

RCV20754

03:31 08/28/85

MIATCDAT5

TTAA00 KNHC 280327

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL DEPRESSION DISCUSSION TROPICAL DEPRESSION FIVE

NATIONAL WEATHER SERVICE MIAMI FL

1130 PM EDT TUE AUG 27 1985

ATTN WSFOS NMC F/D

AIR FORCE RECON FOUND A CIRCULATION JUST EAST OF THE EASTERN TIP OF CUBA AT 0100Z. SINCE THEN THE AIR PLANE CAN NOT GET CLOSE ENOUGH TO CUBA TO CUT IT OFF. LOWEST PRESSURE REPORTED HAS BEEN 1011.0 MB. TOPS WINDS 50 KNOTS FLIGHT LEVEL IN SQUALLS TO THE NORTH.

BELIEVE TRACK WILL TAKE CENTER WEST-NORTHWEST ALONG THE NORTHERN CUBAN COAST NEXT 24 HOURS WITH A GRADUAL DECREASE IN FORWARD SPEED. IF CENTER OF CIRCULATION STAYS OFF LAND... THEN WE SEE NO REASON FOR DEPRESSION NOT TO INTENSIFY.

ALL NHC COMPUTES BASICALLY AGREE ON TRACK WHICH TAKES DEPRESSION INTO SOUTH FLORIDA WITHIN 36 HOURS. WE MODIFIED TRACK TO A MORE WESTERLY PATH MOVING IT INTO THE GULF IN 36 TO 48 HOURS.

CASE.

PRELIMINARY PROG POSITIONS

INITIAL	28/0400Z	20.2N 75.0W
12 HR VT	28/1200Z	23.0N 79.0W
24 HR VT	29/0000Z	24.0N 82.0W
48 HR VT	30/0000Z	26.0N 84.0W
72 HR VT	31/0000Z	29.0N 86.0W

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RCV20773

09:26 08/28/85

MIATCDAT5

TTAA00 KNHC 280923

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL DEPRESSION DISCUSSION TROPICAL DEPRESSION FIVE

NATIONAL WEATHER SERVICE MIAMI FL

530 AM EDT WED AUG 28 1985

ATTN WSFOS NMC F/D

INFRARED SATELLITE IMAGES SHOW DEPRESSION CENTER NEAR NORTH COAST OF CUBA. DEPRESSION MOVING TOWARD 295 DEGREES AT 28 KT. ALL GUIDANCE TECHNIQUES INCLUDING MFM SLOW THE FORWARD SPEED TO 15 KT AFTER 24 HR AND INDICATE TURN TO NORTH.

RECON IS MEASURING 40 TO 45 KT WINDS AT 1500 FT 50 TO 150 MILES NORTH OF THE CENTER...SO THAT THIS SYSTEM IS CLOSE TO STORM INTENSITY. SYSTEM WILL PROBABLY BE UPGRADED TO A TROPICAL STORM LATER TODAY AS IT MOVES AWAY FROM THE CUBAN COAST AND ACROSS THE FLORIDA STRAITS.

LAWRENCE

PRELIMINARY PROG POSITIONS

INITIAL	28/1000Z	22.3N 77.5W
12 HR VT	28/1800Z	24.0N 81.0W
24 HR VT	29/0600Z	26.0N 85.0W
48 HR VT	30/0600Z	31.0N 88.5W
72 HR VT	31/0600Z	INLAND.

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MIATCDAT5

TTAA00 KNHC 281546

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL DEPRESSION DISCUSSION TROPICAL DEPRESSION FIVE

NATIONAL WEATHER SERVICE MIAMI FL

1130 AM EDT WED AUG 28 1985

ATTN WSFOS-NMC F/D

SATELLITE PICTURES AND AIR FORCE RECONNAISSANCE AIRCRAFT REPORTS INDICATE THAT THE BROAD DIFFUSE CENTER OF THE DEPRESSION IS OVER CENTRAL CUBA. AT THIS TIME IT IS STILL UNCLEAR AS TO WHETHER THE CENTER WILL APPEAR OFF THE NORTH OR SOUTHWEST COAST. ACCORDINGLY WE ARE GOING WITH A PATH ALONG CUBA WITH THE SYSTEM EMERGING INTO THE SOUTHEAST GULF TONIGHT. CONDITIONS FAVOR SOME STRENGTHENING AND SYSTEM COULD BECOME A STORM LATER TODAY AS IT MOVES AWAY FROM THE CUBAN COAST.

FORECAST TRACK TURNS SYSTEM GRADUALLY TO THE NORTHWEST AND AT A SLOWER SPEED IN AGREEMENT WITH COMPUTES AND MFM LAST NIGHT.

GERRISH

PRELIMINARY PROG POSITIONS

INITIAL	28/1600Z	22.5N 79.5W
12 HR VT	29/0000Z	23.0N 81.5W
24 HR VT	29/1200Z	24.5N 84.0W
48 HR VT	30/1200Z	28.0N 86.5W
72 HR VT	31/1200Z	32.0N 88.0W INLAND

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MIATCDAT5

TTAA00 KNHC 281945 COR

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL CYCLONE DISCUSSION TROPICAL STORM ELENA COR

NATIONAL WEATHER SERVICE MIAMI FL

3 PM EDT WED AUG 28 1985

ATTN WSFOS NMC F/D

SATELLITE INFORMATION AND RADAR REPORTS FROM KEY WEST THIS AFTERNOON INDICATE THAT THE DEPRESSION HAS BECOME BETTER ORGANIZED WITH SUSTAINED WINDS NOW 45 KT. THUS THE DEPRESSION IS UPGRADED TO TROPICAL STORM ELENA.

ELENA IS EXPECTED TO CONTINUE MOVING TOWARD THE WEST NORTHWEST FOR THE NEXT 12 HOURS WITH A GRADUAL TURN TOWARD THE NORTHWEST IN AGREEMENT WITH COMPUTES. CONDITIONS ARE FAVORABLE FOR ADDITIONAL STRENGTHENING AS THE SYSTEM MOVES INTO THE SOUTHEAST GULF OF MEXICO.

GERRISH

PRELIMINARY PROG POSITIONS

INITIAL	28/1900Z	22.5N 80.5W
12 HR VT	29/0000Z	23.3N 82.3W
24 HR VT	29/1200Z	24.5N 84.0W
48 HR VT	30/1200Z	28.0N 86.5W
72 HR VT	31/1200Z	32.0N 88.0W INLAND

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RCV20866

03:45 08/29/85

MIATCDAT5

TTAA00 KNHC 290339

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL CYCLONE DISCUSSION TROPICAL STORM ELENA

NATIONAL WEATHER SERVICE MIAMI FL

1130 PM EDT WED AUG 28 1985

ATTN WSFOS NMC F/D

LATEST RADAR REPORTS INDICATE ELENA IS NOW OVER THE FLORIDA STRAITS STILL MOVING ON A WEST NORTHWEST COURSE BUT AT A SOMEWHAT SLOWER SPEED OF 15 KNOTS. A NOAA RECON REPORTED 1006 MB AND 50 KNOT WINDS ABOUT 30 MILES NORTH OF THE CENTER WHEN IT WAS NEAR THE CUBAN COAST EARLIER THIS EVENING. MINIMUM PRESSURE IS PROBABLY LESS THAN A 1000 MB AND CONDITIONS REMAIN FAVORABLE FOR THE STORM TO STRENGTHEN TO A HURRICANE ON THURSDAY. MOST OF THE NHC COMPUTES TAKE THE CENTER INLAND IN THE MIDDLE GULF COAST WITHIN 48 TO 72 HOURS. WE HAVE FOLLOWED THIS COURSE WITH A LITTLE FASTER FORWARD SPEED SO THAT THE CENTER SHOULD MOVE INLAND WITHIN 48 HOURS. 24 HOUR PRESSURE FALLS AND A MIDDLE LEVEL TROUGH THAT HAS PERSISTED OVER THE NORTHWESTERN GULF WERE THE MAIN BASIS FOR THE FORECAST. THE OTHER POSSIBILITY STILL EXISTS THAT THE STORM WILL MOVE MORE LIKE A TYPICAL AUGUST STORM AND REMAIN ON A WEST NORTHWEST COURSE INTO THE NORTHWEST GULF.

CLARK

PRELIMINARY PROG POSITIONS

INITIAL	29/0400Z	23.4N 82.8W
12 HR VT	29/1200Z	24.5N 84.5W
24 HR VT	30/0000Z	26.5N 86.5W
48 HR VT	31/0000Z	30.0N 88.5W
72 HR VT	01/0000Z	34.0N 88.0W INLAND

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RCV30498

03:46 08/29/85

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MIATCDAT5

TTAA00 KNHC 290935

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL CYCLONE DISCUSSION TROPICAL STORM ELENA

NATIONAL WEATHER SERVICE MIAMI FL

530 AM EDT THU AUG 29 1985

ATTN WSFOS NMC F/D

AIR FORCE RECON...SATELLITE...AND KEY WEST RADAR ALL FIX THE STORM AT A POSITION IN THE GULF OF MEXICO WHICH INDICATES STORM MOTION OF 300/18 OVER PAST 24 HOURS. STATISTICAL MODELS BRING STORM TO SOUTHEAST LOUISIANA WHILE DYNAMICAL MODELS SHOW STRONG RECURVATURE ACROSS FLORIDA. OFFICIAL TRACK IS A COMPROMISE BETWEEN THESE EXTREMES AND TAKES TRACK ACROSS ALABAMA/FLA PANHANDLE.

ALL GUIDANCE SUGGESTS FURTHER REDUCTION IN FORWARD SPEED...BUT IF THIS DOES NOT HAPPEN SOON...STORM COULD MAKE LANDFALL IN 24 TO 36 HOURS.

RECON MEASURED 998 MB SURFACE PRESSURE SO ELENA COULD BECOME A HURRICANE AT ANY TIME.

BASED ON THE ABOVE...A HURRICANE WATCH IS IN EFFECT AT 6 AM EDT FROM GRAND ISLE LOUISIANA TO APALACHICOLA FLORIDA.

LAWRENCE

PRELIMINARY PROG POSITIONS

INITIAL	29/1000Z	24.8N 84.4W
12 HR VT	29/1800Z	26.5N 86.5W
24 HR VT	30/0600Z	29.5N 87.5W
48 HR VT	31/0600Z	33.0N 86.5W INLAND
72 HR VT	01/0600Z	35.5N 82.5W INLAND

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RCV20904

13:57 08/29/85

MIATCDAT5

TTAA00 KNHC 291350

...FOR INTRAGOVERNMENTAL USE ONLY...

SPECIAL TROPICAL CYCLONE DISCUSSION HURRICANE ELENA

NATIONAL WEATHER SERVICE MIAMI FL

900 AM EDT THU AUG 29 1985

ATTN WSFOS NMC F/D

AIR FORCE RECON FOUND 65 KNOTS AND 994 MB PRES ELENA IS NOW A
HURRICANE.

CASE

PRELIMINARY PROG POSITIONS

INITIAL	29/1000Z	25.0N 85.0W
12 HR VT	29/1800Z	26.5N 86.5W
24 HR VT	30/0600Z	29.0N 89.0W
48 HR VT	31/0600Z	34.0N 90.0W
72 HR VT	01/0600Z	INLAND

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MIATCDAT5

TTAA00 KNHC 291534

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL CYCLONE DISCUSSION HURRICANE ELENA

NATIONAL WEATHER SERVICE MIAMI FL

1130 AM EDT THU AUG 29 1985

ATTN WSFOS NMC F/D

NOAA RECON AT 29/1314Z WITH LOCATION AT 25.1N-85.1W AND A
PRESSURE OF 994 MB SHOWS THAT ELENA CONTINUES MOVING TOWARD
THE NORTHWEST AT 18 KT. EXPECT THAT MOTION TO CONTINUE WITH SOME
DECELERATION WITHIN 12 TO 24 HOURS. SYSTEM IS OVER THE WARM LOOP
CURRENT AND CONDITIONS ARE FAVORABLE FOR CONTINUED STRENGTHENING.

ON THIS COURSE...ELENA WILL MAKE LANDFALL IN THE WARNING AREA
TOMORROW.

GERRISH

PRELIMINARY PROG POSITIONS

INITIAL	29/1600Z	26.0N 86.0W,
12 HR VT	30/0000Z	27.5N 87.5W
24 HR VT	30/1200Z	29.5N 89.5W
48 HR VT	31/1200Z	32.0N 87.0W INLAND.

1985 AUG 29 AM 11:46

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RCV20955

21:31 08/29/85

MIATCDAT5

TTAA00 KNHC 292123

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL CYCLONE DISCUSSION HURRICANE ELENA

NATIONAL WEATHER SERVICE MIAMI FL

530 PM EDT THU AUG 29 1985

ATTN WSFOS NMC F/D

NOAA RECON AT 29/2047Z REPORTED 75 KT SURFACE WINDS AND A MINIMUM SURFACE PRESSURE OF 987 MB. THE FORWARD SPEED OF ELENA HAS DECREASED DURING THE AFTERNOON AND THE MOTION HAS BEEN SLIGHTLY TO THE RIGHT OF THE PREDICTED COURSE. THEREFORE...WE ARE ADJUSTING THE PREDICTED MOTION TO 12 KT DURING THE FIRST 12 HOURS AND 10 KT THE SECOND 12 HOURS. IF THE TREND CONTINUES IT MAY BE NECESSARY TO EXTEND HURRICANE WARNINGS EASTWARD OVER PORTIONS OF THE FLORIDA PANHANDLE.

WHILE GUIDANCE SUGGESTS TURNING THE HURRICANE TO THE NORTHEAST IN RESPONSE TO MOTION OF SHORT WAVE TROUGH AFTER 24 TO 36 HOURS... WE FEEL THAT THE ABRUPT TURN WILL NOT OCCUR UNTIL AFTER LANDFALL.

GERRISH

PRELIMINARY PROG POSITIONS

INITIAL	29/2200Z	26.5N 86.5W
12 HR VT	30/0600Z	27.9N 87.6W
24 HR VT	30/1800Z	29.5N 88.5W
48 HR VT	31/1800Z	33.0N 89.0W INLAND.

RCV20984

03:52 08/30/85

MIATCDAT5

TTAA00 KNHC 300347

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL CYCLONE DISCUSSION HURRICANE ELENA

NATIONAL WEATHER SERVICE MIAMI FL

1130 PM EDT THU AUG 29 1985

ATTN WSFOS NMC F/D

NOAA RECON AT 30/0014Z REPORTED 92 KT FLIGHT WINDS AND A MIN
PRESSURE OF 985 MB. THE EXPECTED STRENGTHENING IS NOW CLEARLY
TAKING PLACE. FORWARD MOTION HAS DECREASED TO LESS THAN 10 KNOTS
AND LATEST FIXES INDICATE A MORE NORTHLY DIRECTION. PRESSURES
CONTINUE TO FALL OVER SOUTHEASTERN U.S. TRACK IS ADJUSTED TO RIGHT
OF PREVIOUS TRACK AND SLOWED. WARNINGS ARE EXTENDED TO EAST. THIS
FORECAST TRACK IS IN GENERAL AGREEMENT WITH COMPUTES AND MFM.

SHEETS

PRELIMINARY PROG POSITIONS

INITIAL	30/0400Z	27.0N	87.0W	
12 HR VT	30/1200Z	28.0N	87.5W	
24 HR VT	31/0000Z	29.5N	88.0W	
48 HR VT	01/0000Z	33.0N	86.0W	INLAND

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RCV21022

09:59 08/30/85

MIATCDATS

TTAA00 KNHC 300954

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL CYCLONE DISCUSSION HURRICANE ELENA

NATIONAL WEATHER SERVICE MIAMI FL

530 AM EDT FRI AUG 30 1985

ATTN WSFOS NMC F/D

A NOAA RECON FIX AT 08Z INDICATES THAT ELENA CONTINUES ON A NORTH
NORTHWEST COURSE AT 9 KTS OR A LITTLE SLOWER. FORECAST
TRACK IS SIMILAR TO PREVIOUS ONE AND LANDFALL SHOULD OCCUR IN ABOUT
24 HOURS UNLESS THERE IS ADDITIONAL SLOWING DOWN.

RECON REPORTS 980 MB CENTRAL PRESSURE AND 83 KT MAX WIND AT FLIGHT
LEVEL. THERE IS AMPLE TIME FOR SIGNIFICANT ADDITIONAL STRENGTHENING
BEFORE LANDFALL.

LAWRENCE

PRELIMINARY PROG POSITIONS

INITIAL	30/1000Z	27.8N 87.5W
12 HR VT	30/1800Z	29.0N 87.8W
24 HR VT	31/0600Z	30.5N 87.0W
48 HR VT	01/0600Z	33.0N 84.0W
72 HR VT	02/0600Z	INLAND.

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RCV21063

15:50 08/30/85

MIATCDAT5

TTAA00 KNHC 301540

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL CYCLONE DISCUSSION HURRICANE ELENA

NATIONAL WEATHER SERVICE MIAMI FL

1130 AM EDT FRI AUG 30 1985

ATTN WSFOS NMC F/D

A NOAA RECON FIX AT 10Z INDICATES THAT THE MINIMUM PRESSURE IS NOW 973 MB WITH HIGHEST WINDS 85 KT. MOTION OF THE CENTER IS NORTHERLY AT 5 KT. WITH THE STEERING CURRENTS BECOMING WEAKER AND WEAKER... ERRATIC MOTIONS ARE LIKELY TO OCCUR DURING THE NEXT 12 TO 24 HOURS BUT EXPECT A GENERAL NORTHERLY DRIFT WITH A GRADUAL TURN TO A MORE NORTHEASTERLY DIRECTION. OUTFLOW ON SATELLITE IS NOT AS IMPRESSIVE AS YESTERDAY AND THE SYSTEM IS NOT AS SYMMETRICAL BUT ANTICIPATE FURTHER STRENGTHENING BEFORE LANDFALL. MAJOR METEOROLOGICAL PROBLEM CONCERNS THE EFFECT OF THE APPROACHING SHORT WAVE TROUGH FROM THE NORTHWEST.

GERRISH

PRELIMINARY PROG POSITIONS

INITIAL	30/1600Z	28.3N 87.5W
12 HR VT	31/0000Z	29.0N 87.5W
24 HR VT	31/1200Z	30.0N 87.0W
48 HR VT	01/1200Z	32.0N 84.0W INLAND.

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RCV21097

22:10 08/30/85

MIATCDAT5

TTAA00 KNHC 302203 COR

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL CYCLONE DISCUSSION HURRICANE ELENA COR
NATIONAL WEATHER SERVICE MIAMI FL

530 PM EDT FRI AUG 30 1985

1985 AUG 30 PM 6:08

ATTN WSFOS NMC F/D

RECON POSITIONS...SATELLITE...AND RADAR REPORTS THIS AFTERNOON
CONFIRM THAT ELENA NOW IS MOVING TO THE RIGHT OF OUR EARLIER TRACK.
STEERING CURRENTS REMAIN WEAK AND UNCERTAIN BUT THE HURRICANE
APPEARS TO BE MOVING TOWARD THE NORTHEAST AROUND 5 KT. ELENA HAS
NOT STRENGTHENED DURING THE AFTERNOON AND NO SIGNIFICANT
STRENGTHENING IS EXPECTED DURING THE NEXT 12 TO 24 HOURS.

WARNINGS ARE ADJUSTED AT THIS TIME IN RESPONSE TO THE NORTHEAST
MOTION.

FORECAST TRACK NOW REFLECTS IMPACT OF SHORT WAVE TROUGH TO THE NORTH
BUT EXPECT STALLING OVER NORTH FLORIDA AFTER TROUGH MOVES OUT OF THE
AREA.

GERRISH

PRELIMINARY PROG POSITIONS

INITIAL	30/2200Z	28.5N 86.5W
12 HR VT	31/0600Z	28.8N 85.8W
24 HR VT	31/1800Z	29.3N 84.9W
48 HR VT	01/1800Z	30.0N 83.0W
72 HR VT	02/1800Z	30.5N 82.0W

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RCV21119

03:57 08/31/85

MIATCDAT5

TTAA00 KNHC 310330

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL CYCLONE DISCUSSION HURRICANE ELENA

NATIONAL WEATHER SERVICE MIAMI FL

1130 PM EDT FRI AUG 30 1985

ATTN WSFOS NMC F/D

NOAA RECON AND RADAR FROM APALACHICOLA INDICATE ELENA IS MOVING TOWARD THE EAST NEAR 9 KNOTS. THIS EASTWARD MOTION APPEARS TO BE PRODUCED BY A STRONG TROUGH MOVING ACROSS THE EASTERN US. THE EFFECTS OFF THE TROUGH SHOULD DECREASE WITH TIME AND THE FORECASTS AFTER 24 HOURS BECOME VERY UNCERTAIN. A SLOW EASTWARD DRIFT HAS BEEN INDICATED ACROSS NORTH FLORIDA INTO THE ATLANTIC BY 48 HOURS. NMC PROGS BUILD RIDGE OVER EASTERN US BY 48 HOURS SO THE OUTLOOK PERIOD BECOMES VERY UNCERTAIN. EASTWARD MOVING STORMS RARELY STRENGTHEN AND USELY WEAKEN AS SHEARING BECOMES A FACTOR IN THE UPPER LEVEL OUTFLOW PATTERN. IN ANY CASE...HURRICANE WARNINGS WILL BE EXTENDED SOUTHWARD TO SARASOTA AND GALE WARNING SOUTHWARD TO FORT MYERS. HURRICANE WARNINGS WILL BE DISCONTINUED WEST OF PANAMA CITY.

CLARK

PRELIMINARY PROG POSITIONS

INITIAL	31/0400Z	28.6N	85.5W
12 HR VT	31/1200Z	28.7N	84.2W
24 HR VT	01/0000Z	29.0N	82.0W
48 HR VT	02/0000Z	29.0N	80.0W
72 HR VT	03/0000Z	30.0N	78.0W

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RCV21165

09:45 08/31/85

MIATCDAT5

TTAA00 KNHC 310939

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL CYCLONE DISCUSSION HURRICANE ELENA

NATIONAL WEATHER SERVICE MIAMI FL

530 AM EDT SAT AUG 31 1985

ATTN WSFOS NMC F/D

NOAA RECON AND AQQ RADAR INDICATE STORM MOTION IS 070/07. THE OFFICIAL TRACK SHOWS GRADUAL DECELERATION AND TURN TO NORTHEAST BRINGING CENTER JUST OFF SOUTH CAROLINA COAST IN 72 HOURS. MFM LFM AND NHC73 ALL SHOW MORE OF A TURN TO THE NORTH AND NORTHWEST BUT WHETHER THIS WILL OCCUR BEFORE LANDFALL IS UNCERTAIN.

LATEST RECON SURFACE PRESSURE IS 975 MB AND SOME ADDITIONAL STRENGTHENING IS POSSIBLE TODAY.

LAWRENCE

PRELIMINARY PROG POSITIONS

INITIAL	31/1000Z	28.8N 84.9W
12 HR VT	31/1800Z	29.1N 83.8W
24 HR VT	01/0600Z	29.5N 82.5W
48 HR VT	02/0600Z	30.5N 81.0W
72 HR VT	03/0600Z	31.5N 80.0W

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MIATCDATS

TTAA00 KNHC 311549

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL CYCLONE DISCUSSION HURRICANE ELENA

NATIONAL WEATHER SERVICE MIAMI FL

1130 AM EDT SAT AUG 31 1985

ATTN WSFOS NMC F/D

NOAA RECON... AQQ RADAR... AND SATELLITE SHOW MOTION CONTINUES TO THE EAST NORTHEAST AT 7 KT. TROUGH ALONG U.S. EAST COAST IS NOW MOVING AWAY FROM THE SYSTEM LEAVING ELENA BEHIND. THUS EXPECT SOME DECREASE IN FORWARD SPEED DURING THE NEXT 24 HOURS. COURSE AFTER THAT IS HIGHLY UNCERTAIN BUT FEEL THE HURRICANE WILL CROSS NORTH FLORIDA AND EMERGE OFF THE NORTHEAST FLORIDA COAST IN ABOUT 48 HOURS.

NOAA RECON AT 31/1450Z REPORTS PRESSURE OF 974 MB SO THERE HAS BEEN LITTLE CHANGE IN PRESSURE DURING THE PAST 24 HOURS. HOWEVER SATELLITE PICTURES ARE SHOWING THAT DRY COOLER AIR MAY BE ADVECTING INTO THE SYSTEM. THAT MAY BE OFFSET BY THE EFFECT OF WARM SHELF WATER NEAR LANDFALL SO EXPECT LITTLE CHANGE IN STRENGTH.

GERRISH

PRELIMINARY PROG POSITIONS

INITIAL	31/1600Z	28.9N	83.9W
12 HR VT	01/0000Z	29.2N	82.8W
24 HR VT	01/1200Z	29.8N	82.0W
48 HR VT	02/1200Z	30.5N	80.5W
72 HR VT	03/1200Z	32.0N	79.0W

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RCV21335.t24

22:50 08/31/85

ZCZC 558

MIATCDAT5

TTAA00 KNHC 312135

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL CYCLONE DISCUSSION HURRICANE ELENA

NATIONAL WEATHER SERVICE MIAMI FL

530 PM EDT SAT AUG 31 1985

ATTN WSFOS NMC F/D

NOAA RECON...AQQ RADAR...TPA RADAR AND SATELLITE IMAGERY SHOW AN ERRATIC DRIFT OR STALL. LOWEST PRESSURE IS 973 MB. MAJOR PROBLEM CONTINUES TO BE UNCERTAINTIES CONCERNING FUTURE STEERING. ALTHOUGH WE ARE PREDICTING A SLOW EASTWARD DRIFT FOR THE NEXT 12 TO 24 HOURS...THE HURRICANE COULD STALL IN THE ABSENCE OF STEERING. THUS THE TRACK AT THIS POINT MUST NECESSARILY BE QUESTIONABLE.

THERE HAS BEEN LITTLE CHANGE IN STRENGTH AND SEE LITTLE REASON FOR THE SYSTEM TO STRENGTHEN APPRECIABLY IN THE NEXT 24 HOURS. CLEARLY WITH A SLOW MOVING HURRICANE THE RAINFALL TOTALS COULD EXCEED 15 INCHES UPON LANDFALL.

GERRISH

PRELIMINARY PROG POSITIONS

INITIAL	31/2200Z	28.9N 83.9W
12 HR VT	01/0600Z	28.9N 83.5W
24 HR VT	01/1800Z	29.0N 83.0W
48 HR VT	02/1800Z	29.3N 82.5W
72 HR VT	03/1800Z	29.5N 82.0W

1985 AUG 31 PM 9 48

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MIATCDAT5,
TTAA00 KNHC 010331
...FOR INTRAGOVERNMENTAL USE ONLY...
TROPICAL CYCLONE DISCUSSION HURRICANE ELENA
NATIONAL WEATHER SERVICE MIAMI FL
1130 PM EDT SAT AUG 31 1985

ATTN WSFOS NMC F/D

NOAA RECON AND RADAR REPORTS INDICATE THAT ELENA REMAINS STATIONARY ABOUT 50 MILES OFF THE FLORIDA COAST. STEERING PATTERNS ARE VERY WEAK AND UNCERTAIN AT THIS TIME. THE MOST IMPORTANT FACTOR APPEARS TO BE THE BUILDING OF AN UPPER LEVEL HIGH INTO THE EASTERN US DURING THE NEXT FEW DAYS. NMC PROGS STEER THE STORM WESTWARD. NHC COMPUTES ARE STILL SHOWING A NORTHWARD MOTION HOWEVER THIS IS DUE TO THE CLIMATOLOGY BUILT INTO THE PROGRAMS. BECAUSE OF THE UNCERTAINTY OF THE FORECAST THE STORM HAS BEEN LEFT STATIONARY FOR 24 HOURS AND THEN FORECAST TO DRIFT WESTWARD. ELENA APPEARS TO BE BETTER ORGANIZED THIS EVENING ON BOTH RADAR AND SATELLITE. LOWEST PRESSURE REPORTED BY THE RECON WAS 969 MB. NO IMPORTANT CHANGE IN STRENGTH APPEARS LIKELY ALTHOUGH WESTWARD MOTION CAN FAVOR AN INCREASE IN STRENGTH.

CLARK

PRELIMINARY PROG POSITIONS

INITIAL	01/0400Z	28.8N 83.8W
12 HR VT	01/1200Z	28.8N 83.8W
24 HR VT	02/0000Z	28.8N 83.8W
48 HR VT	03/0000Z	28.0N 85.0W
72 HR VT	04/0000Z	28.0N 87.0W

RCV21482

10:01 09/01/85

MIATCDAT5

TTAA00 KNHC 010953

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL CYCLONE DISCUSSION HURRICANE ELENA

NATIONAL WEATHER SERVICE MIAMI FL

530 AM EDT SUN SEP 01 1985

ATTN WSFOS NMC F/D

ELENA REMAINS ABOUT STATIONARY. ALL STATISTICAL TECHNIQUES TAKE STORM TO NORTH. DYNAMICAL MODELS SHOW WEST OR NORTHWEST MOTION. OFFICIAL TRACK IS STATIONARY FOR 12 HOURS FOLLOWED BY WEST NORTHWEST DRIFT TO 48 HOURS THEN NORTHWEST TO 72 HOURS. THE IDEA HERE IS TO SUGGEST A RISK TO THE NORTHERN GULF COAST WEST OF THE WARNING AREA ALTHOUGH PRIMARY RISK IS STILL TO NORTHWEST FLORIDA.

CENTRAL PRESSURE IS DOWN TO 963 MILLIBARS AND A FLIGHT LEVEL WIND OF 95 KT WAS REPORTED BY RECENT NOAA RECON. MAX SURFACE WIND ESTIMATE IS INCREASED TO 90 KT ON THIS BASIS.

LAWRENCE

PRELIMINARY PROG POSITIONS

INITIAL	01/1000Z	28.5N	84.0W
12 HR VT	01/1800Z	28.5N	84.0W
24 HR VT	02/0600Z	28.5N	84.5W
48 HR VT	03/0600Z	29.0N	87.0W
72 HR VT	04/0600Z	31.0N	89.0W

NNNN

MIATCDAT5

TTAA00 KNHC 011607

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL CYCLONE DISCUSSION HURRICANE ELENA

NATIONAL WEATHER SERVICE MIAMI FL

1130 AM EDT SUN SEP 01 1985

ATTN WSFOS NMC F/D

ELENA REMAINS ABOUT STATIONARY. PRESSURE RISES ASSOCIATED WITH THE COLD HIGH NORTH OF THE SYSTEM INDICATES WEST NORTHWEST MOTION FOR THE HURRICANE. ALTHOUGH THERE HAS BEEN SOME INDICATION OF A NORTHWEST MOTION DURING THE MORNING...WE EXPECT A TREND TO BE ESTABLISHED WITHIN THE NEXT 12 HOURS OR SO.

NOAA RECON REPORTS 958 MB AT 01/1448Z AND ADDITIONAL STRENGTHENING IS LIKELY BEFORE LANDFALL. WE ARE INCREASING THE SURFACE WINDS TO 100 KT ON THIS ADVISORY.

ELENA NOW IS A MAJOR HURRICANE AND ALL INTERESTS ALONG THE NORTHERN AND EASTERN GULF COASTS SHOULD MAINTAIN THEIR VIGIL.

GERRISH

PRELIMINARY PROG POSITIONS

INITIAL	01/1600Z	28.8N 84.3W
12 HR VT	02/0000Z	29.0N 85.0W
24 HR VT	02/1200Z	29.5N 86.0W
48 HR VT	03/1200Z	29.5N 87.5W
72 HR VT	04/1200Z	31.0N 90.0W INLAND

NNNN

RCV20063

18:44 09/01/85

MIATCDAT5

TTAA00 KNHC 011833

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL CYCLONE DISCUSSION HURRICANE ELENA

NATIONAL WEATHER SERVICE MIAMI FL

130 PM EDT SUN SEP 01 1985

ATTN WSFOS NMC F/D

ELENA NOW IS ON A WEST NORTHWEST COURSE AT 6 KT AND SOME ACCELERATION IS LIKELY DURING THE NEXT 24 HOURS. THE LOWEST PRESSURE IS 956 MB AND STILL STRENGTHENING.

STEERING IS ONCE AGAIN ESTABLISHED AND WILL LIKELY CONTINUE TO LANDFALL.

GERRISH

PRELIMINARY PROG POSITIONS

INITIAL	01/1800Z	28.9N 84.8W
12 HR VT	02/0000Z	29.2N 85.3W
24 HR VT	02/1200Z	29.8N 87.1W
48 HR VT	03/1200Z	31.0N 90.0W INLAND.

MIATCDAT5

TTAA00 KNHC 012148

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL CYCLONE DISCUSSION HURRICANE ELENA

NATIONAL WEATHER SERVICE MIAMI FL

530 PM EDT SUN SEP 01 1985

ATTN WSFOS NMC F/D

ELENA HAS ACCELERATED SLIGHTLY AND IS NOW MOVING NEAR 300/10 KT. ON THIS COURSE...THE CENTER WILL MOVE VERY CLOSE AND PARALLEL TO THE COAST. THUS THERE COULD VERY WELL BE SOME INTERACTION BETWEEN THE EYE WALL AND THE COAST WHICH MAY CAUSE DEVIATIONS IN THE FUTURE COURSE. HOWEVER...FEEL THAT THE HURRICANE WILL CONTINUE MOVING IN A GENERAL WEST NORTHWEST DIRECTION AT ABOUT THE SAME SPEED.

LOWEST PRESSURE REPORTED BY NOAA RECON WAS 951 MB. PROXIMITY TO TO LAND MAY LIMIT ADDITIONAL STRENGTHENING.

GERRISH

PRELIMINARY PROG POSITIONS

INITIAL	01/2200Z	29.3N 85.5W
12 HR VT	02/0600Z	30.0N 86.8W
24 HR VT	02/1800Z	31.0N 89.0W
48 HR VT	03/1800Z	33.0N 92.0W INLAND.

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RCV20138

00:27 09/02/85

MIATCDAT5

TTAA00 KNHC 020022

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL CYCLONE SPECIAL DISCUSSION HURRICANE ELENA
NATIONAL WEATHER SERVICE MIAMI FL
8 PM EDT SUN SEP 01 1985

ATTN WSFOS NMC F/D

THIS IS SPECIAL ADVISORY TO EXTEND HURRICANE WARNINGS WESTWARD FROM BAY ST LOUIS MISSISSIPPI TO GRAND ISLE LOUISIANA INCLUDING NEW ORLEANS BECAUSE OF THE EXTREME VULNERABILITY OF SOUTHEAST LOUISIANA AND THE LONG TIME IT TAKES TO EVACUATE PEOPLE AND PROTECT PROPERTY. NO CHANGE HAS BEEN MADE IN THE PROJECTED TRACK. GALE WARNINGS HAVE ALSO BEEN DISCONTINUED SOUTH OF TARPON SPRINGS.

CLARK

PRELIMINARY PROG POSITIONS

INITIAL	02/0000Z	29.4N 85.7W
12 HR VT	02/0600Z	30.0N 86.8W
24 HR VT	02/1800Z	31.0N 89.0W
48 HR VT	03/1800Z	33.0N 92.0W INLAND

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RCV20195

03:59 09/02/85

MIATQDAT5

TTAA00 KNHC 020354

...FOR INTRAGOVERNMENTAL USE ONLY...

TROPICAL CYCLONE DISCUSSION HURRICANE ELENA

NATIONAL WEATHER SERVICE MIAMI FL

1130 PM EDT SUN SEP 01 1985

ATTN WSFOS NMC F/D

LATEST RECON AND RADAR REPORTS INDICATE ELENA IS NOW MOVING ON A MORE WESTERLY COURSE WITH SOME INCREASE IN FORWARD SPEED. THIS PRESENTS A GREATER THREAT TO NEW ORLEANS AND SOUTHEAST LOUISIANA. THE NEW MOTION IS 290/12 KT. LATEST UPPER AIR MAPS SHOW A STRONG RIDGE EXTENDING FROM TEXAS TO THE MID ATLANTIC STATES NORTH OF THE STORM. THE CENTER OF THE HIGH IN ARKANSAS IS FORECAST BY NMC PROGS TO MOVE TO THE MID ATLANTIC COAST IN 24 HOURS WHICH SHOULD BEGIN TURNING THE STORM TO A MORE NORTHWESTERLY COURSE AND A SLOWING FORWARD SPEED BY LATE MONDAY. NO IMPORTANT CHANGE IN STRENGTH IS FORECAST WITH WINDS DECREASING RAPIDILY AFTER ELENA MAKES LANDFALL.

CLARK

PRELIMINARY PROG POSITIONS

INITIAL	02/0400Z	29.6N	86.7W
12 HR VT	02/1200Z	30.0N	89.0W
24 HR VT	03/0000Z	30.5N	91.0W
48 HR VT	04/0000Z	33.0N	91.5W INLAND

NNNN

MIATCDAT5

TTAA00 KNHC 020959

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TROPICAL CYCLONE DISCUSSION HURRICANE ELENA

NATIONAL WEATHER SERVICE MIAMI FL

530 AM EDT MON SEP 02 1985

ATTN WSFOS NMC F/D

ELENA CONTINUES ON A WEST NORTHWEST COURSE AT 12 KT AND THIS BRINGS THE CENTER ONSHORE IN A FEW HOURS BETWEEN NEW ORLEANS AND MOBILE.

THE LATEST RECON CENTRAL PRESSURE IS 957 MB SO INTENSITY HAS NOT CHANGED MUCH.

LAWRENCE

PRELIMINARY PROG POSITIONS

INITIAL	02/1000Z	30.1N 88.2W
12 HR VT	02/1800Z	31.0N 90.0W
24 HR VT	03/0600Z	32.5N 91.5W
48 HR VT	04/0600Z	37.0N 92.0W
72 HR VT	05/0600Z	INLAND.

MIATCDAT5

TTAA00 KNHC 021547

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TROPICAL CYCLONE DISCUSSION HURRICANE ELENA

NATIONAL WEATHER SERVICE MIAMI FL

1130 AM EDT MON SEP 02 1985

ATTN WSFOS NMC F/D

ELENA CONTINUES ON A WEST NORTHWEST COURSE NEAR 15 KT. EXPECT RAPID WEAKENING TO BELOW HURRICANE STRENGTH THIS AFTERNOON AND TO MINIMAL STORM OR LOW PRESSURE AREA WITHIN 24 HOURS.

FORECAST TRACK IS SIMILAR TO PREVIOUS IN AGREEMENT WITH COMPUTES AND GUIDANCE.

GERRISH

PRELIMINARY PROG POSITIONS

INITIAL	02/1600Z	30.7N 89.9W
12 HR VT	03/0000Z	31.5N 91.0W
24 HR VT	03/1200Z	33.0N 93.0W INLAND.

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MIATCDAT5

TTAA00 KNHC 022127

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TROPICAL CYCLONE DISCUSSION TROPICAL STORM ELENA

NATIONAL WEATHER SERVICE MIAMI FL

530 PM EDT MON SEP 02 1985

ATTN WSFOS NMC F/D

ELENA CONTINUES ON A WEST NORTHWEST COURSE NEAR 15 KT. EXPECT
RAPID WEAKENING TO BELOW TROPICAL STORM STRENGTH WITHIN THE NEXT
FEW HOURS.

THIS WILL BE THE LAST ADVISORY ON ELENA.

GERRISH

PRELIMINARY PROG POSITIONS

INITIAL	02/2200Z	31.2N 91.2W	INLAND
12 HR VT	03/0600Z	32.5N 93.5W	INLAND

NNNN