
0412Z	EYE	2302N	9653W	D30, 09 06
0441Z	EYE	2256N	9659W	D35, 0408
0511Z	EYE	2256N	9656W	D33, 0207
0541Z	EYE	2257N	9702W	D29, 1204

October 10, 1966

0641Z	EYE	2256N	9702W	D31,	LTL MOVMT
		2300N	9713W	D27.	1110 SW QUAD OPEN
0710Z	EYE	2255N	9719W		1104
0843Z	EYE				1104
0911Z	EYE	2255N	9719W	, סכע	1104
0943Z	EYE INDEFINABLE				
10142	POSSIBLE EYE	2243N	9733W		
1043Z	POSSIBLE EYE	2244N	9733W	D24,	0616
1115Z	POSSIBLE EYE	2246N	9734W		
1143Z	POSSIBLE EYE	2246N	9733W	D23,	MOVMT 1802
		2246N	9740W	•	
1215Z	EYE	2247N	9740W	D20.	MOVMT 0907
1243Z	EYE		9751W	J.,	
1314Z	EYE	2247N		D20	0711
1334Z	EYE	2244N	9752W		0711
1444Z	APRNT EYE	2247N	9801W	_	1109
1511Z	APRNT EYE	2244N	9809W	D20	
1544Z	APRNT EYE	2241N	9813W	D25,	0614
1614Z	PSBL EYE	2240N	9825W	D17,	0815
	PSBL EYE1	2234N	9832W	D20.	9 718
1641Z		220 411		,	
1743Z	SPIRAL BAND AREA				
1852Z	SPIRAL BAND AREA			Ť	
1942Z	SPIRAL BAND				
2045Z	AREA				
2140Z	AREA				