

NOAA Technical Memorandum NWS NHC 26

ANNUAL DATA AND VERIFICATION TABULATION
ATLANTIC TROPICAL CYCLONES 1984

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February 1985

INTRODUCTION

This is the eleventh report of an annual series prepared by the National Hurricane Center (NHC) to provide a source of summarized data on Atlantic tropical cyclones. It will not duplicate the narrative overview of the hurricane season or the description of individual storms, which will continue to be published in the Monthly Weather Review. In addition to data supplied by the National Weather Service, materials have been furnished by the NOAA Tropical Satellite and Analysis Center of NHC, and the CARACH (Chief Aerial Reconnaissance Coordination, all Hurricanes). This report also includes Probability Forecasts issued with advisories on landfalling United States tropical storms and hurricanes (Appendix B).

OBJECTIVE FORECAST TECHNIQUES

The following tropical cyclone prediction models were used at the National Hurricane Center for forecasting motion on an operational basis:

1. NHC-67 (Miller, Hill, Chase, 1968). A stepwise screening regression model using predictors derived from the current and 24-hour old 1000, 700, and 500 mb data, including persistence during the early forecast periods.
2. SANBAR (Sanders and Burpee, 1968). A filtered barotropic model using input data derived from the 1000 to 100 mb pressure weighted winds. The model requires use of "bogus"

data in data-void areas. The system was modified by Pike (1972) so that the initial wind field near the storm would conform to the current storm motion.

3. HURRAN (Hope and Neumann, 1970). An analog system using as a data base the tracks of all Atlantic tropical storms and hurricanes dating back to 1886.
4. CLIPER (Neumann, 1972). Stepwise multiple screening regression using the predictors derived from climatology and persistence.
5. NHC-72 (Neumann, Hope, Miller, 1972). A modified stepwise multiple screening regression system which combines the NHC-67 concept and CLIPER system into a single model
6. NHC-73 (Neumann and Lawrence, 1973). Similar in concept to the NHC-72 except it also uses the "perfect prog" and MOS (model output statistics) methods to introduce NMC (National Meteorological Center) numerical prognostic data into the prediction equations.
7. NMC MFM MODEL (Hovermale, 1975). A ten-level baroclinic model which uses a moving fine mesh (MFM) grid nested within the coarser NMC fixed grid primitive equation (PE) model

In addition, operational forecasts of tropical cyclone intensity changes in knots at 12-hourly intervals out to 72 hours are generated by a program named SHIFOR (Statistical Hurricane Intensity FORcasts).

Generation of the forecast equations was done by multiple screening regression techniques using historical tropical cyclone data as input. Results over the past several years have shown that SHIFOR and official intensity forecasts have comparable skill scores.

The National Hurricane Center uses the above models as guidance in the formulation of its forecasts. The hurricane forecaster also makes extensive use of analyses and prognoses produced by NMC and TSAC (Tropical Satellite and Analysis Center) in Miami.

VERIFICATION

Verification statistics for the 1984 season are shown in Table 1. The initial position error in Table 1 is the difference between the operational initial position and that determined during post analysis (best track position). The forecast displacement error is the vector difference between the forecast displacement and the actual displacement computed from best-track positions. Landfall prediction errors for the official forecasts are given in Tables 2a and 2b. These are defined as the distance from the predicted landfall point, made 24 hours prior to actual landfall, to the actual landfall point. In cases where a storm either crossed an island or made landfall when predicted to remain offshore, the error was designated as the distance from the landfall point to the nearest point on the forecast track.

Tropical cyclone warning lead times for United States landfalling storms are given in Table 3a. A summary of warning lead times 1970-1984 for hurricanes only and for both tropical storms and hurri-

canes is given in Table 3b. The length of time between the issuance of the warnings and the time that the center crossed the coast, as determined from the "best track", was taken as the warning lead time. As more complete discussion of the verification of tropical cyclone warning lead times, as well as verifications for individual storms from 1970-1977, can be found in 1977 Annual Data and Verification Tabulation (Lawrence, Hebert, and Staff, 1979).

DATA SUMMARIES

A summary of 1984 North Atlantic tropical cyclone statistics is given in Table 4. Tracks of 1984 named storms are shown in Figure 1

The best track, initial, and forecast positions for the 1984 storms are in Table 5, along with initial position and forecast errors, and storm average errors

Table 6 lists all center fix positions and intensity evaluations used operationally at the National Hurricane Center during the 1984 season. Fixes are in chronological order, and include those obtained by aerial reconnaissance penetrations, satellite (Miami TSAC), and land-based radar. The legend precedes the initial table.

Supplementary Vortex Data Messages which replaced Vortex Profiles in the 1977 Annual Data Tabulation are given in Table 7. A diagram of the paths flown in obtaining these Data Messages is given in Figure 2. The symbolic code for interpreting the Data Messages is given as Appendix A.

Table 8 is an aerial reconnaissance summary for the 1984 season.

Graphs of the lowest central pressure versus time for the 1984 named tropical cyclones are shown in Figure 4.

Appendix B gives the probability forecasts issued for the 1984 landfalling United States storms and hurricanes

ACKNOWLEDGEMENTS

Main contributors were: Mr. Miles Lawrence, who computed the verification statistics; Ms. Joan David, who drafted the track chart and pressure/time graphs; and Mrs. Karen Holmes and Gayle Shickel who typed the tables and manuscript.

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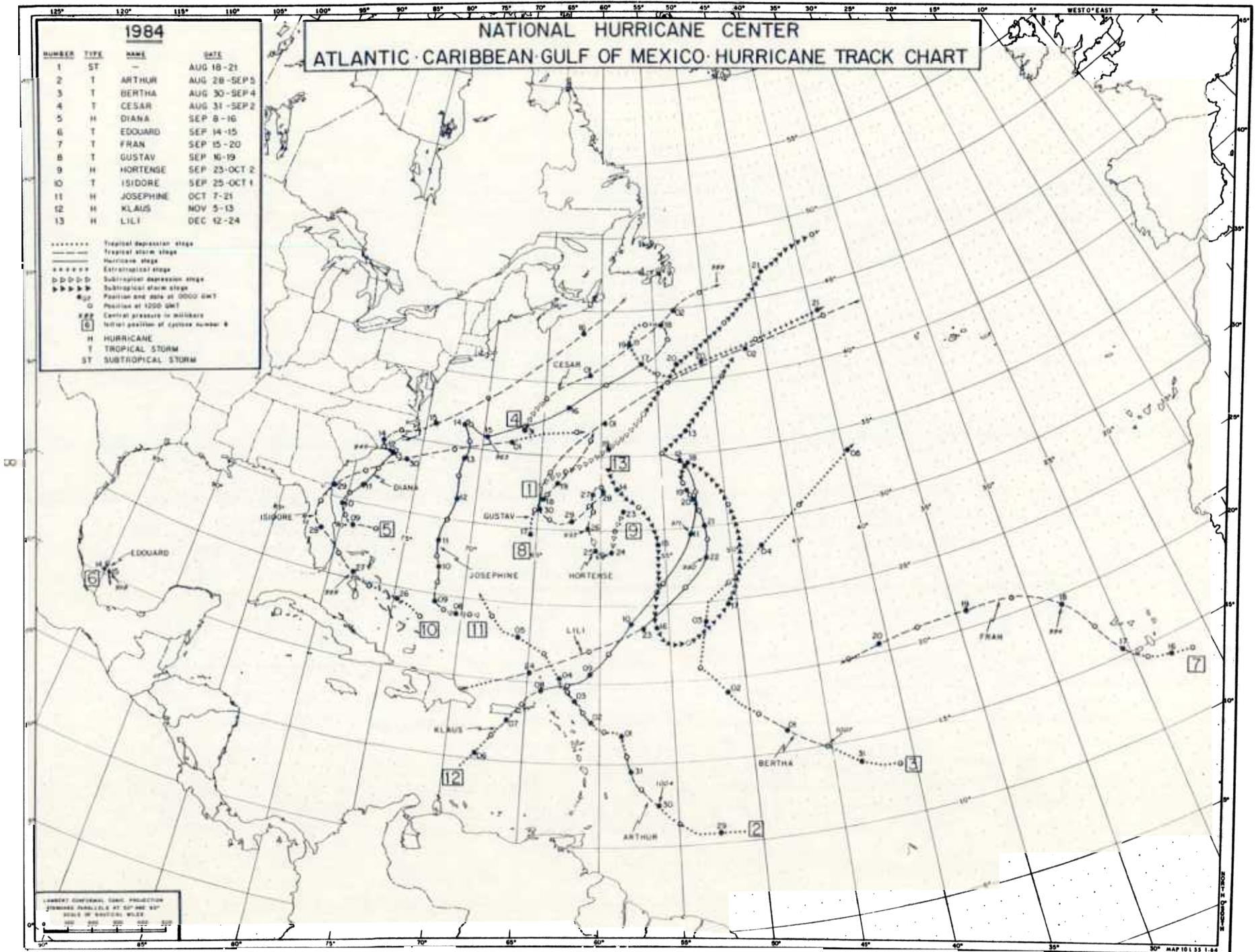


Figure 1. Tracks of 1984 tropical and subtropical cyclones.

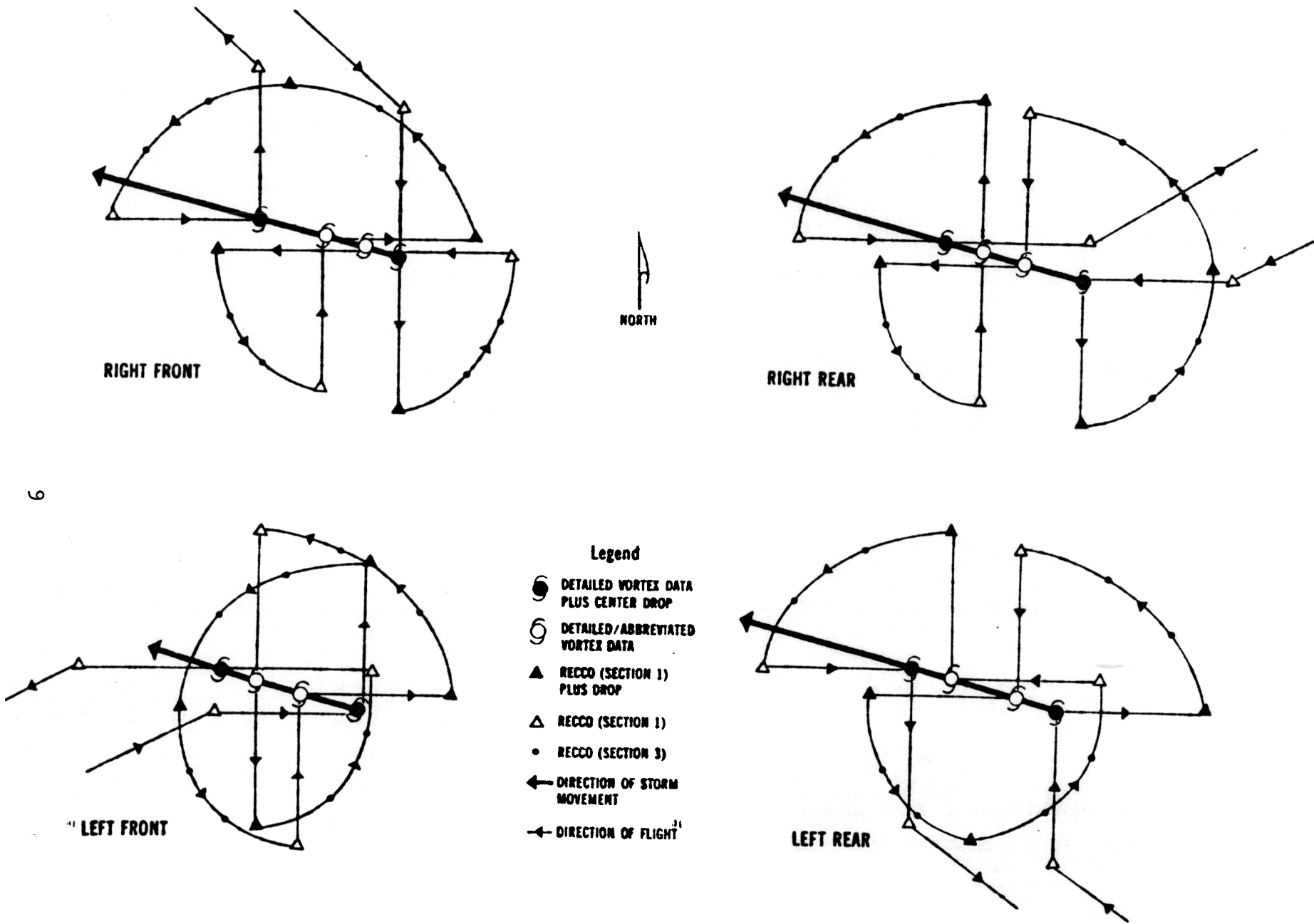
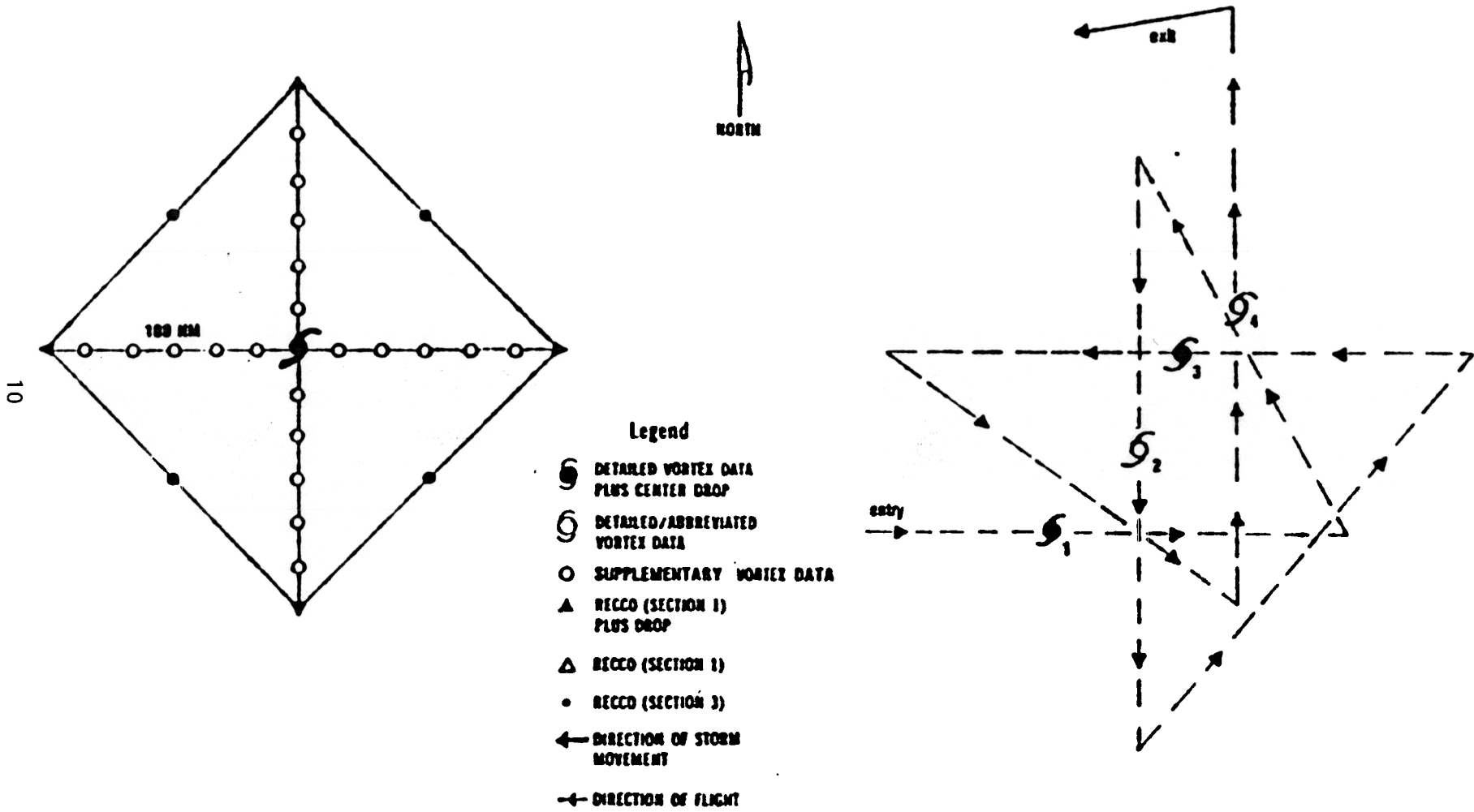


Figure 2a. Flight pattern "A" flown in obtaining Supplementary Vortex Data Message.

RECOMMENDED PATTERN "A" (MODIFIED) EXECUTION



Pattern may be entered on any leg

Figure 2b. Flight pattern "A" (modified) flown in obtaining Supplementary Vortex Data Message.

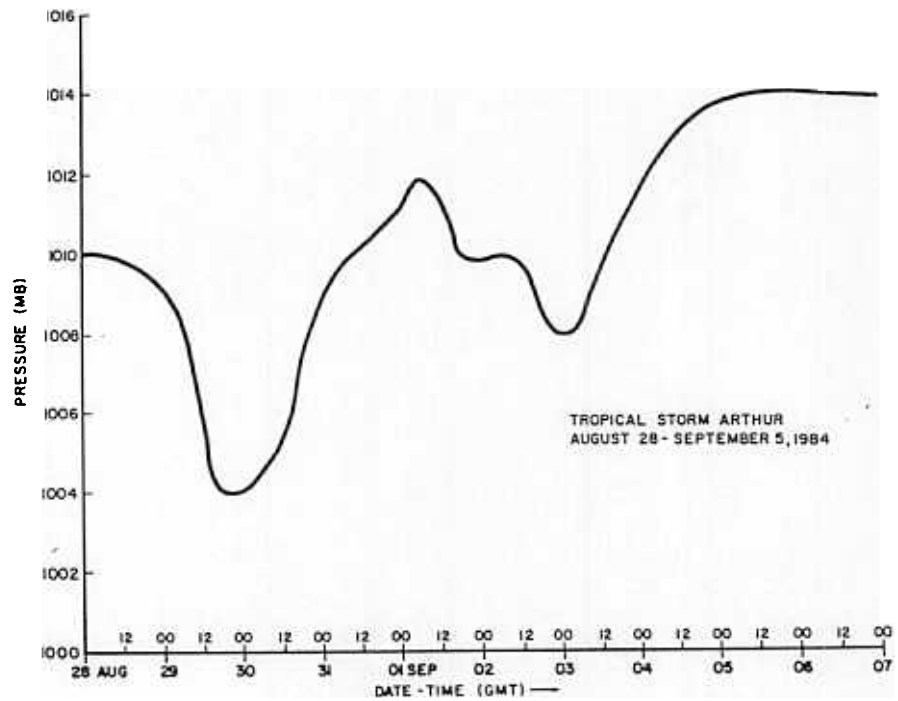
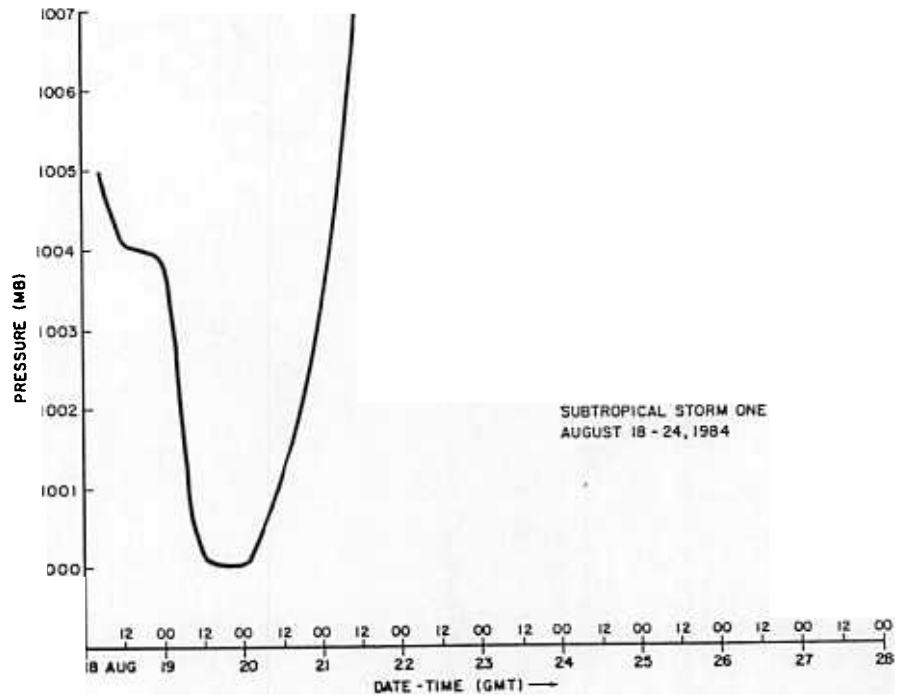


Figure 3. Lowest pressure vs time, 1984 tropical and subtropical cyclones.

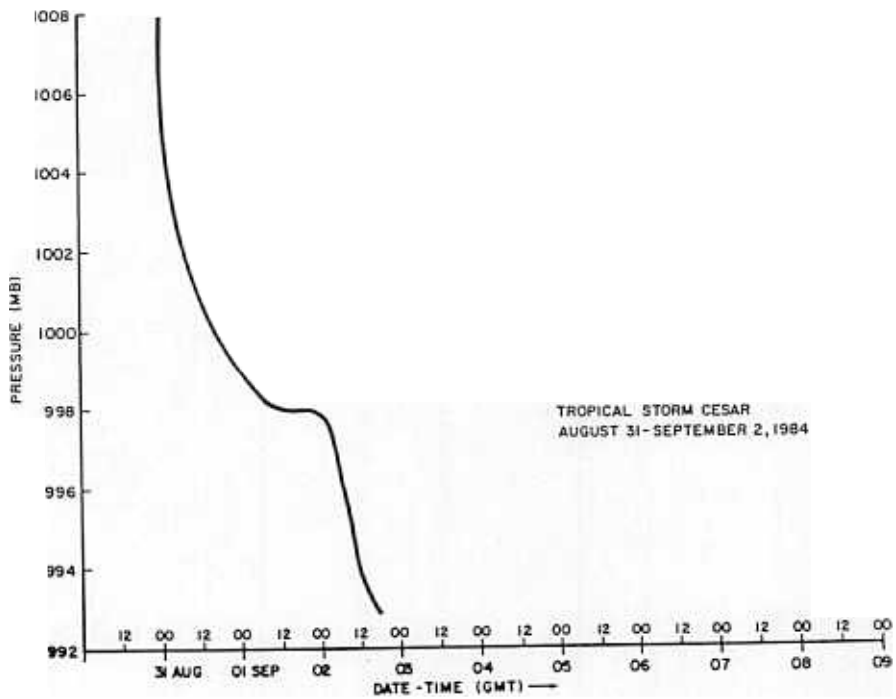
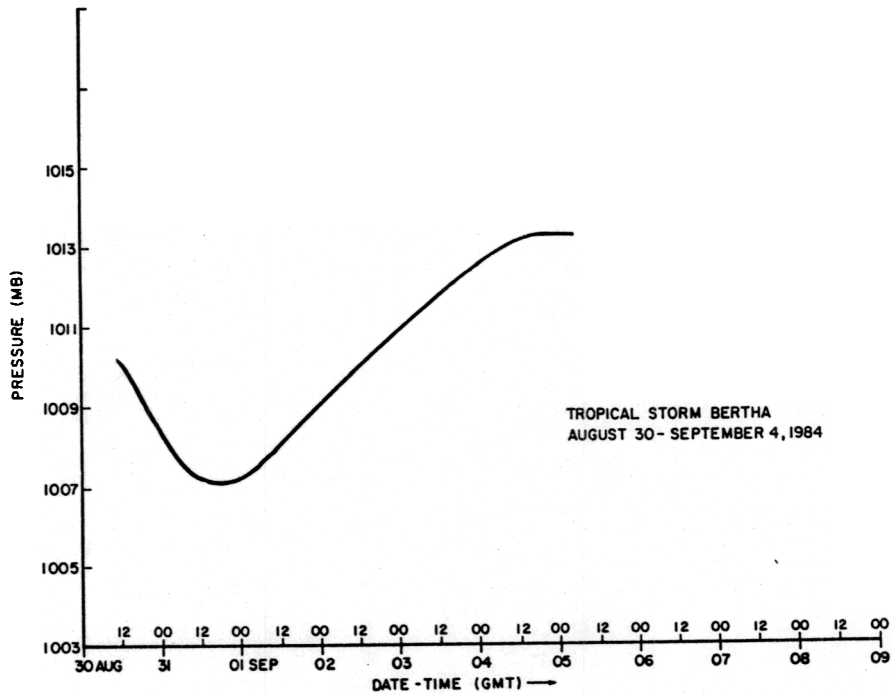


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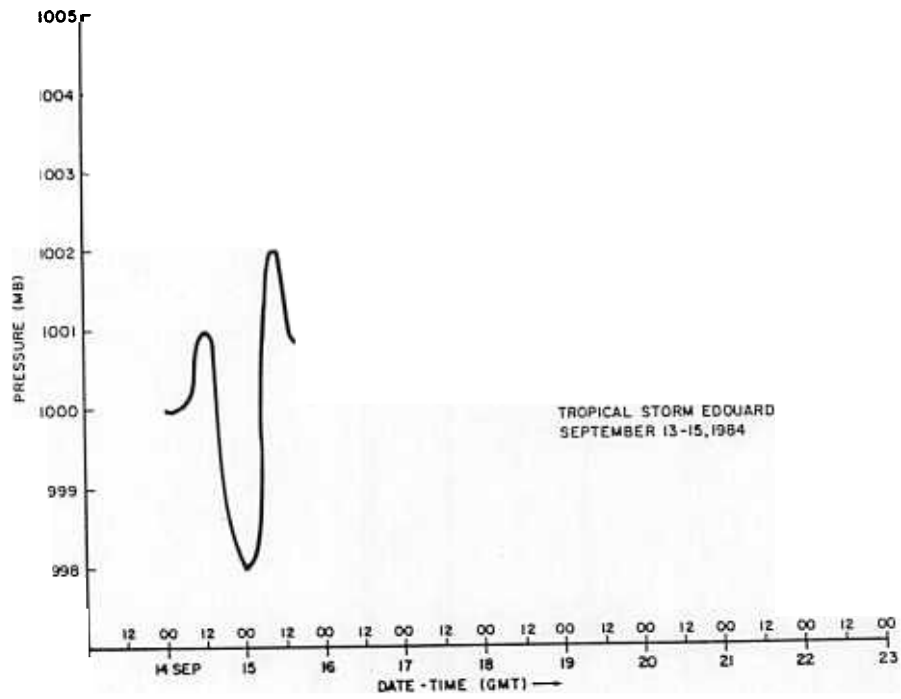
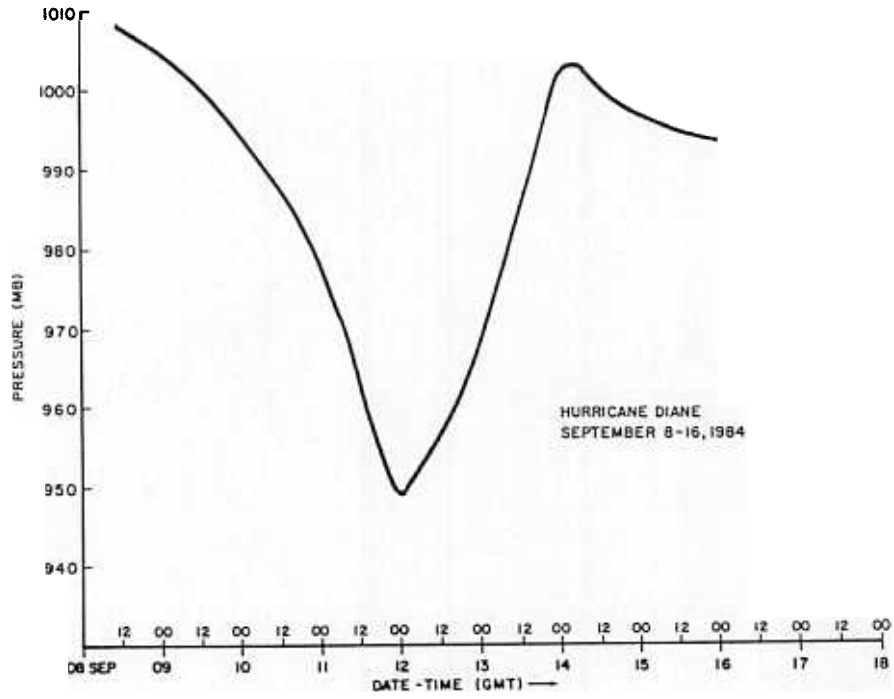


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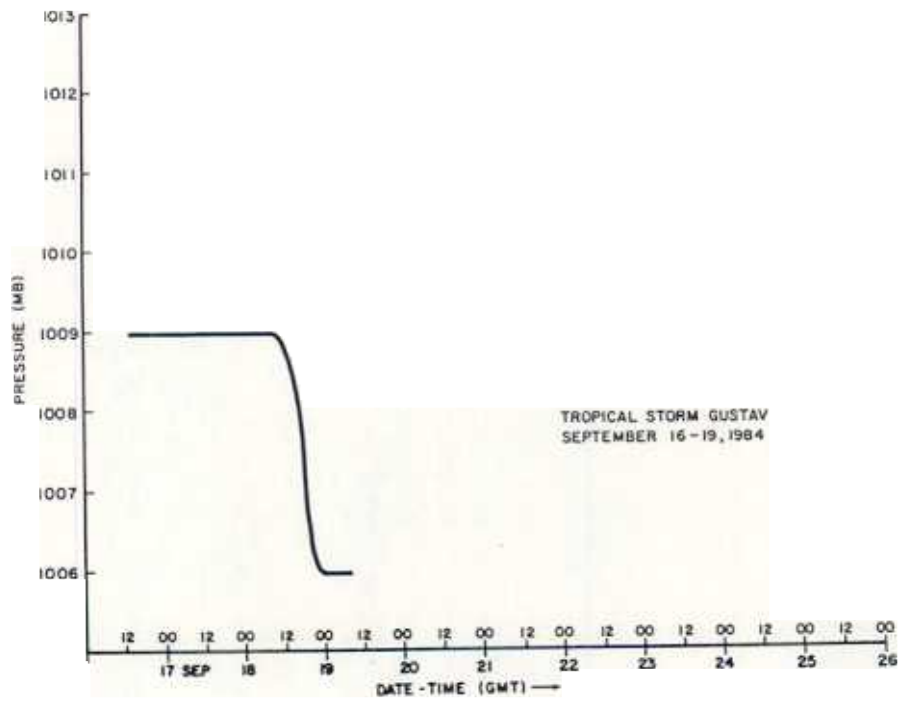
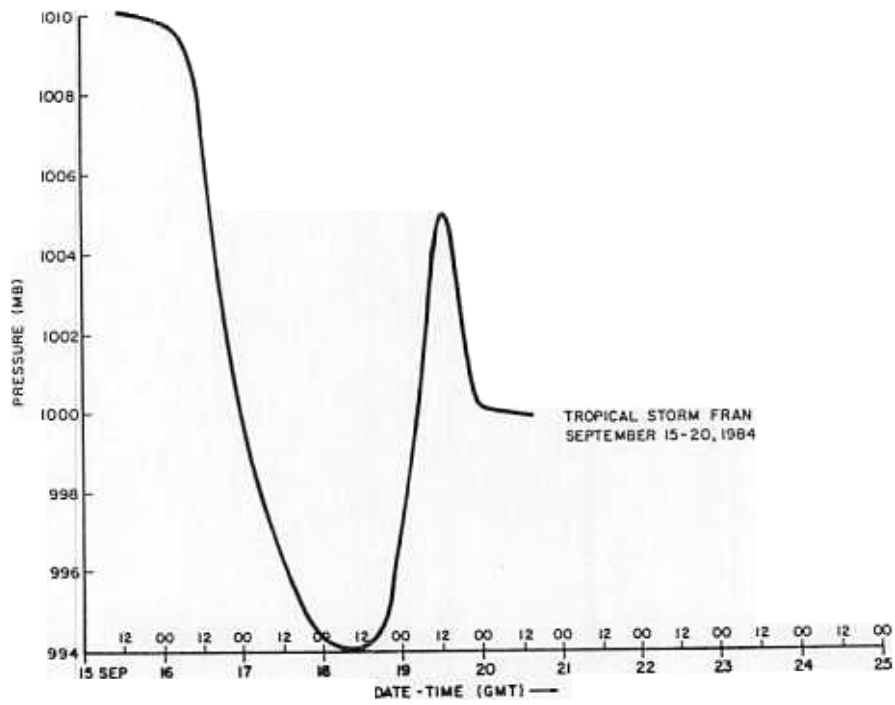


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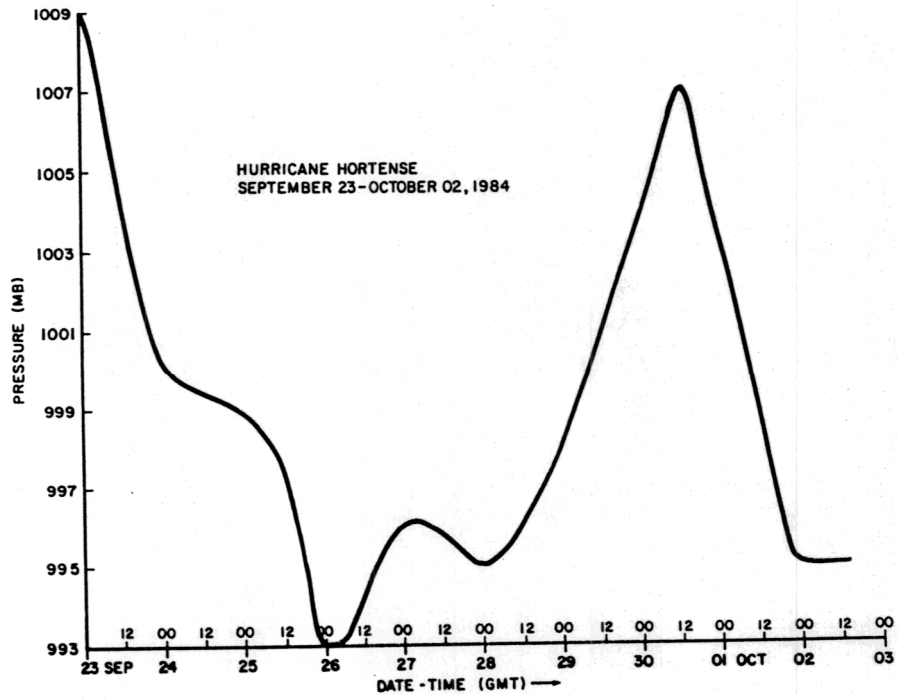
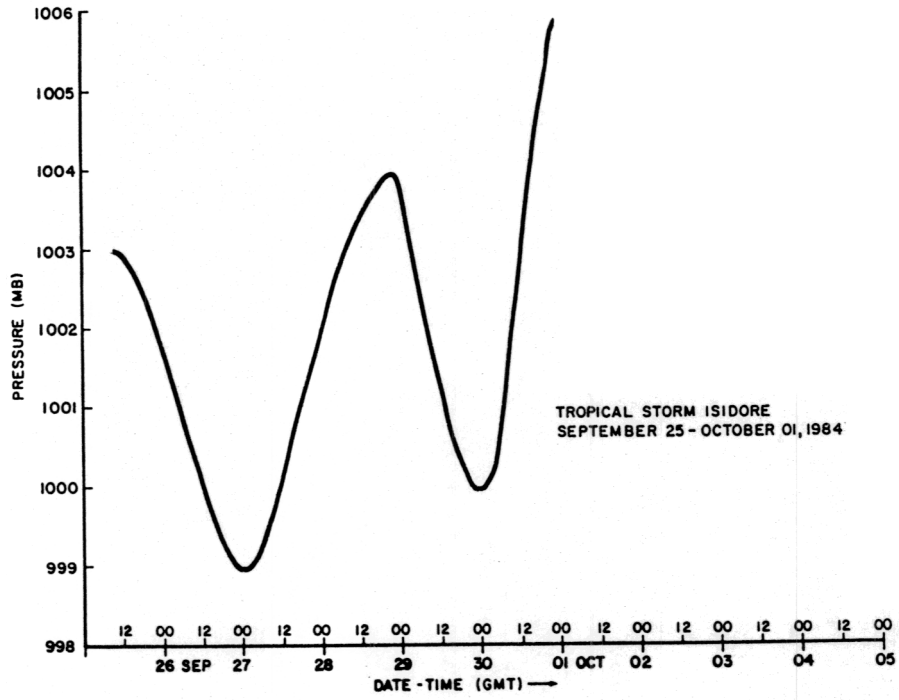


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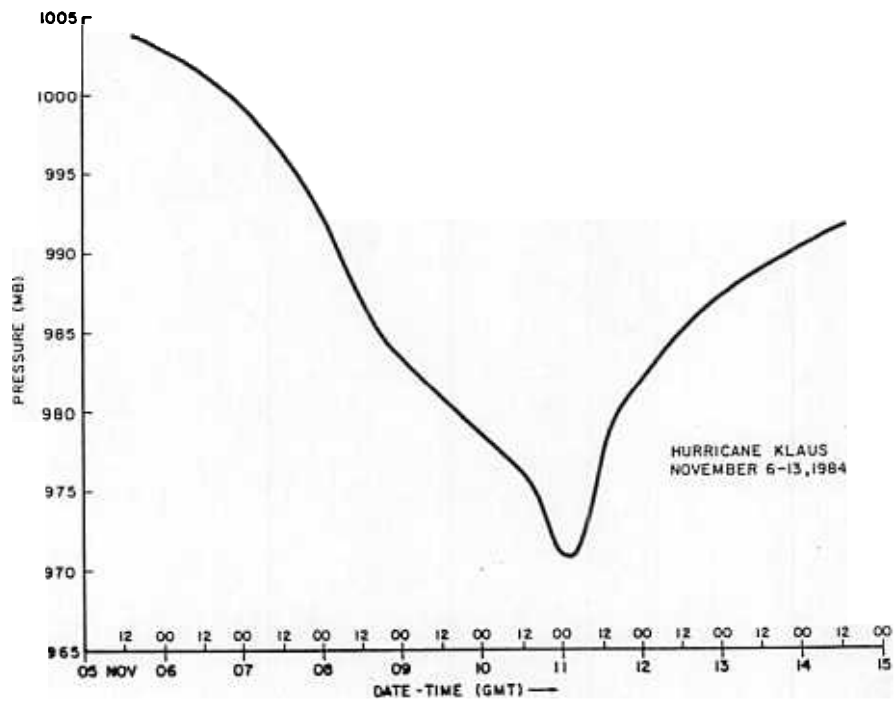
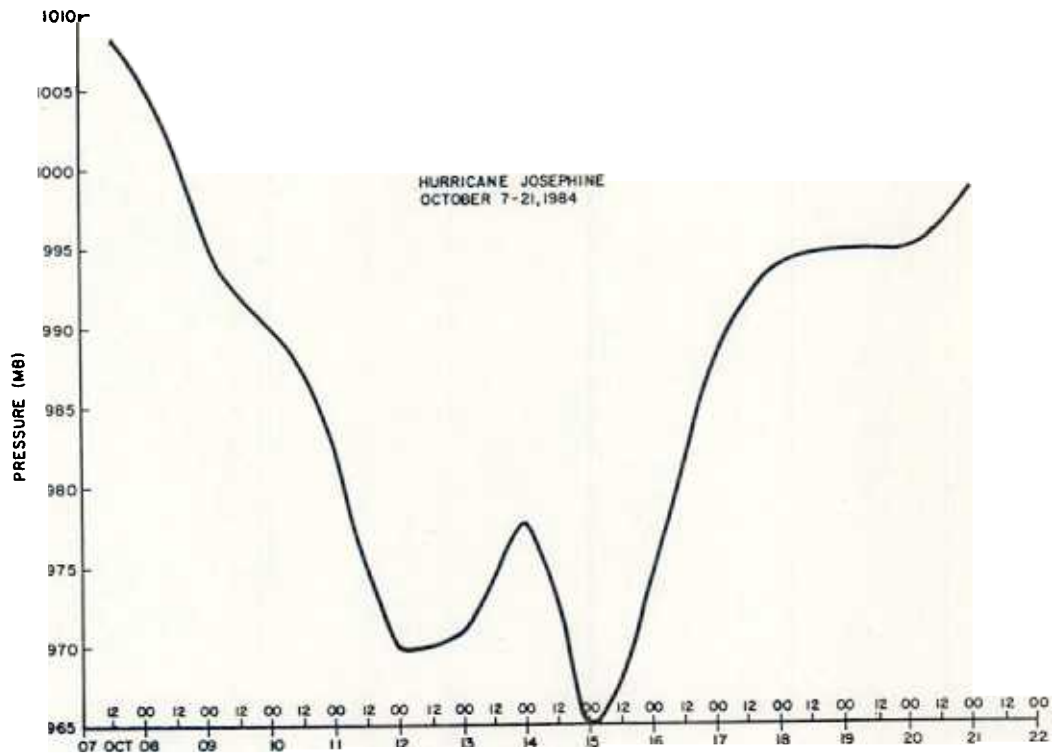
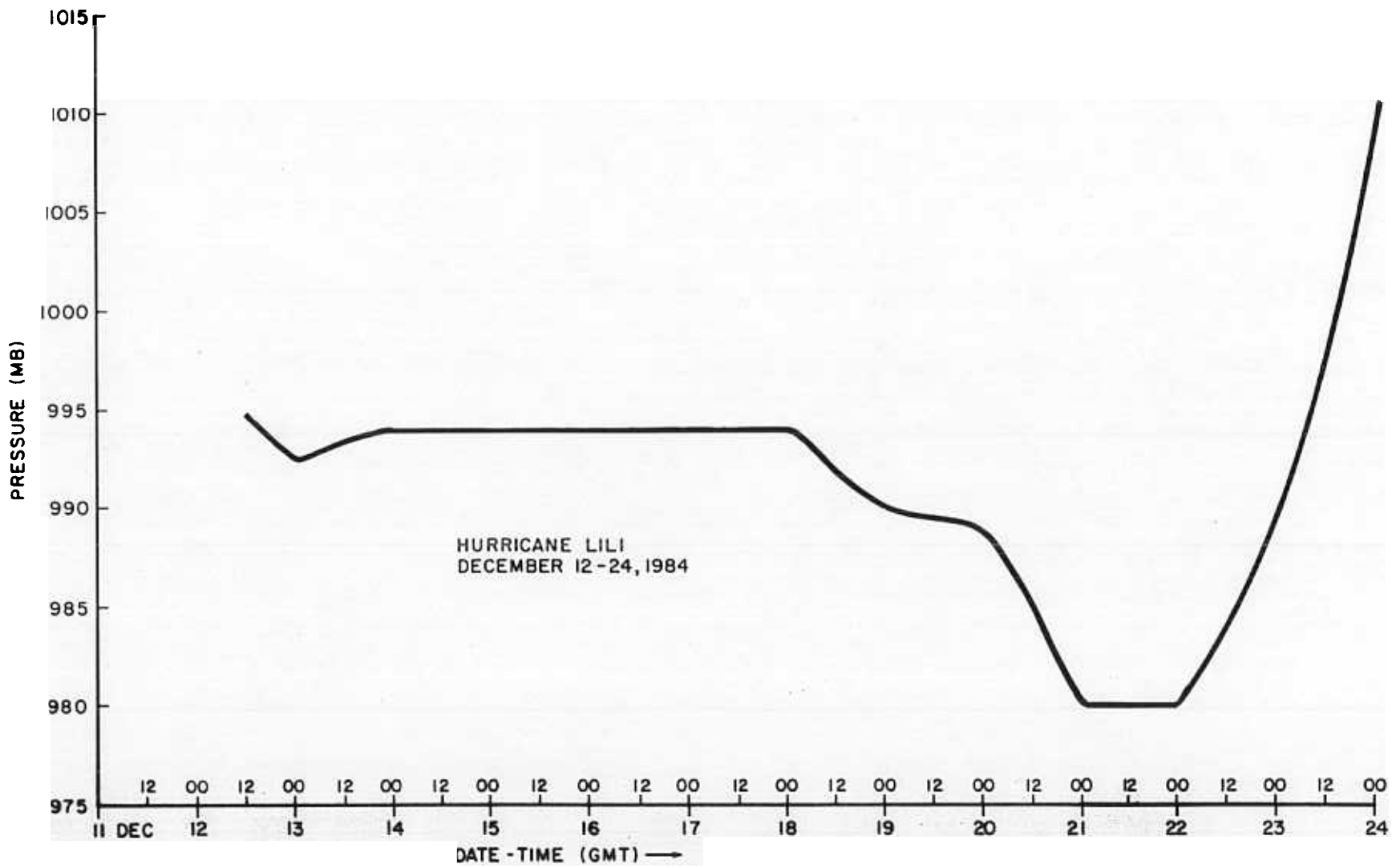


Figure 3 continued.

Figure 3 continued.

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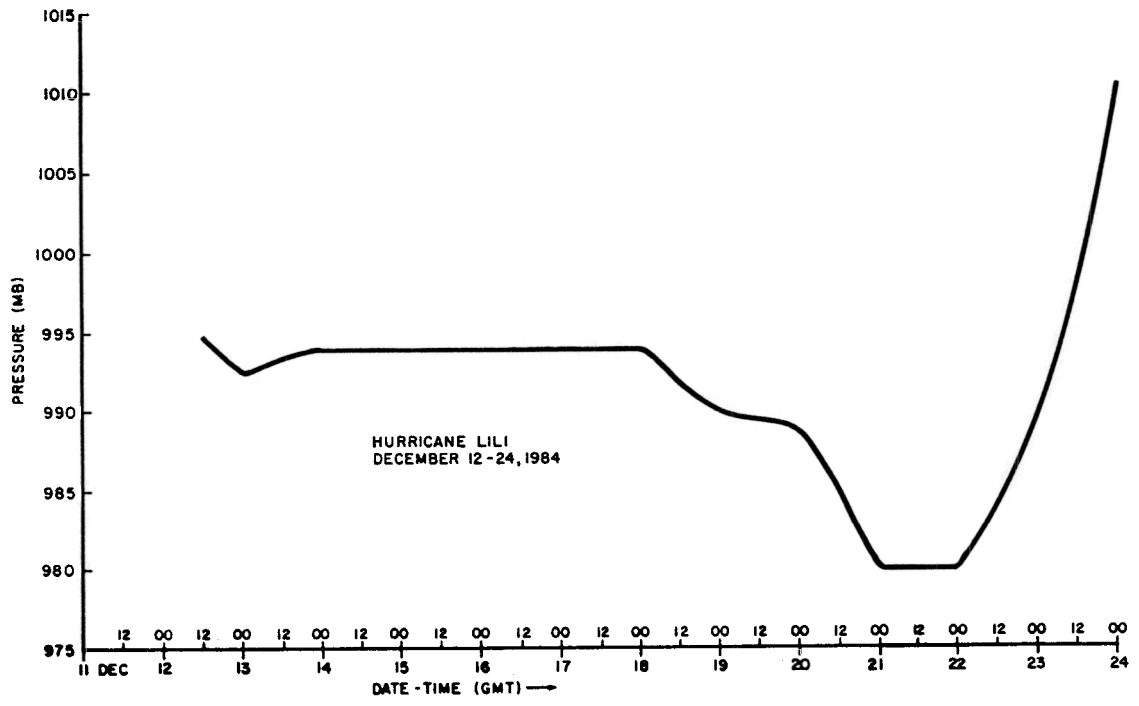


Figure 3 continued.

Figure 4. Daily satellite photographs of 1984 tropical and subtropical cyclones.

SUBTROPICAL
STORM



1600 GMT 8/18/84
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1900 GMT 8/19/84
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1530 GMT 8/20/84
1001 MB



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1011 MB



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1004 MB

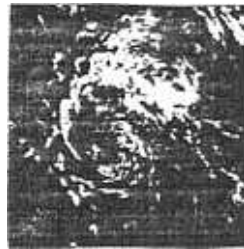


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1006 MB

ARTHUR



1800 GMT 8/31/84
1011 MB



1530 GMT 9/1/84
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1530 GMT 9/2/84
1009 MB



1230 GMT 9/3/84
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1530 GMT 9/4/84
1013 MB



1530 GMT 9/5/84
1014 MB



GM 30/84



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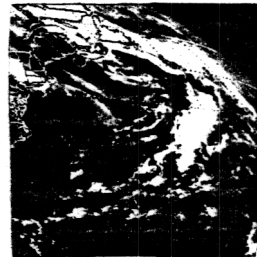
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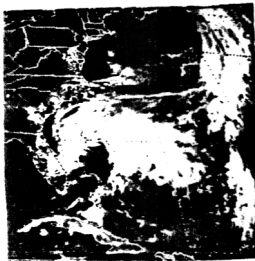


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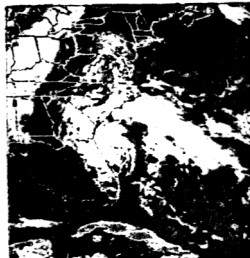


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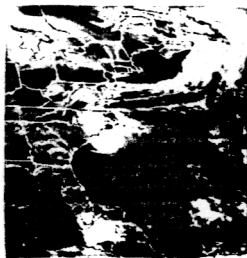
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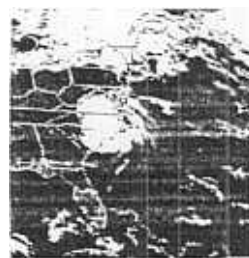
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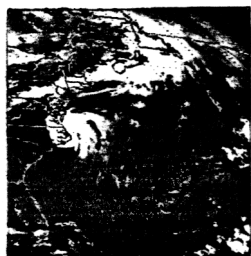
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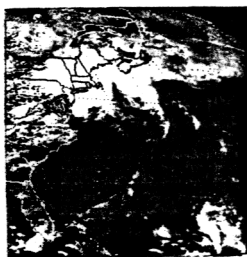
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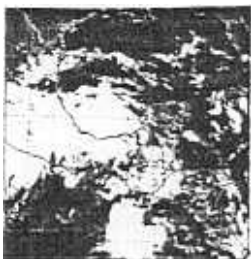


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EDOUARD



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1001 MB



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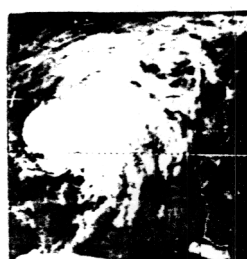
FRAN



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1500 GMT 9/17/84
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Figure 4 continued

FRAN CONT'D



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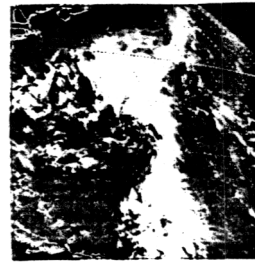
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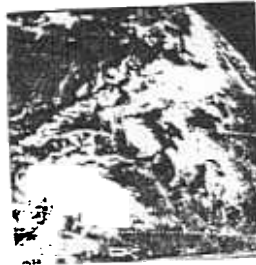
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HORTENSE

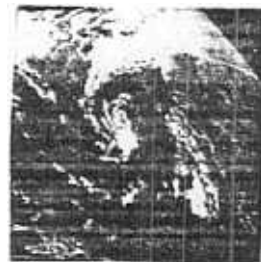
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HORTENSE CONT'D



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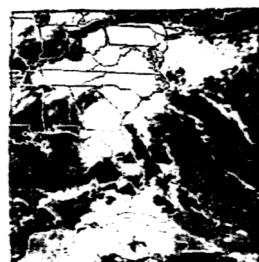


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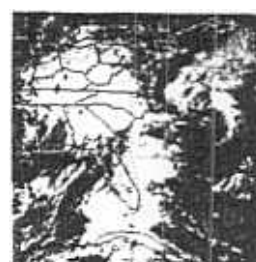
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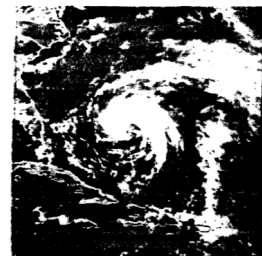
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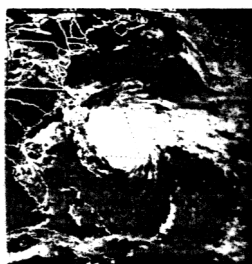
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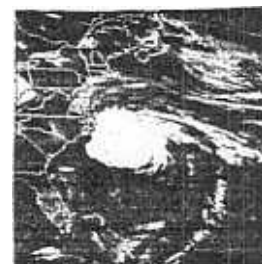
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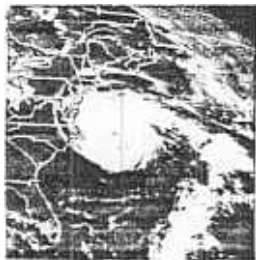


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976 MB

JOSEPHINE



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973 MB



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970 MB



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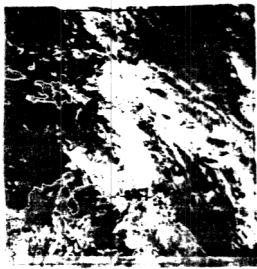
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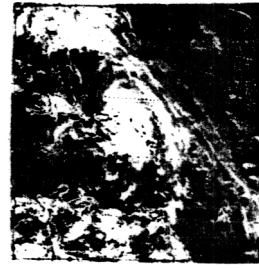
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1500 GMT 11/13/84
989 MB



1601 GMT 12/12/84
995



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1007

Table 1. Verification of 1984 tropical storm and hurricane forecasts.

Technique	Initial	Forecast period (hours)			
		12	24	48	72
Official (# of cases)	22 (175)	56 (175)	123 (150)	256 (117)	373 (84)
NHC67	20 (162)	55 (162)	134 (141)	343 (112)	567 (87)
NHC72	21 (174)	56 (174)	127 (151)	305 (118)	448 (89)
HURRAN	26 (74)	61 (74)	143 (64)	329 (41)	339 (20)
CLIPER	22 (175)	58 (175)	132 (152)	290 (118)	384 (89)
NHC73	19 (74)	53 (74)	127 (65)	271 (52)	410 (42)
SANBAR	20 (73)	58 (73)	131 (65)	290 (53)	394 (40)
MFM	12 (34)	74 (34)	104 (33)	123 (28)	216 (23)

Table 2a. Landfall prediction errors for 1984 tropical storms and hurricanes.

Following is a list of landfall prediction errors for tropical storms and hurricanes during 1984. Each error represents the distance (in nautical miles) from the predicted landfall point determined from the "Official" forecast issued 24 hours prior to landfall to the actual landfall point determined from the Best Track. Only tropical storms and hurricanes are included. In some cases the storm crossed an island when predicted to pass offshore. In such cases, the perpendicular distance from the landfall point to the forecast track is taken as the landfall prediction error.

Storm Name	Category at Landfall	Date/Time (Z) of Landfall	Landfall Forecast Error (n.m.)	Location and Remarks
DIANA	Hurricane	9/13/07Z	84	Near Southport, North Carolina
ISIDORE	Tropical Storm	9/27/15Z	85	Near Jupiter, Florida

Table 2b. Fifteen-year summary of errors in the prediction of the points of of Atlantic tropical storms and hurricanes during the period of 1970-1984.

	United States Landfalls	All Landfalls
1984 Mean 24 Hour Landfall Prediction Error (number of cases)	85 (2)	85 (2)
15 year average 1970-1984	45 n.mi. (25)	52 n.mi (60)

Table 3a. Tropical cyclone warning lead time of 1984 United States landfalling tropical storms and hurricanes.

Storm Name	Category at Landfall	Date/Time (z) of Landfall	Location of Landfall	Type and Time (z) of warnings issued for point of landfall	Warning lead time (hours)
ARTHUR	(No U.S. Landfall)				
BERTHA	(No U.S. Landfall)				
CESAR	(No U.S. Landfall)				
DIANA	Hurricane	9/13/07Z	Near Southport, North Carolina	Gale Warnings, South of Virginia Beach, VA, to Cape Canaveral, FL, 9/8/19Z	108
				Hurricane Warnings, North of Brunswick, GA, to Oregon Inlet NC, including Pamlico Sound 9/10/13Z	66
				Gale Warnings, Myrtle Beach, SC, to Cape Romain, SC, 9/13/06Z (After being discontinued at 9/12/10Z)	1
				Gale Warnings, North of Wilmington, NC through Cape Lookout, NC, 9/13/10Z	After Landfall
				Gale Warnings, Cape Lookout, NC, to Chincoteague, VA, 9/14/10Z	After Landfall
EDOUARD	(No U.S. Landfall)				
FRAN	(No U.S. Landfall)				
GUSTAV	(No U.S. Landfall)				
HORTENSE	(No U.S. Landfall)				
SIDORE	Tropical Storm	9/27/15Z	Near Jupiter Florida	Gale Warnings, Cape Canaveral, FL to Key West, FL, including Dry Tortugas, 9/26/14Z	25
				Gale Warnings Jupiter Inlet, FL to Fernandina Beach, FL, 9/27/19Z	After Landfall
				Gale Warnings, Everglades City, FL to Apalachicola, FL, 9/28/0230Z	After Landfall
				Gale Warnings, Fernandina Beach, FL to Savannah, GA, 9/28/07Z	After Landfall

Gale Warnings, Savannah, GA to Little River Inlet, SC, 9/28/22Z	After Landfall
Gale Warnings, River Inlet, SC to Oregon Inlet, NC, 9/29/10Z	After Landfall
Gale Warnings, Oregon Inlet, NC to Chincoteague, VA, 9/30/04Z	After Landfall

JOSEPHINE (No U.S. Landfall)

KLAUS	Tropical Storm	11/7/10Z	Over Virgin Islands	Gale Warnings, Puerto Rico, the Virgin Islands and the Netherland Antilles of the Leeward Islands, 11/06/22Z	12
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Table 3b. Average warning lead times for all tropical storms and hurricanes and for hurricanes alone, which made landfall on the mainland of the United States during 1984 and during the 15 year period of 1970-1984.

30

	All Tropical Storms and Hurricanes		All Hurricanes	
	1984	1970-1984	1984	1970-1984
Average Lead Time (hours)	50	24	66	26
(number cases)	(2)	(31)	(1)	(13)

Table 4. Summary of North Atlantic Tropical Cyclone Statistics, 1984

Cyclone Number	Name	1 Class	2 Dates	Maximum Sustained Wind (kt)	Lowest Pressure (mb)	U.S. Damage (\$millions)	Deaths
1		ST	8/18- 8/21	50	1000		
2	Arthur	T	8/28- 9/05	45			
3	Bertha	T	8/30- 9/04	35			
4	Cesar	T	8/31- 9/02	50			
5	Diana	H	9/08- 9/16	115	949	65	3
6	Edouard	T	9/14- 9/15	55	998		
7	Fran	T	9/15- 9/20	55	994		
8	Gustav	T	9/16- 9/19	45	1006		
9	Hortense	H	9/23-10/02	65	993		
10	Isidore	T	9/25-10/01	50	999	1	1
11	Josephine	H	10/07-10/21	90			
12	Klaus	H	11/06-11/13	80	971		
13	Lili	H	12/12-12/24	70			

1
T: tropical storm, wind speed 34 - 63 kt.
H: hurricane, wind speed 64 kt or higher.
ST: subtropical storm, wind speed 34 - 63 kt.

2
The day begins at 0000 GMT.

Table 5. Best tracks, initial and forecast positions, initial position error and forecast errors for 1984 tropical cyclones.

TROPICAL STORM ARTHUR 28 AUGUST - 9 SEPTEMBER 1984

DATE/TIME (GMT)	BEST TRACK		OPERATIONAL POSITION		POSITION ERROR (N.M.I.)	12-HR. FORECAST ERROR			24-HR. FORECAST ERROR			48-HR. FORECAST ERROR			72-HR. FORECAST ERROR		
	LAT. (N)	LONG. (W)	LAT. (N)	LONG. (W)		LAT. (N)	LONG. (W)	(N.M.I.)	LAT. (N)	LONG. (W)	(N.M.I.)	LAT. (N)	LONG. (W)	(N.M.I.)	LAT. (N)	LONG. (W)	(N.M.I.)
2912	11.2	55.0	10.8	55.0	38	11.3	58.0	82	12.0	61.0	191	13.5	67.0	490	15.0	73.0	
2918	11.8	55.8	11.8	56.0	12	12.5	59.0	110	13.0	62.0	241	14.5	68.0		16.5	74.0	
3000	12.4	56.3	12.3	57.0	41	13.0	58.5	30	14.0	60.5	106	15.5	64.0		17.0	70.0	
3006	13.0	57.0	12.8	57.3	21	13.9	58.9	47	15.0	60.5	124	17.0	64.0		18.0	68.0	
3012	13.4	57.4	13.5	57.6	13	14.7	59.0	48	16.0	61.0	154	18.0	64.5		19.5	68.0	
3018	14.0	57.8	14.1	58.1	18	15.3	59.2	52	16.5	60.5		19.0	63.0		21.0	66.0	
3100	14.4	58.0	14.5	58.0	6	15.5	58.2	6	16.5	59.0		18.0	61.0		20.0	63.0	
3106	14.8	58.1	14.7	57.7		15.7	58.0		16.5	58.5		18.5	60.5		20.5	64.5	
3112	15.3	58.2	15.3	58.0		16.0	58.6		17.0	59.0		18.5	60.5		20.0	62.5	
MEAN VECTOR ERRORS (N.M.)					21	53			163			490					
NUMBER OF CASES					7	7			5						0		

Table 5. Continued.

TROPICAL STORM BERTHA 30 AUGUST - 4 SEPTEMBER 1984

DATE/TIME (GMT)	BEST TRACK		OPERATIONAL POSITION		POSITION ERROR (N.MI.)	12-HR. FORECAST ERROR			24-HR. FORECAST ERROR			48-HR. FORECAST ERROR			72-HR. FORECAST ERROR		
	LAT. (N)	LONG. (W)	LAT. (N)	LONG. (W)		LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)
3112	14.9	45.3	15.0	45.2	8	16.0	48.5	57	175	52.0		19.5	55.5		21.0	58.0	
3118	15.7	46.6	16.8	46.6	66	16.5	48.2	100	18.0	51.5		20.0	55.0		22.0	58.0	
0100	16.3	47.7	16.1	47.0		17.0	48.5		18.0	50.0		20.0	53.0		22.0	56.0	
0106	17.0	48.7	16.6	48.1		17.5	49.5		18.5	51.0		20.5	53.5		22.5	55.5	
MEAN VECTOR ERRORS (N.MI.)					37	79											
NUMBER OF CASES					2	2			0			0					

Table 5. Continued.

TROPICAL STORM CESAR 31 AUGUST - 2 SEPTEMBER 1984

DATE/TIME (GMT)	BEST TRACK		OPERATIONAL POSITION		POSITION ERROR (N.MI.)	12-HR. FORECAST ERROR			24-HR. FORECAST ERROR			48-HR. FORECAST ERROR			72-HR. FORECAST ERROR		
	LAT. (N)	LONG. (W)	LAT. (N)	LONG. (W)		LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)
<u>3118</u>	<u>39.8</u>	<u>63.1</u>	<u>40.0</u>	<u>64.7</u>	<u>75</u>	<u>43.0</u>	<u>62.0</u>	<u>91</u>	<u>45.5</u>	<u>59.0</u>	<u>132</u>	<u>49.0</u>	<u>47.0</u>				
0100	40.6	61.1	41.0	61.3	26	45.0	59.0	131	47.0	55.0	120	50.0	46.0				
0106	41.7	59.0	42.0	60.0	48	45.0	56.0	42	48.5	55.0							
0112	42.9	56.9	43.6	56.3	50	48.0	51.0	160									
0118	44.0	54.9	44.4	54.4		48.0	48.0										
0200	44.9	53.3	45.0	52.0													
MEAN VECTOR ERRORS (N.MI.)					49			106			126						
NUMBER OF CASES					4			4			2			0			0

Table 5. Continued.

HURRICANE DIANA 8 - 16 SEPTEMBER 1984

DATE/TIME (GMT)	BEST TRACK		OPERATIONAL POSITION		POSITION ERROR (N.MI.)	12-HR. FORECAST ERROR			24-HR. FORECAST ERROR			48-HR. FORECAST ERROR			72-HR. FORECAST ERROR		
	LAT. (N)	LONG. (W)	LAT. (N)	LONG. (W)		LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)
0818	28.6	78.3	28.5	78.0	17	29.0	80.0	44	30.0	81.5	98	32.5	80.0	114	35.0	76.0	132
0900	28.5	79.2	28.5	79.3	5	29.0	81.0	53	30.0	82.0	80	32.5	81.5	138			
0906	28.6	79.7	28.3	79.7	18	28.9	81.0	49	30.0	81.5	64	31.0	81.0	122	32.0	80.0	166
0912	29.0	79.9	29.0	79.9	0	30.3	80.5	36	31.7	80.3	74	34.0	77.0	110	36.0	73.0	239
0918	29.4	80.1	29.6	80.4	20	31.0	81.2	52	32.0	80.0	60	34.5	76.5	105	36.5	72.0	312
1000	29.7	80.4	29.8	80.5	8	30.5	80.5	22	32.0	80.0	54	34.5	76.5	71	36.5	72.0	301
1006	30.1	80.3	30.1	80.2	5	31.5	79.8	45	33.0	79.0	75	35.5	76.5	98	36.5	74.5	225
1012	30.5	80.0	30.6	80.0	6	31.7	79.5	27	32.5	78.5	13	34.0	77.0	12	35.0	76.0	126
1018	30.8	79.6	30.8	79.6	0	31.5	79.0	24	32.5	78.0	54	34.0	76.5	31	35.0	75.5	154
1100	31.3	79.1	31.3	79.2	5	32.1	78.6	30	32.8	77.8	66	34.2	76.2	69	35.5	75.0	185
1106	31.8	78.7	31.8	78.7	0	33.0	78.0	24	34.0	77.5	5	35.0	77.0	80	36.0	76.5	95
1112	32.6	78.4	32.5	78.5	8	33.8	78.3	25	35.0	78.0	75	36.0	79.0	129			
1118	33.4	78.0	33.2	78.0	12	34.5	77.5	42	36.0	77.5	139	38.0	78.0	235			
1200	33.9	77.7	33.8	77.7	6	35.0	77.0	67	36.0	76.5	145	37.0	77.0	167			
35 1206	34.0	77.4	34.0	77.5	5	34.5	77.0	37	35.5	76.0	138	36.5	76.5	119			
1212	34.0	77.2	34.0	77.1	5	34.0	77.0	19	34.0	77.0	60	34.5	76.5	54	36.0	75.0	274
1218	33.9	77.1	34.0	77.2	8	33.7	77.4	35	33.5	77.5	77	35.0	76.0	42	37.0	73.0	405
1300	33.8	77.4	33.8	77.4	0	33.8	78.0	19	33.8	78.5	48	35.0	76.5	125	37.0	73.0	
1306	33.9	77.9	33.9	77.9	0	34.0	79.0	31	34.0	80.0	116	36.0	78.0	265	37.5	73.0	
1312	34.0	78.3	34.0	78.3	0	34.3	79.0	31	34.5	79.5	128	36.5	76.0	297	38.0	70.0	
1318	34.3	78.5	34.2	78.4	8	35.0	79.0	54	36.0	78.0	107	37.5	73.5	408	39.0	66.0	
1400	34.6	78.5	34.7	78.5	6	35.6	77.8	36	36.5	77.0	126	38.0	73.0		39.0	67.5	
1406	35.0	78.0	35.5	78.0	30	35.5	75.9	36	36.0	74.0	120	38.0	70.0		40.0	65.0	
1412	35.3	77.1	35.2	77.3	11	35.5	75.5	57	36.0	73.0	187	36.5	66.5		38.0	61.0	
1418	35.6	76.0	35.4	76.0	12	36.2	73.5	62	37.5	71.5	324	41.0	66.0		44.0	60.0	
1500	36.2	74.4	36.1	74.2	11	37.0	70.5	86	38.0	67.0		41.0	60.5		45.0	53.0	
1506	37.2	72.7	37.0	72.5	15	40.0	67.0	73	44.0	60.0		52.0	47.0				
1512	38.5	70.3	38.6	70.5		42.5	64.0		46.0	59.0		54.0	48.0				
1518	41.0	66.0	41.0	65.2		47.0	57.0										
MEAN VECTOR ERRORS (N.MI.)					8	41			97			133			218		
NUMBER OF CASES					27	27			25			21			12		

Table 5. Continued.

TROPICAL STORM EDOUARD 14 15 SEPTEMBER 1984

DATE/TIME (GMT)	BEST TRACK		OPERATIONAL POSITION		POSITION ERROR (N.MI.)	12-HR. FORECAST ERROR			24-HR. FORECAST ERROR			48-HR. FORECAST ERROR			72-HR. FORECAST ERROR		
	LAT. (N)	LONG. (W)	LAT. (N)	LONG. (W)		LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)
1406	20.5	96.2	20.5	96.5	17	21.3	97.0	62	22.0	98.0							
1412	20.7	96.1	21.0	96.5	29	21.3	96.1	42	21.8	96.1		23.0	96.1		24.3	96.1	
1418	20.5	96.0	20.5	96.0		20.7	96.0		21.0	96.0		23.0	96.0		25.0	96.0	
1500	20.3	95.8	20.4	95.8		20.5	96.0		22.0	96.5		24.0	98.0		26.0	99.5	
MEAN VECTOR ERRORS (N.MI.)					23	52											
NUMBER OF CASES					2	2			0			0			0		

Table 5. Continued.

TROPICAL STORM FRAN 15 20 SEPTEMBER 1984

DATE/TIME (GMT)	BEST TRACK		OPERATIONAL POSITION		POSITION ERROR (N.MI.)	12-HR. FORECAST ERROR			24-HR. FORECAST ERROR			48-HR. FORECAST ERROR			72-HR. FORECAST ERROR								
	LAT. (N)	LONG. (W)	LAT. (N)	LONG. (W)		LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)						
1618	14.8	24.8	14.3	24.4	38	14.5	25.5	78	14.5	26.5	204	14.7	28.5	418	15.0	30.5	585						
1700	15.3	25.3	14.5	25.0	51	14.7	28.5	171	15.0	31.0	292	15.3	34.0	300	15.5	37.0	318						
1706	16.3	26.0	16.5	26.5	31	16.0	27.0	160	17.0	29.0	213	19.0	33.0	237	21.0	37.0							
1712	17.3	26.5	16.5	26.5	48	18.0	27.5	51	19.0	29.0	131	21.0	32.5	308	28.0	36.0							
1718	18.4	27.1	18.0	28.0	57	19.0	30.0	56	20.0	32.0	104	22.0	36.0	264	25.0	39.0							
1800	19.5	28.0	19.0	27.5	41	21.0	30.0	46	23.0	32.0	176	26.0	36.0	428	30.0	37.0							
1806	20.2	29.6	20.0	29.0	36	21.5	31.0	76	23.0	33.0	188	26.0	37.0		30.0	40.0							
1812	20.9	31.0	21.0	32.0	56	22.0	33.5	111	23.0	35.5	224	26.0	39.0		31.0	42.0							
1818	21.1	32.8	21.4	33.0	21	22.5	36.5	74	23.5	39.5	144	28.0	43.5		31.0	43.5							
1900	21.1	34.3	21.8	34.2	42	22.5	37.5	57	23.0	41.0	110	28.0	44.0		34.0	44.0							
1906	21.0	36.0	21.2	35.0	57	21.3	37.0	86	21.5	39.5		23.0	43.0		25.0	46.0							
1912	20.9	37.9	21.2	37.7	21	21.3	41.1	45	21.5	44.5		24.0	50.5		29.0	52.0							
1918	20.8	39.5	20.8	39.5		21.0	42.5		21.5	45.7		23.5	51.5		28.0	56.0							
2000	20.5	40.7	20.8	41.0		21.0	44.0		21.5	47.0		24.0	52.0		29.0	57.0							
MEAN VECTOR ERRORS (N.MI.)					42						179						326						452
NUMBER OF CASES					12						10						6						2

Table 5. Continued.

TROPICAL STORM GUSTAV 16 - 19 SEPTEMBER 1984

DATE/TIME (GMT)	BEST TRACK		OPERATIONAL POSITION		POSITION ERROR (N.MI.)	12-HR. FORECAST ERROR			24-HR. FORECAST ERROR			48-HR. FORECAST ERROR			72-HR. FORECAST ERROR		
	LAT. (N)	LONG. (W)	LAT. (N)	LONG. (W)		LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)
1818	32.1	64.7	32.5	64.5	26	32.5	64.5	183	34.0	64.0		37.0	60.0		43.0	52.0	
1900	33.2	63.6	33.0	63.6		34.5	62.5		35.5	61.5		40.0	57.5		46.0	53.0	
1906	34.6	62.6	33.3	63.0		34.0	62.0		35.0	60.5		38.0	57.0		43.0	52.0	
MEAN VECTOR ERRORS (N.MI.)					26	183											
NUMBER OF CASES					1	1			0			0			0		

Table Continued.

HURRICANE HORTENSE 23 SEPTEMBER - 2 OCTOBER 1984

DATE/TIME (GMT)	BEST TRACK		OPERATIONAL POSITION		POSITION ERROR (N.MI.)	12-HR. FORECAST ERROR			24-HR. FORECAST ERROR			48-HR. FORECAST ERROR			72-HR. FORECAST ERROR		
	LAT. (N)	LONG. (W)	LAT. (N)	LONG. (W)		LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)
2418	28.5	60.1	28.5	60.1	0	28.5	60.7	29	28.5	61.5	81	31.0	62.0	82	33.0	62.0	111
2500	28.7	60.3	28.5	60.5	16	29.0	61.0	12	30.0	62.0	36	32.0	63.0	102	34.0	63.0	171
2506	28.9	60.4	29.0	60.5	8	29.5	60.7	21	30.0	61.0	54	31.5	61.5	96	33.0	61.5	71
2512	29.3	60.6	29.3	60.6	0	29.7	61.5	37	30.5	61.5	63	33.0	61.0	50	36.0	59.0	277
2518	29.7	60.8	29.7	60.8	0	30.6	61.4	24	31.8	61.5	33	34.0	61.0	89	37.0	57.0	424
2600	30.2	61.1	30.1	61.2	8	31.3	61.0	12	32.5	60.5	24	35.5	58.0	200	38.0	54.0	616
2606	30.8	61.0	30.7	61.1	8	32.0	61.0	6	33.0	60.5	19	35.5	58.0	229	38.0	54.0	648
2612	31.3	60.7	31.2	60.9	12	33.0	60.5	49	34.0	60.0	67	36.0	57.0	337	38.0	50.0	834
2618	32.0	60.9	32.0	60.9	0	33.0	60.0	28	34.0	59.0	77	37.0	55.0	486	39.0	49.0	910
2700	32.4	60.8	32.2	61.5	37	32.5	62.5	93	33.0	63.0	125	34.5	63.0	246	36.0	62.0	342
2706	32.8	60.5	32.3	61.0	39	33.3	60.2	54	34.2	59.6	154	36.7	56.5	540	39.0	52.0	784
2712	33.0	60.0	33.0	59.8	10	33.5	59.0	60	34.0	58.0	197	34.5	57.0	416	36.5	53.5	538
2718	32.9	59.8	32.9	59.8	0	33.0	59.8	47	34.0	58.5	238	35.0	56.5	480	37.0	52.0	498
2800	32.7	59.9	33.0	60.0	19	33.0	60.0	82	34.0	58.5	275	35.0	56.5	474	37.0	52.0	379
2806	32.3	60.2	32.5	60.0	16	33.0	60.0	127	33.5	59.5	245	35.0	56.5	436	37.0	52.0	257
2812	31.7	61.0	32.5	60.0	70	32.5	61.0	69	33.0	61.0	140	34.0	58.0	261	36.0	53.0	288
2818	31.1	61.7	31.0	61.7	6	30.0	62.0	67	29.0	62.0	177	31.0	60.0	303	33.0	58.0	593
2900	30.6	62.4	30.5	62.4	6	29.5	63.5	65	29.0	64.5	140	29.0	66.0	587	30.0	67.0	1200
2906	30.5	63.2	30.4	63.1	8	30.2	64.6	36	30.5	65.8	114	31.6	65.7	606	33.0	67.0	1266
2912	30.6	64.0	30.5	64.0	6	31.5	65.0	12	33.0	64.0	49	35.0	61.0	444	37.0	55.0	811
2918	30.9	64.7	30.5	64.0	43	32.0	65.0	41	33.5	64.5	187	37.0	62.0	612	43.0	61.0	
3000	31.4	65.0	31.7	65.0	18	33.0	64.5	74	34.5	64.0	280	38.0	62.0	738	43.0	61.0	
3006	32.3	64.9	32.0	64.3	35	33.2	62.7	148	35.0	61.0	305	39.0	59.0	777	46.0	57.0	
3012	33.9	64.2	34.0	63.0	60	37.0	61.3	132	40.5	61.0	376						
3018	35.8	62.2	35.9	61.8	20	40.0	61.5	236									
0100	37.4	59.8	37.4	58.9	43	40.0	52.5	28									
0106	38.8	57.0	38.0	56.0	67	39.5	49.0	40	40.5	41.5	64						
0112	40.0	54.0	40.5	53.0	55	42.0	46.5	33	42.0	39.0	90						
0118	40.9	50.4	41.0	49.0	64	42.0	41.0	36	42.0	33.0							
0200	41.7	46.8	41.5	45.5	60	41.5	39.0	88	41.5	31.5		41.5	17.0				
0206	42.3	43.0	41.0	42.7		41.0	35.0		41.0	28.0							
0212	42.8	39.0	43.5	39.0		43.0	32.0		44.0	23.0							

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MEAN VECTOR ERRORS (N.MI.)	24	60	139	374	551
NUMBER OF CASES	30	30	26	23	20

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Table 5. Continued.

TROPICAL STORM ISIDORE 25 SEPTEMBER 1 OCTOBER 1984

DATE/TIME (GMT)	BEST TRACK		OPERATIONAL POSITION		POSITION ERROR (N.MI.)	12-HR. FORECAST ERROR			24-HR. FORECAST ERROR			48-HR. FORECAST ERROR			72-HR. FORECAST ERROR		
	LAT. (N)	LONG. (W)	LAT. (N)	LONG. (W)		LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)
2612	24.7	77.0	24.8	77.2	12	25.1	79.3	45	25.5	81.5	101	26.5	83.5	197	27.5	84.5	388
2618	25.0	77.7	24.8	77.6	13	25.0	79.0	36	25.0	81.0	130	26.0	82.5	237	27.5	83.5	429
2700	25.4	78.4	25.1	78.5	19	25.4	79.8	42	25.6	81.0	119	26.0	82.5	269	27.0	83.5	531
2706	25.8	79.1	25.9	79.1	6	26.7	81.0	50	27.5	82.0	68	29.0	82.0	164	30.5	80.5	387
2712	26.4	79.8	26.4	79.9	5	28.4	80.7	60	29.5	80.9	68	33.0	79.0	52	36.0	74.0	99
2718	27.3	80.5	27.6	80.5	18	28.5	81.5	46	31.0	80.5	81	33.5	77.0	47	37.0	69.0	108
2800	27.8	81.5	28.0	81.5	12	28.5	84.5	145	29.5	86.5	278	32.5	85.5	474	35.0	79.0	
2806	28.5	82.3	28.5	82.4	5	30.3	82.0	12	32.0	80.5	42	34.0	77.0	125	36.0	73.0	
2812	29.5	82.1	29.4	82.3	12	31.5	80.7	71	33.0	79.0	60	35.0	75.0	115	38.0	68.0	
2818	30.1	81.9	30.1	81.8	5	32.0	80.5	42	34.0	78.0	74	36.0	74.0	185	38.0	67.0	
2900	30.7	81.4	30.7	81.4	0	32.0	79.8	28	34.0	77.0	47	37.0	70.0		39.0	61.0	
2906	31.3	80.5	30.5	80.5	48	32.5	78.5	47	34.0	76.0	85	36.5	69.5		38.5	59.5	
2912	32.2	79.3	31.8	79.1	26	33.0	75.0	52	35.0	71.5	53	40.0	66.0		45.0	55.0	
2918	32.8	77.8	33.2	78.3	35	36.0	74.0	90	37.5	72.5	133	40.0	71.0				
3000	33.6	76.2	34.5	75.0	80	36.5	73.0	95	38.0	71.5		42.0	58.0				
3006	34.3	74.4	34.5	74.5	13	35.0	71.0	39	36.0	68.0		41.0	65.0				
3012	34.8	72.5	34.7	72.3		35.5	68.0										
3018	35.3	70.4	35.2	70.2		36.0	66.0										
MEAN VECTOR ERRORS (N.MI.)					19	56			95			186			324		
NUMBER OF CASES					16	16			14			10			6		

Table 5. Continued.

HURRICANE JOSEPHINE

21 OCTOBER 1984

DATE/TIME (GMT)	BEST TRACK		OPERATIONAL POSITION		POSITION ERROR (N.MI.)	12-HR. FORECAST ERROR			24-HR. FORECAST ERROR			48-HR. FORECAST ERROR			72-HR. FORECAST ERROR		
	LAT. (N)	LONG. (W)	LAT. (N)	LONG. (W)		LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)
0812	24.1	71.4	24.0	71.5	8	24.0	73.0	49	24.5	74.0	121	26.0	75.5	177	29.0	76.0	206
0818	24.3	71.9	24.2	71.7	12	24.3	73.0	73	24.5	73.5	139	26.0	75.0	180	29.0	76.0	244
0900	24.6	72.2	24.7	72.3	8	25.2	73.2	69	25.5	74.0	128	27.0	75.5	185	29.0	76.0	264
0906	25.2	72.2	25.0	72.0	16	25.3	72.5	63	26.0	73.0	74	27.5	74.5	155	30.0	75.0	216
0912	25.8	72.1	25.3	72.1	30	26.0	72.5	29	27.0	73.0	27	28.0	73.5	116	29.0	74.0	239
0918	26.4	72.1	26.7	72.0	19	27.5	72.5	11	29.0	73.0	50	30.0	73.0	86	30.0	73.0	250
1000	26.9	72.2	26.9	72.9	37	27.9	72.9	29	29.0	73.0	26	30.0	73.0	90	30.0	73.0	262
1006	27.2	72.4	27.3	72.8	22	28.5	73.0	24	29.5	73.5	37	31.0	74.0	125	32.5	74.0	187
1012	27.5	72.5	27.5	72.6	5	28.5	73.0	22	29.5	73.5	74	31.0	74.0	161	31.5	74.0	268
1018	28.0	72.6	27.8	72.7	13	29.0	73.2	37	29.5	73.5	98	31.0	73.5	173	33.0	73.5	188
1100	28.6	72.5	28.5	72.3	12	29.8	72.3	22	31.0	72.3	45	32.0	72.0	138	33.0	71.0	213
1106	29.3	72.4	28.9	72.5	25	29.8	72.5	40	30.5	72.3	82	32.0	72.0	148	33.5	71.5	175
1112	30.0	72.1	29.6	72.4	29	30.5	72.0	30	31.5	71.7	69	33.0	71.0	124	34.0	70.5	145
1118	30.7	71.9	30.5	71.9	12	32.0	72.0	15	33.0	72.0	34	34.0	72.0	109	35.0	72.0	88
1200	31.4	71.7	31.4	71.6	5	33.0	71.0	35	34.0	70.0	67	36.0	68.0	187	37.0	65.0	236
1206	32.2	71.7	32.1	71.5	12	33.8	71.0	28	35.0	70.0	52	35.5	68.0	184	35.5	66.0	113
1212	33.0	71.8	33.1	71.9	8	34.0	71.8	28	35.0	71.5	30	35.5	71.0	76	36.0	67.0	56
1218	33.7	71.7	33.6	71.5	12	34.5	71.0	12	35.5	70.5	54	36.0	69.0	79	36.0	67.0	146
1300	34.3	71.4	34.2	71.5	8	35.5	71.0	23	36.2	70.0	98	37.0	68.0	117	37.0	66.0	156
1306	34.8	71.2	34.7	71.4	12	36.0	71.0	44	37.0	70.0	93	37.5	69.0	86	37.5	68.0	316
1312	35.4	71.3	35.3	71.4	8	36.6	71.2	39	37.5	70.5	77	38.0	69.0	135	38.0	66.0	309
1318	36.0	71.7	36.1	71.6	8	37.0	71.5	8	38.0	70.5	97	38.5	68.0	163	38.5	65.0	345
1400	36.6	71.9	36.5	72.2	16	37.5	72.5	71	38.5	72.0	186	39.5	68.0	233	40.0	63.0	287
1406	36.8	71.7	36.9	71.9	11	37.5	71.5	70	38.5	70.5	160	38.0	68.0	310	37.0	65.0	550
1412	36.6	71.4	36.8	71.6	15	37.5	71.5	111	38.5	70.5	197	38.0	68.0	398	37.0	65.0	623
1418	36.3	70.8	36.3	71.0	10	36.0	70.0	69	35.5	69.0	230	35.0	67.0	528	34.5	64.0	708
1500	35.9	69.8	36.0	69.7	8	36.2	66.0	48	37.0	62.0	94	40.0	55.0	108	45.0	45.0	401
1506	36.2	68.4	36.3	67.7	34	37.0	63.0	67	38.0	59.0	112	42.0	51.0	143	47.0	42.0	549
1512	36.8	66.6	36.7	66.8	11	38.0	63.0	15	40.0	58.0	88	43.5	49.0	226	48.0	40.0	715
1518	37.6	64.8	37.7	65.1	15	39.5	62.0	18	41.0	59.0	29	44.0	52.0	105	47.5	45.0	
1600	38.3	63.0	39.0	62.5	48	41.0	57.0	103	43.5	51.0	242	45.0	38.0	676			
1606	39.2	61.4	39.8	60.5	55	40.5	56.0	72	41.5	52.0	111	43.0	44.0	452			
1612	39.9	59.7	40.5	59.5	37	41.5	56.0	30	42.5	53.5	67	46.0	49.0	297			
1618	40.6	58.2	40.5	58.4	11	41.5	55.5	30	41.5	53.5	125	43.0	51.0				
1700	41.3	56.6	41.0	56.0	33	42.0	52.0	71	43.0	49.0	214						
1706	42.0	54.9	42.0	54.8	4	43.0	51.5	115	44.5	48.5	281						
1712	43.0	53.9	43.3	53.9	18	44.5	51.5	125	45.0	50.0	258						

1718	43.6	54.1	43.5		44.0	55.0	43.	54.0
1800	44.0	54.4	44.0	54.5	44.0	55.0	44.0	55.0
1806	44.0	55.1	44.0	55.0	43.0	55.5	41.5	54.0
1812	.1	56.0	43.8	56.		55.0	43.	51.0

MEAN VECTOR ERRORS

NUMBER CASES

107

196

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Table 5. Continued.

HURRICANE KLAUS 6 - 13 NOVEMBER 1984

DATE/TIME (GMT)	BEST TRACK		OPERATIONAL POSITION		POSITION ERROR (N.MI.)	12-HR. FORECAST ERROR			24-HR. FORECAST ERROR			48-HR. FORECAST ERROR			72-HR. FORECAST ERROR		
	LAT. (N)	LONG. (W)	LAT. (N)	LONG. (W)		LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)
0618	17.0	66.7	17.0	67.0	17	18.0	66.0	6	19.0	65.5	29	21.0	64.4	166	23.5	62.5	199
0700	17.4	66.2	17.4	66.2	0	18.3	65.5	21	19.0	65.0	62	22.0	63.5	179	25.0	62.0	241
0706	18.0	65.8	18.3	65.8	18	19.5	65.0	18	21.5	63.0	96	25.0	60.0	216	30.0	55.0	306
0712	18.5	65.2	18.5	65.3	6	19.8	64.3	27	21.0	63.0	87	25.0	60.0	193	31.0	54.0	296
0718	19.1	64.7	19.1	64.9	11	20.0	64.0	46	21.5	63.0	124	24.5	61.0	158	29.0	59.0	260
0800	19.4	64.0	19.5	63.8	13	20.5	62.2	44	21.8	60.6	78	25.0	57.5	66	30.0	55.0	117
0806	19.6	63.1	19.5	63.3	13	20.0	61.5	13	21.5	59.5	54	25.0	56.0	47	30.0	54.0	86
0812	19.7	62.2	19.8	62.3	8	19.8	60.5	48	21.5	57.5	120	24.0	55.0	139	27.0	53.0	319
0818	19.9	61.4	20.0	61.1	18	21.0	59.5	21	22.5	58.0	29	25.0	56.5	239	28.0	55.5	367
0900	20.4	60.8	20.6	60.6	16	22.1	59.7	23	23.5	59.0	83	26.0	57.0	315	28.5	55.0	389
0906	21.1	60.1	21.1	59.9	11	22.0	58.0	50	23.0	56.5	108	26.0	54.0	313	29.0	52.0	363
0912	21.8	59.5	21.6	59.2	21	22.5	58.0	72	23.5	56.5	174	26.0	54.0	374	29.0	52.0	374
0918	22.7	58.7	22.7	58.6	6	24.5	57.5	57	26.0	56.0	164	28.0	52.0	326	31.0	49.0	
1000	23.8	57.8	23.6	57.8	12	25.1	55.8	63	26.6	54.2	174	29.5	51.0	318	32.5	47.5	
1006	24.8	56.6	24.5	56.5	19	26.5	54.0	72	28.0	51.5	169	32.0	47.0	386	36.0	43.0	
1012	26.2	55.2	26.0	55.3	13	29.0	53.0	19	32.0	50.0	127	37.5	45.0	515			
1018	28.0	54.0	28.2	54.0	12	31.5	51.5	54	35.0	49.0	202	41.5	42.5				
1100	29.5	53.0	30.0	52.0	60	34.5	48.5	181	38.0	46.0	354	42.0	43.0				
1106	31.0	52.5	33.3	50.4	174	35.5	49.0	79	37.5	48.0	197	39.0	47.0				
1112	32.2	52.4	33.6	50.2	139	37.0	51.5	62	38.0	52.0	103	40.0	51.0				
1118	33.4	52.7	33.6	52.7	12	34.5	53.0	66	36.0	54.0		40.0	52.0				
1200	34.6	53.4	34.7	53.3	8	36.5	54.0	95	38.3	54.0		41.0	51.0				
1206	34.8	54.2	35.5	53.6		37.0	54.0		38.5	53.5		41.0	51.0				
1212	35.0	55.0	35.0	55.0		36.0	57.0		38.0	55.0							
MEAN VECTOR ERRORS (N.MI.)					28	52			127			247			276		
NUMBER OF CASES					22	22			20			16			12		

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Table 5. Continued.

HURRICANE LILI 20 24 DECEMBER 1984

DATE/TIME (GMT)	BEST TRACK		OPERATIONAL POSITION		POSITION ERROR (N.MI.)	12-HR. FORECAST ERROR			24-HR. FORECAST ERROR			48-HR. FORECAST ERROR			72-HR. FORECAST ERROR		
	LAT. (N)	LONG. (W)	LAT. (N)	LONG. (W)		LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)	LAT. (N)	LONG. (W)	(N.MI.)
2012	31.1	52.4	30.8	52.3	18	30.0	51.5	36	29.5	50.5	87	29.0	48.0	371	29.0	46.0	917
2018	30.5	52.3	30.6	52.3	5	30.5	52.0	54	30.0	51.0	98	30.0	49.0	465	30.0	46.0	1060
2100	30.0	52.2	30.0	52.2	0	29.5	51.5	39	29.5	51.0	119	30.0	50.0	540	30.0	48.0	1086
2106	29.5	52.1	29.5	52.4	15	29.0	51.5	51	29.0	51.0	167	29.5	50.5	621	30.0	50.0	
2112	29.0	52.0	29.1	51.9	7	28.8	51.4	65	28.5	51.0	211	28.0	50.0	689	28.0	49.0	
2118	28.5	52.0	28.6	52.3	16	28.0	52.8	58	27.5	53.0	220	27.0	54.0	617	27.0	55.0	
2200	27.8	52.2	27.9	52.3	8	27.0	53.0	80	26.5	54.0	241	25.5	56.0	586	25.0	59.0	
2206	27.0	52.9	27.2	52.1	44	26.3	54.6	78	25.5	56.0	193	24.5	58.5		24.0	61.0	
2212	26.0	54.0	26.2	54.2	16	24.5	56.5	60	23.5	58.5	168	21.0	63.0		20.0	68.0	
2218	24.8	55.6	24.7	56.0	22	23.0	59.0	29	21.0	62.0	84	20.5	67.0		20.0	72.0	
2300	23.6	57.1	22.9	57.9	60	21.0	61.5	24	20.0	65.0	52	20.0	70.0		20.0	75.0	
2306	22.7	58.9	22.0	59.0	42	19.5	62.0	90	19.0	65.5		19.0	71.5		19.0	77.0	
2312	22.0	61.0	22.3	61.6	37	22.0	65.0	81	22.0	69.0							
2318	21.2	63.1	21.8	63.2		21.5	66.5		21.5	70.0							
2400	20.5	65.1	20.7	65.2		20.5	70.0		21.0	75.0							
MEAN VECTOR ERRORS (N.MI.)					23	58			150			556			1022		
NUMBER OF CASES					13	13			11			7			3		
.....							

LEGEND FOR TABLE 6

Key to Observational Unit and Resolution

OBSERVATIONAL UNIT

Reconnaissance

AF = Air Force

NOAA = National Oceanographic and Atmospheric Administration

Satellite

GOES-6 = Geostationary Operational Environmental Satellite

METEOSAT = Meteorological European Operational Satellite

Radar

MIA-R = Miami, Florida, National Weather Service Radar

PBI-R = West Palm Beach, Florida, National Weather Service Radar

DAB-R = Daytona Beach, Florida, National Weather Service Radar

AYS-R = Waycross, Georgia, National Weather Service Radar

CHS-R = Charleston, South Carolina, National Weather Service Radar

ILM-R = Wilmington, North Carolina, National Weather Service Radar

HAT-R = Cape Hatteras, North Carolina, National Weather Service Radar

RESOLUTION

Reconnaissance

Navigational Accuracy/Meteorological Accuracy. (Example - 5/5).

Satellite

Classification confidence*, location and confidence**, visible or infrared resolution (km).

*1 = completely certain as to current intensity number used.

2 = tempted to vary up or down by 1/2 T or S number.

3 = might vary up or down by 1 T or S number, or more.

**1 = well defined eye with certain picture registration.

2 = well defined eye with uncertain picture registration.

3 = well defined circulation center with certain picture registration.

4 = well defined circulation center with uncertain picture registration.

5 = poorly defined circulation center with certain picture registration.

6 = poorly defined circulation center with uncertain picture registration.

(Example - 1,1, VSBL 1 = classification confidence 1, location confidence 1, visible picture with 1 kilometer resolution.)

(Example - 2,5, IR 8 = classification confidence 2, location confidence 5, infrared picture with 8 kilometer resolution.)

CENTER FIXES

Subtropical Storm One AUGUST 18-21

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)			MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT.	LVL.			IN	OUT					
1	18	0600	33.0	65.0	25									GOES 6	2,6 IR 8	
2	18	1200	34.5	62.0	25									GOES 6	2,6 VIS 1	
3	18	1800	35.0	60.5	60									GOES 6	2,6 VIS 1	
4	19	0000	35.6	59.3	30									GOES 6	2,6 IR 8	
5	19	0600	36.5	57.5	30									GOES 6	2,6 IR 8	
6	19	1200	38.5	56.0	35									GOES 6	2,6 VIS 1	
7	19	1800	39.5	54.5	35									GOES 6	2,5 VIS 1	
8	20	0000	40.8	53.4	35									METEOSAT	2,6 IR 8	
9	20	0600	42.0	51.5	45									METEOSAT	3,6 IR 4	
10	20	1200	44.5	47.0	50									METEOSAT	2,6 VIS 1	
11	20	1800	47.0	45.0	50									METEOSAT	2,6 IR 8	
12	21	0000	47.3	44.0	50									METEOSAT	2,4 IR 8	
13	21	0600	48.0	40.0	40									METEOSAT	2,6 IR 4	
14	21	1200	51.0	38.0	30									METEOSAT	3,6 IR 4	
15	21	1800	54.0	34.0	25									METEOSAT	-,6 IR 4	

CENTER FIXES

TROPICAL STORM ARTHUR 28 AUGUST - 5 SEPTEMBER

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTERISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
1	28	1200	10.0	29.3	35		1005								
2	28	2230	11.3	52.6	45		1000						GOES 6	2,5 VSBL 8	
3	29	0600	10.5	55.0	45		1000						GOES 6	2,5 IR 8	
4	29	0822	10.9	55.4		25	1007		23	23			GOES 6	2,5 IR 8	
5	29	1101	11.1	55.4	25	24	1007		24	24			AF	5/3	424M
6	29	1200	10.8	56.2	45		1000						AF	5/3	413M
7	29	1800	11.7	56.1	45		1000						GOES 6	2,5 VIS 1	
8	29	1813	11.8	55.9	45	45	1004		26	25			GOES 6	2,3 IR 1	
9	29	2327	12.4	56.1		25	1007		25	23			AF	5/3	226M
10	30	0000	12.4	57.0	35		1005						AF	5/10	222M
11	30	0548	12.4	57.1		37	1009		23	23			GOES 6	2,6 IR 8	
12	30	0600	13.5	57.3	35		1005						AF	3/3	405M
13	30	0801	13.2	57.3		34	1009						GOES 6	2,6 IR 8	
14	30	1146	13.4	57.5	35				22	22			AF		
15	30	1200	13.8	57.3	35		1005						AF	5/10	436M
16	30	1748	14.0	58.0	15	19	1007		25	23			GOES 6	2,5 VIS 1	
17	30	1800	14.1	57.8	35		1005						AF	2/5	308M
18	30	1951	14.1	58.0	40	43	1007						GOES 6	2,5 VIS 1	
19	30	2147	14.3	57.6	35	46	1009						AF		
20	30	2319	14.4	57.6		33	1009		24	23			AF	2/5	390M
21	31	0000	14.6	57.1	35		1005						GOES 6	2,5 IR 8	
22	31	0500	14.7	57.4	35		1005						GOES 6	2,5 IR 8	
23	31	0627	14.6	57.8	38		1005		22	22			NOAA	5/2	453M
24	31	1106	15.2	58.3	30	15	1010		23	23			NOAA	5/10	448M
25	31	1230	15.5	58.0	35		1005						GOES 6	2,5 VIS 1	
26	31	1800	16.5	58.5	35		1005						GOES 6	2,5 VIS 1	
27	31	2345	16.7	58.6		29	1011		23	23			GOES 6	2,5 VIS 1	
28	01	0000	16.9	58.4	35		1009						AF	3/5	405M
29	01	0159	16.8	58.7		19	1012						GOES 6	2,6 IR 8	
30	01	0421	16.6	59.0		24	1012						AF		
31	01	0500	17.1	59.2	30		1009						AF		
32	01	0501	16.8	58.9		32	1011		23	23			GOES 6	2,5 IR 8	
													AF	5/7	402M

CENTER FIXES

TROPICAL STORM ARTHUR (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)			MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP. (N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT.	LVL.			IN	OUT					
33	01	1200	17.1	60.0	30			1009								
34	01	1228	17.0	60.0	20	35		1011								419M
35	01	1745	17.3	60.2	25	30		1010		24	24			NOAA	5/10	407M
36	01	1800	17.5	60.4	30			1009						NOAA	5/10	
37	02	0000	18.0	60.5	25			1009						GOES 6	2,4 VIS 1	
38	02	0500	18.5	60.9	30			1009						GOES 6	2,5 IR 8	
39	02	1156	18.1	61.1	20	26		1010		24	23			GOES 6	2,5 IR 8	
40	02	1200	18.0	61.0	30			1009						NOAA	5/5	442M
41	02	1735	18.4	61.4	25	27		1009		25	25			GOES 6	2,3 VIS 1	
42	03	0000	18.6	61.6	25			1009						NOAA	5/5	319M
43	03	0016	18.7	61.5		24		1010						GOES 6	2,5 IR 8	
44	03	0236	18.9	61.5		35		1010		25	25	C 15	poorly def.	AF	3/5	341M
45	03	0500	18.9	61.6	30			1009						AF	3/5	335M
46	03	0509	19.1	61.8		30		1008		25	26	C 15	open south	GOES 6	2,6 IR 8	
47	03	1200	19.3	62.5	35			1005						AF	3/5	351M
48	03	1218	19.4	62.1	27	25		1011				C 5	poorly def.	GOES 6	1,3 VIS 8	
49	03	1420	19.5	62.3	27			1011						AF	2/1	
50	03	1656	19.8	62.4	20	21		1010						AF		
51	03	1800	19.9	62.5	25	23		1010		26	25	C 5	poorly def.	AF	2/5	210M
52	03	1800	20.2	62.6	35			1005						GOES 6	1,3 VIS 2	
53	04	0000	20.5	62.5	30			1009						GOES 6	2,5 IR 8	
54	04	0001	20.4	62.7		16		1012		24	24			AF	3/1	366M
55	04	0156	20.4	62.9		18		1012		24	24			AF	3/1	326M
56	04	0500	20.8	63.2	35			1009						GOES 6	2,5 IR 8	
57	04	0550	23.3	67.2		20		1014		25	24			AF	2/5	326M
58	04	0804	23.6	67.3		30		1014						AF		
59	04	1101	24.0	67.9		13		1014		27	24			AF	2/5	162M
60	04	1200	21.8	64.2	30			1009						GOES 6	1,3 VIS 2	
61	04	1800	22.4	64.9	35			1005						GOES 6	1,3 VIS 2	
62	05	0000	22.8	66.0	30			1009						GOES 6	2,5 IR 8	
63	05	0500	23.2	66.8	35			1005						GOES 6	2,4 IR 8	
64	05	1200	24.5	68.1	30			1009						GOES 6	1,3 VIS 1	
65	05	1800	25.0	68.5	25									GOES 6	1,3 VIS 1	

CENTER FIXES

TROPICAL STORM BERTHA 30 AUGUST - 4 SEPTEMBER

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)			MIN. PRES. (MB)	MIN. TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	TER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT.	LVL.		IN	OUT					
1	30	1200	13.2	41.0	25								METEOSA	2,5 IR 8	
2	30	1800	13.2	41.7	30			1009					GOES 6	2,5 VIS 1	
3	31	0000	13.7	43.7	35			1005					GOES 6	2,6 IR 8	
4	31	0500	14.2	45.5	35			1005					GOES 6	2,5 IR 8	
5	31	0927	14.7	44.5	40	25		1007	24	24	C 10	closed	AF	10/3	192M
6	31	1052	15.0	44.8	45	45		1007	24	24	C 10	closed	AF	10/3	192M
7	31	1130	15.1	45.0	35			1005					GOES 6	2,3 VIS 1	
8	31	1800	15.9	46.6	35			1005					GOES 6	2,3 VIS 1	
9	01	0000	16.3	47.0	35			1005					GOES 6	2,6 IR 8	
10	01	0500	16.2	48.1	35			1005					GOES 6	2,5 IR 8	
11	01	1155	17.6	49.5	25	27		1009	24	25			AF	3/3	320M
12	01	1200	17.0	50.0	35			1005					GOES 6	2,6 VIS 1	
13	01	1409	17.9	49.9	35	26		1008	25	26			AF	3/3	320M
14	01	1610	18.2	50.1	25	24		1009	25	26			AF	3/5	343M
15	01	1705	18.3	50.4	20	21		1009	24	26			AF	3/5	326M
16	01	1800	18.0	50.5	35			1005					GOES 6	2,6 VIS 1	
17	02	0000	19.5	51.5	30			1009					GOES 6	2,5 IR 8	
18	02	0500	21.0	52.7	30			1009					GOES 6	2,5 IR 8	
19	02	0510	20.3	51.9		34		1009			C 25	poorly def.	AF	2/5	268M
20	02	1200	21.0	52.7	30			1009					GOES 6	2,5 VIS 1	
21	02	1209	20.8	53.1	15			1014	23	24			AF	3/5	268M
22	02	1417	21.5	52.8	25	25		1014					AF	3/5	268M
23	02	1558	22.3	52.8	40	42		1011					AF		
24	02	1723	22.6	52.8	20	20		1010	25	23			AF	3/1	274M
25	02	1800	22.5	52.5	30			1005					GOES 6	2,4 VIS 1	
26	03	0000	24.0	52.5	30			1009					GOES 6	2,5 IR 8	
27	03	0500	25.2	52.2	35			1009					GOES 6	2,6 IR 8	
28	03	1200	26.0	50.5	35			1005					GOES 6	2,5 VIS 2	
29	03	1229	27.8	51.6	20	21		1012	23	24			AF	3/15	280M
30	03	1800	27.3	49.0	35			1005					GOES 6	2,5 VIS 2	
31	04	0000	27.5	47.5	35			1005					GOES 6	2,5 IR 8	
32	04	0500	28.7	46.7	35			1009					GOES 6	2,5 IR 8	
33	04	1230	30.5	43.5	30			1009					GOES 6	1,5 VIS 2	
34	04	1000	32.2	41.1	30			1009					GOES 6	2,6 VIS 2	

CENTER FIXES

TROPICAL STORM CESAR 31 AUGUST 2 SEPTEMBER

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)			MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	LON.	SFC.	FLT.	LVL.			IN	OUT					
1	31	1130	38.8	6.59	35									GOES 6	2,3 VIS 1	
2	31	1730	39.3	64.0	35									GOES 6	2,3 VIS 1	
3	01	0030	41.2	60.8	45									GOES 6	2,6 IR 8	
4	01	0500	42.2	58.4	45									GOES 6	2,5 IR 8	
5	01	1130	43.5	56.5	35									GOES 6	2,4 VIS 1	
6	01	1730	44.3	54.5	35									GOES 6	2,6 VIS 1	
7	02	0000	45.0	52.0	35									GOES 6	2,5 IR 8	
8	02	1200	46.0	50.0										GOES 6		

CENTER FIXES

HURRICANE DIANA 8-16 SEPTEMBER

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)			MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT.	LVL.			IN	OUT					
1	8	1600	28.7	78.0	35											
2	8	1935	28.6	78.6	70	56		1005		23	23			GOES 6 AF	2,5 VIS 1 3/5	290M
3	8	2100	28.6	78.5	35			1005						GOES 6	2,5 VIS 8	
4	8	2008	28.6	78.8	70	64		1005		22	22			AF	3/5	311M
5	8	2303	28.5	79.2	30	36		1004						AF	3/8	274M
6	9	0000	28.8	78.8	45			1000						GOES 6	2,5 IR 8	
7	9	0300	28.8	78.8	45			1000						GOES 6	2,6 IR 8	
8	9	0447	28.4	79.5									center	DAB-R		
9	9	0500	28.7	79.1	45			1000						GOES 6	2,5 IR 8	
10	9	0508	28.5	79.7									center	DAB-R		
11	9	0529	28.3	79.6		55		1003		24	21			NOAA	5/5	507M
12	9	0636	28.6	79.5									center	DAB-R		
13	9	0707	28.7	79.6									center	DAB-R		
14	9	0729	28.7	79.7									center	DAB-R		
15	9	0800	28.7	79.6									center	DAB-R		
16	9	0831	28.8	79.6									center	DAB-R		
17	9	0859	28.9	79.8		60		1001		24	20			NOAA	5/5	529M
18	9	0900	29.8	79.6	45			1000						GOES 6	2,3 IR 8	
19	9	0905	28.9	79.5									center	DAB-R		
20	9	0928	28.8	79.5									center	DAB-R		
21	9	1008	29.0	79.6									eye-fair fix	DAB-R		
22	9	1034	29.0	79.7									eye-fair fix	DAB-R		
23	9	1109	29.2	79.7									psbl eye	DAB-R		
24	9	1143	29.0	79.8	50	50		1000		24	22			NOAA	5/5	532M
25	9	1200	29.0	80.0	45			1000						GOES 6	2,5 VIS 1	
26	9	1200	29.1	79.7									center	DAB-R		
27	9	1234	29.2	79.7									center	DAB-R		
28	9	1305	29.2	79.7							27		psbl center	DAB-R		
29	9	1332	29.3	79.7									center	DAB-R		
30	9	1406	29.3	79.7							31		center	DAB-R		

CENTER FIXES
HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)			MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTERISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	LONG.	SFC.	FLT.	LVL.			IN	OUT					
31	9	1431	29.3	79.6								35	center	DAB-R		
32	9	1433	29.3	79.9	55		60	998		25	22			NOAA	5/5	563M
33	9	1500	29.2	80.2	55			994						GOES 6	2,5 VIS 1	
34	9	1505	29.5	80.1								35	center	DAB-R		
35	9	1533	29.5	80.1								30	center	DAB-R		
36	0	1612	29.9	79.8								35	center	DAB-R		
37	9	1630	29.6	79.9								30	center	DAB-R		
38	9	1706	29.7	80.0								35	center	DAB-R		
39	9	1800	29.8	80.0								40	center	DAB-R		
40	9	1800	29.4	80.6	55			994						GOES 6	2,5 VIS 1	
41	9	1808	29.6	80.4	55		60	994		30	22			NOAA	5/10	587M
42	9	1830	29.8	80.0								40	center	DAB-R		
43	9	1906	29.7	80.3								40	center	DAB-R		
44	9	1930	29.8	80.4								40	center	DAB-R		
45	9	2000	29.9	80.7								45	center	DAB-R		
46	9	2030	30.0	80.6								40	center	DAB-R		
47	9	2052	29.7	80.5	55		64	994		26	19			NOAA	5/7.5	590M
48	9	2100	29.7	80.6	55			994						GOES 6	1,5 VIS 1	
49	9	2100	30.0	80.6								45	center	DAB-R		
50	9	2130	30.0	80.6								45	center	DAB-R		
51	9	2200	29.7	80.4								23	center	DAB-R		
52	9	2230	29.6	80.4								15	center	DAB-R		
53	9	2300	29.7	80.4								12	eye good fix	DAB-R		
54	9	2330	29.6	80.3								15	eye good fix	DAB-R		
55	9	2356	29.7	80.4			62	994				C20	closed	NOAA	5/5	560M
56	10	0000	29.9	80.5	60			991						GOES 6	2,3 IR 8	
57	10	0000	29.7	80.3								18	eye good fix	DAB-R		
58	10	0030	29.7	80.2								25	eye fair fix	DAB-R		
59	10	0100	29.8	80.3								20	eye fair fix	DAB-R		
60	10	0130	29.8	80.1								20	eye good fix	DAB-R		

CENTER FIXES
HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)			MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT.	LVL.			IN	OUT					
61	10	0131	29.8	80.3		60		994								
62	10	0200	29.8	80.2							20		eye good fix	NOAA DAB-R		
63	10	0203	29.9	80.3									center-poor	AYS-R		
64	10	0225	29.8	80.0									center-poor	AYS-R		
65	10	0230	29.8	80.2									eye good fix	DAB-R		
66	10	0230	30.0	80.5	65			987						GOES 6	2,5 IR 8	
67	10	0253	29.9	80.3		60		995	23	22			poorly def.	NOAA	2/5	569M
68	10	0300	29.9	80.0									center good	AYS-R		
69	10	0325	30.1	80.1									eye fair	AYS-R		
70	10	0400	29.9	80.3									eye poor fix	AYS-R		
71	10	0400	29.9	80.2									eye good fix	DAB-R		
72	10	0500	30.2	80.6	65			987						GOES 6	1,3 IR 8	
73	10	0500	29.9	80.7		67		995			C25		open east	NOAA		
74	10	0500	30.1	80.3									eye poor fix	AYS-R		
75	10	0500	30.2	80.2							25		center	DAB-R		
76	10	0530	30.3	80.1									eye poor fix	AYS-R		
77	10	0532	30.1	80.1									eye good fix	DAB-R		
78	10	0600	30.1	80.2		64		995	23	22	C18		open east	NOAA	2/5	571M
79	10	0603	30.2	80.2									eye good fix	DAB-R		
80	10	0629	30.2	80.2							24		eye good	DAB-R		
81	10	0704	30.3	80.2							23		center	DAB-R		
82	10	0708	30.0	80.7									cn. poor fix	AYS-R		
83	10	0725	30.4	80.2							29		eye fair	DAB-R		
84	10	0733	30.5	80.4									cn. poor fix	AYS-R		
85	10	0802	30.1	80.4									cn. poor fix	AYS-R		
86	10	0804	30.4	80.2							24		center	DAB-R		
87	10	0831	30.4	80.2							22		center	DAB-R		
88	10	0832	30.6	80.4									cn. poor fix	AYS-R		
89	10	0854	30.3	80.2		60		992	23	21	C40		open north	NOAA	5/5	600M
90	10	0900	30.3	80.3	65			987						GOES 6	1,3 IR 8	

CENTER FIXES

HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)			MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT.	LVL.			IN	OUT					
91	10	0901	30.3	80.3									cn. poor fix	AYS-R		
92	10	0906	30.6	80.3							39		eye poor fix	DAB-R		
93	10	0930	30.6	80.3							34		eye fair	DAB-R		
94	10	0934	30.5	80.3									center good	AYS-R		
95	10	1005	30.4	80.6									center fair	AYS-R		
96	10	1031	30.7	80.1									center good	AYS-R		
97	10	1050	30.3	80.2							12		eye fair	DAB-R		
98	10	1106	30.7	80.1							60		center	CHS-R		
99	10	1130	30.7	80.1									cn. good fix	AYS-R		
100	10	1130	30.3	80.2							22		cn. fair fix	DAB-R		
101	10	1145	30.5	80.0		80	991		23	22	C30		open north	NOAA	5/5	615M
102	10	1200	30.0	79.8	65		987							GOES 6	2,3 VIS 1	
103	10	1200	30.2	80.0							45		center	CHS-R		
104	10	1210	30.8	80.4									cn. fair fix	SAV-R		
105	10	1230	30.4	80.0							30		center fair	DAB-R		
106	10	1300	30.3	79.9							50		center	CHS-R		
107	10	1306	30.4	79.9							16		eye fair	DAB-R		
108	10	1310	30.7	79.8									center fair	SAV-R		
109	10	1330	30.2	80.0							40		center	CHS-R		
110	10	1330	31.0	79.9									center fair	AYS-R		
111	10	1333	30.4	79.9							18		eye good	DAB-R		
112	10	1402	30.3	79.8									center fair	AYS-R		
113	10	1402	30.3	79.9							40		center	CHS-R		
114	10	1404	30.5	79.8							14		eye good	DAB-R		
115	10	1410	30.7	79.8									center fair	SAV-R		
116	10	1430	30.4	79.8							40		center	CHS-R		
117	10	1433	30.5	79.8							18		eye good	DAB-R		
118	10	1438	30.6	79.6									center fair	AYS-R		
119	10	1452	30.6	79.7	75	60	991		23	22	C30		open south	NOAA	5/5	604M
120	10	1455	30.5	79.8							40		center	CHS-R		

CENTER FIXES

HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)			MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTERISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	LO.	SFC.	FLT.	LVL.			IN	OUT					
121	10	1500	30.8	79.6	77			979						GOES 6	2,1 VIS 1	
122	10	1502	30.8	79.4									center fair	AYS-R		
123	10	1505	30.6	79.7							28		eye fair	DAB-R		
124	10	1510	30.6	79.8									eye good	SAV-R		
125	10	1530	30.6	79.7							30		center	CHS-R		
126	10	1530	30.7	79.7									center fair	AYS-R		
127	10	1531	30.7	79.7							22		eye fair	DAB-R		
128	10	1600	30.5	79.7							30		center	CHS-R		
129	10	1600	30.7	79.6									center fair	AYS-R		
130	10	1610	30.7	79.6									eye good	SAV-R		
131	10	1630	30.7	79.4									center good	AYS-R		
132	10	1630	30.5	79.7							30		center	CHS-R		
133	10	1631	30.8	79.8									eye good	SAV-R		
134	10	1631	30.6	79.8							16		eye good	DAB-R		
135	10	1700	30.6	79.6	50	48		2975	13	7	E03/30/20		well defined	AF	2/1	700MB
136	10	1700	30.8	79.7									center fair	AYS-R		
137	10	1710	30.6	79.6							30		center	CHS-R		
138	10	1710	30.7	79.7									eye good	SAV-R		
139	10	1728	30.7	79.6							25		center	CHS-R		
140	10	1730	30.7	79.5									center fair	AYS-R		
141	10	1730	30.8	79.6							18		eye good	DAB-R		
142	10	1731	30.6	79.6									eye good	SAV-R		
143	10	1800	30.9	79.4	77			979						GOES 6	2,1 VIS 1	
144	10	1800	30.8	79.5									center fair	AYS-R		
145	10	1803	30.8	79.5							20		center	CHS-R		
146	10	1805	31.0	79.7									eye good	DAB-R		
147	10	1810	30.6	79.6									eye good	SAV-R		
148	10	1830	30.8	79.4							15		eye fair	CHS-R		
149	10	1830	30.6	79.6									eye good	SAV-R		
150	10	1831	31.0	79.7									eye good	DAB-R		

CENTER FIXES

HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTERISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
151	10	1840	30.9	79.5	80	56		2956					AF		700MB
152	10	1900	30.9	79.3								center good	AYS-R		
153	10	1910	30.9	79.5							15	eye	CHS-R		
154	10	1910	30.8	79.5								eye fair	SAV-R		
155	10	1930	30.9	79.4							15	eye fair	CHS-R		
156	10	1930	30.9	79.2								center fair	AYS-R		
157	10	1934	31.0	79.3								center fair	DAB-R		
158	10	2010	31.0	79.4								eye good	AYS-R		
159	10	2010	31.0	79.4								eye good	SAV-R		
160	10	2015	31.0	79.4	80	73	983	2927	13	8	C20	closed	AF	2/1	700MB
161	10	2030	31.1	79.4								center good	AYS-R		
162	10	2030	31.0	79.3								eye fair	CHS-R		
163	10	2100	31.2	79.3	77		979						GOES 6	1,1 VIS 1	
164	10	2100	31.1	79.1								center fair	AYS-R		
165	10	2110	31.1	79.4								eye good	SAV-R		
166	10	2110	31.0	79.3							22	eye good	CHS-R		
167	10	2130	31.1	79.2								center fair	AYS-R		
168	10	2130	31.1	79.4								eye good	SAV-R		
169	10	2130	31.0	79.3							20	eye good	CHS-R		
170	10	2132	31.1	79.3		59		2916					AF		700MB
171	10	2200	31.1	79.1								center fair	AYS-R		
172	10	2210	31.1	79.2							20	eye good	CHS-R		
173	10	2230	31.0	79.1								center poor	AYS-S		
174	10	2230	31.3	79.3								eye good	SAV-R		
175	10	2232	31.1	79.1							20	eye good	CHS-R		
176	10	2301	31.3	79.1								center fair	AYS-R		
177	10	2303	31.2	79.1							20	eye good	CHS-R		
178	10	2310	31.3	79.3								eye good	SAV-R		
179	10	2317	31.3	79.2	80	76	977	2895	12	7	E/04/25/15	well defined	AF	2/1	700MB
180	10	2328	31.2	79.1							20	eye good	CHS-R		

CENTER FIXES

HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTERISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	LONG.	SFC.	FLT. LVL.			IN	OUT					
181	10	2330	31.4	79.3								eye good	SAV-R		
182	10	2330	31.3	79.1								center fair	AYS-R		
183	10	2359	31.2	79.2							28	eye good	CHS-R		
184	11	0000	31.2	79.2								center poor	AYS-R		
185	11	0000	31.3	79.1	77		979						GOES 6	1,2 IR 8	
186	11	0010	31.2	79.2								eye good	SAV-R		
187	11	0026	31.2	79.1							18	eye good	CHS-R		
188	11	0030	31.2	79.2								eye good	SAV-R		
189	11	0030	31.3	79.1								center poor	AYS-R		
190	11	0010	31.2	79.0							15	eye good	CHS-R		
191	11	0105	31.2	79.4								center poor	AYS-R		
192	11	0110	31.3	79.1							23	eye fair	SAV-R		
193	11	0130	31.3	79.0							16	eye good	CHS-R		
194	11	0130	31.2	79.0							23	eye fair	SAV-R		
195	11	0133	31.3	79.4								center poor	AYS-AR		
196	11	0200	31.3	79.0							16	eye good	CHS-R		
197	11	0200	31.4	79.0								center fair	AYS-R		
198	11	0210	31.3	78.9							24	eye fair	SAV-R		
199	11	0225	31.5	79.0								center fair	AYS-R		
200	11	0227	31.3	78.9							16	eye good	CHS-R		
201	11	0230	31.4	78.9								eye poor	SAV-R		
202	11	0248	31.4	78.9		80	977	21	17	C20		closed	NOAA	2/3	1710M
203	11	0258	31.3	78.9							16	eye-good	CHS-R		
204	11	0300	31.5	78.9	90		970						GOES 6	1,1 IR 8	
205	11	0330	31.4	78.9							15	eye-good	CHS-R		
206	11	0330	31.5	78.8								center fair	AYS-R		
207	11	0402	31.5	78.9							15	eye-good	CHS-R		
208	11	0405	31.6	78.9								center poor	AYS-R		
209	11	0432	31.5	78.9							14	eye good	CHS-R		
210	11	0500	31.6	78.9							16	eye-good	CHS-R		

CENTER FIXES

HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTERISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	LONG.	SFC.	FLT. LVL.			IN	OUT					
211	11	0500	31.6	78.8	90		970						GOES 6	1,1 IR 8	
212	11	0528	31.6	78.8							11	eye good	CHS-R		
213	11	0600	31.7	78.7							16	eye good	CHS-R		
214	11	0617	31.8	78.7		96	973		18	17	C15	closed	NOAA	2/5	1730M
215	11	0629	31.7	78.7							13	eye good	CHS-R		
216	11	0700	31.8	78.7							14	eye good	CHS-R		
217	11	0730	31.8	78.6							15	eye good	CHS-R		
218	11	0800	32.0	78.6							15	eye good	CHS-R		
219	11	0830	32.0	78.6							14	eye good			
220	11	0842	32.1	78.5		100	967		21	17	C17	closed	NOAA	2/5	1803M
221	11	0900	32.1	78.6	102		960						GOES 6	1,1 IR 8	
222	11	0902	32.1	78.6							15	eye good	CHS-R		
223	11	0930	32.1	78.5							12	eye good	CHS-R		
224	11	1030	32.2	78.6							11	eye good	CHS-R		
225	11	1030	32.2	78.4							8	eye good	ILM-R		
226	11	1100	32.3	78.5							14	eye good	CHS-R		
227	11	1125	32.3	78.4							10	eye good	ILM-R		
228	11	1130	32.3	78.4							16	eye good	CHS-R		
229	11	1155	32.5	78.4	70	112	960		24	17	C15	closed	NOAA	4/5	1876M
230	11	1200	32.4	78.4	102		960						GOES 6	2,1 VIS 1	
231	11	1200	32.4	78.3							8	eye good	ILM-R		
232	11	1225	32.5	78.3							8	eye good	ILM-R		
233	11	1250	32.6	78.5							8	eye good	ILM-R		
234	11	1250	32.6	78.4		115	959						NOAA		850MB
235	11	1309	32.6	78.3							8	eye good	ILM-R		
236	11	1310	32.5	78.6								eye good	SAV-R		
237	11	1325	32.6	78.3							7	eye good	ILM-R		
238	11	1330	32.6	78.5								eye good	SAV-R		
239	11	1344	32.6	78.4	80	123	957						NOAA		850MB
240	11	1353	32.6	78.2							8	eye good	ILM-R		

CENTER FIXES

HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTERISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	LONG.	SFC.	FLT. LVL.			IN	OUT					
241	11	1355	32.5	78.3							10	eye good	CHS-R		
242	11	1410	32.9	78.5								eye good	SAV-R		
243	11	1412	32.6	78.2							8	eye good	ILM-R		
244	11	1425	32.5	78.2							8	eye good	ILM-R		
245	11	1430	32.6	78.3							12	eye good	CHS-R		
246	11	1435	32.7	78.4								eye good	SAV-R		
247	11	1453	32.8	78.2							8	eye good	ILM-R		
248	11	1456	32.8	78.3	80	121	955	24	17		C15	closed	NOAA	4/6	1902M
249	11	1500	32.8	78.2	102		960						GOES 6	2,1 VIS 1	
250	11	1500	32.7	78.2							11	eye good	CHS-R		
251	11	1510	32.9	78.3								eye good	SAV-R		
252	11	1511	32.9	78.1							8	eye good	ILM-R		
253	11	1525	32.9	78.1							9	eye good	ILM-R		
254	11	1528	32.7	78.2							12	eye good	CHS-R		
255	11	1600	32.9	78.1							8	eye good	ILM-R		
256	11	1625	32.9	78.0							8	eye good	ILM-R		
257	11	1635	33.0	78.1		112	954						NOAA		850MB
258	11	1638	32.9	78.1							12	eye good	CHS-R		
259	11	1656	33.1	78.0							8	eye good	ILM-R		
260	11	1706	33.0	78.0							12	eye good	CHS-R		
261	11	1725	33.1	77.9							7	eye good	ILM-R		
262	11	1754	33.2	77.9							7	eye good	ILM-R		
263	11	1800	33.4	78.0	115		948						GOES 6	2,1 VIS 1	
264	11	1800	33.3	78.0	85	128	954		25	17	C15	closed	NOAA	4/4	1912M
265	11	1825	33.3	77.9							6	eye good	ILM-R		
266	11	1850	33.3	77.9							10	eye good	CHS-R		
267	11	1857	33.4	77.9							7	eye good	ILM-R		
268	11	1925	33.3	78.0							20	eye poor	HAT-R		
269	11	1925	33.4	77.9							7	eye good	ILM-R		
270	11	1930	33.4	77.9							8	eye good	CHS-R		

CENTER FIXES

HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTERISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	LONG.	SFC.	FLT. LVL.			IN	OUT					
271	11	1950	33.3	78.1							15	eye poor	HAT-R		
272	11	1957	33.4	77.8							7	eye good	ILM-R		
273	11	2000	33.4	77.8							11	eye good	CHS-R		
274	11	2025	33.4	77.9							15	eye poor	HAT-R		
275	11	2030	33.5	77.8							10	eye good	ILM-R		
276	11	2055	33.5	77.9							15	eye fair	HAT-R		
277	11	2101	33.6	77.7							10	eye good	CHS-R		
278	11	2110	33.6	77.8							10	eye good	ILM-R		
279	11	2115	33.7	77.8			950		25	17	C12	closed	NOAA	5/5	1958M
280	11	2130	33.7	77.9	115		948						GOES 6	2,1 VIS 1	
281	11	2130	33.6	77.7							8	eye good	CHS-R		
282	11	2130	33.6	77.7							12	eye good	ILM-R		
283	11	2130	33.5	77.9							10	eye fair	HAT-R		
284	11	2155	33.6	77.9							10	eye fair	HAT-R		
285	11	2156	33.7	77.7							12	eye good	ILM-R		
286	11	2207	33.8	77.7							8	eye good	CHS-R		
287	11	2230	33.8	77.7							10	eye good	CHS-R		
288	11	2230	33.7	77.6							10	eye good	ILM-R		
289	11	2230	33.6	77.9							12	eye good	HAT-R		
290	11	2255	33.7	77.8			950		25	16	C12	closed	NOAA	5/5	1919M
291	11	2257	33.7	77.7							5	eye good	ILM-R		
292	11	2302	33.7	77.9							10	eye good	HAT-R		
293	11	2304	33.8	77.7							9	eye good	CHS-R		
294	11	2327	33.9	77.7							9	eye good	CHS-R		
295	11	2330	33.8	77.7							5	eye good	ILM-R		
296	11	2330	33.7	77.9							12	eye good	HAT-R		
297	11	2355	33.8	77.7							4	eye good	ILM-R		
298	11	2355	33.8	77.7			949		26	16	CONC12/60	closed	NOAA	5/5	1960M
299	12	0000	33.9	77.8	115		948						GOES 6	2,1 IR 8	
300	12	0002	33.9	77.6							8	eye good	CHS-R		

CENTER FIXES
HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER-ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
301	12	0005	33.8	77.7							12	eye good	HAT-R		
302	12	0026	33.9	77.6							8	eye good	CHS-R		
303	12	0030	33.8	77.7							3	eye good	ILM-R		
304	12	0030	33.8	77.9							12	eye good	HAT-R		
305	12	0055	33.8	77.7							3	eye good	ILM-R		
306	12	0101	33.9	77.6							8	eye good	CHS-R		
307	12	0103	33.8	77.9							12	eye good	HAT-R		
308	12	0124	34.0	77.6		105	952		23	16	CONC14/50	closed	NOAA	5/5	1970M
309	12	0126	33.9	77.6							9	eye good	CHS-R		
310	12	0130	33.9	77.7							3	eye good	ILM-R		
311	12	0130	33.8	77.8							13	eye good	HAT-R		
312	12	0155	33.9	77.7							4	eye good	ILM-R		
313	12	0200	33.8	77.7							10	eye good	HAT-R		
314	12	0202	33.9	77.6							10	eye good	CHS-R		
315	12	0230	33.8	77.7							10	eye good	HAT-R		
316	12	0230	33.9	77.6							5	eye good	ILM-R		
317	12	0230	33.9	77.6							10	eye good	CHS-R		
318	12	0247	34.0	77.5		100	956		20	16	CONC15/50	closed	NOAA	5/5	2050M
319	12	0255	33.9	77.6							6	eye good	ILM-R		
320	12	0300	33.9	77.6	115		948						GOES 6	1,1 IR 8	
321	12	0300	33.8	77.7							10	eye good	HAT-R		
322	12	0305	33.9	77.6							11	eye good	CHS-R		
323	12	0326	33.9	77.5							11	eye good	CHS-R		
324	12	0330	33.8	77.7							10	eye good	HAT-R		
325	12	0355	33.9	77.6							6	eye good	ILM-R		
326	12	0400	33.9	77.8							15	eye good	HAT-R		
327	12	0401	34.0	77.5							12	eye good	CHS-R		
328	12	0425	33.9	77.6							16	eye good	ILM-R		
329	12	0428	33.9	77.6							11	eye good	CHS-R		
330	12	0430	33.9	77.8							13	eye good	HAT-R		

CENTER FIXES

HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
331	12	0455	33.9	77.7	115	948					17	eye good	ILM-R	2,1 IR 8	
332	12	0459	33.9	77.7							17	eye good	HAT-R		
333	12	0500	33.8	77.6							13	eye good	CHS-R		
334	12	0503	34.0	77.5							16	eye good	HAT-R		
335	12	0530	33.9	77.7							17	eye good	ILM-R		
336	12	0530	33.9	77.5							15	eye good	CHS-R		
337	12	0530	33.9	77.5							13	eye good	HAT-R		
338	12	0600	33.9	77.7							15	eye good	CHS-R		
339	12	0601	33.9	77.4							17	eye good	ILM-R		
340	12	0605	34.0	77.5							95	961	18		
341	12	0606	34.0	77.5	18	eye good	HAT-R								
342	12	0630	33.9	77.6	16	eye good	ILM-R								
343	12	0630	33.9	77.5	13	eye good	CHS-R								
344	12	0630	34.0	77.4	15	eye good	ILM-R								
345	12	0655	33.9	77.4	11	eye good	HAT-R								
346	12	0700	33.9	77.6	16	eye good	CHS-R								
347	12	0700	34.0	77.4	15	eye good	ILM-R								
348	12	0725	33.9	77.4	15	eye good	CHS-R								
349	12	0726	34.0	77.4	13	eye good	HAT-R								
350	12	0730	33.9	77.7	16	eye good	ILM-R								
351	12	0755	34.0	77.4	12	eye good	HAT-R								
352	12	0800	34.0	77.5	14	eye good	CHS-R								
353	12	0800	34.0	77.3	14	eye good	ILM-R								
354	12	0825	34.0	77.4	18	eye good	HAT-R								
355	12	0830	33.9	77.5	15	eye good	CHS-R								
356	12	0830	33.9	77.3	15	eye good	ILM-R								
357	12	0855	34.0	77.3	13	eye good	CHS-R								
358	12	0900	33.9	77.3	115	948				eye good	GOES 6	2,1 IR 8			
359	12	0900	34.0	77.5						18	eye good			HAT-R	
360	12	0901	33.9	77.5											

CENTER FIXES
HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP. (N.MI.)	CHARACTERISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
361	12	0903	34.0	77.3		94	964		18	17	CONC15/40	closed	NOAA	2/5	1752M
362	12	0925	34.0	77.3							15	eye good	ILM-R		
363	12	0930	33.9	77.2							13	eye good	CHS-R		
364	12	0934	33.9	77.4							16	eye good	HAT-R		
365	12	0955	34.0	77.2							15	eye good	ILM-R		
366	12	1000	33.9	77.2							17	eye good	CHS-R		
367	12	1007	33.9	77.4							16	eye good	HAT-R		
368	12	1025	33.9	77.2							13	eye good	ILM-R		
369	12	1026	33.9	77.4							16	eye good	HAT-R		
370	12	1030	34.0	77.2							17	eye good	CHS-R		
371	12	1056	33.9	77.3							16	eye good	HAT-R		
372	12	1100	34.0	77.2							13	eye good	ILM-R		
373	12	1100	34.0	77.1							17	eye good	CHS-R		
374	12	1125	33.9	77.3							15	eye good	HAT-R		
375	12	1125	34.0	77.1							14	eye good	ILM-R		
376	12	1125	34.0	77.1							17	eye good	CHS-R		
377	12	1146	34.0	77.1	80	92	967		19	16	CONC16/40	closed	NOAA	3/5	1719M
378	12	1155	34.0	77.3							15	eye closed	HAT-R		
379	12	1155	34.0	77.1							13	eye good	ILM-R		
380	12	1200	34.0	77.1							17	eye good	CHS-R		
381	12	1200	33.9	77.3	102		960						GOES 6	2,1 VIS 1	
382	12	1225	33.9	77.3							15	eye good	HAT-R		
383	12	1225	34.1	77.1							12	eye good	ILM-R		
384	12	1230	34.0	77.1							18	eye good	CHS-R		
385	12	1250	34.0	77.1							13	eye good	ILM-R		
386	12	1259	34.0	77.4							13	eye good	HAT-R		
387	12	1310	34.0	77.1							13	eye good	ILM-R		
388	12	1325	34.0	77.3							13	eye good	HAT-R		
389	12	1325	34.0	77.1							13	eye good	ILM-R		
390	12	1326	33.9	77.1							12	eye good	CHS-R		

CENTER FIXES
HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
391	12	1350	34.0	77.1							13	eye good	ILM-R		
392	12	1357	34.0	77.3							13	eye good	HAT-R		
393	12	1400	34.0	77.0							13	eye good	CHS-R		
394	12	1425	34.0	77.1							13	eye good	ILM-R		
395	12	1425	34.0	77.3							15	eye good	HAT-R		
396	12	1456	34.0	77.3							13	eye good	HAT-R		
397	12	1500	33.7	77.2	102		960						GOES 6	2,1 VIS 1	
398	12	1510	34.0	77.1							11	eye good	ILM-R		
399	12	1511	34.0	77.1	65	96	970	21	17	CONC15/45		closed	NOAA	4/5	1780M
400	12	1525	34.0	77.3							13	eye good	HAT-R		
401	12	1525	34.0	77.1							12	eye good	ILM-R		
402	12	1530	34.0	77.3							25	eye fair	CHS-R		
403	12	1558	33.9	77.3							13	eye good	HAT-R		
404	12	1601	34.0	77.1							12	eye good	ILM-R		
405	12	1604	34.0	77.2							30	eye fair	CHS-R		
406	12	1625	33.9	77.3							13	eye good	HAT-R		
407	12	1632	33.9	77.4							20	eye fair	CHS-R		
408	12	1635	34.0	77.1	65	93	970						NOAA		850MB
409	12	1650	34.0	77.1							12	eye good	ILM-R		
410	12	1701	33.9	77.3							13	eye good	HAT-R		
411	12	1704	33.9	77.3							20	eye fair	CHS-R		
412	12	1710	34.0	77.1							12	eye good	ILM-R		
413	12	1725	34.0	77.2							11	eye good	ILM-R		
414	12	1729	34.0	77.4							20	eye fair	CHS-R		
415	12	1729	33.9	77.4							15	eye good	HAT-R		
416	12	1755	34.0	77.2							12	eye good	ILM-R		
417	12	1759	33.9	77.3							15	eye good	HAT-R		
418	12	1759	34.0	77.2	70	100	970	21	16	E18/40/32		closed	NOAA	5/5	1770M
419	12	1800	33.7	77.2	102		960						GOES 6	2,1 VIS 1	
420	12	1825	33.9	77.4							18	eye good	HAT-R		

CENTER FIXES
HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
421	12	1855	33.9	77.4							20	eye good	HAT-R		
422	12	1855	34.0	77.2							12	eye good	ILM-R		
423	12	1905	33.8	77.5							25	eye fair	CHS-R		
424	12	1925	33.9	77.2							12	eye good	ILM-R		
425	12	1928	33.9	77.3							20	eye fair	CHS-R		
426	12	1933	33.8	77.4							20	eye good	HAT-R		
427	12	1938	33.9	77.2	75	105	969						NOAA		850MB
428	12	1950	33.9	77.2							12	eye good	ILM-R		
429	12	2003	33.9	77.4							18	eye good	HAT-R		
430	12	2005	33.4	77.1							20	eye fair	CHS-R		
431	12	2030	33.9	77.4							18	eye good	HAT-R		
432	12	2030	33.9	77.2							12	eye good	ILM-R		
433	12	2030	33.4	77.1							20	eye fair	CHS-R		
434	12	2038	33.9	77.2	85	115	970		21	16	E10/45/30	closed	NOAA	5/10	1785M
435	12	2055	33.9	77.2							12	eye good	ILM-R		
436	12	2100	33.7	77.3	102		960						GOES 6	2,1 VIS 1	
437	12	2103	33.6	77.2							15	eye poor	CHS-R		
438	12	2129	33.7	77.3							20	eye poor	CHS-R		
439	12	2130	33.9	77.4							16	eye good	HAT-R		
440	12	2130	33.9	77.3							10	eye good	ILM-R		
441	12	2155	33.9	77.4							16	eye good	HAT-R		
442	12	2155	33.9	77.3							10	eye good	ILM-R		
443	12	2205	33.4	77.2							30	eye poor	CHS-R		
444	12	2230	33.8	77.4							19	eye good	HAT-R		
445	12	2230	33.8	77.3							10	eye good	ILM-R		
446	12	2234	33.3	77.2							30	eye fair	CHS-R		
447	12	2255	33.8	77.4							25	eye good	HAT-R		
448	12	2255	33.8	77.3							10	eye good	ILM-R		
449	12	2310	33.7	77.3							25	eye fair	CHS-R		
450	12	2330	33.8	77.4							24	eye good	HAT-R		

CENTER FIXES

HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTERISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
451	12	2330	33.8	77.3							10	eye good	ILM-R		
452	12	2330	33.8	77.4							25	eye fair	CHS-R		
453	12	2355	33.8	77.4							12	eye good	ILM-R		
454	13	0000	33.8	77.5							22	eye good	HAT-R		
455	13	0000	33.8	77.4							18	eye fair	CHS-R		
456	13	0000	33.7	77.3	102		960						GOES 6	2,1 IR 8	
457	13	0010	33.8	77.4		95	972		20	17	C28	open N.W.	NOAA	5/5	1780M
458	13	0030	33.8	77.4							24	eye good	HAT-R		
459	13	0030	33.8	77.4							12	eye good	ILM-R		
460	13	0030	33.8	77.4							20	eye fair	CHS-R		
461	13	0057	33.8	77.3							25	eye fair	CHS-R		
462	13	0100	33.7	77.4							19	eye good	HAT-R		
463	13	0100	33.8	77.4							15	eye good	ILM-R		
464	13	0125	33.8	77.5		90	974		20	16	C30	closed	NOAA	5/5	1750M
465	13	0130	33.7	77.6							20	eye good	HAT-R		
466	13	0130	33.8	77.5							12	eye good	ILM-R		
467	13	0130	33.8	77.3							25	eye fair	CHS-R		
468	13	0155	33.8	77.5							12	eye good	ILM-R		
469	13	0155	33.8	77.4							25	eye fair	CHS-R		
470	13	0200	33.8	77.6							23	eye good	HAT-R		
471	13	0230	33.8	77.6							24	eye good	HAT-R		
472	13	0230	33.8	77.5							12	eye good	ILM-R		
473	13	0230	33.8	77.4							25	eye good	CHS-R		
474	13	0247	33.9	77.6		85	975		29	18	E34/30/50	closed	NOAA	5/5	1732M
475	13	0256	33.8	77.5							15	eye good	ILM-R		
476	13	0258	33.8	77.4							20	eye good	CHS-R		
477	13	0300	33.6	77.4	102		960						GOES	2,1 IR 8	
478	13	0330	33.7	77.7							22	eye good	HAT-R		
479	13	0330	33.8	77.6							16	eye good	ILM-R		
480	13	0330	33.8	77.6							18	eye good	CHS-R		

CENTER FIXES
HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
481	13	0355	33.8	77.7							18	eye good	ILM-R		
482	13	0412	33.9	77.7		80	976		20	17	C30	closed	NOAA	5/5	1730M
483	13	0425	33.8	77.7							17	eye good	ILM-R		
484	13	0430	33.8	77.8							21	eye good	HAT-R		
485	13	0430	33.8	77.6							18	eye fair	CHS-R		
486	13	0455	33.9	77.7							23	eye good	ILM-R		
487	13	0500	33.8	77.9							20	eye fair	HAT-R		
488	13	0500	33.9	78.0	102		960						GOES 6	1,1 IR 8	
489	13	0530	33.8	77.9							21	eye fair	HAT-R		
490	13	0530	33.9	77.7							23	eye good	ILM-R		
491	13	0530	33.9	77.8							18	eye good	CHS-R		
492	13	0542	33.9	77.9		80	977		19	17	C30	closed	NOAA	5/5	1711M
493	13	0550	33.9	77.8							23	eye good	ILM-R		
494	13	0605	33.9	78.0							20	eye fair	HAT-R		
495	13	0605	33.9	77.8							18	eye good	CHS-R		
496	13	0608	33.9	77.9							22	eye good	ILM-R		
497	13	0630	33.8	78.0							21	eye fair	HAT-R		
498	13	0630	34.0	77.9							20	eye good	ILM-R		
499	13	0630	34.0	77.8							17	eye fair	CHS-R		
500	13	0655	33.8	77.6							20	eye good	ILM-R		
501	13	0701	34.0	77.9							17	eye good	CHS-R		
502	13	0705	33.9	78.2							18	eye fair	HAT-R		
503	13	0710	34.0	78.0							20	eye good	ILM-R		
504	13	0726	34.0	78.0							12	eye good	CHS-R		
505	13	0730	33.8	78.2							17	eye fair	HAT-R		
506	13	0730	34.0	78.0							21	eye good	ILM-R		
507	13	0730	34.0	78.2									GOES 6	-,1 IR 8	
508	13	0750	34.0	78.0							18	eye good	ILM-R		
509	13	0801	34.1	78.1							15	eye good	CHS-R		
510	13	0810	34.0	78.0							19	eye good	ILM-R		

CENTER FIXES
HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER-ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	LOX.	SFC.	FLT. LVL.			IN	OUT					
511	13	0825	33.8	78.4							26	eye fair	HAT-R		
512	13	0825	34.0	78.1							22	eye fair	ILM-R		
513	13	0834	34.1	78.1							12	eye good	CHS-R		
514	13	0843	33.9	78.2		53			12	8	C10	well defined	AF	3/1	700MB
515	13	0900	33.8	78.8								eye poor	HAT-R		
516	13	0900	34.0	78.1							18	eye good	ILM-R		
517	13	0900	33.9	78.4									GOES 6	- ,1 IR 8	
518	13	0905	34.1	78.2							8	eye fair	CHS-R		
519	13	0910	34.0	78.1							20	eye good	ILM-R		
520	13	0930	33.9	78.6								center poor	HAT-R		
521	13	0930	34.0	78.2							22	eye good	ILM-R		
522	13	0931	34.1	78.2							7	eye poor	CHS-R		
523	13	0950	34.0	78.3							22	eye good	ILM-R		
524	13	1000	33.7	78.6								center poor	HAT-R		
525	13	1010	34.0	78.3							17	eye fair	ILM-R		
526	13	1013	34.0	78.3							10	center	CHS-R		
527	13	1025	33.8	78.5								center poor	HAT-R		
528	13	1030	33.9	78.2							16	eye good	ILM-R		
529	13	1038	33.9	78.3		70			13	7	C10	well defined	AF	3/1	700MB
530	13	1050	34.0	78.2							23	eye good	ILM-R		
531	13	1100	34.0	78.2							17	center	CHS-R		
532	13	1100	34.0	78.3							24	eye good	ILM-R		
533	13	1105	33.8	78.6								center poor	HAT-R		
534	13	1122	34.1	78.3		45							AF		700MB
535	13	1130	33.8	78.7								center poor	HAT-R		
536	13	1130	34.0	78.3							18	eye good	ILM-R		
537	13	1130	34.0	78.3								center	CHS-R		
538	13	1200	33.9	78.3							16	eye poor	ILM-R		
539	13	1202	34.0	78.3								center	CHS-R		
540	13	1205	34.0	79.0								center poor	HAT-R		

CENTER FIXES
HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER-ISTIGS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	LO.	SFC.	FLT. LVL.			IN	OUT					
541	13	1209	34.0	78.4		54		10	7				AF	3/2	700MB
542	13	1210	34.0	78.3							10	eye fair	ILM-R		
543	13	1225	34.0	78.8								center poor	HAT-R		
544	13	1226	34.0	78.3							30	center	CHS-R		
545	13	1230	34.0	78.3							10	eye fair	ILM-R		
546	13	1250	34.1	78.3							10	eye fair	ILM-R		
547	13	1258	34.0	78.6		55							AF		700MB
548	13	1303	34.0	78.3							25	center	CHS-R		
549	13	1310	34.1	78.3							10	eye poor	ILM-R		
550	13	1325	34.1	78.4							8	eye poor	ILM-R		
551	13	1330	34.0	78.3							20	center	CHS-R		
552	13	1330	34.1	78.9								center poor	HAT-R		
553	13	1341	34.2	78.3							12	eye good	ILM-R		
554	13	1405	34.2	78.5							12	eye good	ILM-R		
555	13	1406	34.1	78.6		36			9	7		poorly def.	AF	3/3	700MB
556	13	1408	34.1	78.4							12	center	CHS-R		
557	13	1428	34.2	78.5							10	eye	ILM-R		
558	13	1430	34.1	78.4							20	center	CHS-R		
559	13	1433	34.1	78.9								center poor	HAT-R		
560	13	1455	34.1	78.4							14	center	ILM-R		
561	13	1500	34.0	78.6							15	center	CHS-R		
562	13	1510	34.1	78.8								center poor	HAT-R		
563	13	1530	34.0	78.6							15	center	CHS-R		
564	13	1530	34.2	78.4							10	center	ILM-R		
565	13	1530	34.2	78.5								center	HAT-R		
566	13	1559	34.3	78.4							20	center	ILM-R		
567	13	1600	33.9	78.6							10	center	CHS-R		
568	13	1610	34.9	78.8								center poor	HAT-R		
569	13	1628	34.3	78.6							15	center	ILM-R		
570	13	1630	33.9	78.6							10	center	CHS-R		

CENTER FIXES
HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
571	13	1633	34.8	78.8								center poor	HAT-R		
572	13	1700	33.9	78.6							12	center	CHS-R		
573	13	1700	34.3	78.5							20	center	ILM-R		
574	13	1706	34.8	78.8								center	HAT-R		
575	13	1725	34.2	78.5							20	center	ILM-R		
576	13	1730	33.9	78.6							12	center	CHS-R		
577	13	1733	34.6	78.0								center poor	HAT-R		
578	13	1755	34.2	78.5							20	center	ILM-R		
579	13	1800	33.9	78.5							10	center	CHS-R		
580	13	1809	34.7	78.4								eye poor	HAT-R		
581	13	1825	34.2	78.5							25	center	ILM-R		
582	13	1855	34.2	78.5							25	center	ILM-R		
583	13	1903	34.8	78.5								center poor	HAT-R		
584	13	1931	35.0	78.6							25	center poor	HAT-R		
585	13	2002	34.5	78.5							14	center	ILM-R		
586	13	2030	28.5	78.5							13	center	ILM-R		
587	13	2058	34.5	78.5							22	center	ILM-R		
588	14	1130	35.8	77.2									GOES 6	- ,5 VIS 1	
589	14	1335	35.9	77.4								center fair	HAT-R		
590	14	1407	36.0	77.0								center fair	HAT-R		
591	14	1427	36.0	76.7								center fair	HAT-R		
592	14	1608	36.3	76.2								center poor	HAT-R		
593	14	1627	36.2	77.0								center poor	HAT-R		
594	14	1709	36.1	77.0								center poor	HAT-R		
595	14	1725	36.1	76.0								center poor	HAT-R		
596	14	2200	36.1	75.2	35	42	1000						AF	5/10	507M
597	14	2352	36.1	74.4	40	36	1000						AF	5/10	507M
598	15	0000	36.2	74.4	55		994						GOES 6	2,1 IR 8	
599	15	0230	36.5	73.3								center fair	HAT-R		
600	15	0500	36.9	72.8	55		994						GOES 6	2,3 IR 8	

CENTER FIXES
HURRICANE DIANA (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	LON.	SFC.	FLT. LVL.			IN	OUT					
601	15	0926	38.1	71.1		59	990	3036	10	6			AF	7/7	700MB
602	15	1100	38.2	70.7									GOES 6	-,3 IR 8	
603	15	1200	38.6	70.3	55		994						GOES 6	2,3 VIS 1	
604	15	1700	40.8	66.3	55		994						GOES 6	2,5 VIS 1	
605	16	0000	43.5	61.9	55		994						GOES 6	2,5 VIS 8	

CENTER FIXES

TROPICAL STORM EDOUARD 13 SEPTEMBER - 15 SEPTEMBER

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
1	13	2014	20.1	95.9	35	28	1004		25	24	E04/18/12	open S.W.	AF	5/3	457M
2	13	2100	20.0	95.7	25								GOES 6	2,5 VIS 1	
3	13	2247	20.3	96.1	30	26	1001	3081	10	12			AF	7/3	700MB
4	14	0000	20.0	95.7	25								GOES 6	2,5 IR 8	
5	14	0500	20.5	96.0	25								GOES 6	2,5 IR 8	
6	14	1300	21.0	96.3	30		1009						GOES 6	2,5 VIS 1	
7	14	1443	20.7	96.1	40	41	1001		24	26			AF	2/2	302M
8	14	1623	20.6	96.1	45	45	1002		24	25			AF	2/5	305M
9	14	1710	20.6	96.0	40	42	1001		23	25			AF	2/6	308M
10	14	1800	20.5	95.9	35		1005						GOES 6	2,5 VIS 1	
11	14	2148	20.5	95.8	40	36	998		23	24	C10	good	AF	3/2	299M
12	14	2316	20.4	95.8	55	40	998		22	24	C15	good	AF	3/2	299M
13	14	2330	20.4	95.8	35		1005						GOES 6	2,5 VIS 1	
14	15	0017	20.3	95.6	55	51	998						AF		
15	15	0221	20.2	95.7		56	1001		23	23	E/2/10/7	closed	AF	5/3	448M
16	15	0500	20.0	95.5	35		1005						GOES 6	2,5 IR 8	
17	15	0622	20.0	95.7		24	1002		22	22	C15	open N.W.	AF	3/1	421M
18	15	0830	20.0	95.8		26	998		21	21			AF		850MB
19	15	1002	20.0	95.6		26	1000		18	20			AF		850MB
20	15	1125	20.0	95.8		24	1001		17	20	C15	well def.	AF	3/2	850MB
21	15	1300	20.2	95.9	35		1009						GOES 6	2/5 VIS 1	
22	15	1800	19.9	96.6									GOES 6	-/5 VIS 1	

CENTER FIXES

TROPICAL STORM FRAN 16 SEPTEMBER - 20 SEPTEMBER

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
1	16	1100	14.1	24.2	30		1009						METEOSAT	2,5 VIS 8	
2	16	1800	14.3	24.4	45		1000						GOES 6	2,5 IR 8	
3	17	0600	16.5	26.5	45		1000						METEOSAT	2,5 IR 8	
4	17	1200	17.7	26.3	55		994						METEOSAT	2,5 IR 8	
5	17	1800	18.2	27.2	55		994						GOES 6	2,5 IR 1	
6	17	2100	19.0	27.5	55		994						METEOSAT	2,5 IR 4	
7	18	0600	20.0	29.0	55		994						METEOSAT	2,5 IR 8	
8	18	1230	21.0	32.0	55		994						GOES 6	2,5 VIS 8	
9	18	1800	21.5	33.0	55		994						GOES 6	3,6 VIS 8	
10	18	2300	21.0	33.8	55		994						METEOSAT	2,5 IR 4	
11	19	0900	22.0	35.0	55		994						METEOSAT	2,5 IR 8	
12	19	1100	20.8	37.8	35		1005						GOES 6	2,3 VIS 1	
13	19	1800	20.5	39.5	35		1005						GOES 6	2,3 VIS 1	
14	20	0000	20.6	41.0	35		1005						GOES 6	2,5 IR 8	
15	20	0500	20.5	42.2	35		1005						GOES 6	2,5 IR 8	
16	20	1200	20.0	43.0	25								GOES 6	2,5 VIS 1	
17	20	1800	20.0	43.4									GOES 6	-/3 VIS 1	

CENTER FIXES

TROPICAL STORM GUSTAV 16 SEPTEMBER - 19 SEPTEMBER

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
1	16	1800	28.6	65.5	30		1009								
2	17	0000	29.0	65.5	30		1009						GOES 6	2,3 VIS 1	
3	17	0500	29.5	65.5	25								GOES 6	3,5 IR 8	
4	17	1200	31.7	65.3	30		1009						GOES 6	2,5 IR 8	
5	17	1800	32.4	64.7	30		1009						GOES 6	2,5 VIS 1	
6	17	2208	32.1	64.5	50	33	1009	22	22				GOES 6	2,5 VIS 1	
7	18	0000	32.5	64.7	30		1009						AF	4/3	415M
8	18	0500	32.5	64.7	25								GOES 6	2,6 IR 8	
9	18	1130	32.3	64.5	25								GOES 6	2,5 IR 8	
10	18	1743	32.3	64.3	20	23	1006	22	23				GOES 6	2,5 VIS 1	
11	18	1800	32.0	64.8	30								AF	2/5	329M
12	18	1955	33.4	63.4	35	31	1006	22	23				GOES 6	2,3 VIS 1	
13	19	0000	33.0	63.6	30		1009						AF	2/5	338M
14	19	0500	33.0	63.0	30		1009						GOES 6	1,5 IR 8	
													GOES 6	2,5 IR 8	

CENTER FIXES

HURRICANE HORTENSE 23 SEPTEMBER - 2 OCTOBER

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
1	23	1200	29.9	59.0	35								GOES 6	2,3 VIS 1	
2	23	1800	29.2	59.1	35								GOES 6	VIS 1	
3	24	0000	28.5	59.2	35								GOES 6	2,5 IR 8	
4	24	0500	28.8	59.2	35								GOES 6	2,5 IR 8	
5	24	1200	28.4	59.6	35								GOES 6	2,5 VIS 1	
6	24	1800	28.5	60.1	35								GOES 6	2,5 VIS 1	
7	24	1915	28.5	60.0	45	42	998		24	24	C3	poorly def.	AF	1/1	994M
8	25	0000	28.5	60.5	45								GOES 6	2,5 IR 8	
9	25	0059	28.6	60.2		48	998		22	23	C10	open S.W.	AF	5/5	405M
10	25	0314	28.9	60.4		43	997						AF	5/5	
11	25	0500	29.0	60.4	45								GOES 6	2,5 IR 8	
12	25	1200	29.5	60.5	45								GOES 6	2,5 VIS 1	
13	25	1227	29.3	60.6	60	60	993		24	23	E05/20/7		AF	3/2	336M
14	25	1401	29.5	60.7	65	70	993		24	23	E36/20/10		AF	2/3	316M
15	25	1752	29.7	60.8	40	32	995		23	23	C10	open S.	AF	3/3	432M
16	25	1800	29.7	60.7	45								GOES 6	2,3 VIS 1	
17	25	1952	29.8	60.9	40	35	995		23	22	C15	open S.	AF	3/3	446M
18	25	2330	30.1	61.1		48	996		24	22		poorly def.	AF	5/3	408M
19	26	0000	30.0	61.0	45								GOES 6	2,3 IR 8	
20	26	0102	30.2	61.0	50		997						AF		
21	26	0500	30.2	61.0	45								GOES 6	2,3 IR 8	
22	26	0527	30.6	61.1		36	997		12	9	C30	poorly def.	AF	5/5	700MB
23	26	0807	30.9	60.9		34							AF		700MB
24	26	1102	31.0	60.8	40	49	996		12	9	C30	open S.W.-E.	AF	5/5	700MB
25	26	1200	31.7	60.6	55		994						GOES 6	2,5 VIS 1	
26	26	1800	32.0	60.8	45		1000						GOES 6	2,5 VIS 1	
27	26	1807	32.0	60.8	35	36	997		11	13			AF	5/5	700MB
28	26	2001	32.1	60.9	50	35	994						AF		700MB
29	27	0030	32.2	61.5	55		994						GOES 6	2,5 IR 8	
30	27	0500	32.3	60.1	55		994						GOES 6	2,5 IR 8	

CENTER FIXES
HURRICANE HORTENSE (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP. (N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
31	27	1130	32.9	59.9	45		1000						GOES 6	2,3 VIS 1	
32	27	1830	32.9	59.8	35								GOES 6	3,3 VIS 1	
33	28	0000	32.8	60.2	35								GOES 6	2,5 IR 1	
34	28	0500	32.5	60.0	35								GOES 6	2,5 IR 8	
35	28	1130	31.8	61.0	45		1000						GOES 6	2,3 VIS 1	
36	28	1730	31.0	61.7	45		1000						GOES 6	1,3 VIS 1	
37	29	0000	30.5	62.4	35		1005						GOES 6	2,3 IR 8	
38	29	0500	30.4	63.1	35		1005						GOES 6	2,3 IR 8	
39	29	1130	30.5	64.0	35		1005						GOES 6	2,3 VIS 1	
40	29	1730	30.7	64.4	35		1005						GOES 6	2,5 VIS 1	
41	30	0000	31.7	65.0	35		1005						GOES 6	2,6 IR 8	
42	30	0500	32.0	64.3	35		1005						GOES 6	2,5 IR 8	
43	30	1200	34.2	63.1	35		1005						GOES 6	2,3 VIS 1	
44	30	1243	34.0	64.1	15	23	1008	23	23				AF	5/10	287M
45	30	1453	35.0	63.5	10	16	1007	23	23				AF	3/10	332M
46	30	1800	35.9	61.7	35		1005						GOES 6	2,3 VIS 1	
47	1	0000	37.2	58.6	35		1005						GOES 6	2,5 IR 8	
48	1	0500	38.0	56.0	30								GOES 6	2,5 IR 8	
49	1	1200	40.5	53.0	35		1005						GOES 6	2,5 VIS 1	
50	1	1800	41.0	49.5	45		1000						GOES 6	2,5 VIS 1	
51	2	0000	41.3	46.4	45		1000						GOES 6	2,5 IR 8	
52	2	0500	40.8	43.3	35		1005						GOES 6	2,5 IR 1	
53	2	1200	43.0	39.0	45		1000						GOES 6	2,5 VIS 1	
54	2	1530	42.5	39.0	45		1000						METEOSAT	2,5 VIS 4	
55	2	2130	43.3	33.0	35		1005						METEOSAT	2,5 IR 8	

CENTER FIXES

TROPICAL STORM ISIDORE 25 SEPTEMBER - 5 OCTOBER

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
1	25	1345	23.4	73.3	22	31	1003		23	24			AF	5/25	1390M
2	25	1430	23.7	73.2	25								GOES 6	2,5 VIS 1	
3	25	1830	24.3	73.4	30		1009						GOES 6	2,5 VIS 1	
4	26	0000	24.0	75.0	30		1009						GOES 6	2,5 IR 8	
5	26	0112	24.5	74.8		22	1003		23	23			AF	5/5	475M
6	26	0415	24.6	75.6		47	1003						AF		
7	26	0500	24.3	75.5	30		1009						GOES 6	2,5 IR 8	
8	26	1208	24.7	77.3	40	37	1004		23	22			AF	5/5	442M
9	26	1230	24.9	77.3	35		1005						GOES 6	2,5 VIS 1	
10	26	1403	24.5	77.3	10	27	1005		22	23			AF	5/5	439M
11	26	1500	25.0	78.1	35		1005						GOES 6	2,5 VIS 1	
12	26	1612	24.8	77.6	35	36	1001		25	23			AF	5/2	302M
13	26	1800	25.0	77.8	45		1000						GOES 6	2,5 VIS 1	
14	26	1814	25.1	77.7	15	31	1000		26	24			AF	5/1	351M
15	26	2100	24.9	78.2	45		1000						GOES 6	2,3 VIS 1	
16	26	2122	25.3	78.3	30	39	999		25	25			AF	3/10	900M
17	26	2200	25.3	77.8								psbl. center	MIA-R		
18	26	2300	25.2	78.0								psbl. center	MIA-R		
19	26	2326	25.5	78.4	25	30	1002		25	26			AF	7/10	740M
20	26	2345	25.0	78.3								psbl. center	MIA-R		
21	27	0000	25.1	78.5	45		1000						GOES 6	2,5 IR 8	
22	27	0045	25.2	78.2								psbl. center	MIA-R		
23	27	0145	25.2	78.3								psbl. center	MIA-R		
24	27	0220	25.2	78.6		45	1004		23	22			AF	5/5	510M
25	27	0245	25.4	78.4								psbl. center	MIA-R		
26	27	0300	25.1	78.7	45		1000						GOES 6	2,5 IR 8	
27	27	0350	25.3	78.8	40		1004		23	23			NOAA	5/5	498M
28	27	0400	25.6	78.5								psbl. center	MIA-R		
29	27	0500	25.6	78.7								psbl. center	MIA-R		
30	27	0500	25.2	78.8	45		1000						GOES 6	2,3 IR 8	

CENTER FIXES
TROPICAL STORM ISIDORE (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTERISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	LN.	SFC.	FLT. LVL.			IN	OUT					
31	27	0525	24.7	78.7							23	fair fix	MIA-R		
32	27	0558	25.8	79.0		40	1002		23	23			NOAA	5/5	507M
33	27	0600	25.7	78.6								psbl. center	MIA-R		
34	27	0630	25.6	78.7								fair fix	MIA-R		
35	27	0702	25.8	78.9								fair fix	MIA-R		
36	27	0725	25.9	79.2								fair fix	MIA-R		
37	27	0805	26.2	79.6								fair fix	MIA-R		
38	27	0849	26.2	79.5		52	1000		24	22			NOAA	3/10	519M
39	27	0900	25.8	79.1	45		1000						GOES 6	2,5 IR 8	
40	27	0900	26.3	79.6								fair fix	MIA-R		
41	27	0925	26.3	79.6								fair fix	MIA-R		
42	27	1005	26.2	79.8								fair fix	MIA-R		
43	27	1019	26.2	79.8		55	1000						NOAA		
44	27	1025	26.1	79.8								fair fix	MIA-R		
45	27	1057	26.4	79.9								fair fix	MIA-R		
46	27	1125	26.5	79.9								good fix	MIA-R		
47	27	1143	26.3	79.9	45	50	1001	24	23				NOAA	3/5	502M
48	27	1200	26.4	79.9	45		1000						GOES 6	2,5 VIS 1	
49	27	1205	26.5	80.0								fair fix	MIA-R		
50	27	1235	26.6	80.1								fair fix	MIA-R		
51	27	1301	26.8	80.1								poor fix	MIA-R		
52	27	1325	26.6	80.0								fair fix	PBI-R		
53	27	1340	26.6	80.0								fair fix	MIA-R		
54	27	1400	26.7	80.0								fair fix	MIA-R		
55	27	1435	26.7	80.3								poor fix	PBI-R		
56	27	1440	26.9	80.1							16	fair fix	MIA-R		
57	27	1459	26.9	80.1							17	fair fix	MIA-R		
58	27	1500	27.1	80.1	45	60	1000		26	22			NOAA	5/10	506M
59	27	1500	26.8	80.0	45		1000						GOES 6	2,5 VIS 1	
60	27	1540	26.8	80.2							20	fair fix	MIA-R		

CENTER FIXES
TROPICAL STORM ISIDORE (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
61	27	1605	26.9	81.2							20	fair fix	MIA-R		
62	27	1645	27.1	80.4							20	fair fix	MIA-R		
63	27	1705	27.2	80.5								poor fix	PBI-R		
64	27	1730	27.2	80.5								poor fix	PBI-R		
65	27	1730	27.2	80.6							18	fair fix	MIA-R		
66	27	1755	27.3	80.5							22	good fix	MIA-R		
67	27	1800	27.3	80.5									GOES 6	-,5 VIS 1	
68	27	1805	27.4	80.4								poor fix	PBI-R		
69	27	1830	27.3	80.6							18	good fix	MIA-R		
70	27	1835	27.1	80.7								poor fix	PBI-R		
71	27	1900	27.3	80.7								good fix	PBI-R		
72	27	1932	27.3	80.7								poor fix	MIA-R		
73	27	1935	27.4	80.7								good fix	PBI-R		
74	27	1958	27.3	80.7								poor fix	MIA-R		
75	27	2301	27.9	81.3									DAB-R		
76	27	2330	27.9	81.4									DAB-R		
77	28	0000	27.7	81.7									GOES 6	-,5 IR 1	
78	28	0002	28.0	81.5									DAB-R		
79	28	0027	28.0	81.7									DAB-R		
80	28	0103	28.1	81.9									DAB-R		
81	28	0125	28.1	81.9									DAB-R		
82	28	0203	28.2	82.1									DAB-R		
83	28	0230	28.2	82.2									DAB-R		
84	28	0306	28.3	82.2									DAB-R		
85	28	0325	28.3	82.3									DAB-R		
86	28	0407	28.4	82.4									DAB-R		
87	28	0430	28.5	82.5									DAB-R		
88	28	0500	28.1	82.4									GOES 6	-,5 IR 8	
89	28	0530	28.6	82.6									DAB-R		
90	28	1200	29.2	82.0									GOES 6	-,5 VIS 1	

CENTER FIXES
TROPICAL STORM ISIDORE (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
91	28	1205	29.1	81.9									DAB-R		
92	28	1226	29.2	81.9									DAB-R		
93	28	1427	29.5	82.0									DAB-R		
94	28	1500	29.7	81.8									GOES 6	-,5 VIS 1	
95	28	1800	30.1	81.8									GOES 6	-,5 VIS 1	
96	28	1835	30.3	81.9									DAB-R		
97	28	1932	30.3	81.8									DAB-R		
98	28	2100	30.5	81.8									GOES 6	-,5 VIS 1	
99	29	0000	30.7	81.3	45		1000						GOES 6	2,5 IR 8	
100	29	0002	31.1	81.4								poor fix	AYS-R		
101	29	0032	31.3	81.0								poor fix	AYS-R		
102	29	0105	31.4	81.2								poor fix	AYS-R		
103	29	0130	31.0	81.2								poor fix	AYS-R		
104	29	0200	31.4	81.2								poor fix	AYS-R		
105	29	0204	30.9	81.1		42	1005	18	17				NOAA	5/10	502M
106	29	0305	31.0	80.9		42	1005	18	17				NOAA	5/10	487M
107	29	0500	31.3	80.6									GOES 6	-,5 IR 8	
108	29	0532	31.3	80.6		35	1005	20	19				NOAA	5/5	450M
109	29	0705	31.5	80.4		40	1004	20	24				NOAA	5/5	439M
110	29	0850	31.6	80.0		40	1003	21	20				NOAA	5/5	429M
111	29	0900	31.8	80.0									GOES 6	-,5 IR 8	
112	29	1038	31.7	79.4		40	1004	21	14				NOAA	5/5	438M
113	29	1141	31.8	79.1	50	50	1004	22	19				NOAA	5/5	438M
114	29	1200	32.0	79.0	30		1009						GOES 6	2,5 VIS 1	
115	29	1454	32.6	78.4	40	50	1004	21	19				NOAA	5/15	474M
116	29	1608	33.1	78.0			1005						NOAA		
117	29	1757	33.1	77.3	35	48	1002	23	18				NOAA	5/7.5	460M
118	29	1800	32.7	77.3	30		1009						GOES 6	2,3 VIS 1	
119	29	2012	33.4	76.8	45	57	1001	23	18				NOAA	5/5	500M
120	29	2100	33.0	76.6									GOES 6	-,3 VIS 1	

CENTER FIXES
TROPICAL STORM ISIDORE (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
121	30	0000	33.4	75.9	30		1009						GOES 6	2,4 IR 8	
122	30	0219	34.8	76.1		18		3117	7	8			AF	5/20	700MB
123	30	0500	33.8	74.5	30		1009						GOES 6	3/5 IR 8	
124	30	0502	34.1	74.4		29			16	15			AF	10/10	850MB
125	30	1130	34.5	72.7	35	40	1007		21	20			AF	5/5	405M
126	30	1230	34.0	72.0	30		1009						GOES 6	2,5 VIS 1	
127	30	1312	35.3	71.6	35	36	1008		22	21			AF	5/2	326M
128	30	1539	35.3	70.9	20	28	1007		22	21			AF	5/5	357M
129	30	1751	35.2	70.7	20	28	1007		23	23			AF	5/5	360M
130	01	0000	35.5	67.0	30		1009						GOES 6	2,5 IR 8	
131	01	0500	36.0	64.6	30								GOES 6	2,5 IR 8	

CENTER FIXES

HURRICANE JOSEPHINE 7 - 21 OCTOBER

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP. (N.MI.)	CHARACTER-ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
1	6	2200	24.3	68.8	25										
2	7	0500	24.5	69.0	25								GOES 6	2,5 VIS 1	
3	7	1200	24.0	69.1	25								GOES 6	2,5 IR 8	
4	7	1800	24.6	70.1	35								GOES 6	2,5 VIS 1	
5	7	2025	23.9	70.1	20	13	1008						GOES 6	2,5 VIS 1	
6	7	2115	23.9	70.1	25	09	1008						AF	3/2	405M
7	8	0000	24.6	70.1	35								AF		
8	8	0500	25.0	71.0	40								GOES 6	2,5 IR 8	
9	8	1200	23.9	71.6	35		1005						GOES 6	2,5 IR 8	
10	8	1407	23.8	71.6	60	56	1002		23	22		poorly def.	GOES 6	2,15 VIS 1	
11	8	1607	24.2	71.2	45	43	1000						AF	4/15	400M
12	8	1700	24.2	71.4	40	42	999						AF	4/20	
13	8	1730	24.2	71.7	45		1000						AF	4/15	408M
14	9	0000	24.5	71.3	45		1000						GOES 6	2,3 VIS 1	
15	9	0026	24.7	72.4		45	995	25	24		E36/30/20	poorly def.	GOES 6	2,15 IR 8	
16	9	0220	24.7	72.3		67	994	25	24		C35	open east	AF	4/15	356M
17	9	0411	24.8	72.2		63	994	23	24		C35	open east	AF	4/20	364M
18	9	0500	24.9	71.8		55	994						AF	4/15	340M
19	9	0507	24.9	72.2		50	994	24	22		C35	open east	GOES 6	2,5 IR 8	
20	9	1200	25.0	71.5	55		994						AF	4/15	361M
21	9	1216	25.4	72.1	40	33	996	23	25				GOES 6	2,5 VIS 1	
22	9	1435	26.1	72.0	60	57	995						AF	4/5	308M
23	9	1712	26.4	72.0	80	60	993						AF	4/5	326M
24	9	1800	26.6	72.3	60		990						GOES 6	2,3 VIS 1	
25	10	0000	26.9	72.9	60		990						GOES 6	2,3 IR 8	
26	10	0017	26.9	72.1		70	988	18	15		C50	poorly def.	AF	5/5	850MB
27	10	0230	27.1	72.2		62	989	18	15		C50	poorly def.	AF	10/10	850MB
28	10	0500	27.2	72.8		64	987	10	8		C50	poorly def.	AF	5/10	700MB
29	10	0500	27.6	72.4	65		987						GOES 6	2,5 IR 8	
30	10	1128	27.5	72.6	50	55	971	11	10		C45	poorly def.	AF	5/2	700MB

CENTER FIXES
HURRICANE JOSEPHINE (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
31	10	1200	27.5	72.7	65		987						GOES 6	2,5 VIS 1	
32	10	1406	27.8	72.6	40	69	987	2956	10	9	E36/45/35	poorly def.	AF	5/2	700MB
33	10	1701	27.8	72.8	65	66	984	2938	11	9	C30	poorly def.	AF	5/2	700MB
34	10	1800	27.9	72.6	71		983						GOES 6	2,3 VIS 1	
35	10	2103	28.2	72.6	75	72	984		24	24	C40	closed	AF	3/5	462M
36	11	0000	28.5	72.4	77		979						GOES 6	1,3 IR 8	
37	11	0001	28.5	72.4		48	983	2972	11	11	C35	closed	AF	5/10	700MB
38	11	0205	28.5	72.6		68	982	2919	11	9	C35	closed wall	AF	5/10	700MB
39	11	0500	29.0	72.3	77		979						GOES 6	2,3 IR 8	
40	11	0536	28.8	72.6		65	981	2890	13	12	C25	closed wall	AF	5/5	700MB
41	11	0721	29.4	72.6		48		2879					AF		
42	11	0916	29.5	72.4		62	975	2862	13	11	C20	poorly def.	AF	5/5	
43	11	1103	29.5	72.4		52	974	2850	14	13	C20	poorly def.	AF	5/5	700MB
44	11	1200	29.7	71.8	90		970						GOES 6	2,3 VIS 1	
45	11	1419	29.9	72.0	60	56	975	2873	14	11	C50	open south	AF	3/3	700MB
46	11	1705	30.5	71.9	65	63		2856	14	10	C45	closed wall	AF	3/3	700MB
47	11	1800	30.6	71.8	90		970						GOES 6	2,3 VIS 1	
48	11	1834	30.7	72.0	65	59	970	2845	14	10	C50	open south	AF	3/3	700MB
49	11	2002	30.7	71.8	65	61	972	2839	14	11	C45	open south	AF	3/3	700MB
50	11	2330	31.4	71.7		78	970	2818	12	9	C40	open S.W.	AF	3/3	700MB
51	12	0000	31.5	71.5	90		970						GOES 6	2,3 IR 8	
52	12	0133	31.4	71.7		78		2822	12	10	C60	open S.W.	AF	3/3	700MB
53	12	0318	31.8	71.7		113	972	2826	12	12	C70	poorly def.	AF	3/3	700MB
54	12	0500	32.0	71.6	77		979						GOES 6	2,3 IR 8	
55	12	0521	32.0	71.6		85	971	2829	11	11	C60	open south	AF	5/5	700MB
56	12	0903	32.8	71.8		47	974	2857	12	12	C40	well def.	AF	5/5	700MB
57	12	1100	32.9	72.0	75	49		2867	12	10	C40	well def.	AF	5/1	700MB
58	12	1200	33.2	71.4	77		979						GOES 6	2,3 VIS 1	
59	12	1307	33.0	72.0		37		2876					AF		700MB
60	12	1401	33.0	71.9		41	986	2944	12	11			AF	5/5	700MB

CENTER FIXES
HURRICANE JOSEPHINE (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTERISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
61	12	1800	33.5	71.4	77		979						GOES 6	2,3 VIS 1	
62	12	1811	33.6	71.4	50	59	976	2854	10	11	C40	poorly def.	AF	4/5	700MB
63	12	2015	33.8	71.5		76	971	2841	11	10	C40	poorly def.	AF	4/5	700MB
64	12	2202	33.9	71.5		68	970		28	29			AF		
65	12	2311	34.1	71.5		65	971	2829	12	11	E09/40/30	poorly def.	AF	4/5	700MB
66	13	0000	33.8	71.5	77		979						GOES 6	2,5 IR 8	
67	13	0243	34.1	71.5		83		2837	11	11	E36/40/30	poorly def.	AF	3/6	700MB
68	13	0500	34.5	71.8	77		979						GOES 6	2,3 IR 8	
69	13	0519	34.6	71.2		52	973	2837	11	10	C40	open S.W.	AF	6/3	700MB
70	13	0801	35.0	71.2		79	974	2830	11	11			AF	6/3	700MB
71	13	1200	35.4	70.9	65		987						GOES 6	2,15 VIS 1	
72	13	1201	35.3	71.5	40	50	975	2846	11	10	E09/40/35	poorly def.	AF	4/4	700MB
73	13	1411	35.6	71.4		69	975	2848	12	10			AF	4/4	700MB
74	13	1500	35.9	71.5									GOES 6	-,3 VIS 1	
75	13	1713	36.1	71.8	30	38	973	2838	11	11		poorly def.	AF	4/5	700MB
76	13	1800	36.0	71.8	65		987						GOES 6	2,3 VIS 1	
77	13	1931	36.1	71.9		35		2837	11	12	C20	open S.	AF	4/4	700MB
78	14	0000	36.5	72.2	65		987						GOES 6	2,5 IR 8	
79	14	0307	36.7	71.6		53	979	2867	10	11	C20	poorly def.	AF	3/3	700MB
80	14	0500	36.9	71.1	65		987						GOES 6	2,5 IR 8	
81	14	0504	36.8	71.7		65	975	2863	13	10	C20	poorly def.	AF	3/3	700MB
82	14	0850	36.5	71.6		59	973	2824	11	9	C30	poorly def.	AF	4/1	700MB
83	14	1113	36.7	71.6		45	974	2828	11	9			AF	5/2	700MB
84	14	1200	36.8	71.4		65	987						GOES 6	2,5 VIS 1	
85	14	1409	36.5	71.4	65	55	969	2808	10	10	C30	poorly def.	AF	5/3	700MB
86	14	1601	36.5	71.0		43	966	2798					AF		700MB
87	14	1714	36.3	70.9		62	968	2790	11	9	C30	poorly def.	AF	5/2	700MB
88	14	1800	36.4	71.1	65		987						GOES 6	2,3 VIS 1	
89	14	2022	36.2	70.6	50	64	966	2769	11	8	C40	open N-NE	AF	5/3	700MB
90	14	2301	35.9	70.0	50	55	966	2778	11	9	C40	open NE-E	AF	3/3	700MB

CENTER FIXES
HURRICANE JOSEPHINE (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
91	15	0000	36.0	69.5	65		987						GOES 6	2,1 IR 8	
92	15	0039	36.0	69.6	53			2776	11	7	C40	open N.	AF	3/3	700MB
93	15	0257	36.1	68.9		70	964	2766			C40	open N.	AF	5/5	700MB
94	15	0500	36.1	67.9	65		987						GOES 6	2,3 IR 8	
95	15	0624	36.3	67.7		42	971	2810	13	8	C30	open N.W.	AF	6/3	700MB
96	15	0815	36.3	67.4		60	971	2809	13	8	C30	poorly def.	AF	5/3	700MB
97	15	1001	36.6	66.8	61			2808					AF		700MB
98	15	1159	36.7	66.9		50	973	2815	11	8	C20	poorly def.	AF	3/3	700MB
99	15	1200	36.8	66.7	65								GOES 6	2,3 IR 8	
100	15	1444	37.3	65.8	50	57		2827	12	12	C30-65	poorly def.	AF	5/5	700MB
101	15	1704	37.6	65.4	80	50	971	2825	11	11		poorly def.	AF	5/5	700MB
102	15	1800	37.5	65.0	65								GOES 6	2,3 VIS 1	
103	16	0000	39.0	62.5	55		994						GOES 6	2,5 IR 8	
104	16	0600	39.1	61.0	65		987						GOES 6	2,3 IR 8	
105	16	1230	40.3	59.5	65		987						GOES 6	2,5 VIS 1	
106	16	1730	40.5	58.4	65		987						GOES 6	2,5 VIS 1	
107	17	0000	41.0	56.0	55		994						GOES 6	2,5 IR 8	
108	17	0600	42.0	54.8	55		994						GOES 6	2,5 IR 8	
109	17	1230	43.2	53.8	55		994						GOES 6	2,5 VIS 1	
110	17	1800	43.5	54.0	55		994						GOES 6	2,5 VIS 1	
111	18	0000	44.0	54.5	55		994						GOES 6	2,5 IR 8	
112	18	0600	44.0	55.0	45		1000						GOES 6	2,3 IR 8	
113	18	1200	43.8	56.8	45		1000						GOES 6	2,5 VIS 1	
114	18	1800	44.0	57.3	35		1005						GOES 6	2,5 VIS 1	
115	19	0000	42.5	57.5	45		1000						GOES 6	2,5 IR 8	
116	19	0600	41.1	57.0									GOES 6	-,3 IR 8	
117	19	1200	40.2	54.8									GOES 6	-,3 VIS 1	
118	19	1800	40.2	53.3									GOES 6	-,3 VIS 1	

CENTER FIXES

HURRICANE KLAUS 5 - 13 NOVEMBER

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTERISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
1	5	2215	15.1	68.5	15	23	1003		25	24			AF	4/30	347M
2	6	0600	15.5	66.5	25								GOES 6	2,5 IR 8	
3	6	1200	15.8	67.7	25								GOES 6	2,5 VIS 8	
4	6	1800	16.8	66.3	35								GOES 6	2,5 VIS 8	
5	6	1821	16.8	66.7	25	36	1001		25	25		poorly def.	AF	3/5	262M
6	7	0030	17.0	66.0	35		1005						GOES 6	2,5 IR 8	
7	7	0500	18.3	65.7	35								GOES 6	2,5 IR 8	
8	7	1200	18.4	64.9	45		1000						GOES 6	2,5 VIS 8	
9	7	1208	18.5	65.3	50	67	996		25	24		open	AF	1/5	360M
10	7	1438	18.7	65.1	35	33	998		26	25	C40	closed E.	AF	1/5	287M
11	7	1721	19.0	64.9	60	82	995		25	24	C20	closed	AF	1/5	363M
12	7	1800	18.9	64.8	50		997						GOES 6	2,5 VIS 8	
13	7	2030	19.7	63.8	55		994						GOES 6	2,5 VIS 1	
14	8	0026	19.4	63.8		63	988		25	20	C15	open S.W.	AF	3/3	457M
15	8	0030	20.0	63.5	55		994						GOES 6	2,5 IR 8	
16	8	0246	19.4	63.5		70	988						AF		
17	8	0300	20.5	63.0	55		994						GOES 6	2,3 IR 8	
18	8	0337	19.5	63.6		30	988						AF		
19	8	0521	19.5	63.3		61	988		26	22	E15/40/20	poorly def.	AF	3/5	479M
20	8	0600	20.5	63.0	55		994						GOES 6	2,3 IR 8	
21	8	1140	19.6	62.3	90	90	987		25	26	C15	poorly def.	AF	2/5	475M
22	8	1200	20.1	61.7	65		987						GOES 6	2,5 VIS 1	
23	8	1355	19.7	62.1	95	95	987						AF		
24	8	1557	19.8	61.7	50			3011					AF		700MB
25	8	1705	19.9	61.4		50	990	3003	16	11	E18/20/30	closed wall	AF	3/5	700MB
26	8	1800	20.0	61.1	65		987						GOES 6	2,5 VIS 1	
27	8	2358	20.5	60.7		47	982	2955	14	8	C40	open S.	AF	3/5	700MB
28	9	0030	20.0	60.5	65		987						GOES 6	2,5 IR 8	
29	9	0204	20.9	60.5		39	986	2976					AF		700MB
30	9	0544	21.1	60.0		57	981	2931	14	9	C50	poorly def.	AF	3/5	700MB

CENTER FIXES

HURRICANE KLAUS (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
31	9	0544	21.1	60.0		57	981	2931	14	9	C50	poorly def.	AF	3/5	700MB
32	9	0600	20.9	60.0	77		979						GOES 6	2,3 IR 8	
33	9	1121	21.7	59.5	60	54	982	2939	15	10			AF	3/3	700MB
34	9	1200	22.3	58.9	77		979						GOES 6	2,3 VIS 8	
35	9	1325	21.8	59.4	45	52		2935					AF		700MB
36	9	1456	22.1	59.0	70	39		2953					AF		700MB
37	9	1628	22.5	58.9	70	81		2901					AF		700MB
38	9	1705	22.6	58.8	80	70	979	2889	17	11	E05/30/20	open S.W.	AF	3/5	700MB
39	9	1800	23.1	58.1	77		979						GOES 6	2,5 VIS 1	
40	9	2343	23.6	57.8	71		980	2899	15	14		poorly def.	AF	5/5	700MB
41	10	0000	24.1	56.3	77		979						GOES 6	2,5 IR 8	
42	10	0210	24.0	57.3		65	979	2910					AF		700MB
43	10	0327	24.1	57.0		66	978	2889					AF		700MB
44	10	0501	24.4	56.6		76	979	2898	16	14		poorly def.	AF	5/5	700MB
45	10	0600	25.0	56.0	65		987						GOES 6	2,5 IR 8	
46	10	1200	26.0	55.2	65		987						GOES 6	2,5 VIS 8	
47	10	1250	26.4	55.2	65	59	978	2908	15	11	C05		AF	3/3	700MB
48	10	1519	27.3	54.7	55	63	974	2877					AF		700MB
49	10	1750	28.0	54.2	60	38	971	2860	19	10	C05		AF	3/3	700MB
50	10	1900	28.5	52.7	65		987						GOES 6	2,5 VIS 1	
51	11	0000	31.0	51.8	65		987						GOES 6	2,5 VIS 1	
52	11	0600	33.3	50.4	65		987						GOES 6	2,5 IR 8	
53	11	1200	32.2	52.4	65		987						GOES 6	2,5 VIS 8	
54	11	1800	33.6	52.7	55		994						GOES 6	2,5 VIS 8	
55	12	0000	34.7	53.3	55								GOES 6	2,5 IR 8	
56	12	0600	35.5	53.6	55								GOES 6	2,15 IR 8	
57	12	1200	35.0	55.0	55		994						GOES 6	2,5 VIS 8	
58	12	1800	35.1	54.7	55		994						GOES 6	2,5 VIS 8	
59	13	0000	36.6	52.6	55								GOES 6	2,5 IR 8	
60	13	0600	37.4	50.8	55								GOES 6	2,5 IR 8	

CENTER FIXES

HURRICANE LILI 12 - 24 DECEMBER

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
1	12	1200	34.5	60.5	45								GPES 6	2,3 VIS 1	
2	12	1800	35.5	60.0	45								GOES 6	2,3 VIS 1	
3	13	1200	35.5	60.0	35								GOES 6	2,3 VIS 1	
4	13	1800	33.7	59.7	35								GOES 6	2,3 VIS 1	
5	14	0000	32.0	59.0	30								GOES 6		
6	14	0600	32.5	58.5	30								GOES 6		
7	14	1200	31.9	56.2	35								GOES 6	3,3 VIS 1	
8	14	1800	30.4	56.1	35								GOES 6	3,3 VIS 1	
9	15	0000	28.5	56.0	35								GOES 6	3,3 IR 8	
10	15	0600	27.0	55.5	35								GOES 6	3,3 IR 8	
11	15	1230	25.7	56.2	45								GOES 6	2,3 VIS 1	
12	15	1830	24.4	56.3	55		994						GOES 6	2,3 VIS 1	
13	16	0030	23.3	56.0	55		994						GOES 6	2,3 IR 8	
14	16	0600	22.5	55.7	55		994						GOES 6	2,3 IR 8	
15	16	1230	22.7	54.1	55		994						GOES 6	2,3 VIS 1	
16	16	1800	23.3	52.9	55		994						GOES 6	2,5 VIS 1	
17	17	0000	24.5	51.0	55		994						GOES 6	2,5 IR 8	
18	17	0600	26.5	50.0	55		994						GOES 6	2,5 IR 8	
19	17	1230	31.5	49.5	55		994						GOES 6	2,3 VIS 1	
20	17	1800	33.0	51.5	55		994						GOES 6	2,5 VIS 1	
21	18	0000	34.5	53.0	55		994						GOES 6	2,5 IR 8	
22	18	1200	33.1	53.8	55								GOES 6	2,3 VIS 1	
23	18	1800	33.3	53.3	55		994						GOES 6	2,3 VIS 1	
24	19	0000	32.6	53.2	55		994						GOES 6	2,3 IR 8	
25	19	0600	32.5	52.7	60		990						GOES 6	2,3 IR 8	
26	19	1200	32.8	52.5	65		987						GOES 6	2,1 VIS 1	
27	19	1800	32.3	52.5	65		987						GOES 6	2,1 VIS 1	
28	20	0000	32.0	52.9	65		987						GOES 6	2,1 IR 8	
29	20	0600	31.0	52.8	77		979						GOES 6	2,1 IR 8	
30	20	1200	30.8	52.3	90		970						GOES 6	2,1 VIS 1	

CENTER FIXES
HURRICANE LILI (CONTINUED)

FIX NO.	DATE	TIME (GMT)	POSITION		MAX WIND (KT)		MIN. PRES. (MB)	MIN. 700MB HT. (M)	TEMP. C		EYE C=CIR.DIA. E=ELIP.(N.MI.)	CHARACTER- ISTICS	OBS. UNIT	RESOLUTION	ACFT. ALT.
			LAT.	Lon.	SFC.	FLT. LVL.			IN	OUT					
31	20	1800	30.6	52.3	90		970						GOES 6	2,1 VIS 1	
32	21	0000	30.0	52.2	90		970						GOES 6	2,1 IR 8	
33	21	0600	29.5	52.4	77		979						GOES 6	1,1 IR 8 4	
34	21	1200	29.2	51.8	90		970						GOES 6	1,1 VIS 1	
35	21	1800	28.6	52.3	90		970						GOES 6	1,1 VIS 1	
36	22	0000	27.9	52.3	77		979						GOES 6	1,1 IR 8	
37	22	0600	27.2	53.0	77		979						GOES 6	2,3 IR 8	
38	22	1200	26.2	54.2	77		979						GOES 6	1,1 VIS 1	
39	22	1800	24.7	56.1	77		979						GOES 6	1,1 VIS 1	
40	23	0000	22.9	57.9	77		979						GOES 6	2,1 IR 8	
41	23	0600	21.8	59.0	65		987						GOES 6	2,5 IR 8	
42	23	1230	22.3	61.6	65		987						GOES 6	2,5 VIS 1	
43	23	1531	22.1	62.4	45		1000						GOES 6	2,5 VIS 1	
44	23	1800	21.8	63.2	45		1000						GOES 6	2,3 VIS 1	
45	23	1845	21.0	62.9	35	35	1007		21	21			AF	5/5	418M
46	23	2041	20.9	63.8	45	50	1007		22	22	C25		AF	5/5	335M
47	24	0000	20.7	65.2	45		1000						GOES 6	2,3 IR 8	
48	24	0600	20.0	67.5	35		1005						GOES 6	2,3 IR 8	
49	24	1200	19.1	69.2									GOES 6	-,5 VIS 1	

Table 7. Supplementary vortex messages, 1984 tropical and subtropical cyclones.

Arthur

URNT12 KMIA 291943
AF969 0304 CYCLONE OB 07 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01118 10557 10006 12423 18028
02118 20554 20007 22422 18037
03118 30552 30007 32522 17026
04118 40550 40008 42522 17021
05118 50547 50009 52421 15029
06118 60543 60010 62523 15020
07119 70542 70010 72322 14023
MF118 M0556 MF050
OBS 01 AT 1847Z OBS 07 AT 1917Z OBS 07 SFC WND 15030
REMARKS 118 056 004 CONSISTENT FIELD NEAR CNTR 4550KTS
AT SFC. EXTENDS OUT ABOUT 80NM

URNT12 KMIA 300019
AF969 0304 CYCLONE ON 12 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01125 10576 10010 12521 02017
02124 20575 20010 22521 03023
03123 30572 30010 32421 02020
04122 40569 40009 42522 03022
05120 50565 50009 52522 /////
06119 60563 60009 62422 99005
MF124 M0564 MF027
OBS 01 AT 2218Z OBS 06 AT 2243Z
OBS 01 SFC WND 05015
RELIABILITY OF WIND DATA QUESTIONABLE DUE TO
INTERMITTENT DOPPLER FAILURE.

Table 7 continued.

URNT12 KMIA 300656
AF964 0404 ARTHUR OB 05 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01144 10574 10013 12323 06031
02142 20575 20012 22323 03024
03139 30575 30012 32422 06035
04137 40575 40011 42323 04035
05134 50574 60010 62222 03027
07/// 7//// 7//// 7//// 7////
MF134 M0574 MF037
OBS 01 AT 0511Z OBS 06 AT 0533Z
OBS 01 SFC WND /////
01127 10571 10009 12323 31021
02125 20571 20009 22423 29013
03123 30571 30010 32323 31016
04119 40572 40011 42321 30009
05117 50572 50011 52323 32026
06115 60572 60011 62323 32006
07113 70572 70011 72321 27010
MF117 M0572 MF026
OBS 01 AT 0553Z OBS 07 AT 0621Z
OBS 07 SFC WND /////
REMARKS 129 571 009

URNT12 KMIA 300913
AF964 0404 ARTHUR OB 08 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01128 10553 10013 12323 13034
02128 20554 20013 22222 16030
03129 30558 30013 32222 14032
04128 40560 40012 42222 14032
05127 50569 50011 52323 18015
06127 60565 60011 62323 15020
07127 70568 70010 72323 19019
08128 80571 80009 82323 18010
MF128 M0553 MF034
OBS 01 AT 0717Z OBS 08 AT 0752Z
OBS 01 SFC WND /////
01133 10575 10009 12323 27016
02132 20576 20010 22322 32022
03132 60580 30010 32322 32023
04132 40582 40011 42323 31018
05132 50585 50012 52323 32020
06132 60588 60012 62323 32019
07132 70589 70012 72323 29021
MF132 M0580 MF023
OBS 01 AT 0815Z OBS 07 AT 0845Z
OBS 07 SFC WND /////
REMARKS 132 572 009

Table 7 continued.

URNT12 KMIA 301125
AF964 0404 ARTHUR OB 10 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01119 10573 10011 12423 35018
02122 20573 20012 22322 33019
03123 30573 30011 32322 36017
04125 40573 40011 42323 29021
05128 50573 60010 62322 34016
07133 70573 70010 72323 /////
MF125 M0575 MF021
OBS 01 AT 09040Z OBS 07 AT 1009Z
OBS 01 SFC WND 99005
01135 10574 10009 12323 /////
02139 20575 20010 22222 /////
03142 30575 30010 32323 /////
04143 40575 40012 42323 /////
05145 50576 50012 52222 /////
06148 60575 60013 62222 /////
07150 70575 70013 72222 /////
MF/// M///// MF///
OBS 01 AT 1015Z OBS 07 AT 1043Z
OBS 07 SFC WND 05020
REMARKS 132 572 009 APRNT WND CNTR 13.3N 57.3W

URNT12 KMIA 301245
AF964 0404 ARTHUR OB 13 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01135 10585 10012 12323 /////
02135 20582 20011 22222 /////
03135 30579 30010 32222 /////
04134 40578 40010 42222 /////
MF/// M///// MF///
OBS 01 AT 1130Z OBS 04 AT 1144Z
OBS 01 SFC WND 35015
REMARKS 134 575 000

Table 7 continued.

URNT12 KMIA 301845
AF977 0504 ARTHUR OB 04 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01140 10578 10007 125// 21017
02140 20575 20008 224// 22013
03140 30573 30008 325// 22023
04140 40570 40009 423// 19028
05140 50568 50010 523// 20030
06140 60565 60010 623// 20029
07141 70562 70010 723// 19017
MF140 M0568 MF030
OBS 01 AT 1801Z OBS 07 AT 1827Z
OBS 07 SFC WND 19025
REMARKS 140 580 007 CONSTANT RAIN OUTBOUND LEG

URNT12 KMIA 302045
AF977 0504 ARTHUR OB 07 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01158 10580 10011 123// 08024
02155 20580 20011 223// 07038
03153 30580 30009 324// 07035
04150 40581 40009 420// 07042
05148 50580 50009 523// 06043
06145 60580 60008 623// 04032
07143 70577 70008 723// 01008
MF148 M0580 MF043
OBS 01 AT 1909Z OBS 07 AT 1938Z
OBS 01 SFC WND 08025
01139 10581 10007 125// 30019
02137 20581 20007 224// 28015
03134 30580 30008 324// 24017
04132 40580 40010 424// 24011
05129 50580 50010 525// 25022
06127 60580 60011 625// 26015
07124 70580 70011 724// 28006
MF129 M0580 MF022
OBS 01 AT 1957Z OBS 07 AT 2024Z
OBS 07 SFC WND 26015
REMARKS 141 580 007

Table 7 continued.

URNT12 KMIA 302250
AF977 0504 ARTHUR OB 10 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01140 10562 10010 124// 16028
02141 20565 20010 225// 14037
03141 30567 30009 324// 16046
04141 40569 40009 424// 16030
05141 50572 50009 524// 19035
06141 60575 60009 624// 18027
MF141 M0567 MF046
OBS 01 AT 2107Z OBS 06 AT 2132Z
OBS 01 SFC WND 16030
01143 10579 10009 123// 02020
02143 20581 20010 224// 02025
03142 30584 30011 324// 05025
04142 40590 40011 423// 04014
05142 50592 50012 524// 01005
06142 60594 60012 624// 35012
MF143 M0581 MF025
OBS 01 AI 2152Z OBS 06 AT 2216Z
OBS 06 SFC WND 35015

URNT12 KMIA 302250
AF977 0504 ARTHUR OB 10 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01140 10562 10010 124// 16028
02141 20565 20010 225// 14037
03141 30567 30009 324// 16046
04141 40569 40009 424// 16030
05141 50572 50009 524// 19035
06141 60575 60009 624// 18027
MF141 M0567 MF046
OBS 01 AT 2107Z OBS 06 AT 2132Z
OBS 01 SFC WND 16030
01143 10579 10009 123// 02020
02143 20581 20010 224// 02025
03142 30584 30011 324// 05025
04142 40590 40011 423// 04014
05142 50592 50012 524// 01005
06142 60594 60012 624// 35012
MF143 M0581 MF025
OBS 01 AT 2152Z OBS 06 AT 2216Z
OBS 06 SFC WND 35015
REMARKS 143 576 007

Table 7 continued.

URNT12 KMIA 302045
AF977 0504 ARTHUR OB 07 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01158 10580 10011 123// 08024
02155 20580 20011 223// 07038
03153 30580 30009 324// 07035
04150 40581 40009 423// 07042
05148 50580 50009 523// 06043
06145 60580 60008 623// 04032
07143 70577 70008 723// 01008
MF148 M0580 MF043
OBS 01 AT 1909Z OBS 07 AT 1938Z
OBS 01 SFC WND 08025
01139 10581 10007 125// 30019
02137 20581 20007 224// 28015
03134 30580 30008 324// 24017
04132 40580 40010 424// 24011
05129 50580 50010 525// 25022
06127 60580 60011 625// 26015
07124 70580 70011 724// 28006
MF129 M0580 MF022
OBS 01 AT 1957Z OBS 07 AT 2024Z
OBS 07 SFC WND 26015
REMARKS 141 580 007

URNT12 KMIA 310115
AF977 0504 ARTHUR OB 13 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01125 10576 10011 124// 24025
02128 20576 20011 224// 23022
03130 30577 30011 324// 24025
04132 40577 40011 424// 23032
05135 50576 50011 523// 24031
06137 60576 60010 624// 23033
07140 70577 70009 725// 24013
MF137 M0576 MF033
OBS 01 AT 2252Z OBS 07 AT 2313Z
OBS 01 SFC WND /////
01147 10576 10009 124// 13017
02149 20576 20011 222// 12020
03152 30576 30011 323// 08027
04154 40577 4///// 4///// 09037
05157 50577 50013 522// 08033
06159 60577 60013 622// 07031
07162 70577 70014 722// 08021
MF154 M0577 MF037
OBS 01 AT 2325Z OBS 07 AT 2349Z
OBS 07 SFC WND /////
REMARKS 144 576 009

URNT12 KMIA 311020
AF964 0105 CYCLONE OB 10 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01147 10466 10013 12216 33020
02148 20463 20013 22020 32025
03151 30461 30012 32121 31020
04153 40457 40010 42424 04025
05152 50454 50010 52323 04020
06149 60450 60010 62424 02020
07148 70448 70009 72424 03025
08148 80446 80008 82424 05010
MF148 M0448 MF025
OBS 01 AT 0810Z OBS 08 AT 0908Z
OBS 01 SFC WND /////
01147 10443 10009 12424 21040
02146 20440 20010 22424 20030
03145 30438 30011 32323 20030
04145 40435 40012 42323 20030
MF146 M0442 MF045
OBS 01 AT 0945Z OBS 04 AT 1001Z
OBS 07 SFC WND 18035
REMARKS 147 445 007

URNT12 KMIA 010100
AF964 0704 ARTHUR OB 15 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01169 10585 10012 12222 11022
02172 20585 20013 22323 11022
03174 30586 30014 32222 10035
04177 40586 40014 42222 08025
05180 50586 50016 52222 10020
06184 60586 60016 62222 08028
07186 70585 70016 72121 09012
MF174 M0586 MF035
OBS 01 AT 2400Z OBS 07 AT 0035Z
OBS 01 SFC WND /////
REMARKS 167 585 011

Table 7 continued.

URNT12 KMIA 010434 COR
AF964 0704 ARTHUR OB 20 COR KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01152 10588 10014 12323 99005
02154 20588 20013 22422 20012
03156 30588 30013 32423 22014
04158 40588 40013 42323 21011
05162 50588 50013 52323 19018
06164 60588 60012 62423 20024
07166 70588 70012 72323 18012
MF164 M0588 MF024
OBS 01 AT 0344Z OBS 07 AT 0414Z
OBS 01 SFC WND /////
REMARKS 166 590 012

Table 7 continued.

URNT12 KMIA 020115
AF972 0904 ARTHUR OB 02 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01165 10607 10012 12422 99005
02167 20608 20013 22422 99005
03170 30607 30012 32422 99005
04172 40607 40012 42322 99005
05176 50607 50012 52322 99005
06174 60607 60012 62322 99005
07180 70608 70012 72322 04017
08182 80609 80012 82322 05019
MF175 M0607 MF009
OBS 01 AT 2318Z OBS 08 AT 2353Z
OBS 01 SFC WND /////
01185 10610 10014 12222 05023
02188 20610 20014 22322 06023
03190 30609 30014 32321 07031
04192 40609 40014 42320 07026
05195 50608 50015 52320 08019
06197 60608 60015 62321 07020
07200 70608 70015 72321 05020
MF190 M0609 MF031
OBS 01 AT 0000Z OBS 07 AT 0031Z
OBS 07 SFC WND /////
REMARKS 183 610 011

URNT12 KMIA 020300
AF972 0904 ARTHUR OB 04 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01182 10627 10015 12321 06020
02182 20624 2///// 2///// 06024
03182 30621 30015 32321 03020
04182 40618 40014 42321 03020
05182 50615 50014 52322 05020
06182 60613 60014 62322 04017
07182 70611 70012 72321 05020
08182 80608 80013 82321 04020
09182 90605 90012 92221 03023
MF182 M0602 MF030
OBS 01 AT 0115Z OBS 09 AT 0148Z
OBS 01 SFC WND /////
01181 10603 10012 12323 14021
02181 20602 20011 22323 15021
03181 30598 30013 32323 13027
04181 40595 40013 42322 14025
05182 50592 50014 50000 14015
06182 60590 60014 62222 12012
07182 70587 70015 72322 11011
MF181 M0598 MF027
OBS 01 AT 0153Z OBS 07 AT 0224Z
OBS 07 SFC WND /////
REMARKS 181 602 011

Table 7 continued.

URNT12 KMIA 030112
AF977 1104 ARTHUR OB 04 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01189 10615 10012 124// 08025
02192 20615 20014 223// 07013
03197 30615 30014 324// 07017
04199 40615 40015 424// 08015
05201 50615 50015 524// 07008
06203 60614 60015 624// 05016
07205 70614 70016 724// 04015
MF190 M0620 MF035
OBS 01 AT 0032Z OBS 07 AT 0102Z
OBS 07 SFC WND /////
REMARKS 187 615 011

Table 7 continued.

URNT12 KMIA 030410
AF977 1104 ARTHUR OB 07 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01187 10633 10015 152// 03009
02187 20630 20014 224// 04016
03187 30627 30014 324// 03016
04187 40625 40014 425// 01015
05187 50623 50014 524// 03017
06187 60620 60013 624// 01015
07187 70617 70012 725// 30016
MF187 M0622 MF020
OBS 01 AT 0146Z OBS 07 AT 0216Z
OBS 07 SFC WND /////
01185 10613 10014 124// 21015
02188 20611 30014 225// 16018
03188 30608 30014 325// 15023
04188 40604 40015 425// 14016
05189 50602 50015 525// 17016
06190 60600 60015 624// 18006
07190 70598 70016 725// 18010
MF189 M0610 MF030
OBS 01 AT 0302Z OBS 07 AT 0336Z
OBS 07 SFC WND /////
REMARKS 187 615 011
APPARENT EYEWALL FORMING W-N-E RADAR SHOWS
FEEDER BANK DEVELOPMENT EXTENDING EASTWARD

URNT12 KMIA 030606
AF977 1104 ARTHUR OB 10 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01207 10616 10015 124// 07009
02204 20616 20014 225// 09016
03201 30616 30014 324// 06025
04199 40615 40014 425// 08023
05197 50615 50013 524// 09025
06194 60616 60011 626// 12029
07191 70616 70008 724// 12027
MF196 M0615 MF030
OBS 01 AT 0410Z OBS 07 AT 0447Z
OBS 07 SFC WND /////
01188 10618 10012 125// 29015
02187 20619 30012 225// 24008
03184 30619 30012 324// 28008
04181 40619 40013 424// 23006
05/// 5///// 5///// 5///// /////
06/// 6///// 6///// 6///// /////
07/// 7///// 7///// 7///// /////
MF188 M0618 MF015
OBS 01 AT 0529Z OBS 04 AT 0542Z
OBS 04 SFC WND /////
REMARKS 191 618 008
LAST REPORT OBS 01-10 TO KMIA
ETA MKPA 03/0610Z

Table 7 continued.

URNT12 KMIA 031324
AF977 1204 ARTHUR OB 04 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01193 10618 10013 126// 18025
02194 20616 20015 226// 16025
03194 30613 30016 326// 13024
04195 40610 40015 423// 15017
05195 50608 50015 526// 18017
06195 60605 60016 626// 17017
07195 70602 70016 726// 17017
MF193 M0620 MF027
OBS 01 AT 1231Z OBS 07 AT 1300Z
OBS 07 SFC WND 16015
REMARKS 193 621 011

Table 7 continued.

URNT12 KMIA 031531
AF977 1204 ARTHUR OB 07 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01211 10622 10017 125// 16018
02208 20624 20016 225// 15015
03205 30624 30016 324// 14020
04203 40623 40015 424// 08020
05/// 5//// 50014 526// 12020
06203 60623 60012 626// 09015
MF204 M0623 MF022
OBS 01 1348Z OBS 06 AT 1403Z
OBS 01 SFC WND 16018
01194 10623 10012 125// 25010
02191 20622 20015 225// 23008
03188 30622 30015 324// 25010
04186 40622 40016 425// 24005
05184 50622 50016 525// 23008
06181 60622 60016 625// 21005
07179 70622 70016 725// 22005
MF190 M0623 MF0012
OBS 01 AT 1427Z OBS 07 AT 1451Z
OBS 07 SFC WND 22005
REMARKS 195 623 011 ALL WINDS ARE ESTIMATED
LAST REPORT OBS 01-07 TO KMIA ETA MKPA 03/1510Z

URNT12 KMIA 031743
AF972 1304 ARTHUR OB 03 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01178 10622 10016 12422 20015
02181 20623 20016 22422 19012
03184 30623 30015 32623 21015
04187 40623 40014 42623 23020
05189 50623 50014 52623 23019
06192 60624 60013 62523 22021
07195 70626 70013 72523 /////
08196 80625 80012 82524 28018
MF192 M0624 MF021
OBS 01 AT 1622Z OBS 08 AT 1651
OBS 01 SFC WND 19005
01198 10626 10011 12525 36023
02198 20629 20013 22524 32022
03198 30632 30014 32523 02016
04198 40634 40013 42523 04011
05198 50637 50014 52323 99005
06198 60640 60014 62523 03010
07098 70643 70014 72522 03009
MF198 M0626 MF023
OBS 01 AT 1704Z OBS 07 AT 1720Z
OBS 07 SFC WND 02010
REMARKS 198 624 010

Table 7 continued.

URNT12 KMIA 040055
AF964 1404 ARTHUR OB 04 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01188 10631 10016 12424 28009
02191 20630 20016 22424 99005
03193 30630 30015 32424 27007
04195 40625 40015 42424 29011
05198 50627 50015 52424 24011
06201 60626 60014 62424 25016
MF201 M0626 MF016
OBS 01 AT 0626Z OBS 06 AT 2346Z
OBS 01 SFC WND /////
01206 10627 10015 12323 09021
02209 20626 20016 22323 08020
03212 30627 30016 32424 09023
04214 40627 40017 42323 06023
05217 60628 50017 52323 07022
06219 60628 60017 62424 07021
07221 70628 70017 72423 07012
MF212 M0627 MF023
OBS 01 AT 0015Z OBS 07 AT 0039Z
OBS 07 SFC WND /////
REMARKS 203 627 012

URNT12 KMIA 040206
AF964 1404 ARTHUR OB 07 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01204 10646 10017 12423 02005
02205 20644 20017 22424 04014
03205 30641 30017 32424 05013
04206 40639 40017 42424 04015
05204 50636 50016 52424 03014
06203 60633 60015 62424 01014
07203 70630 70014 72424 33018
MF203 M0630 MF018
OBS 01 AT 0121Z OBS 07 AT 0154Z
OBS 01 SFC WND /////
01202 10629 10015 12323 27021
02199 20629 20016 22424 23019
03195 30629 30017 32323 24009
04193 40629 40017 42424 25006
05191 50629 50017 52424 27008
06189 60629 60017 62424 26014
07187 70629 70017 72424 28005
MF202 M0629 MF021
OBS 01 AT 0213Z OBS 07 AT 0240Z
OBS 07 SFC WND /////
REMARKS 204 629 012
LAST REPORT OBS 01-07 TO KMIA
ETA MKPA 04/0325Z

Table 7 continued.

URNT12 KMIA 010434
AF964 0704 ARTHUR OB 20 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01152 10588 10014 12323 99005
02154 20588 20013 22422 20012
03156 30588 30013 32423 22014
04158 40588 40013 42323 21011
05162 50588 50013 52323 19018
06164 60588 60012 62423 20024
07166 70588 70012 72323 18012
MF164 M0588 MF024
OBS 01 AT 0344Z OBS 07 AT 0414Z
OBS 01 SFC WIND /////
REMARKS 166 590 012

URNT12 KMIA 010607
AF964 0704 ARTHUR OB 24 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01168 10594 10011 12323 06024
02168 20595 20012 22222 05025
03168 30597 30013 32322 06027
04168 40601 40013 42222 04028
05167 50603 50013 52322 05027
06168 60605 60013 62323 07019
MF168 M0601 MF028
OBS 01 AT 0507Z OBS 07 AT 0535Z
OBS 01 SFC WIND /////
REMARKS 166 590 012
LAST REPORT OBS 0124 TO KMIA
ETA MKPA 01/0610Z

Table 7 continued.

URNT12 KMIA 050710
AF980 1504 ARTHUR OB 05 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01235 10685 10018 12423 09010
02235 20682 20018 22223 07015
03235 30678 30018 32424 05013
04235 40675 40018 42423 06018
05233 50670 50017 52423 16014
MF235 M0674 MF020
OBS 01 AT 0507Z OBS 05 AT 0534Z
OBS 01 SURFACE WIND /////
01232 10668 10015 12424 18030
02232 20666 20017 22423 16027
03232 30662 30017 32424 14030
04232 40661 40018 42424 13025
05233 50658 50018 52424 13025
06233 60655 60018 62423 14017
07233 70653 70019 72423 14020
MF232 M0662 MF030
OBS 01 AT 0602Z OBS 07 AT 0631Z
OBS 01 SURFACE WIND /////
REMARKS 233 672 014
SHOWERS LINED UP IN APPARENT BANDS
ALONG WEST SIDE OF CENTER

URNT12 KMIA 050927
AF980 1504 ARTHUR OB 08 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01849 10672 10018 12523 99005
02247 20675 20018 22524 11021
03243 30674 30017 32524 10020
04241 40676 40017 42524 10024
05238 50676 50016 52423 06030
06235 60674 60015 62524 03011
MF238 M0676 MF030
OBS 01 AT 0716Z OBS 06 AT 0749Z
OBS 01 SURFACE WIND /////
01234 10674 10017 12423 21010
02231 20673 20017 22523 99005
03228 30674 30018 32423 20013
04226 40674 40018 42423 15013
05224 50674 50018 52423 16011
06221 60674 60017 62423 14011
07219 70674 70017 72323 13013
MF228 M0674 MF013
OBS 01 AT 0819Z OBS 07 AT 0850
OBS 01 SURFACE WIND /////
REMARKS 236 673 014

Table 7 continued.

URNT12 KMIA 051135
AF980 1504 ARTHUR OB 11 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01238 10695 10019 12422 99005
02238 20693 20019 22423 99005
03238 30690 30019 32423 01016
04238 40687 40018 42423 36013
05238 50684 50019 52423 36014
06238 60682 60017 62424 34015
07239 70678 70014 72626 26013
MF238 M0670 MF016
OBS 01 AT 1020Z OBS 07 AT 1050Z
OBS 01 SURFACE WIND /////
REMARKS 240 679 014 NO OUTBOUND LEG

URNT12 KMIA 051840
AF964 0604 ARTHUR OB 04 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01223 10675 10020 12322 09007
02226 20675 20019 22524 13009
03228 30675 30020 32424 15013
04230 40675 40019 42524 13009
05233 50675 50019 52524 14010
06235 60675 60019 62524 14009
07238 70678 70019 72424 24008
08240 80679 80019 82524 19015
09241 90683 90019 92424 18006
10241 00686 00019 02524 19009
11242 10690 10018 12424 30005
MF240 M0679 MF015
OBS 01 AT 1713Z OBS 11 AT 1806
OBS 01 SFC WND 09010
REMARKS 242 690 018
ETA 26N 70W 1845Z

BERTHA

URNT12 KNIA 011300
AF969 0205 BERTHA 08 07 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01172 10506 10014 12219 36010
02172 20506 20013 22319 36008
03172 30503 30013 32420 33011
04173 40500 40012 42420 30022
05173 50498 50012 52420 31014
06176 60497 60010 62421 33008
07176 70496 70010 72422 35019
MF173 M0493 MF027
OBS 01 AT 1124Z OBS 07 AT 1149Z
OBS 01 SFC WND 01010
01175 10492 10011 12422 21018
02175 20490 20011 22422 19016
03175 30487 30012 32422 17015
04175 40485 40013 42421 18016
05175 50482 50014 52421 16015
06175 60480 60014 62421 17017
07175 70477 70014 72421 15016
MF175 M0492 MF018
OBS 01 AT 1210Z OBS 07 AT 1239Z
OBS 07 SFC WND 16015
REMARKS 176 495 009

URNT12 KNIA 011515 COR
AF969 0205 BERTHA OB 10 COR KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01193 10499 10012 12421 07017
02191 20500 20012 22421 07022
03188 30500 30012 32422 05024
04186 40499 40011 42422 05025
05183 50498 50010 52422 07026
06181 60498 60009 62522 11018
07179 70499 70009 72523 11009
MF183 M0498 MF026

OBS 01 AT 1327Z OBS 07 AT 1352Z
OBS 01 SFC WND 09015

01175 10499 10012 12422 27009
02173 20499 20013 22422 27013
03170 30499 30013 32320 25014
04168 40499 40014 42320 23011
05165 50499 50014 52320 23010
06162 60499 60015 62320 23019
07160 70499 70015 72320 20011
MF162 M0499 MF019

OBS 01 AT 1429Z OBS 07 AT 1454Z

OBS 07 SFC WND 22010
REMARKS 176 495 009

URNT12 KMIA 021310
AF977 0405 BERTHA OB 07 KMIA
01197 10531 10016 123// 26022
02220 20530 20015 223// 29022
03230 30530 30015 329// 25015
04204 40530 40015 424// 25016
05208 50531 50014 524// 26010
06/// 6/// 6/// 6/// /////
07/// 7/// 7/// 7/// /////
MF200 M0530 MF022
OBS 01 AT 1145Z OBS 05 AT 1202Z
OBS 01 SFC WND 25010
01211 10531 10014 124// 99005
02213 20531 20014 224// 33008
03215 30531 30013 324// 02009
04218 40531 40013 424// 07012
05221 50531 50014 524// 09013
06223 60531 60014 624// 08024
07225 70531 70014 724// 09025
MF225 M0531 MF025
OBS 01 AT 1234Z OBS 07 AT 1251Z
OBS 07 SFC WND 10025
REMARKS 208 531 014

URNT12 KMIA 011750 COR
AF969 0205 BERTHA OB 14 COR KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01191 10506 10011 12322 06020
02190 20506 20010 22422 07020
03188 30504 30009 32422 06020
04186 40503 40010 42422 07021
05/// 5/// 5/// 5/// /////
06/// 6/// 6/// 6/// /////
07/// 7/// 7/// 7/// /////
MF186 M0503 MF021
OBS 01 AT 1642Z OBS 04 AT 1654Z
OBS 01 SFC WND 05020
REMARKS 182 501 009
LEG INBND TO CNTR FROM NW TO CENTER FROM 60 NM POINT

URNT12 KMIA 011710
AF969 0205 BERTHA OB 13 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01180 10485 10014 12320 15018
02181 20488 20014 22320 18020
03181 30490 30014 32320 19021
04181 40493 40013 42320 19023
05181 50495 50012 52320 19017
06182 60498 60011 62420 18024
07182 70501 70010 72521 16008
MF182 M0489 MF024

OBS 01 AT 1536Z OBS 07 AT 1602Z
OBS 01 SFC WND 17020

01184 10502 10010 12522 11017
02186 20503 20010 22422 09025
03188 30505 30010 32422 07020
04191 40506 40011 42322 06021
05/// 5///// 5///// 5///// /////
06/// 6///// 6///// 6///// /////
07/// 7///// 7///// 7///// /////

MF186 M0503 MF025
OBS 01 AT 1626Z OBS 04 AT 1637Z
OBS 07 SFC WND /////

OBS 04 SFC WND 000/20
REMARKS 182 501 009

URNT12 KMIA 021525
AF977 0405 BERTHA OB 10 KMIA
01209 10551 10016 124// 99005
02208 20548 20016 224// 99005
03208 30545 30016 324// 99005
04208 40543 40016 424// 27004
05208 50541 50016 524// 30007
06208 60538 60015 624// 30007
07210 70534 70015 724// 30008
MF210 M0534 MF008
OBS 01 AT 1336Z OBS 07 AT 1402Z
OBS 01 SFC WND 99005
01215 10526 10013 124// 23012
02215 20523 20014 224// 21022
03215 30521 30014 324// 19025
04215 40518 40014 424// 18026
05216 50516 50015 523// 18028
06217 60513 60015 622// 18036
07217 70510 70015 723// 17038
MF217 M0510 MF038
OBS 01 AT 1429Z OBS 07 AT 1454Z
OBS 07 SFC WND 17040
REMARKS 215 526 014

URNT12 KMIA 021655
AF977 0405 BERTHA OB 13 KMIA
01231 10528 10013 122// 05025
02230 20529 20012 223// 07026
03228 30530 30012 323// 07015
04225 40529 40011 423// 06009
05/// 5/// 5/// 5/// /////
06/// 6/// 6/// 6/// /////
07/// 7/// 7/// 7/// /////
MF230 M0529 MF026
OBS 01 AT 1534Z OBS 04 AT 1548Z
OBS 01 SFC WND 06035
01221 10529 10012 124// 22014
02216 20528 20013 225// 22016
03215 30528 30013 325// 24018
04213 40527 40014 425// 22011
05211 50527 50014 524// 22014
06208 60527 60015 624// 21019
07206 70527 70015 724// 20020
MF206 M0527 MF020
OBS 01 AT 1607Z OBS 07 AT 1636Z
OBS 07 SFC WND 21020
REMARKS 223 525 011

URNT12 KMIA 031506
AF964 0505 BERTHA OB 09 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01298 10515 10014 12219 13003
02295 20515 20013 22219 13004
03292 30516 30013 32319 13007
04290 40516 40013 42319 12004
05287 50516 50013 52319 99005
06285 60514 60013 62319 99005
07283 70512 70013 72319 99005
MF298 M0515 MF008
OBS 01 AT 1403Z OBS 07 AT 1441Z
OBS 07 SFC WND 99005
REMARKS 278 516 012

NNNN

URNT12 KMIA 031352
AF964 0505 BERTHA OB 07 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01260 10536 10016 12320 32005
02261 20533 20016 22320 30005
03263 30531 30016 32320 30006
04264 40529 40016 42320 30010
05265 50526 50015 52320 31018
06267 60524 60015 62320 29013
07269 70522 70014 72320 29017
08275 80517 80013 82321 29020
MF276 M0516 MF021
OBS 01 AT 1144Z OBS 08 AT 1224Z
OBS 01 SFC WND 99005
01277 10513 10013 12422 18008
02278 20511 20013 22322 17007
03278 30508 30013 32321 16013
04279 40505 40014 40+21 15011
05279 50502 50014 52321 14023
06278 60499 60014 62321 17019
07278 70496 70014 72321 15029
MF278 M0496 MF029
OBS 01 ATO 1241Z OBS 07 AT 1322Z
OBS 07 SFC WND 16025
REMARKS 278 516 012 GUSTS TO 35 KTS BENEATH
RW OUTBOUND BTWN 60 AND 90 PTS

URNT12 KMIA 101015 DIANA
AF969 0608 DIANA 03 04 KMIA
01303 10009 13111 10804 32032
02303 20806 23098 20705 31035
03305 30802 33073 30805 33031
04307 40800 43036 40707 34048
MF307 M0800 MF048
OBS 01 AT 1636Z OBS 04 AT 1651Z
OBS 01 SFC WND /////
01307 10793 13002 10909 20045
02307 20798 23077 20805 18060
03307 30787 33094 30805 19047
04307 40781 43114 40703 20036
05307 50781 53121 50704 20030
06307 60779 63124 60775 19038
07307 70776 73130 70704 20038
MF307 M0789 MF063
OBS 01 AT 1715Z OBS 07 AT 1737Z
OBS 01 SFC WND 17040
REMARKS 306 796 906

URNT12 KMIA 101934
AF969 0608 DIANA 03 07 KMIA
01323 10795 13113 10804 10023
02321 20796 23111 20004 08017
03318 30795 33101 30804 09029
04315 40795 43090 40707 09043
05313 50795 53079 50806 07043
06311 60795 63014 60806 07056
MF311 M0795 MF056
OBS 01 AT 1814Z OBS 06 AT 1835Z
OBS 01 SFC WND 07014
01309 10795 13021 10808 25050
02304 20795 23073 20803 27037
03301 30793 33093 30705 24033
04299 40794 43103 40805 27036
05296 50794 53111 50704 26035
06293 60794 63110 60704 26024
07291 70794 73124 70704 26019
MF309 M0795 MF050
OBS 01 AT 1845Z OBS 07 AT 1910Z
OBS 01 SFC WND 23030
REMARKS 309 795 906
BROAD BAND OF 80 TO 90 KT SFC
WIND SOUTH OF CENTER

URNT12 KMIA 110000
 AF969 0608 DIANA OB 18 KMIA
 01309 10771 13118 10703 19034
 02311 20775 23115 20702 18042
 03311 30778 33103 30804 18040
 04311 40780 43095 40702 18036
 05313 50783 53076 50705 17046
 06313 60787 63037 60706 17059
 07313 70789 7//// 7//// 15076
 MF313 M0789 MF076
 OBS 01 AT 2237Z OBS 07 AT 2305Z
 OBS 01 SFC WND 19040
 01309 10792 13025 10706 28064
 02308 20794 23051 20705 30053
 03308 30797 33077 30805 33035
 04308 40799 43091 40705 33032
 05308 50802 53100 50803 34027
 06307 60804 63106 60803 34030
 MF309 M0792 MF064
 OBS 01 AT 2329Z OBS 06 AT 2351Z
 OBS 01 SFC WND /////
 REMARKS 313 792 977
 LAST REPORT OBS 0118 TO KMIA
 ETA KBIK 11/0130Z

URNT12 KMIA 131010
AF972 1308 DIANA OB 03 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01331 10789 13117 107// 30040
02333 20787 23108 208// 29030
03334 30786 33081 308// 30036
04336 40784 43032 408// 30053
05338 50783 53913 511// 26048
MF336 M0784 MF053
OBS 01 AT 0812Z OBS 05 AT 0828Z
OBS 01 SFC WIND://///
01343 10777 10308 108// 15041
02343 20773 23111 207// 17036
03343 30772 33118 308// 17038
04343 40771 43120 407// 17044
05346 50676 53138 507// 15036
06348 60765 63148 608// 17028
07347 70762 73156 707// 17021
MF343 M0771 MF044
OBS 01 AT 0900Z OBS 07 AT 0942Z
OBS 07 SFC WIND://///
REMARKS 339 782 977
DEW POINT HYGROMETER INOP

URNT12 KMIA 131118
AF972 1308 DIANA OB 05 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01338 10762 13160 108// 19032
02339 20763 23142 208// 18031
03339 30767 33137 307// 16038
04341 40769 43124 407// 15048
05339 50773 53109 508// 15038
06339 60776 63061 607// 15038
07338 70778 73028 708// 17063
MF338 M0778 MF063
OBS 01 AT 1005Z OBS 07 AT 1031Z
OBS 01 SFC WIND://///
01337 10784 13011 109// 31045
02335 20785 23076 205// 33040
03333 30790 33076 306// 33037
MF337 M0784 MF045
OBS 01 AT 1048Z OBS 03 AT 1101Z
OBS 03 SFC WIND://///
REMARKS 339 783 ///
DEW POINT HYGROMETER INOP

URNT12 KMIA 131200
AF972 1308 DIANA OB 07 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01342 10779 13073 107// 33013
02341 20775 23103 207// 19036
03339 30773 33124 307// 20039
04339 40768 43133 406// 20030
MF342 M0773 MF039
OBS 01 AT 1130Z OBS 04 AT 1143Z
OBS 01 SFC WIND://///
REMARKS 341 783 ///

URNT12 KMIA 131245
AF972 1308 DIANA OB 09 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01338 10787 13045 108// 35021
02335 20788 23097 206// 34042
03334 30789 33115 307// 32032
04332 40792 43130 407// 30028
MF335 M0788 MF042
OBS 01 AT 1221Z OBS 04 AT 1235Z
OBS 04 SFC WND://///
REMARKS 340 784 ///

URNT12 KMIA 131336
AF972 1308 DIANA OB 11 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01338 10785 13025 108// 29045
02336 20781 23049 207// 22064
03340 30778 33096 308// 18060
04341 40776 43109 407// 18057
05342 50773 5///// 5///// 18056
MF339 M0779 MF076
OBS 01 AT 1307Z OBS 05 AT 1325Z
OBS 05 SFC WND://///
REMARKS: 340 786 ///

URNT12 KMIA 142305
AF977 1508 DIANA OB 10 KMIA
01338 10750 10009 124// 24026
02340 20750 20009 224// 23027
03343 30750 30008 325// 24031
04345 40750 40008 424// 24037
05347 50751 50007 524// 24035
06350 60752 60004 621// 26042
07353 70753 70002 722// 27033
08354 80758 80002 823// 28024
09357 90753 90001 923// 27016
10360 00753 00001 023// 27004
11361 10752 10000 122// 99005
MF350 M0752 MF042
OBS 01 AT 2059Z OBS 11 AT 2200Z
OBS 01 SFC WND 21020
01363 10752 10002 123// 35014
02366 20752 20003 222// 03017
03368 30752 30005 322// 05019
MF368 M0752 MF019
OBS 01 AT 2224Z OBS 03 AT 2235Z
OBS 03 SFC WND 04020
REMARKS 361 752 000
OUTBOUND LEG SHORTEN BY HOT WARNING AREA

URNT12 KMIA 150022
AF977 1508 DIANA 03 12 KMIA
SUPPLEMENTARY VORTEX MESSAGE
01357 10737 10004 122// 20036
02358 20740 20004 222// 21024
03358 30743 30001 322// 23013
04358 40747 40000 422// 33021
MF357 M0737 MF036
OBS 01 AT 2321Z OBS 04 AT 2339Z
OBS 01 SFC WND 19035
REMARKS 361 744 000

URNT12 KMIA 151100

AF985 1608 DIANA OB 03 KMIA

SUPPLEMENTARY VORTEX MESSAGE

01365 10742 13102 10753 30037

02368 20738 23091 20651 31050

03370 30736 33081 30602 30033

04372 40734 43075 40404 30041

05374 50732 53069 50505 31038

06376 60730 63061 60501 31044

07378 70728 73055 70602 31040

08379 80725 73036 70703 33052

09380 70722 73039 70905 32053

00382 80719 03024 80707 32059

11383 10717 13006 10606 34053

MF382 M0719 MF059

OBS 01 AT 0827Z OBS 11 AT 0909Z

OBS 01 SFC WIND: /////

01381 10706 13958 10908 26016

02381 20704 23969 21106 22018

03381 30700 33984 30909 20034

04381 40697 43010 40606 21065

05382 50694 53033 50606 19052

06383 60691 63066 60704 19058

07383 70687 73069 70504 19052

MF381 M0697 MF065

OBS 01 AT 0952Z OBS 07 AT 1015Z

OBS 07 SFC WIND: 20050

REMARKS:381 711 990

EDOUARD

URNT12 KMIA 132157
AF365 0109 CYCLONE OB 09 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01202 10956 13091 11010 20023
02201 20953 23100 20909 16020
03201 30950 33102 30909 18017
04201 40948 43105 40907 18020
05201 50945 53112 51010 17020
06201 60943 63112 61010 19010
07200 70940 73112 70909 17015
MF202 M0956 MF023
OBS 01 AT 2058Z OBS 07 AT 2124Z
OBS 07 SFC WND 12015
REMARKS 201 959 004
OBS 0108 TRANSMITTED AS AF365 01XX INVEST

URNT12 KMIA 141545
AF964 0209 CYCLONE OB 05 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
012- 10960 10012 12320 08016
02220 20960 20012 22320 08017
03217 30960 30012 32321 08010
04215 40960 40011 42422 10012
05213 50960 50010 52422 10016
06210 60960 60007 62422 09032
07208 70961 70004 72423 08041
MF208 M0961 MF041
OBS 01 AT 1405Z OBS 07 AT 1435Z
OBS 01 SFC WND 09015
01204 10960 10005 12524 24048
02201 20960 20009 22423 26036
03199 30961 30010 32322 27032
04197 40961 40011 42321 28014
MF204 M0960 MF048
OBS 01 AT 1456Z OBS 04 AT 1511Z
OBS 04 SFC WND 27010
REMARKS 207 961 001
OUTBND LEG ABBREV DUE TO LND PROX
SFC WND 250/45 NOTED 10 TO 20 NM S OF CNTR,

URNT12 KMIA 141730
AF964 0209 EDOUARD OB 08 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01206 10944 10012 12321 17008
02206 20947 20012 22421 16011
03206 30947 30012 32421 16007
04206 40950 40012 42412 15015
05207 50954 50011 52422 17012
06207 60956 60011 62422 18016
07207 70958 70007 72423 17045
MF207 M0958 MF045

OBS 01 AT 1549Z OBS 07 AT 1615Z
OBS 01 SFC WND 99005

01205 10965 10009 12322 30042
02205 20967 20011 22222 31030
03206 30969 30012 32221 32023
MF205 M0965 MF042

OBS 01 AT 1624Z OBS 03 AT 1655Z
OBS 03 SFC WND 34020

REMARKS 206 961 002 OUT2ND LEG ABBREV DUE TO
LAND PROXIMITY

URNT12 KMIA 142322
AF969 0309 EDOUARD OB 05 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01227 10958 10011 12320 07014
02225 20958 20011 22320 06018
03223 30957 30010 32320 06018
04220 40957 40010 42219 08018
05215 50957 50009 62320 11020
06214 60957 60009 62321 11016
07212 70958 70008 72321 12024
08212 80960 80007 82320 12032
09207 90960 90004 92321 06036
MF207 M0960 MF036

OBS 01 AT 2102Z OBS 09 AT 2137Z
OBS 01 SFC WND 09010

01203 10958 10003 12322 27052
02200 20957 20006 22221 22041
03198 30957 30008 32319 28010
04196 40957 40008 42320 99005
MF203 M0958 MF052

OBS 01 AT 2200Z OBS 04 AT 2214Z
OBS 04 SFC WND 99005

REMARKS 205 958 998
60 KT SURFACE WIND 10 NM SOUTH OF CENTER

URNT12 KNIA 150037
AF969 0309 EDOUARD OB 08 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01205 10945 10009 12320 14010
02205 20947 20008 22220 13017
03204 30950 30008 32220 15026
04203 40953 40008 42220 17027
05203 50956 50003 52220 19040
MF203 M0956 MF040
OBS 01 AT 2246Z OBS 05 AT 2309Z
OBS 01 SFC WND 12010
01204 10961 10006 12321 33034
02204 20963 20008 22321 32021
MF204 M0961 MF034
OBS 01 AT 2330Z OBS 02 AT 2333Z
OBS 02 SFC WND 30025
REMARKS 204 958 998
STRONGEST SFC WND SOUTH THRU EAST
OF CENTER UNDER RAIN BANDS

URNT12 KMIA 150146 COR
AF969 0309 EDOUARD OB 11 COR KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01194 10957 10008 12321 99005
02197 20956 20008 22321 99005
03199 30956 30008 32220 21010
04202 40958 40004 42220 22051
MF202 M0958 MF051
OBS 01 AT 2356Z OBS 04 AT 0013Z
OBS 01 SFC WND 99005
01205 10958 10003 12321 09064
02207 20958 20007 22320 10034
03210 30958 30008 32320 11026
04212 40958 40008 42321 08014
05214 50958 50009 52321 10012
MF205 M0958 MF064
OBS 01 AT 0020Z OBS 05 AT 0038Z
OBS 05 SFC WND 08015
REMARKS 204 958 998

URNT12 KMIA 150400
AF969 0309 EDOUARD OB 14 KMIA
SUPPLEMENTARY VORTEX MESSAGE
01203 10942 10009 12419 16010
02203 20946 20010 22219 16016
03203 30947 30010 32220 17015
04203 40950 40010 42220 17016
05203 50953 50009 52318 17016
06202 60955 60006 62120 19045
MF202 M0956 MF056
OBS 01 AT 0124Z OBS 06 AT 0151Z
OBS 01 SFC WINDS /////
01225 10959 12473 11614 03023
02227 20958 22487 21513 99005
MF205 M0959 MF023
OBS 01 AT 0229Z OBS 02 AT 0235Z
OBS 02 SFC WINDS /////
REMARKS 202 957 001

URNT12 KMIA 150727

AF972 0409 EDOUARD OB 06 KMIA

SUPPLEMENTARY VORTEX MESSAGE

01220 10958 10012 12219 11017

02218 20958 20011 22320 08018

03215 30958 30011 32320 09024

04213 40958 40011 42220 12009

05211 50958 50011 52220 08017

06208 60958 60010 62320 07023

07206 70958 70009 72220 11021

08203 80958 80009 82220 06018

MF215 M0958 MF024

OBS 01 AT 0544 OBS 08 AT 0615Z

OBS 01 SFC WIND: /////

01198 10958 12009 12120 20012

02195 20958 22009 22320 18014

MF195 M0958 MF014

OBS 01 AT 0638Z OBS 02 AT 0644Z

OBS 02 SFC WND: /////

REMARKS 200 957 002

LIGHT TURB SOUTH WALL

URNT12 KMIA 151010

AF972 0409 EDUARD OB 09 KMIA
SUPPLEMENTARY VORTEX MESSAGE

01199 10930 10009 12418 13006
02199 20941 20009 22320 12015
03198 30944 30009 32420 13018
04198 40947 40009 42320 10018
05198 50949 50009 52119 16017
06198 60953 60008 62119 15023
07198 70955 70008 72120 13026
MF198 M0955 MF026

OBS 01 AT 0725Z OBS 07 AT 0755Z

OBS 01 SFC WIND: /////

01200 10959 12431 11816 09010
02203 20958 22455 21616 12026
03207 30959 32462 31615 10012
04209 40959 42471 41615 99005
05212 50959 52468 51615 09017
06215 60959 62465 61515 05012
07217 70960 72472 71515 10009
MF203 M0958 MF026

OBS 01 AT 0855Z OBS 07 AT 0926Z

OBS 07 SFC WND: /////

REMARKS 200 958 998
DEPARTED LOW LVL DUE TO TURB AND
NEG RADAR PRESENTATION

URNT12 KMIA 151235

RF972 0409 EDUARD 03 12 KMIA

SUPPLEMENTARY VORTEX MESSAGE

01201 10940 12462 11613 17014

02200 20942 22462 21613 17016

03199 30945 32462 31613 17023

04199 40947 42462 41613 17018

05200 50950 52462 51413 10021

06200 60953 62456 61513 17020

07199 70955 72431 71714 16024

NF199 M0955 NF024

OBS 01 AT 1044Z OBS 07 AT 1112Z

OBS 01 SFC WND // // //

01202 10958 12455 11614 08007

02205 20958 22465 21514 10013

03207 30958 32465 31615 06015

04210 40959 42471 41515 06011

05212 50958 52471 51615 05010

06215 60958 62471 61610 05023

07218 70958 72474 71708 06023

NF215 M0958 NF023

OBS 01 AT 1145Z OBS 07 AT 1212Z

OBS 01 SFC WND 08010

REMARKS 200 958 001

URNT12 KNIA 181906
 AF972 0211 GUSTAV OB 09 KNIA
 SUPPLEMENTARY VORTEX DATA MESSAGE
 01319 10651 10007 122// 36023
 02320 20648 20007 222// 34021
 03320 30645 30006 323// 34014
 04322 40642 40006 423// 27012
 MF319 M0651 MF023
 OBS 01 AT 1722Z OBS 04 AT 1737Z
 OBS 04 SFC WND 01020
 01323 10639 10006 12321 23006
 02323 20636 20006 22321 23013
 03323 30633 30006 32321 21004
 04323 40631 40006 42321 19018
 05323 50628 50007 52321 19017
 06323 60624 60007 62321 19024
 07323 70622 70008 72321 18031
 08324 80619 80008 82321 16031
 09324 90616 90009 92321 16035
 M324 M0616 MF035
 OBS 01 AT 1758Z OBS 09 AT 1834Z
 OBS 09 SFC WND 15030
 REMARKS 323 643 006
 RAINSHOWERS BEGAN MIDWAY BETWEEN OUTBOUND OB 02 AND 03

URNT12 KNIA 182141
 AF972 0211 GUSTAV OB 12 KNIA
 SUPPLEMENTARY VORTEX DATA MESSAGE
 01345 10643 10009 12218 08031
 02342 20643 20009 22119 07021
 03340 30642 30008 321// 06014
 04337 40640 40008 421// 05024
 05335 50637 50006 52220 03021
 MF345 M0643 MF031
 OBS 01 AT 1930Z OBS 05 AT 1949Z
 OBS 01 SFC WND 06035
 01331 10633 10005 12321 25008
 02328 20633 20005 22321 26004
 03326 30634 30005 32321 20011
 04321 40634 40005 42321 20011
 MF321 M0634 MF011
 OBS 01 AT 2020Z OBS 04 AT 2039Z
 OBS 04 SFC WND 20005
 REMARKS 334 634 006

HORTENSE

URNT12 KMIA 242019 COR
AF 972 01XX INVEST OB 10 COR KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
OBS 01 AT 1944Z OBS 04 AT 2000Z
OBS 01 SFC WND 03050
01287 10603 1/// 12319 04048
02288 20606 20001 22318 05029
03291 30608 30003 32320 03026
04292 40610 40004 423// 04020
OBS 01 AT 1944Z OBS 04 AT 2000Z
OBS 04 SFC WND 04025
REMARKS0285 601 9940
LAST REPORT OBS 01 THRU 10 TO KMIA

URNT12 KMIA 250230
AF966 0212 HORTENSE OB 06 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01295 10589 10010 12321 10022
02292 20591 20009 22319 12026
03290 30593 30008 32320 13037
04289 40596 40007 42121 11035
05287 50596 50004 52221 15043
06286 60600 60999 62222 18048
07287 70602 70998 72222 99005
MF286 M0600 MF048

OBS 01 AT 0027Z OBS 07 AT 0059Z

OBS 01 SFC WND /////

01285 10603 10002 12320 30027
02283 20606 20005 22321 34012
03281 30608 30007 32321 34016
04279 40611 40008 42221 01023
05278 50612 50009 52221 36022
06276 60614 60010 62221 03017
07275 70615 70010 72320 04015

MF285 M0603 MF027

OBS 01 AT 0125Z OBS 07 AT 0154Z

OBS 07 SFC WND /////

REMARKS0286 602 998

URNT12 KNIA 250415
AF966 0212 HORTENSE OB 09 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01275 10589 10011 12320 23024
02277 20590 20011 22321 17038
03279 30592 30010 32320 18037
04280 40594 40009 42321 17041
05282 50596 50007 52321 17043
06283 60599 60006 62322 18035
07285 70601 70003 72221 20032
MF282 N0596 MF043
OBS 01 AT 0233Z OBS 07 AT 0361Z
OBS 01 SFC WND /////
01290 10605 10001 12322 10039
02/// 2/// 2/// 2/// /////
03/// 3/// 3/// 3/// /////
04295 40608 43310 40805 10046
05298 50611 53311 50703 10023
06299 60613 63312 60803 08030
07300 70616 73312 70803 10026
MF295 N0608 MF046
OBS 01 AT 0324Z OBS 07 AT 0345Z
OBS 07 SFC WND /////
REMARKS 289 604 997
OBS 01 AT LOW LEVEL
OBS 04 THUR 07 AT 700MB
LAST REPORT OBS 01-09 TO KNIA
ETA BERNUDA 25/0445Z

URNT12 KMIA 251345

AF969 0312 HORTENSE OB 10 KMIA

SUPPLEMENTARY VORTEX DATA MESSAGE

01301 10630 10012 12319 03015

02300 20627 20011 22319 03020

03297 30624 30011 32319 05032

04296 40622 40011 42319 05026

05293 50618 50010 52319 05026

06292 60615 60008 62319 35027

07292 70610 70004 72319 34044

08294 80607 80996 82320 34060

MF244 M0607 MF060

OBS 01 AT 1145Z OBS 08 AT 1220Z

OBS 01 SFC WND 02015

01295 10604 10000 12221 16053

02297 20602 20006 22221 14062

03297 30600 30007 32221 11041

04300 40598 40010 42120 12030

05301 50595 50011 52120 12035

06303 60593 60012 62120 11030

07303 70591 70013 72119 11030

MF297 M0602 MF062

OBS 01 AT 1242Z OBS 07 AT 1309Z OBS 07 SFC WND 13030

REMARKS 293 606 993

URNT12 KNIA 251505
AF969 0312 HORTENSE OB 13 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01310 10605 10012 12218 11020
02308 20607 20012 22218 10035
03306 30607 30010 32219 09039
04303 40606 40010 42219 10042
05300 50608 50007 52219 06048
06298 60607 60004 62219 07052
07296 70607 70997 72320 07070
MF296 M0607 MF070
OBS 01 AT 1331Z OBS 07 AT 11353Z
OBS 01 SFC WND 09015
01293 10607 10000 12221 26044
02290 20605 20006 22221 23037
03287 30606 30008 32220 23025
04285 40607 40010 42220 24022
05283 50608 50010 52120 26017
06280 60609 60011 62120 25012
07278 70609 70011 72120 23012
MF293 M0607 MF044
OBS 01 AT 1412Z OBS 07 AT 1438
OBS 07 SFC WND 23010
REMARKS 295 607 993

URNT12 KNIA 251920
AF980 0412 HORTENSE OB 10 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01294 10626 10010 12321 31015
02295 20623 20009 22321 32018
03294 30620 30009 32321 32022
04295 40617 40008 42222 31020
05296 50614 50005 52323 31018
06297 60610 60000 62222 32032
MF297 M0610 MF032
OBS 01 AT 1727Z OBS 06 AT 1752Z
OBS 01 SFC WND 34010
01298 10605 10001 12121 21042
02298 20603 20006 22222 17036
03297 30600 30009 32221 17020
04297 40597 40010 42321 20027
05297 50594 50011 52221 21028
06299 60590 60013 62218 20031
07300 70588 70013 72121 20013
MF298 M0605 MF042
OBS 01 AT 1803Z OBS 07 AT 1836Z
OBS 07 SFC WND 18015
REMARKS 297 608 995

URNT12 KNIA 252030
AF980 0412 HORTENSE OB 13 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01289 10609 10010 12221 23020
02291 20610 20008 22221 24029
03294 30609 30006 32222 25025
04296 40610 40000 42222 23035
MF296 M0610 MF035
OBS 01 AT 1928Z OBS 04 AT 1941Z
OBS 01 SFC WND 22020
REMARKS0299 609 995

URNT12 KNIA 260030 COR 03
AF977 0512 HORTENSE OB 10 COR 03 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01302 10589 10012 12220 13026
02302 20592 20011 22320 13028
03301 30595 30010 32321 13024
04300 40597 40009 42322 13028
05299 50601 50007 52222 14048
06298 60603 60007 62322 18031
07299 70605 70004 72222 18045
08299 80609 80998 82322 19026
MF299 M0601 MF048
OBS 01 AT 2244Z OBS 08 AT 2318Z
OBS 01 SFC WND /////
01300 10611 10003 12222 35038
02300 20616 20006 22222 02032
03301 30619 30008 32222 01036
04301 40622 40009 42221 02028
MF300 M0611 MF038
OBS 01 AT 2348Z OBS 04 AT 0002Z
OBS 04 SFC WND /////
REMARKS301 611 996

URNT12 KNIA 260200 COR
AF977 0512 HORTENSE OB 12 COR KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01310 10609 10009 12221 08035
02308 20610 20008 22221 07041
03306 30610 30005 32121 09050
04303 40610 40998 42222 05026
MF306 M0610 MF050
OBS 01 AT 0045Z OBS 04 AT 0059Z
OBS 01 SFC WND /////
01299 10608 10003 12222 27040
02297 20606 20008 22221 24031
03293 30605 30009 32320 24024
04290 40606 40010 42321 25022
05288 50606 50010 52221 24017
06286 60608 60011 62320 24024
MF300 M0608 MF053
OBS 01 AT 0107Z OBS 06 AT 0137Z
OBS 06 SFC WND /////
REMARKS 302 610 997

URNT12 KNIA 260700 COR
AF966 0612 HORTENSE OB 03 COR KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01315 10627 13131 10804 02024
02313 20625 23128 20804 03020
03313 30622 33119 30804 03036
04310 40619 43104 40806 02036
05307 50618 53098 50907 02034
06306 60616 63083 61010 01028
07306 70613 73067 71206 35031
MF310 M0619 MF036

OBS 01 AT 0458Z OBS 07 AT 0522Z

OBS 01 SFC WND /////

01304 10608 13052 11209 18021
02303 20605 23080 21007 23029
03302 30604 33093 30906 24023
04300 40601 43111 40809 24019
05297 50600 53111 50903 24018
06296 60598 63123 60805 26022
07294 70596 73123 70805 25024
MF294 M0596 MF029

OBS 01 AT 0554Z OBS 07 AT 0618Z

OBS 07 SFC WND /////

REMARKS 306 611 997

DEP KBIX 26/0424Z

URNT12 KNIA 260915
AF966 0612 HORTENSE OB 06 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01320 10596 13127 10706 16028
02318 20599 23115 20706 11029
03316 30601 33106 30707 10023
04314 40605 43084 40707 13034
05312 50606 53081 50808 14022
06310 60607 63060 60909 13034
07307 70608 73042 71207 20023
MF310 M0607 MF034
OBS 01 AT 0700Z OBS 07 AT 0728Z
OBS 01 SFC WND /////
01307 10612 13057 11308 31006
02305 20614 23077 21208 30012
03303 30615 33090 21005 31014
04301 40617 43102 40905 32006
05298 50619 53109 50904 29014
06297 60621 63112 60804 33011
07296 70623 73117 70904 33012
MF298 M0619 MF014
OBS 01 AT 0824Z OBS 07 AT 0850Z
OBS 07 SFC WND /////
REMARKS 309 609 997

URNT12 KNIA 261155
AF966 0612 HORTENSE OB 10 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01297 10594 13123 10804 25021
02300 20595 23121 20904 21023
03302 30598 33106 30804 21030
04304 40599 43103 43103 21035
05306 50601 53089 50909 19041
06307 60603 63081 60907 20049
07309 70604 73066 70909 19043
MF307 M0603 MF049
OBS 01 AT 0931Z OBS 07 AT 0957Z
OBS 01 SFC WND 20KTS
01309 10619 13103 10904 32017
02309 20622 23115 20904 31017
03308 30628 33127 30904 36013
04308 40628 43133 410// 34008
05307 50632 53136 510// 36013
MF309 M0619 MF019
OBS 01 AT 1112Z OBS 05 AT 1122Z
OBS 07 SFC WND 10KTS
REMARKS 310 608 996

URNT12 KNIA 261906
AF985 0712 HORTENSE OB 09 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01320 10631 13128 10904 35024
02320 20628 23107 21001 36036
03320 30622 33098 30906 36031
04320 40619 43092 41007 35029
05320 50616 53077 51107 31010
06320 60613 63070 61108 34022
07320 70609 73048 71311 99005
MF 320 M0624 MF036
OBS 01 AT 1734Z OBS 07 AT 1807Z
OBS 01 SFC WND 36025
REMARKS 320 609 997

URNT12 KNIA 261934
AF985 0712 HORTENSE OB 12 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01318 10607 13053 11308 24027
02318 20604 23075 21106 22038
03318 30601 33090 30909 19033
04318 40598 43096 40907 17036
05319 50593 53102 50907 16039
06320 60591 63119 60707 18031
07320 70589 73117 70706 18040
MF320 M0589 MF040BS 06 AT 1804Z
OBS 01 AT 1823Z OBS 07 AT 1851Z
OBS 07 SFC WND /////
REMARKS 320 609 000

URNT12 KNIA 262045
AF985 0712 HORTENSE OB 16 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01335 10611 13114 10808 10023
02333 20611 23104 20606 09023
03330 30611 33090 30707 08032
04327 40610 43071 40808 08030
05326 50610 53051 50909 08030
06322 60609 63037 61010 99005
MF328 M0610 MF035
OBS 01 AT 1926Z OBS 06 AT 2001Z
OBS 01 SFC WND /////
01320 10617 13066 10906 33032
02320 20617 23084 20906 33035
MF321 M0613 MF035
OBS 01 AT 2013Z OBS 02 AT 2016Z
OBS 02 SFC WND /////
REMARKS 322 609 997

URNT12 KNIA 301420
AF969 0812 HORTENSE OB 05 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01330 10663 10012 12220 28017
02330 20660 20012 22219 29016
03330 30657 30012 32220 27023
04333 40656 40011 42320 28019
05336 50655 50011 52321 31013
06338 60653 60010 62320 29016
07340 70651 70010 72320 29017
08341 80649 80009 82321 35019
09341 90645 90008 92321 33013
MF330 M0657 MF023
OBS 01 AT 1151Z OBS 09 AT 1233Z OBS 01 SFC WND 31010
01341 10639 10008 12321 28015
02343 20637 20007 22321 29018
03334 30635 30005 32321 04006
04346 40633 40005 42321 08013
05348 50632 50006 52321 13017
06350 60630 60007 62321 11021
07352 70628 70008 72321 12029
MF 352 M0628 MF029
OBS 01 AT 1316Z OBS 07 AT 1345Z OBS 07 SFC WND 11025
REMARKS 340 641 008

URNT12 KNIA 260245
AF985 0313 CYCLONE OB 07 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01243 10759 10004 12320 04007
02242 20756 20004 22321 02022
03242 30753 30003 32222 02022
04241 40751 40003 42323 01015
05/// 5/// 5/// 5///
MF242 M0753 MF022
OBS 01 AT 0039Z OBS 05 AT 0100Z
OBS 01 SFC WND ////
01246 10749 10003 12222 04014
02249 20750 20003 22222 05021
03252 30750 30004 32322 06032
04255 40750 40005 42222 08027
05257 50750 50005 52221 09043
06260 60750 60006 62222 08028
07262 70749 70006 72322 08027
MF257 M0750 MF043
OBS 01 AT 0155Z OBS 07 AT 0225Z
OBS 07 SFC WND ////
REMARKS 245 749 003
15 NM INBD OB MISSED TIME ESTIMATED

URNT12 KMIA 301540
AF969 0812 HORTENSE OB 08 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01356 10649 10011 12319 36009
02354 20648 20011 22320 33013
03352 30646 30010 32320 34012
04351 40644 40010 42321 34014
05349 50642 50009 52321 35015
06347 60640 60008 62321 29016
07345 70638 70008 72321 27012
MF347 M0640 MF016
OBS 01 AT 1419Z OBS 07 AT 1444Z
OBS 01 SFC WND 00005
01349 10635 10007 12321 29018
02345 20635 20008 22321 27020
03343 30635 30009 32321 27027
MF343 M0635 MF027
OBS 01 AT 1502Z OBS 03 AT 1513Z
OBS 07 SFC WND 25020
REMARKS 350 635 007

URNT12 KMIA 260537 ISIDORE
AF985 0313 CYCLONE OB 10 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01245 10730 10007 12321 19022
02244 20734 20007 22322 18019
03245 30736 30006 32322 19026
04245 40739 40005 42322 19028
05245 50742 50005 52322 18029
06246 60745 60004 62322 18020
07246 70748 70003 72323 19016
08246 80750 80003 82422 16010
09246 90752 90004 82322 19006
MF245 M0742 MF029
OBS 01 AT 0319Z OBS 09 AT 0400Z
OBS 01 SFC WND /////
01243 10760 10005 12222 16010
02243 20764 20005 22121 16016
03244 30766 30005 32120 12013
MF243 M0764 MF016
OBS 01 AT 0430Z OBS 03 AT 0440Z
OBS 03 SFC WND /////
REMARKS 245 756 003

URNT12 KMIA 261320
AF964 0612 ISIDORE OB 05 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01247 10777 10004 12321 34028
02246 20779 29/// 22321 34030
03246 30782 30007 32321 35024
04246 40785 40008 42120 36031
05246 50788 50008 52219 36026
06247 60790 60009 62220 36024
07247 70793 70010 72320 36023
MF246 M0785 MF031
OBS 01 AT 1227Z OBS 07 AT 1257Z
OBS 07 SFC WND 36015
REMARKS 247 773 004
OB 02 OVR LAND

URNT12 KMIA 261507
AF964 0413 ISIDORE OB 08 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01231 10789 10011 12219 99005
02233 20787 20010 22319 34010
03235 30783 30009 32319 33016
04237 40781 40008 42220 32027
05238 50778 50007 52320 32019
06240 60777 60006 62320 30025
07242 70774 70005 72321 31023
MF237 M0781 MF027
OBS 01 AT 1324Z OBS 07 AT 1358Z
OBS 01 SFC WND 31010
01248 10773 10004 12320 16010
02251 20773 20005 22320 13013
03253 30773 30005 32321 12010
04256 40773 40005 42421 08017
05258 50773 50006 52421 07023
06261 60773 69/// 62421 08029
07263 70773 70007 72421 06036
MF263 M0773 MF036
OBS 01 AT 1418Z OBS 07 AT 1447Z
OBS 07 SFC WND 0301000
REMARKS 245 773 005

URNT12 KNIA 261730 COR
RF964 0413 ISIDORE OB 11 COR KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01244 10790 10008 12320 32027
02244 20788 20007 22221 31030
03244 30786 30009 32319 33016
04245 40784 40005 42321 35017
05245 50781 50004 52321 35013
06246 60778 60004 62321 31009

MF244 M0786 MF036

OBS 01 AT 1530Z OBS 07 AT 1552Z

OBS 01 SFC WND //

01248 10773 10003 12422 20020
02248 20771 20004 22422 18019
03249 30768 30005 32422 21024
04249 40765 40006 42421 20025
05249 50762 50006 52521 18027
06248 60759 60007 62422 19031
07248 70757 70009 72420 19033

MF248 M0757 MF033

OBS 01 AT 1627Z OBS 07 AT 1655Z

OBS 07 SFC WND 17030

REMARKS 248 776 001

URNT12 KNIA 261859
AF964 0413 ISIDORE OB 14 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01265 10777 10007 12421 08031
02263 20778 20006 22421 09023
03261 30778 30005 32422 09027
04258 40778 40004 42321 09023
05255 50778 50003 52321 09019
06253 60777 60002 62422 05013
MF265 M0777 MF031
OBS 01 AT 1739Z OBS 06 AT 1804Z
OBS 01 SFC WND 04010
REMARKS 251 777 000

URNT12 KNIA 262221
AF365 0513 ISIDORE OB 03 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01252 10798 10006 12424 35034
02252 20797 20005 22525 35031
03251 30794 30004 32626 36026
04252 40791 40003 42626 35039
05251 50788 50001 52525 35019
06252 60785 60002 62626 36020
MF252 M0791 MF039
OBS 01 AT 2055Z OBS 06 AT 2117Z
OBS 01 SFC WND 36030
01252 10779 10001 12525 17017
02252 20777 20002 22525 16014
03252 30774 30003 32525 18021
04253 40771 40003 42525 18028
05253 50768 50003 52525 18035
06253 60766 60004 62625 19037
07253 70763 70006 72524 19036
MF253 M0763 MF037
OBS 01 AT 2140Z OBS 07 AT 2208Z
OBS 07 SFC WND 20025
REMARKS 253 783 999

URNT12 KNIA 270053
AF365 0513 ISIDORE OB 06 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01272 10785 10006 12525 07019
02269 20785 20006 22625 09024
03266 30783 30006 32525 08012
04264 40782 40003 42625 08030
05261 50782 50003 52525 08028
06259 60782 60002 62525 11022
07256 70783 70001 72626 09012
MF264 M0782 MF030
OBS 01 AT 2225Z OBS 07 AT 2323Z
OBS 01 SFC WND 07010
01252 10784 10002 12424 20011
02250 20783 22/// 21818 23018
03247 30783 32/// 31818 23035
04245 40783 42/// 41818 22038
05242 50782 52429 51616 24040
06240 60782 62441 61713 23042
MF240 M0782 MF042
OBS 01 AT 2348Z OBS 06 AT 0007Z
OBS 06 SFC WND /////
REMARKS 255 784 002
LAST REPORT OBS 01-06 TO KNIA
ETA KBIX 27/0300Z

URNT12 KNIA 300330
AF 968 1413 ISIDORE OB 04 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01344 10770 13126 10801 33018
02344 20767 23127 20802 30020
MF344 M0767 MF020
OBS 01 AT 0128Z OBS 02 AT 0130Z
OBS 01 SFC WND /////
01348 10757 12491 11412 04018
02349 20756 22490 21512 10008
03349 30753 32497 31412 06020
04348 40749 42499 41512 05015
05348 50746 52490 51512 09009
06347 60743 62487 61412 12014
07347 70740 72493 71412 13020
MF347 M0740 MF020
OBS 01 AT 0242Z OBS 07 AT 0309Z
OBS 07 SFC WND /////
REMARKS 90346 761 004

URN12 KMIH 300619
AF968 1413 ISIDORE OB 07 KMIH
SUPPLEMENTARY VORTEX DATA MESSAGE

01366 10756 12511 11106 06011
02363 20756 22505 21207 05020
03373 30756 32505 31207 06023
04358 40756 42508 41306 06023
05355 50754 52507 51210 06026
06354 60752 62495 61411 07013
07350 70750 72496 71412 05029
08349 80749 82493 81511 07021
09347 90748 92484 91613 06010
10345 00746 02487 01514 09011
MF350 M0750 MF029

OBS 01 AT 0353Z OBS 10 AT 0430Z

OBS 01 SFC WND //

01333 10745 12462 11612 30010
02336 20745 22462 21712 29009
03333 30745 32468 31711 29009
04331 40745 42465 41613 27010
05329 50745 52464 51713 27025
06326 60745 62468 61812 27029
07324 70745 72477 71713 27035
MF324 M0745 MF035

OBS 01 AT 0518Z OBS 07 AT 0538Z

OBS 07 SFC WND //

REMARKS0341 745 004)

0112 KNIA 301300
 85 1513 ISIDORE OB 04 KNIA
 PLEMENTARY VORTEX DATA MESSAGE
 // 1//// 1//// 1//// /////
 // 2//// 2//// 2//// /////
 50 30755 30013 31717 02027
 50 40752 40011 41818 01040
 49 50749 50011 52020 36036
 49 60746 60010 62121 01036
 48 70743 70009 72020 01033
 47 80740 80009 82120 35013
 47 90736 90008 92119 01017
 47 00733 00008 02021 04012
 46 10730 10008 12020 02007
 46 M0752 MF040
 03 AT 1015Z OBS 11 AT 1118Z
 01 SFC WND /////
 47 10786 10007 12121 36016
 49 20724 20007 22020 99005
 51 30722 30008 32020 99005
 53 40719 40007 42120 99005
 55 50717 50008 52020 10014
 57 60715 60009 62121 10016
 60 70712 70010 72120 17009
 57 M0715 MF016
 01 AT 1150Z OBS 07 AT 1219Z
 07 SFC WND 12015
 MARKS 345 727 007

URNT12 KMIA 301415
AF985 1513 ISIDORE OB 06 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01366 10723 10012 11818 04036
02364 20723 20011 22120 07034
03360 30721 30009 32119 08026
04359 40720 40010 42119 04010
05357 50718 50009 52020 07019
06355 60717 60009 62121 06008
07353 70715 70009 72121 99005
MF366 M0723 MF036
OBS 01 AT 1239Z OBS 07 AT 1304Z
OBS 01 SFC WND 06030
01350 10718 10008 12020 99005
02347 20717 20007 22222 99005
03345 30716 30007 32322 29009
04343 40716 40007 42323 27019
05340 50715 50008 52222 25018
06337 60714 60008 62222 25021
07335 70713 70007 72222 24022
MF335 M0713 MF022
OBS 01 AT 1332Z OBS 07 AT 1358Z
OBS 01 SFC WND 20015
REMARKS 353 715 0080

URNT12 KMIA 301715
AF985 1513 ISIDORE OB 09 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01359 10683 10013 12120 22010
02359 20686 20012 22121 21012
03359 30689 30012 32121 21012
04359 40693 40011 42120 17013
05358 50696 50011 52120 15014
06358 60699 60011 62121 11019
07356 70701 70008 72121 13028
08354 80703 80009 82121 15018
09353 90705 90008 92121 16019
MF356 M0701 MF028
OBS 01 AT 1454Z OBS 09 AT 1527Z
OBS 01 SFC WND 18018
01353 10711 10007 12321 08012
02352 20715 20007 22220 36016
03352 30718 30008 32120 01025
04352 40721 40009 42120 01020
05352 50724 50010 52121 03020
06352 60727 60010 62121 03020
07352 70730 70011 72120 04013
MF352 M0718 MF025
OBS 01 AT 1607Z OBS 07 AT 1631Z
OBS 01 SFC WND 03015
REMARKS 353 715 008

URNT12 KNIA 301857
AF985 1513 ISIDORE OB 12 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01336 10702 10008 12222 26028
02338 20702 20008 22222 25023
03341 30703 30007 32222 26023
04343 40704 40007 42322 27019
05346 50704 50006 52322 27023
06348 60705 60006 62322 25016
07351 70707 70006 72322 29012
MF336 M0702 MF028
OBS 01 AT 1721Z OBS 07 AT 1746Z
OBS 01 SFC WND 24020
01351 10710 10007 12121 01012
02351 20713 20008 22121 36010
03351 30716 30009 32121 02016
04351 40719 40009 42121 01018
05351 50722 50010 52121 01020
06351 60725 60010 62121 04017
07352 70728 70010 72120 04018
MF351 M0722 MF020
OBS 01 AT 1807Z OBS 07 AT 1831Z
OBS 07 SFC WND 03015
REMARKS 352 707 007 LAST REPORT OBS 01-12 TO KNIA
ETA KPOB 30/1950Z

JOSEPHINE

URNT12 KMIA 072105
AF972 01XX INVEST OB 12 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01241 10701 10009 12320 16007
02244 20701 20009 22220 14008
03247 30701 30008 32320 02009
MF247 M0701 MF009
OBS 01 AT02047Z OBS 03 AT 2055Z OBS 03 SFC WND 04020
REMARKS 239 701 008

URNT12 KMIA 081525 COR
AF977 0214 JOSEPHINE OB 11 COR KMIA
SUPPLEMENTAL VORTEX DATA MESSAGE
01238 10713 10001 12323 22009
02239 20710 20002 22323 19012
03241 30706 30003 32222 19026
04241 40705 40004 42222 19034
05241 50701 50005 52423 17028
06241 60698 6//// 6//// 17030
07241 70696 70007 72422 16025
MF241 M0705 MF034
OBS 01 AT 1431Z OBS 07 AT 1500Z
OBS 07 SFC WND 15020
REMARKS 238 716 002

URNT12 KMIA 081700
AF977 0214 JOSEPHINE OB 14 KMIA
SUPPLEMENTAL VORTEX DATA MESSAGE
01254 10716 10004 12321 07028
02252 20717 20003 22221 07037
03248 30716 30002 32320 06043
04245 40715 40001 42222 07030
05242 50712 50000 52222 99005
MF248 M0716 MF043
OBS 01 AT 1542Z OBS 04 AT 1600Z OBS 01 SFC WND 03030
01239 10712 10000 12322 21012
02237 20713 20999 22322 23010
03234 30713 30002 32121 24041
04233 40712 40002 42222 23042
MF233 M0712 MF042
OBS 01 AT 1623Z OBS 04 AT 1636Z OBS 04 SFC WND 25040
REMARKS 242 712 000

URNT12 KMIA 081820
AF977 0214 JOSEPHINE 08 15 KMIA
SUPPLEMENTAL VORTEX DATA MESSAGE
01242 10716 10000 12221 30016
02242 20719 20000 22220 33020
03241 30721 30001 32221 32018
04240 40724 40002 42222 31021
05240 50727 50003 52322 32028
06241 60730 60004 62221 33036
07242 70732 70005 72222 35029
MF241 M0730 MF036
OBS 01 AT 1709Z OBS 07 AT 1736Z
OBS 07 SFC WND 34030
REMARKS 242 713 999

URNT12 KMIA 090205
AF972 0314 JOSEPHINE 08 05 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01252 10742 10004 12420 01030
02250 20740 20003 22420 36035
03247 30739 30002 32420 36038
04246 40737 40001 42420 36039
05246 50735 50000 52420 35037
06246 60732 60999 62421 35017
07246 70729 70997 72421 01034
08246 80726 80996 82421 36032
09246 90724 90996 92421 36017
MF246 M0732 MF047
OBS 01 AT 2348Z OBS 09 AT 0021Z
OBS 01 SFC WND /////
01247 10721 10996 12422 99005
02247 20717 20996 22422 99005
03247 30716 30996 32321 19015
04247 40714 40996 42220 18023
05247 50711 50997 52220 19046
06247 60707 60998 62119 17052
07247 70705 70999 72119 18045
MF247 M0707 MF052
OBS 01 AT 0035Z OBS 07 AT 0058Z
OBS 07 SFC WND /////
REMARKS 247 724 995

URNT12 KNIA 090400
AF972 0314 JOSEPHINE OB 09 KNIA
SUPPLEMENTAL VORTEX DATA MESSAGE
01263 10723 10004 12318 08062
02261 20724 20003 22318 08060
03259 30724 30001 32318 07053
04257 40724 40000 42318 06067
05255 50724 50998 52318 06054
06253 60723 60997 62319 05031
07250 70723 70995 72420 05018
MF257 M0724 MF067
OBS 01 AT 0138Z OBS 07 AT 0211Z
OBS 01 SFC WND /////
01243 10723 10997 12321 28027
02241 20723 20998 22320 28028
03238 30723 30999 32220 27047
04236 40723 40000 42220 27051
05233 50722 50002 52220 26043
06231 60722 60003 62220 26042
07228 70722 70003 72219 25038
MF236 M0723 MF051
OBS 01 AT 0225Z OBS 07 AT 0254Z
OBS 07 SFC WND /////
REMARKS0247 723 994

URNT1 KMIA 090500 COR
 AF972 0314 JOSEPHINE OB 1 COR KM
 SUPPL MENTARY VORTEX DA A MESS GE
 01247 10704 10000 12219 19063
 02248 20706 20998 22219 19052
 03248 30710 30996 322 9 18038
 04248 40712 40995 42219 18024
 05248 50716 50995 52320 18016
 06248 60718 60995 62320 19010
 7248 70721 70995 72320 16007
 MF217 M0704 MF063
 OBS 0 AT 0337Z OB
 OBS 0 SFC WND ///
 01251 10725 10997 12220 01 23
 02252 20727 20997 22220 03 36
 03254 30728 30999 32119 02 50
 04255 40729 40000 42119 03 46
 05 5//// 5//// 5 //
 06 6//// 6//// 6
 07 7//// 7//// 7
 MF214 M0728 MF050
 OBS 01 AT 0419Z OB 4
 OBS 04 SFC WND ////
 REMARKS 0248 722 99
 OUTBD LEG TO NW

URNT12 KMIA 091355
AF964 0414 JOSEPHINE OB 06 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01249 10745 10005 12523 34022
02250 20742 20004 22522 36017
03249 30739 30004 32422 35021
04250 40737 40003 42423 35021
05250 50734 50002 52422 34033
06251 60731 60001 62422 34033
07252 70728 70999 72323 33030
08253 80725 80997 82323 35020
MF251 M0731 MF033

OBS 01 AT 1133Z OBS 08 AT 1209Z
OBS 01 SFC WND 36020

01253 10718 10996 12323 25010
02253 20714 20996 22323 23024
03253 30712 30996 32323 21033
04253 40709 40998 42323 18057
05254 50706 50000 52323 18052
06254 60703 60001 62423 17050
07254 70701 70003 72424 17053
MF253 M0709 MF057

OBS 01 AT 1303Z OBS 07 AT 1331Z OBS 07 SFC WND 17053
REMARKS 253 721 996

URNT12 KMIA 091600
AF964 0414 JOSEPHINE OB 09 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01269 10723 10000 12222 07046
02267 20723 2//// 2//// 06040
03265 30723 3//// 3//// 05043
04263 40722 40995 42222 03052
MF263 M0722 MF052

OBS 01 AT 1418Z OBS 04 AT 1429Z OBS 01 SFC WND 07050

01261 10717 10995 12424 21012
02261 20714 20995 22424 19017
03261 30712 30996 32424 17018
04261 40709 40997 42323 15042
05261 50706 50999 52323 16061
06261 60703 60000 62322 16045
07261 70701 70000 72323 17057
08261 80698 80004 82323 15050
09261 90695 90006 92424 15035
MF261 M0706 MF061

OBS 01 AT 1451Z OBS09 AT 1535Z OBS 09 SFC WND 15040
REMARKS 261 720 995 LEG ONE INBOUND HEADING 180 DEG. LEG TWO
OUTBOUND HEADING 090 DEG

URNT12 KMIA 091730
AF964 0414 JOSEPHINE OB 12 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01289 10720 10007 12222 07027
02282 20721 20006 22323 07042
03279 30720 30004 32222 06045
04276 40720 40003 42222 07052
05275 50719 50001 52222 06052
06272 60717 60998 62121 06060
07269 70716 70995 72323 12034
MF272 M0717 MF060
OBS 01 AT 1631Z OBS 07 AT 1700Z
OBS 01 SFC WND 09030
REMARKS 264 720 993

URNT12 KMIA 100211
AF967 0514 JOSEPHINE OB 06 KMIA
SUPPLEMENTARY VORTEX MESSAGE
01269 10748 12471 11511 01030
02269 20745 22458 21515 36031
03268 30741 32452 31513 36035
04268 40739 42452 41614 35035
05268 50736 52437 51515 35041
06268 60733 62409 61515 35051
07268 70730 72382 71515 35070
08268 80727 82357 81716 35054
09267 90724 92318 91814 35017
MF268 M0730 MF070
OBS 01 AT 2336Z OBS 09 AT 0013Z
OBS 01 SFC WND /////
01269 10719 12315 11816 17018
02269 20717 22320 21817 19018
03269 30713 32333 31616 18044
04269 40711 42373 41414 19077
05270 50708 52400 51712 19063
06270 60705 62428 61613 19054
07270 70702 72443 71615 19050
08269 80700 82449 81616 19050
MF269 M0712 MF085
OBS 01 AT 0040Z OBS 08 AT 0108Z
OBS 08 SFC WND /////
REMARKS 269 721 988

URNT12 KMIA 100419
AF967 0514 JOSEPHINE 08 09 KMIA
SUPPLEMENTARY VORTEX MESSAGE
01289 10722 12437 11515 06052
02286 20724 22422 21515 08061
03284 30724 32407 31515 08062
04281 40723 42388 41515 08042
05278 50722 52372 51616 07054
06276 60722 62333 61717 06032
07273 70722 72324 71717 07011
MF284 M0724 MF062
OBS 01 AT 0152Z OBS 07 AT 0220Z
OBS 01 SFC WND /////
01269 10721 12321 11716 21012
02267 20722 22336 21616 24035
03264 30721 32369 31616 25053
04261 40721 42403 41515 25059
05259 50720 52416 51512 26052
06257 60720 62449 61712 26035
07254 70720 72448 71713 27027
08251 80720 82454 81613 25026
MF261 M0721 MF059
OBS 01 AT 0302Z OBS 08 AT 0334Z
OBS 08 SFC WND /////
REMARKS0271 722 989

URNT12 KNIA 101245 COR
AF963 0614 JOSEPHINE OB 06 COR KNIA
SUPPLEMENTARY VORTEX MESSAGE
01278 10748 13058 10702 01036
02276 20745 23046 20704 02039
03275 30743 33039 30705 01040
04275 40739 43025 40906 36041
05275 50737 53009 51003 36055
06274 60735 63000 61004 36046
07274 70730 73975 71004 36024
MF275 M0737 MF055

OBS 01 AT 1047Z OBS 07 AT 1114Z OBS 01 SFC WND 36035
01273 10724 13966 11005 25015
02274 20719 23978 20905 18033
03275 30717 33003 30904 18039
04276 40715 43021 40902 17038
05277 50718 53036 50902 18035
06277 60709 63052 60804 18037
07277 70707 73061 70804 20043
MF275 M0716 MF047

OBS 01 AT 1158Z OBS 07 AT 1224Z
OBS 07 SFC WND 17035
REMARKS 275 726 971

URNT12 KNIA 101555
AF963 0614 JOSEPHINE OB 10 KNIA
SUPPLEMENTARY VORTEX MESSAGE
01292 10727 13059 10707 10048
02288 20728 23040 208-7 10060
03286 30729 33021 30908 10065
04283 40729 43997 40909 08052
05282 50729 53979 51009 08033
06279 60728 63965 61007 08037
07276 70728 73958 70907 08020
MF290 M0728 MF069

OBS 01 AT 1257Z OBS 07 AT 1325Z OBS 01 SFC WND 09040
01275 10728 13956 11004 11012
02272 20723 23959 21007 23061
03270 30724 33994 30908 26057
04268 40724 43015 40808 24039
05265 50724 53042 50707 26025
06263 60723 63055 60707 25036
07259 70725 73069 70904 24033
MF272 M0723 MF070

OBS 01 AT 1502Z OBS 07 AT 1535Z OBS 07 SFC WND 25040
REMARKS 278 725 987

URNT12 KNIA 101843
AF963 0614 JOSEPHINE OB 14 KNIA
SUPPLEMENTARY VORTEX MESSAGE
01277 10706 13067 10803 19047
02280 20710 23052 20605 17057
03280 30713 33034 30706 17058
04280 40715 43021 40904 18055
05280 50718 53999 50907 18045
06280 60720 63975 60908 17054
07279 70724 73948 71108 17030
MF280 M0719 MF066
OBS 01 AT 1614Z OBS 07 AT 1642Z
OBS 01 SFC WND 16045
01277 10731 13950 11008 36019
02277 20735 23979 20707 36019
03276 30737 33010 30906 33047
04277 40741 43025 40904 32036
05277 50743 53037 50804 33036
06278 60745 63049 60802 31033
07279 70748 73055 70803 33031
MF277 M0737 MF062
OBS 01 AT 1734Z OBS 07 AT 1804Z
OBS 07 SFC WND 33045
REMARKS 278 728 984

URNT12 KNIA 102157
AF977 0714 JOSEPHINE OB 06 KNIA
SUPPLEMENTARY VORTEX MESSAGE
01281 10723 10985 124// 23023
02281 20719 20986 224// 19060
03281 30717 30991 322// 16087
04282 40714 40996 423// 17077
05282 50712 50999 523// 17068
MF281 M0717 MF087
OBS 01 AT 2120Z OBS 05 AT 2140Z
OBS 05 SFC WND 18070
REMARKS 282 726 984

URNT12 KMIA 110113
AF977 0714 JOSEPHINE OB 11 KMIA
SUPPLEMENTARY VORTEX MESSAGE
01295 10720 13029 108// 10048
02292 20722 23981 211// 10042
03289 30723 33932 312// 10035
04286 40724 43925 411// 11023
MF295 M0720 MF048
OBS 01 AT 2335Z OBS 04 AT 2358Z
OBS 01 SFC WND /////
01282 10725 13937 110// 28023
02280 20725 23974 211// 29047
03275 30724 33025 309// 26046
04273 40724 43050 409// 26049
05270 50724 53072 510// 25042
06268 60724 63084 610// 26041
07266 70724 73090 709// 27038
MF273 M0724 MF049
OBS 01 AT 0030Z OBS 07 AT 0055Z
OBS 07 SFC WND /////
REMARKS 285 724 983;

URNT12 KMIA 110255
AF977 0714 JOSEPHINE OB 15 KMIA
SUPPLEMENTARY VORTEX MESSAGE
01283 10704 1// 1// 19037
02284 20707 23058 208// 15042
03284 30709 33050 308// 19068
04284 40711 43037 409// 18072
05284 50715 53012 509// 19058
06284 60718 63978 609// 18062
07283 70721 73932 711// 21065
MF284 M0711 MF072
OBS 01 AT 0131Z OBS 07 AT 0200Z
OBS 01 SFC WND /////
01286 10728 13968 110// 01032
02286 20731 23981 210// 36042
03285 30734 33000 312// 33048
04285 40736 43016 411// 35067
05284 50739 53040 509// 36049
06284 60742 63061 610// 36045
MF285 M0736 MF067
OBS 01 AT 0212Z OBS 06 AT 0240Z
OBS 06 SFC WND /////
REMARKS 285 726 982)

URNT12 KMIA 110751
AF964 0814 JOSEPHINE OB 07 KMIA
SUPPLEMENTARY VORTEX MESSAGE
01292 10741 13042 10808 01041
02291 20740 23035 20808 36043
03290 30739 33025 30909 35048
04290 40737 43015 40909 34036
05290 50734 53982 50909 35041
06290 60731 63910 60909 34065
07290 70728 73894 71209 35067
MF290 M0728 MF067
OBS 01 AT 0507Z OBS 07 AT 0530Z
OBS 01 SFC WND /////
01288 10723 13918 11010 23049
02288 20721 23951 20908 24069
03288 30718 33986 30907 22069
04288 40716 43011 40909 20064
05288 50713 53029 50808 19070
06288 60710 63044 60808 20048
07287 70706 73050 70808 18048
MF288 M0713 MF070
OBS 01 AT 0609Z OBS 07 AT 0631Z
OBS 07 SFC WND /////
REMARKS0288 727 890K

URNT12 KMIA 110819

AF 64 0814 JOSEPHIN B 10 KM A

SU PLEMENTARY VORT X ME AGE

01 08 10729 13034 1080 09 3

02306 20729 23029 20808 8 31

03304 30729 33022 30808 07025

04302 40729 43009 40808 07042

05300 50729 53988 50808 06047

06297 60728 63943 61009 05048

07295 70727 73879 71110 04037

MF297 M0728 MF048

OBS 01 AT 0700Z 03

OBS 01 SFC WND /// /

01291 10725 13883 1 110 25011

02289 20725 23889 21110 28016

03286 30725 33926 31010 29056

04284 40725 43984 40808 28058

05281 50726 53014 50808 28042

06279 60726 63035 60808 2704

07277 70726 73050 70807 21044

MF284 M0725 MF058

BS 01 AT 0739Z 03

BS 07 SFC WND /// / /

EM RKSO294 726 879

URNT12 KNIA 111021
RF964 0814 JOSEPHINE OB 14 KNIA
SUPPLEMENTARY VORTEX MESSAGE
01298 10706 13047 10707 17051
02300 20708 23035 20707 16050
03299 30711 33023 30808 16056
04299 40713 43002 40908 16062
05298 50716 53971 50909 15052
06297 60719 63916 60909 14061
07296 70721 73877 71109 14026
MF299 M0713 MF062
OBS 01 AT 0842Z OBS 07 AT 0908Z
OBS 01 SFC WND /////
01295 10726 13901 11209 36054
02294 20729 23967 20909 01055
03294 30732 33986 30808 36046
04295 40735 43012 40808 36055
05295 50738 53035 50808 36060
06295 60741 63054 60808 01045
07295 70743 73090 70808 01039
MF295 M0738 MF060
OBS 01 AT 0934Z OBS 07 AT 0957Z
OBS 07 SFC WND /////
REMARKS 0295 724 862'

URNT12 KNIA 111150 COR
RF964 0814 JOSEPHINE OB 18 COR KNIA
SUPPLEMENTARY VORTEX MESSAGE
01280 10722 13033 10807 26047
02282 20721 23024 20807 25044
03285 30723 33006 30808 27051
04287 40723 43986 40808 27052
05289 50723 53940 50808 28051
06292 60723 63887 61310 27033
07294 70723 73874 71310 31028
MF287 M0723 MF052
OBS 01 AT 1035Z OBS 07 AT 1057Z
OBS 01 SFC WND /////
REMARKS 295 724 974'

URNT1 KMIA 111540
 AF969 0914 JOSEPHINE B 05 K
 SUPPL MENTARY VORTEX E SAGE
 1295 10744 13082 10904 36029
 95 20741 23079 2090 25039
 95 30738 33062 30804 35039
 4 95 40735 43043 41002 35050
 05295 50733 53036 51004 33040
 06296 60729 63027 61008 32042
 07297 70727 73980 71006 34052
 08298 80724 83939 81105 33056
 MF298 M0724 MF056
 OBS 01 ST 13392 0BS 14
 OBS 01 SFC WND 36035
 01300 0718 13873 11304 22008
 02299 0714 23923 21010 21060
 03299 0711 33973 31005 20078
 04299 40708 43008 40908 20062
 05298 0705 53039 50808 19054
 06298 0702 63058 60808 18051
 07298 0699 73078 70804 17060
 MF299 M0711 MF070
 OBS 01 ST 14582 8BS
 OBS 07 SFC WND 1905
 REM RK 299 720 75

URNT12 KMIA 111758
AF969 0914 JOSEPHINE DB 09 KMIA
SUPPLEMENTARY VORTEX MESSAGE
01282 10719 13098 10705 26044
02284 20719 23083 20903 26039
03287 30719 33068 30806 26045
04289 40719 43047 40808 25045
05292 50719 53025 51005 27045
06294 60718 63001 60907 27055
07296 70718 73984 71006 26048
08298 80718 83949 81005 25053
MF301 M0718 MF063
OBS 01 AT 1619Z OBS 08 AT 1646Z
OBS 01 SFC WND 26050
01308 10719 13871 11208 07033
02312 20720 23961 20808 09052
03315 30719 33003 30808 10039
04318 40720 43030 40808 09065
05320 50719 53043 50707 09049
06323 60719 63061 60707 09052
MF318 M0720 MF065
OBS 01 AT 1717Z OBS 07 AT 1743Z
OBS 07 SFC WND /////
REMARKS 305 719 973

URNT12 KMIA 111934
AF969 0914 JOSEPHINE OB 12 KMIA
SUPPLEMENTARY VORTEX MESSAGE
01310 10736 13049 10706 02038
02310 20733 23031 20706 02051
03309 30736 33010 30808 02045
04309 40728 43968 40909 02053
05308 50724 53916 51006 02059
06307 60721 63850 61309 35026
MF308 M0724 MF059

OBS 01 AT 1809Z OBS 06 AT 1831Z
OBS 01 SFC WND /////
01304 10719 13874 11307 27034
02302 20718 23931 21109 26051
03300 30718 33960 31106 25063
04297 40718 43994 41007 25049
05294 50718 53020 50904 24052
06291 60718 63044 60806 26045
07290 70718 73052 70903 27047
MF300 M0718 MF063
OBS 01 AT 1845Z OBS 07 AT 1911Z
OBS 07 SFC WND 27040
REMARKS 307 720 970

URNT12 KMIA 120043
AF963 1014 JOSEPHINE OB 05 KMIA
SUPPLEMENTARY VORTEX MESSAGE
01308 10737 13033 10904 33048
02310 20731 23992 20707 34078
03310 30729 33949 30808 34069
04311 40726 43905 40908 34054
05312 50723 53876 51207 36058
MF310 M0731 MF078
OBS 01 AT 2250Z OBS 05 AT 2308Z
OBS 01 SFC WND /////
01313 10714 13878 11108 21030
02314 20711 23891 21007 16046
03314 30708 33916 31007 17037
04314 40705 43966 40908 15046
05314 50702 53978 51005 17055
06314 60699 63009 60706 17050
07314 70696 73036 70807 17051
MF314 M0702 MF055
OBS 01 AT 2351Z OBS 07 AT 0020Z
OBS 07 SFC WND /////
REMARKS 314 717 970
HIGHER WINDS OUT FROM STORM CENTER

URNT12 KMIA 120343
AF963 1014 JOSEPHINE 08 09 KMIA
SUPPLEMENTARY VORTEX MESSAGE
01332 10718 13034 10606 07016
02329 20718 23021 20707 08068
03326 30718 33980 30707 /////
04324 40718 43951 40907 10068
05321 50719 53935 50808 10021
06319 60719 63907 60808 07049
07317 70718 73849 71010 07040
MF328 M0718 MF078

OBS 01 AT 0100Z OBS 07 AT 0127Z

OBS 01 SFC WND /////
1

01312 10716 13857 11308 23039
02309 20716 23876 21306 25047
03307 30716 33933 31006 25075
04305 40717 43985 40807 26062
05302 50717 53044 50603 25051
06299 60717 63056 60702 24046
07297 70717 73065 70503 25051

MF307 M0716 MF075

OBS 01 AT 0153Z OBS 07 AT 0229Z

OBS 07 SFC WND /////
1

REMARKS 314 717 822

VERY WEAK RADAR PRESENTATION

REMAINS OF EYEWALL 30NM FROM CENTER

URNT12 KMIA 120454
 AF963 1014 JOSEPHINE OB 13 KMIA
 SUPPLEMENTARY VORTEX MESSAGE
 01306 10711 13949 10605 25104
 02309 20712 23916 20807 24077
 03310 30714 33893 31005 25058
 04313 40715 43848 41208 26040
 05/// 5///// 5///// 5///// /////
 06/// 6///// 6///// 6///// /////
 07/// 7///// 7///// 7///// /////
 MF307 M0712 MF113
 OBS 01 AT 0252Z OBS 04 AT 0305Z
 OBS 01 SFC WND /////
 01317 10720 13864 11109 34023
 02317 20723 23907 21007 34033
 03317 30726 33937 30905 34037
 04317 40729 43976 40606 01073
 05318 50732 53004 50605 33053
 06317 60735 63020 60905 30040
 07316 70738 73025 70606 36046
 MF317 M0729 MF073
 OBS 01 AT 0349Z OBS 07 AT 0419Z
 OBS 07 SFC WND /////
 REMARKS 318 717 826
 MDT TURB ENCOUNTERED 50NM FROM CENTER

URNT KM A 12 26
 AF963 1014 JOSEPHINE OB 17 1
 SUPPL MENTARY VORTEX ME SAG
 01303 10718 13009 10704 24052
 02305 20718 23997 2050 28060
 03308 30716 33976 3060 27085
 04310 40715 43938 410 26051
 05313 50716 53902 5100 27059
 6316 60715 63867 6110 27050
 07 / 7 / 7 / 7
 MF3 8 M07 6 MF0
 OBS 0 AT 0451Z 0 1
 OBS 01 SFC WND / /
 1309 10721 13872 11009 36023
 2318 20723 23905 21008 34035
 3317 30726 33932 30907 33037
 4316 40728 43969 40707 33047
 5315 50731 53005 50705 29034
 6314 60734 63003 60905 31045
 7313 70736 73024 70903 3503
 MF316 M07 8 MF047
 BS AT 0533Z DR
 BS 07 SFC WND /
 REM 320 71 9

URNT12 KNIA 121000
 MF967 1114 JOSEPHINE OB 06 KNIA
 SUPPLEMENTARY VORTEX MESSAGE
 01321 10730 13986 10908 31037
 02323 20728 23936 21109 31043
 03324 30725 33910 31208 31047
 04324 40722 43888 41111 28040
 05326 50719 53860 51210 27014
 06/// 6/// 6/// 6///
 07/// 7/// 7/// 7///
 MF324 M0725 MF047
 OBS 01 AT 0834Z OBS 05 AT 0853Z
 OBS 01 SFC WND ////
 01329 10717 13865 11110 20019
 02329 20714 23875 21110 20039
 03328 30710 33913 31008 19065
 04328 40708 43933 41108 19070
 05327 50704 53978 50909 19078
 06327 60706 63012 60707 18088
 07328 70699 73017 70706 18085
 MF327 M0700 MF088
 OBS 01 AT 0921Z OBS 07 AT 0944Z
 OBS 07 SFC WND ////
 REMARKS 328 719 857

URNT12 KNIA 121230 COR 02
 AF967 1114 JOSEPHINE OB 10 COR 02 KNIA
 SUPPLEMENTARY VORTEX MESSAGE
 01346 10718 13035 10605 09072
 02344 20718 23025 20606 09072
 03341 30718 33987 30707 08057
 04338 40718 43942 40808 09056
 05336 50718 53887 51010 09049
 06333 60717 63887 61010 08049
 07331 70717 73865 71208 09012
 MF344 M0718 MF072
 OBS 01 AT 1016Z OBS 07 AT 1048Z
 OBS 01 SFC WND /////
 01328 10718 13/// 1/// 27021
 02325 20717 23899 21208 28051
 03323 30718 33917 31009 28052
 04321 40719 43944 41018 28054
 05318 50721 53989 51007 28052
 06315 60721 63002 60808 26062
 07312 70719 73072 70707 27058
 MF315 M0721 MF062
 OBS 01 AT 1138Z OBS 07 AT 1200Z
 OBS 07 SFC WND /////
 REMARKS 329 719 977

URNT12 KNIA 121435 COR
 AF967 1114 JOSEPHINE OB 14 COR KNIA
 SUPPLEMENTARY VORTEX MESSAGE
 01329 10698 13993 10707 19065
 02329 20702 23967 20808 17072
 03329 30706 33907 31010 20053
 04329 40711 43879 41110 20037
 05330 50714 53870 51208 18010
 MF329 M0702 MF072
 OBS 01 AT 1234Z OBS 05 AT 1259Z OBS 01 SFC WND /////
 REMARKS 330 719 986

URNT12 KMH 122104
AF977 1214 JOSEPHINE OB 09 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01352 10723 13004 10606 03074
02350 20723 23982 20707 03076
03348 30721 33960 30707 05074
04345 40720 43924 40909 07057
05343 50719 53893 51010 05049
06341 60717 63860 61010 04033
07339 70715 73844 71111 05007
MF350 M0723 MF076
OBS 01 AT 1939Z OBS 07 AT 2007Z
OBS 01 SFC WND /////
01336 10713 13847 11111 23019
02334 20711 23874 21010 24035
03332 30710 33919 31107 23060
04330 40708 43924 40808 25073
05328 50706 53966 50807 24070
06327 60705 63994 60705 24053
07324 70704 73006 70805 24051
MF330 M0708 MF073
OBS 01 AT 2035Z OBS 07 AT 2101Z
OBS 07 SFC WND /////
REMARKS 338 715 976

URNT12 KMIA 122243
AF977 1214 JOSEPHINE OB 12 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01346 10697 13991 10805 15059
02346 20700 23991 20806 16068
03345 30703 33957 30907 14060
04344 40705 43929 41010 15050
05343 50707 53890 50909 16060
06342 60710 63865 61010 14032
07340 70713 73833 71111 15015
MF346 M0700 MF068
OBS 01 AT 2134 OBS 07 AT 2200Z
OBS 01 SFC WND /////
01337 10718 13847 11111 99005
02336 20721 23869 21111 33030
03334 40724 33918 31010 33036
04333 40727 43948 40808 35032
05332 50730 53996 50807 35035
MF334 M0724 MF036
OBS 01 AT 2208Z OBS 05 AT 2228Z
OBS 05 SFC WND /////
REMARKS 339 715 976

URNT12 KMIA 121445 -COR
AF967 1114 JOSEPHINE OB 16 COR KMIA
SUPPLEMENTARY VORTEX MESSAGE
01331 10730 13006 11110 34072
02331 20726 23967 20707 35073
03331 30724 33936 31208 32041
04330 40721 43906 41110 31032
MF331 M0726 MF073
OBS 01 AT 1336Z OBS 04 AT 1349Z OBS 04 SFC WND /////
REMARKS 330 719 986

URNT12 KMIA 121925
AF977 1214 JOSEPHINE OB 06 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01329 10733 13024 10605 34050
02330 20731 23006 20707 31050
03332 30728 33988 30707 31046
04333 40725 43958 40909 34059
05333 50722 53915 51010 34052
06334 60719 63881 61010 33052
07335 70717 73863 71111 32020
MF333 M0725 MF059
OBS 01 AT 1731Z OBS 07 AT 1758Z
OBS 01 SFC WND 36045
01338 10712 13854 11110 15032
02339 20710 23887 21010 15043
03341 30707 33921 31111 15048
04342 40705 43948 40909 15046
05343 50702 53985 50808 15062
06345 60700 63998 60808 16054
07346 70697 73013 70606 14046
MF343 M0702 MF062
OBS 01 AT 1842Z OBS 07 AT 1908Z
OBS 07 SFC WND 11050
REMARKS 336 714 976 NEG WX OUTBOUND

URNT12 KNIA 130010
AF977 1214 JOSEPHINE OB 15 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01328 10720 13969 10807 28062
02330 20720 23938 20808 25065
03333 30720 33917 31110 30053
04335 40719 43878 41110 29043
05338 50717 53848 51111 30022
MF330 M0720 MF065
OBS 01 AT 2244 OBS 05 AT 2303Z
OBS 01 SFC WND /////
REMARKS 341 715 971

URNT12 KNIA 130410 COR
AF964 1314 JOSEPHINE OB 06 COR KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01328 10715 13985 107// 26060
02330 20715 23946 204// 25083
03333 30715 33916 308// 26050
04335 40715 43949 409// 26052
05338 50715 53865 510// 26030
06340 60715 63841 611// 27019
MF330 M0715 MF083
OBS 01 AT 0222Z OBS 06 AT 0239Z
OBS 01 SFC WND /////
01344 10715 13858 111// 02022
02346 20715 23870 210// 05027
03349 40715 33887 309// 06038
04351 40715 43906 409// 07035
05353 50715 53934 508// 09065
06356 60716 63996 606// 08057
07358 70716 73982 706// 08050
MF353 M0715 MF065
OBS 01 AT 0322Z OBS 07 AT 0346Z
OBS 06 SFC WND /////
REMARKS 341 715 837
CENTER LOCATED SOUTH OF FCST POSITION

URNT12 KNIA 130630
AF964 1314 JOSEPHINE OB 10 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01341 10736 13999 106// 36043
02341 20733 23973 207// 36034
03341 30729 33953 308// 34046
04341 40727 43928 409// 33052
05342 50723 53907 509// 34049
06343 60720 63884 610// 34030
07344 70716 73853 711// 32015
MF341 M0727 MF052
OBS 01 AT 0419Z OBS 07 AT 0448Z
OBS 01 SFC WND /////
01346 10710 13850 110// 18026
02346 20708 23871 209// 19040
03346 40704 33906 308// 18057
04346 40700 43913 408// 19061
05346 50697 53943 505// 18086
06346 60695 63991 606// 18073
07346 70693 73008 705// 19067
MF346 M0697 MF086
OBS 01 AT 0536Z OBS 07 AT 0602Z
OBS 07 SFC WND /////
REMARKS 346 712 837

URNT12 KNIA 130838 COR
AF964 1314 JOSEPHINE OB 14 COR KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01333 10710 13972 105// 25079
02335 20710 23953 207// 25059
03338 30711 33929 308// 26054
04340 40711 43889 409// 25051
05343 50712 53873 509// 25036
06345 60712 63855 611// 25041
07347 70712 73835 710// 26015
MF333 M0710 MF079
OBS 01 AT 0657Z OBS 07 AT 0724Z
OBS 01 SFC WND /////
01349 10717 13858 112// 34028
02349 20719 23871 211// 34040
03349 40722 33889 310// 34040
MF349 M0719 MF040
OBS 01 AT 0811Z OBS 03 AT 0820Z
OBS 03 SFC WND /////
REMARKS 350 712 830

URNT12 KMIA 131320
AF966 1414 JOSEPHINE OB 05 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01350 10727 13919 10906 33050
02351 20724 23895 20909 34023
03352 30721 33870 31009 34025
04354 40718 43855 41010 99005
MF350 M0727 MF050
OBS 01 AT 1123Z OBS 04 AT 1138Z
OBS 01 SFC WND 30040
01355 10712 13848 11010 19023
02356 20709 23864 21010 17032
03357 30706 33885 30910 18037
04357 40703 43909 40808 18052
05358 50700 53952 50706 17056
06359 60696 63965 60707 19053
07359 70694 73980 70606 18055
MF358 M0700 MF056
OBS 01 AT 1236 OBS 07 AT 1301
OBS 07 SFC WND /////
REMARKS 353 715 975

URNT12 KMIA 131530
AF966 1414 JOSEPHINE OB 09 KMIA
01367 10723 13956 10606 05053
02364 20722 23898 20808 04069
03362 30720 33888 31009 05047
04360 40718 43867 41009 05037
05358 50716 53864 51010 03024
MF364 M0722 MF069
OBS 01 AT 1341Z OBS 05 AT 1359Z
OBS 01 SFC WND /////
01353 10713 13869 11010 25032
02351 20712 23894 20908 26060
03349 30710 33915 30909 25048
04347 40710 43933 40808 24049
05344 50708 53955 50805 25041
06342 60706 63979 60804 25040
07338 70705 73991 70705 24036
08336 80704 83016 80705 26030
MF351 M0712 MF060
OBS 01 AT 1435Z OBS 08 AT 1507Z
OBS 07 SFC WND /////
REMARKS 356 714 975

URNT12 KMIA 140444
AF977 1514 JOSEPHINE OB 07 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01364 10742 13012 10605 35051
02365 20740 23996 20805 35048
03365 30736 33976 30606 35053
04365 40733 43950 40707 02041
05365 50730 53932 50808 02042
06365 60727 63915 61008 36042
07365 70724 73886 71010 36041
08365 80721 83867 80909 34020
09365 90718 93868 91110 20027
MF365 M0736 MF053
OBS 01 AT 0150Z OBS 09 AT 0225Z
OBS 01 SFC WND /////
01369 10715 13889 10909 31009
02371 20712 23910 20909 12041
03373 30710 33934 31009 12044
04375 40708 43959 40808 12048
05376 50705 53974 50707 13047
06378 60703 63987 60707 14051
07380 70701 73005 70606 14048
MF378 M0703 MF051
OBS 01 AT 0334Z OBS 07 AT 0400Z
OBS 07 SFC WND /////
REMARKS 367 716 867
OB 01 OUTBD IN RW/06 OUTBD CLR RBUS

URNT12 KMIA 131925 COR 03
AF966 1414 JOSEPHINE OB 13 COR 03 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01352 10732 13943 10707 32038
02352 20729 23925 20906 31036
03354 30726 33912 30908 30031
04356 40724 43897 40909 31029
05358 50721 53872 51008 32019
06359 60719 63860 61110 32016
MF352 M0732 MF038
OBS 01 AT 1610Z OBS 06 AT 1632Z
OBS 01 SFC WND /////
01362 10720 13860 11110 04013
02364 20724 23881 21108 02031
03365 30728 33909 30908 05026
04365 40730 43936 40905 01039
05364 50732 53945 50808 02052
06362 60737 63964 60707 34039
MF364 M0732 MF052
OBS 01 AT 1720Z OBS 06 AT 1757Z
OBS 06 SFC WND /////
REMARKS 360 718 973

URNT12 KMIA 132020
AF966 1414 JOSEPHINE OB 15 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01360 10726 13869 11209 35034
02360 20723 23855 21210 35035
03361 30720 33840 31110 34013
MF360 M0723 MF035
OBS 01 AT 1915Z OBS 03 AT 1922Z
OBS 01 SFC WND /////
REMARKS 361 719 973
LAST REPORT OBS 01-15 TO KMIA
ETA KPOB 13/2100Z

URNT12 KMIA 140628

RF977 1514 JOSEPHINE OB 11 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01382 10727 13981 10303 34010

02380 20725 23965 20808 08056

03377 30724 33947 30707 07059

04375 40723 43938 40807 06051

05372 50720 53922 50808 06043

06371 60719 63898 60909 06046

07369 70717 73876 71010 05007

MF381 M0726 MF064

OBS 01 AT 0431Z OBS 07 AT 0455Z

OBS. 01 SFC WND /////

01368 10720 13884 10909 04041

02368 20723 23900 20808 05030

03368 30727 33931 30808 04046

04368 40731 43952 40808 04037

05369 50733 53968 50505 05044

06369 60735 63989 60505 01055

07369 70737 73004 70606 04011

08369 80743 83014 80504 01059

MF369 M0743 MF059

OBS 01 AT 0535Z OBS 08 AT 0602Z

OBS 08 SFC WND /////

REMARKS 368 717 863

OB 01 THRU 04 INBD HEAVY RAIN/ OB 07 OUTBD RW

700MB CENTER UNDER N PART OF EYEWALL/

LAST REPORT OBS 01 THRU 11 TO KMIA@ ETA KBIX 14/0839Z

URNT12 KMIA 141015
AF969 1614 JOSEPHINE OB 04 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01368 10738 13972 10602 35046
02368 20736 23956 20502 35050
03368 30732 33938 30505 01059
04367 40730 43945 40706 02035
05366 50726 53898 50808 35026
06366 60723 63864 60907 36040
07365 70718 73834 70909 35023

MF368 M0732 MF059

OBS 01 AT 0814Z OBS 07 AT 0443Z

OBS 01 SFC WND /////

01365 10714 13827 11106 22021
02365 20711 23847 21007 20023
03366 30708 33856 31105 18031
04366 40704 43878 41006 18039
05366 50701 53889 50906 19040
06366 60698 63910 60805 19038
07365 70695 73929 70805 18045

MF365 M0695 MF045

OBS 01 AT 0918Z OBS 07 AT 0945Z

OBS 07 SFC WND /////

REMARKS 365 717 824

URNT12 KMIA 141238
AF969 1614 JOSEPHINE OB 09 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01383 10718 13947 10707 08041
02380 20718 23925 20707 07045
03378 30717 33907 30808 07045
04375 40717 43882 40806 07044
05373 50717 53863 50909 08031
06370 60717 63839 60909 07028

MF378 M0717 MF045

OBS 01 AT 1040Z OBS 06 AT 1102Z OBS 06 SFC WND /////

01365 10717 13334 11105 30014
02362 20716 23843 21007 27025
03360 30715 33867 31005 28045
04355 40715 43898 40803 29047
05352 50715 53924 50803 28044
06349 60715 63934 60705 30043

MF355 M0715 MF047

OBS 01 AT 1127Z OBS 06 AT 1151Z OBS 06 SFC WND /////

REMARKS 367 717 974

URNT12 KMIA 141515
AF964 1714 JOSEPHINE OB 05 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01367 10738 13969 10504 34051
02367 20735 23937 20404 36069
03367 30732 33928 30606 01040
04366 40729 43912 40707 36040
05366 50726 53893 50707 01049
06366 60722 63868 60808 35055
07366 70719 73830 70909 35037
MF367 M0735 MF069

OBS 01 AT 1328Z OBS 07 AT 1353Z OBS 01 SFC WND //

01365 10712 13807 11210 18004
02365 20708 23826 21209 15014
03366 30706 33844 31208 17030
04366 40703 43872 41008 17035
05367 50700 53897 51007 16031
06367 60697 63898 61006 17032
07366 70693 73914 70807 18030
MF366 M0703 MF035

OBS 01 AT 1425Z OBS 07 AT 1452Z
REMARKS 365 714 969

URNT12 KMIA 141700
AF964 1714 JOSEPHINE OB 08 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01383 10715 13940 10606 08045
02380 20715 23920 20707 07048
03378 30716 33905 30707 07046
04375 40715 43887 40908 06036
05373 50715 53867 50908 06035
06370 60715 63846 60808 06043
07367 70713 73816 71009 05022
MF380 M0709 MF048

OBS 01 AT 1529Z OBS 07 AT 1604Z OBS 01 SFC WND 09050

01363 10709 13803 11111 24024
02360 20706 23847 20908 27043
03357 30707 33870 30909 26048
04355 40706 43895 40808 26047
05352 50706 53907 50808 28044
06349 60708 63922 60404 29057
07347 70709 73940 70404 29076
MF347 M0709 MF076

OBS 01 AT 1604Z OBS 07 AT 1638Z OBS 07 SFC WND //

REMARKS 365 710 966

URNT1 KM 1421 1
 AF96 1814 0 EP B 0 H
 SUPPL MENTR Y UO DR R M
 1366 10727 1 91 10606 36
 2366 20723 89 0605 3
 3366 307 0 87 0705 0
 04366 40716 4385 40705 010 4
 5365 50713 53834 50805 02 6
 6364 60710 63804 6 808 02 53
 7363 70708 7377 7 905 3 22
 MF366 M0716 MF06
 BS 0 AT 1 45Z 1
 B 01 FC WND
 01362 10702 13 8 10907
 02363 699 2 0 21108 020
 03364 696 33830 30905 1 03
 04365 4 694 43859 408 5 1 01
 05 691 53869 508 4 1402
 6367 68 63879 608 5 5 32
 7368 068 73888 707 5 5 33
 MF368 M068 MF0 3
 BS 01 AT BZ AT
 OBS 07 SFC D
 ENMARKS 36 0 6
 URNING OU UN 7

URNT12 KMIA 142356
AF963 1814 JOSEPHINE OB 09 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01379 10713 13920 10502 06034
02376 20713 23907 20502 06055
03374 30713 33892 30803 04043
04371 40711 43874 40606 04043
05369 50710 53861 50706 03046
06367 60707 63842 60904 04041
07363 70705 73827 70905 04049
MF376 M0713 MF055
OBS 01 AT 2201Z OBS 07 AT 2229Z
OBS 01 SFC WND /////
01357 10697 13783 11105 24026
02355 20695 23798 20909 25051
03353 30694 33863 30707 25057
04350 40693 43882 40705 26044
05348 50692 53900 50707 26060
06345 60691 63921 60505 24068
07343 70690 73945 70404 24071
MF343 M0690 MF071
OBS 01 AT 2316Z OBS 07 AT 2343Z
OBS 07 SFC WND /////
REMARKS 359 699 966
PERIPHERAL HEADING 160 DEG
MDT TB 07 OUTBOUND

URNT12 KNIA 150136
AF963 1814 JOSEPHINE OB 12 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01359 10679 13902 10707 24049
02359 20681 23890 20707 20053
03359 30684 33872 30806 20053
04360 40687 43841 40906 19051
05361 50690 53817 51008 19040
06361 60693 63784 61206 14012
MF359 M0681 MF053
OBS 01 AT 0010Z OBS 06 AT 0034Z
OBS 01 SFC WND /////
01360 10698 13805 10907 35031
02359 20702 23836 20806 35045
03359 30705 33868 30706 32042
04359 40708 43890 40706 33033
05359 50711 53899 50705 33031
06360 60714 63928 60605 33026
07360 70717 73930 70503 34036
MF359 M0702 MF045
OBS 01 AT 0058Z OBS 07 AT 0127Z
OBS 07 SFC WND /////
REMARKS 359 696 776

URNT12 KMIA 150430
AF963 1814 JOSEPHINE OB 16 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01342 10691 13947 10605 26057
02345 20690 23935 20605 26061
03348 30690 33913 30606 27066
04349 40691 43842 40707 27057
05352 50691 53877 50706 27070
06355 60691 63840 60707 26045
07357 70691 73813 70909 27044
MF352 M0691 MF070
OBS 01 AT 0207Z OBS 07 AT 0235Z
OBS 01 SFC WND /////
01361 10692 13802 11005 36021
02360 20695 23839 20905 32026
03363 30698 33863 30805 35036
04363 40701 43881 40803 34035
05363 50703 53890 50804 34030
06362 60707 63915 60805 33036
07361 70710 73924 70605 33030
MF363 M0703 MF036
OBS 01 AT 0322Z OBS 07 AT 0343Z
OBS 07 SFC WND /////
REMARKS 361 689 766

URNT12 KNIA 150730 CDR
AF972 1914 JOSEPHINE OB 05 CDR KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01377 10675 13916 10605 11034
02374 20675 23899 20706 10021
03372 30675 33892 30705 11026
04370 40675 43873 40806 11028
05367 50676 53836 51106 13042
06364 60678 63818 61306 09012
MF367 M0676 MF042
OBS 01 AT 0555Z OBS 06 AT 0612Z
OBS 01 SFC WND /////
01361 10677 13811 11206 28017
02359 20678 23836 20907 26039
03355 30676 33880 30808 26043
04353 40676 43900 40707 25048
05350 50675 53909 50707 26051
06348 60673 63926 60606 26062
07347 70670 73935 70606 24055
MF348 M0673 MF062
OBS 01 AT 0645Z OBS 07 AT 0713Z
OBS 07 SFC WND /////
REMARKS 363 674 809

URNT12 KNIA 150951 CDR
AF972 1914 JOSEPHINE OB 09 CDR KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01364 10654 13940 10503 19059
02364 20657 23933 20503 19053
03363 30660 33905 30605 18060
04364 40663 43896 40705 19054
05364 50666 53875 50806 18043
06365 60669 63844 60807 18037
07365 70673 73820 71208 14020
MF363 M0660 MF060
OBS 01 AT 0745Z OBS 07 AT 0810Z
OBS 01 SFC WND /////
01365 10680 13844 11205 36032
02364 20684 23872 21005 02033
03360 30688 33885 30904 02033
04363 40691 43899 40804 01023
05363 50694 53912 50705 01030
06362 60697 63925 60704 35040
MF362 M0697 MF040
OBS 01 AT 0835Z OBS 06 AT 0857Z
OBS 07 SFC WND /////
REMARKS 363 674 809

URNT12 KMIA 151055
AF972 1914 JOSEPHINE OB 12 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01346 10672 13973 10605 27049
02348 20670 23930 20605 25048
03351 30671 33924 30605 25061
04354 40671 43903 40806 25061
05356 50672 53876 50705 26056
06359 60672 63854 60705 26050
07361 70672 73831 70907 31050
08364 80672 83812 81105 32023
MF354 M0671 MF061
OBS 01 AT 0928Z OBS 08 AT 0953Z
OBS 01 SFC WND /////
01368 10668 13828 11107 12028
02371 20669 23852 20904 10021
03374 30669 33872 30805 10022
04376 40668 43893 40805 14017
05379 50668 53912 50707 13025
06382 60668 63921 60505 12020
MF368 M0668 MF028
OBS 01 AT 1012Z OBS 06 AT 1029Z
OBS 06 SFC WND /////
REMARKS 366 668 800

URNT12 KMIA 151250 COR
AF972 1914 JOSEPHINE OB 16 COR KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01369 10651 13928 10505 16050
02369 20654 23910 20705 18043
03369 30656 33901 30705 15030
04369 40659 43876 40806 18050
05369 50662 53848 50807 16042
MF369 M0659 MF050
OBS 01 AT 1103Z OBS 05 AT 1118Z
OBS 01 SFC WND /////
01367 10672 13847 11104 34040
02367 20675 23868 21004 35037
03367 30678 33892 30904 36039
04367 40681 43904 40904 35036
05367 50683 53913 50803 34034
06367 60688 63929 60803 36041
07367 70690 73935 70803 36032
MF367 M0672 MF040
OBS 01 AT 1211Z OBS 07 AT 1229Z
OBS 07 SFC WND 34045
REMARKS 367 669 973

URNT12 KNIA 151615
AF977 2014 JOSEPHINE OB 05 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01365 10671 13903 11206 01041
02365 20669 23898 21206 33049
03365 30665 33883 31305 32055
04365 40662 43879 41205 31047
05366 50661 53866 51309 29057
06368 60660 63845 61406 29047
07370 70659 73830 71208 28038
MF366 M0661 MF057
OBS 01 AT 1320Z OBS 07 AT 1441Z
OBS 01 SFC WND /////
01373 10653 13854 10909 18034
02374 20650 23882 20909 19038
03374 30648 33900 30707 19048
04375 40642 43922 40808 21035
05375 50640 53937 50707 18036
06375 60638 63946 60707 20034
07374 70634 73954 70706 18055
MF374 M0634 MF055
OBS 01 AT 1535Z OBS 07 AT 1600Z
OBS 01 SFC WND /////
REMARKS 372 658 973

URNT12 KNIA 151732
AF977 2014 JOSEPHINE OB 09 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01391 10655 13943 10606 11042
02388 20655 23936 20606 09045
03386 30655 33919 30808 11048
04383 40656 43906 40808 10050
05381 50656 53881 51006 08044
06379 60656 63858 60909 08044
07377 70655 73837 71111 05049
MF383 M0656 MF050
OBS 01 AT 1630Z OBS 07 AT 1657Z
OBS 01 SFC WND /////
REMARKS 376 654 971

URNT12 KNIA 071345
AF977 0315 KLAUS OB 03 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01190 10632 10008 12424 13026
02190 20634 20008 22423 13037
03190 30637 30007 32422 12037
04190 40639 40006 42222 14045
05191 50642 50005 52423 12050
06191 60644 60003 62423 14052
07191 70648 70001 72323 13062
08191 80649 80001 82423 12061
09188 90652 90998 92323 11067
MF188 M0652 MF067

OBS 01 AT 1120Z OBS 09 AT 1157Z
OBS 01 SFC WND 15020

01188 10654 10998 12524 07045
02190 20654 20004 22424 08038
03193 30654 30005 32423 09037
04196 40654 40005 42423 10032
05198 50653 50006 52423 10034
06200 60653 60007 62424 08018
07203 70653 70007 72423 08018
MF188 M0654 MF045

OBS 01 AT 1228Z OBS 07 AT 1331Z
OBS 07 SFC WND 08015
REMARKS 185 653 996

URNT12 KMIA 071615
AF977 0315 KLAUS OB 06 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01188 10665 10006 12523 36033
02188 20663 20005 22423 01031
03188 30660 30004 32424 01029
04187 40658 40002 42524 36024
05186 50655 50000 52525 01022
06185 60652 60999 62525 27019
MF188 M0665 MF033
OBS 01 AT 1407Z OBS 06 AT 1432Z
OBS 01 SFC WND 01020
01188 10649 10997 12424 24014
02188 20647 20999 22222 17038
03191 30643 30002 32323 12082
04190 40640 40003 42323 13060
05192 50638 50005 52323 12040
06193 60635 60007 62323 13040
06193 60635 60007 62323 13040
07194 70633 70007 72424 14037
MF191 M0643 MF082
OBS 01 AT 1453Z OBS 07 AT 1555Z
OBS 07 SFC WND 13030
REMARKS 187 651 998

URNT12 KNIA 071800

AF977 0315 KLAUS OB 09 KNIA

SUPPLEMENTARY VORTEX DATA MESSAGE

01204 10643 10006 12526 11026

02202 20645 20005 22523 09039

03199 30645 30003 32423 09039

04196 40645 40003 42323 10043

05194 50646 50000 52323 11056

06192 60649 60996 62424 09026

MF196 M0645 MF043

OBS 01 AT 1720Z OBS 06 AT 1721Z

OBS 01 SFC WND 11025

REMARKS 190 649 995

URNT12 KNIA 080116

AF866 0415 KLAUS OB 03 KNIA

SUPPLEMENTARY VORTEX DATA MESSAGE

01200 10622 10006 12218 15043

02200 20625 20005 22320 14035

03200 30627 30004 32220 13043

04198 40629 40004 42120 13055

05196 50633 50000 52020 11055

06193 60635 60995 62322 14063

07194 70638 70990 72522 26013

MF193 M0635 MF063

OBS 01 AT 2347Z OBS 07 AT 0022Z

OBS 01 SFC WND //

01194 10641 10992 12522 04044

02194 20643 20997 22322 03046

03194 30647 30001 32222 03030

04194 40649 40002 42220 01032

05194 50651 50004 52221 03031

06194 60654 60005 62221 01025

07195 70656 70005 72321 36020

MF194 M0643 MF046

OBS 01 AT 0038Z OBS 07 AT 0103Z

OBS 07 SFC WND //

REMARKS 194 638 988

URNT12 KMIA 080312
AF866 0415 KLAUS OB 06 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01213 10639 10006 12320 12017
02209 20638 20005 22320 10030
03206 30639 30004 32220 10036
04204 40639 40003 42220 09040
05201 50639 50001 52220 08040
06200 60639 60997 62320 08067
07196 70639 70993 72221 06065
MF195 M0639 MF070
OBS 01 AT 0154Z OBS 07 AT 0227Z
OBS 01 SFC WND /////
01190 10635 10992 12422 25063
02189 20635 20995 22322 24062
03187 30635 30997 32322 26055
MF190 M0635 MF063
OBS 01 AT 0252Z OBS 07 AT 0258Z
OBS 03 SFC WND /////
REMARKS 194 635 98'

URNT12 KMIA 080428
AF866 0415 KLAUS OB 09 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01194 10643 1// 1// 35020
02195 20640 20993 22422 36030
03195 30638 30990 32523 36028
MF195 M0640 MF030
OBS 01 AT 0325Z OBS 03 AT 0332Z
OBS 01 SFC WND /////
01196 10632 10995 12222 14050
02196 20630 20998 22222 14058
03196 30628 30999 32121 13054
04196 40626 40001 42121 14056
05196 50622 50003 52121 16042
06197 60620 60004 62220 17040
MF196 M0630 MF058
OBS 01 AT 0344Z OBS 06 AT 0411Z
OBS 06 SFC WND /////
REMARKS 195 636 98'

URNT12 KMIA 080615

AF866 0415 KLAUS OB 12 KMIA

SUPPLEMENTARY VORTEX DATA MESSAGE

01210 10637 10004 12320 10036

02209 20637 20004 22221 09030

03207 30636 30002 32221 07040

04204 40636 40001 42221 08040

05202 50636 50999 52220 10056

06200 60636 60995 62221 09058

07198 70636 70993 72420 08061

MF198 M0636 MF061

OBS 01 AT 0444Z OBS 07 AT 0510Z

OBS 01 SFC WND /////

01193 10632 10989 12523 25032

02192 20631 20991 22323 23050

03188 30630 30002 31816 26060

04184 40631 40004 41816 25051

05178 50628 50005 51716 25041

MF188 M0630 MF060

OBS 01 AT 0525Z OBS 05 AT 0555Z

OBS 05 SFC WND /////

REMARKS 195 633 988

LAST REPORT OBS 01 THRU 12 TO KMIA@

ETA NKPA 08/0615Z'

URNT12 KMIA 081310

AF977 0515 KLAUS OB 03 KMIA

SUPPLEMENTARY VORTEX DATA MESSAGE

01181 10620 10005 12523 23048

02183 20621 20004 22523 24050

03186 30622 30002 32323 24061

04189 40623 40997 42424 24067

05191 50623 50993 52424 24067

06193 60624 60989 62625 25065

07195 70625 70988 72625 31031

MF191 M0623 MF067

OBS 01 AT 1100Z OBS 07 AT 1126Z OBS 01 SFC WND 24050

01196 10619 10992 12323 17056

02196 20616 20997 22121 14068

03196 30614 30002 32121 15053

04195 40610 40003 42323 15046

05196 50607 50005 52322 16041

06196 60605 60005 62322 16037

07196 70603 70006 72321 17041

MF196 M0616 MF068

OBS 01 AT 1209Z OBS 07 AT 1240Z OBS 07 SFC WND 15040

REMARKS 196 623 987'

AF977 0515 KLAUS OB 06 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01214 10620 10006 12423 14028
02212 20619 20006 22423 10026
03209 30619 30005 32422 11033
04206 40619 40003 42423 11049
05204 50620 50002 52323 09052
06201 60621 60997 62222 10077
07199 70621 70991 72323 09095

MF199 M0624 MF095

OBS 01 AT 1320Z OBS 07 AT 1353Z OBS 01 SFC WND 15030

01196 10622 10988 12626 02025
02197 20624 20992 22524 03041
03196 30626 30998 32424 36036
04196 40628 40001 42523 01036
05197 50621 50002 52423 01024
06197 60634 60004 62423 34020
07196 70637 70004 72424 34021

MF197 M0624 MF041

OBS 01 AT 1418Z OBS 07 AT 1445Z OBS 07 SFC WND 36020
REMARKS 197 621 987

URNT12 KMIA 090108

AF967 0615 KLAUS OB 04 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01187 10599 10397 10909 25037
02189 20600 23072 20808 26047
03192 30600 33064 30908 26043
04194 40600 43055 40808 24039
05197 50602 53019 51008 23047
06201 60603 63993 61208 23034
07203 70606 73986 71410 25016

MF197 M0602 MF047

OBS 01 AT 2327Z OBS 07 AT 2355Z

OBS 01 SFC WND /////

01209 10608 13988 11310 03027
02210 20608 23009 21010 07021
03213 30608 33028 31010 10029
04216 40608 43049 40707 12013
05219 50607 53058 50808 06023
06220 60607 63065 60908 07018
07223 70607 73071 70807 07022

MF213 M0608 MF029

OBS 01 AT 0024Z OBS 07 AT 0050Z

OBS 07 SFC WND /////

REMARKS 205 607 982

URNT12 KMIA 090257
AF967 0615 KLAUS OB 08 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01206 10625 13071 10807 35015
02206 20622 23064 20807 32020
03206 30619 33052 30908 34023
04207 40617 43045 41006 34033
05207 50614 53030 51009 35039
06208 60611 63008 61209 35030
07208 70608 73988 71211 35037
MF207 M0614 MF039
OBS 01 AT 0132Z OBS 07 AT 0157Z
OBS 01 SFC WND /////
01209 10602 13982 11111 15032
02209 20599 23000 21010 17035
03209 30596 33005 31010 17054
04211 40593 43005 41010 17039
05211 50590 53046 50909 18039
06211 60587 63070 60808 17043
07211 70585 73083 70808 19042
MF209 M0596 MF054
OBS 01 AT 0222Z OBS 07 AT 0248Z
OBS 07 SFC WND /////
REMARKS 209 605 976

URNT12 KMIA 090451
AF967 0615 KLAUS OB 11 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01229 10603 13061 10807 10019
02226 20603 23062 20808 13011
03224 30603 33056 30808 09022
04222 40603 43046 40808 12027
05219 50604 53033 50909 08031
06216 60604 63016 60909 10019
07214 70603 73993 71108 08011
MF219 M0604 MF031
OBS 01 AT 0326Z OBS 07 AT 0354Z
OBS 01 SFC WND /////
01207 10603 13949 11409 25032
02204 20602 23971 21110 27037
03202 30602 33998 30808 27047
04199 40602 43020 40909 26063
05197 50602 53036 50707 27037
06195 60602 63051 60808 25042
07192 70602 73060 70807 25039
MF199 M0602 MF063
OBS 01 AT 0409Z OBS 07 AT 0433Z
OBS 07 SFC WND /////
REMARKS 210 602 983

URNT12 KMIA 090651
AF967 0615 KLAUS DB 15 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01212 10582 13061 10808 17040
02212 20585 23047 20808 17018
03212 30588 33037 30909 17039
04212 40590 43022 40909 17047
05212 50593 53002 50909 17057
06212 60596 63973 61010 16039
07211 70598 73941 71212 15040
MF212 M0593 MF057

OBS 01 AT 0516Z OBS 07 AT 0541Z

OBS 01 SFC WND /////

01208 10599 13946 11212 28029
02206 20599 23978 21110 28042
03203 30599 33994 30808 27050
04200 40599 43034 40908 26055
05198 50599 53040 51008 27054
06196 60599 63045 60907 27051
07193 70598 73051 70907 26036

MF200 M0599 MF055

OBS 01 AT 0605Z OBS 07 AT 0629Z

OBS 07 SFC WND /////

REMARKS 211 600 931

URNT12 KMIA 091226

AF866 0715 KLAUS DB 04 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01198 10594 13062 10906 26040
02200 20594 23052 20909 27043
03203 30594 33039 30909 26045
04205 40594 43025 40906 26046
05207 50594 53013 51010 27054
06210 60594 63988 61109 26045
07213 70593 73960 71408 28038
08215 80593 83941 81509 27035
MF207 M0594 MF054

OBS 01 AT 1040Z OBS 08 AT 1108Z OBS 01 SFC WND 28040

01219 10595 13945 11310 32012
02222 20595 23971 21111 08040
03224 30595 33000 31010 09045
04226 40595 43015 41007 09037
05229 50595 53030 50908 11039
06232 60594 63042 61006 10030
07234 70594 73049 70904 10027
MF224 M0595 MF045

OBS 01 AT 1145Z OBS 07 AT 1210Z OBS 07 SFC WND 09035

REMARKS 217 595 939 197

URNT12 KNIA 091429

AF866 0715 KLAUS OB 07 KNIA

SUPPLEMENTARY VORTEX DATA MESSAGE

01217 10614 13064 10906 36025

02216 20611 23055 20807 34032

03216 30609 33049 30907 35037

04216 40606 43043 41007 34039

05217 50603 53034 51006 33040

06217 60600 63017 61107 34045

07218 70598 73990 71404 33052

NF218 N0598 NF052

OBS 01 AT 1249Z OBS 07 AT 1318Z

OBS 01 SFC WND 35035

01220 10590 13932 11409 17019

02220 20588 23951 21310 19018

03220 30586 33966 31210 20043

04220 40583 43000 40909 20052

05220 50580 53023 50808 19055

06221 60578 63040 60807 17060

07221 70575 73057 70806 19055

NF221 N0578 NF060

OBS 01 AT 1333Z OBS 07 AT 1356Z

OBS 07 SFC WND 18050

REMARKS 218 594 935'

URNT12 KNIA 091534

AF866 0715 KLAUS OB 11 KNIA

SUPPLEMENTARY VORTEX DATA MESSAGE

01235 10594 13048 10805 12032

02232 20595 23033 20805 09030

03230 30595 33024 31104 05025

04227 40594 43990 41106 04039

05225 50593 53968 51406 03035

06222 60591 63952 61309 30027

NF227 N0594 NF039

OBS 01 AT 1428Z OBS 06 AT 1453Z

OBS 01 SFC WND 11035

01218 10590 13981 11605 29050

02215 20590 23006 21305 29042

03213 30590 33031 31008 27042

04211 40590 43038 41010 27043

05209 50590 53045 50909 27043

06206 60591 63056 60907 26030

NF218 N0590 NF050

OBS 01 AT 1500Z OBS 06 AT 1521Z

OBS 06 SFC WND 25035

REMARKS 221 590 953' 198

URNT12 KMIA 091702

AF866 0715 KLAUS OB 15 KMIA

SUPPLEMENTARY VORTEX DATA MESSAGE

01220 10571 13047 10807 18053

02221 20574 23032 20806 17070

03222 30577 33007 30909 17056

04222 40579 43986 40909 20065

05224 50582 53946 51111 21080

06226 60585 63901 61414 23022

MF223 M0581 MF081

OBS 01 AT 1555Z OBS 06 AT 1619Z

OBS 01 SFC WND 18050

01227 10591 13966 11403 30042

02223 20594 23983 21103 32043

MF223 M0594 MF043

OBS 01 AT 1633Z OBS 02 AT 1638Z

OBS 02 SFC WND //

REMARKS 225 589 901.

URNT12 KMIA 100122

AF977 0815 KLAUS OB 05 KMIA

SUPPLEMENTARY VORTEX DATA MESSAGE

01213 10581 13071 11107 28050

02215 20581 23055 21008 27055

03218 30581 33048 31007 27056

04220 40581 43043 41004 26058

05222 50581 53033 51206 27056

06225 60580 63011 61406 27060

07227 70580 73976 71410 31062

08230 80579 83951 81409 29071

09232 90958 93921 91511 28055

MF230 M0579 MF071

OBS 01 AT 2302Z OBS 09 AT 2336Z

OBS 01 SFC WND //

01238 10578 13923 11310 05015

02240 20579 23947 21313 05024

03242 30579 33977 31110 07027

04246 40578 43994 41010 09025

05249 50578 53014 51010 11031

06251 60578 63040 61010 12027

07254 70577 73039 70707 12025

MF249 M0578 MF031

OBS 01 AT 0018Z OBS 02 AT 0049Z

OBS 07 SFC WND //

REMARKS 236 578 899 199

URNT12 KNIA 100318
AF977 0815 KLAUS OB 09 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01238 10593 13024 11107 31049
02239 20589 23007 21004 33048
03239 30587 33999 31304 33055
04239 40585 43997 41304 32065
05241 50581 53981 51109 33050
06240 60579 63923 61310 34040
MF239 M0585 MF065
OBS 01 AT 0125Z OBS 06 AT 0150Z
OBS 01 SFC WND /////
01241 10570 13917 11311 17038
02241 20567 23944 21212 18047
03240 30564 33960 31208 19045
04240 40562 43987 40909 20062
05240 50559 53999 51010 20064
06240 60556 63017 60909 20075
MF240 M0556 MF075
OBS 01 AT 0233Z OBS 06 AT 0255Z
OBS 06 SFC WND /////
REMARKS 240 573 910

URNT12 KNIA 100435
AF977 0815 KLAUS 08 12 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01240 10556 13008 11011 19036
02240 20559 23289 21010 18066
03240 30562 33951 31111 18055
04240 40565 43932 41212 19053
05240 50568 53916 51212 20032
MF240 M0559 MF066
OBS 01 AT 0305Z OBS 05 AT 0323Z
OBS 01 SFC WND /////
REMARKS 241 570 889

URNT12 KNIA 101422
AF866 0915 KLAUS 08 05 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01237 10555 13068 10904 26032
02240 20555 23032 21104 27025
03243 30555 33027 31104 26047
04245 40555 43018 41104 27036
05247 50555 53009 51202 27045
06250 60555 63999 61204 26046
07253 70555 73995 71104 27054
08257 80554 83957 81105 28059
09260 90553 93936 91505 29047
MF257 M0554 MF059
OBS 01 AT 1209Z OBS 09 AT 1242Z
OBS 01 SFC WND 27040
01270 10551 13887 11904 29040
02272 20550 23887 21704 27005
03275 30550 33937 31110 02012
04278 40550 43933 40909 12039
05280 50552 53958 50909 10024
06283 60552 63970 60907 10013
07285 70552 73982 70807 10026
08288 80551 83992 80805 11022
MF278 M0550 MF039
OBS 01 AT 1330Z OBS 08 AT 1402Z
OBS 08 SFC WND /////
REMARKS 264 552 908

URNT12 KMIA 101623
AF866 0915 KLAUS OB 09 KMIA
SUPPLEMENTARY VORTEX DATA MESSAGE
01270 10569 13997 10907 33014
02270 20566 23988 20909 32020
03270 30563 33979 30909 31026
04270 40561 43969 40909 29035
05270 50558 53957 50909 29041
06270 60555 63942 61008 29046
07270 70552 73926 71305 29063
MF270 M0552 MF063
OBS 01 AT 1444Z OBS 07 AT 1507Z
OBS 01 SFC WND 02030
01274 10543 13866 11607 24038
02274 20541 23870 21409 24048
03274 30538 33889 31407 23057
04274 40535 43915 41010 22070
05273 50532 53930 50909 21075
06272 60529 63951 60909 21072
07273 70526 73963 70807 21087
MF273 M0526 MF087
OBS 01 AT 1533Z OBS 07 AT 1557Z
OBS 07 SFC WND /////
REMARKS 273 547 877

URNT12 KNIA 101843
AF866 0915 KLAUS OB 13 KNIA
SUPPLEMENTARY VORTEX DATA MESSAGE

01294 10544 13950 10808 07008
02292 20544 23930 20909 10048
03289 30544 33906 31010 09034
04286 40544 43872 41010 06038
05284 50544 53849 51610 07007
06282 60543 63849 61608 30011
07279 70543 73864 71606 28024
MF292 M0544 MF048

OBS 01 AT 1638Z OBS 07 AT 1703Z
OBS 01 SFC WND /////

01277 10540 13890 11507 25047
02274 20540 23913 21307 26043
03271 30540 33944 31006 25055
04269 40541 43962 41008 25049
05267 50541 53974 51008 25047
06264 60542 63990 60906 25044
07262 70542 73996 70907 25044
MF271 M0540 MF055

OBS 01 AT 1727Z OBS 07 AT 1756Z
OBS 07 SFC WND 25040

REMARKS 280 542 860

LAST REPORT OBS 01-13 TO KNIA ETA MKPA 10/2025Z

Table 8. Tropical Cyclone Reconnaissance Summary for 1984

1. Requirements Levied	Atlantic	Eastern Pacific	Central Pacific
TDs, Storms, Hurricanes	251	5	25
Invests	125	0	
Total	376	-	
2. Requirements Accomplished			
53rd WRS (Cyclone/Invest)	30/11	4/0	13/0
815th WRS	119/60	0/0	
OAD	57/03	0/0	13/0
Total	206/74	4/0	13/0
Missions Early: 1-53rd/1-815th/// Late: 2-53rd/// Missed: 1-53rd/ 2-815th			
3. Missions Flown			
Year's first mission 31 May, Last mission 18 Nov			
53rd WRS	30	3	11
815th WRS	111		
OAD	25		
Total	166	3	--
Missions Cancelled: 53rd= 29/ 815th=76/ NOAA=3 Total= 108			
4. Flying Time			
53rd WRS	284.3	30.0	122.0
815th WRS	1034.4		
OAD	161.8	0	
Total	1480.5	30.0	
5. Observations			
Horizontal	2542	Vertical	149

SUPPLEMENTARY VORTEX DATA MESSAGE

MANOP HEADING (Completed by monitors only)

UR: _____12 _____

MISSION IDENTIFIER AND OBSERVATION NUMBER (Completed by flight meteorologist and monitor)

AF _____

SUPPLEMENTARY VORTEX DATA MESSAGE					LEGEND	
00	(L _a L _b L _c)	(L _o L _o L _o L _o)	(iHHH)	(TTT _d Td)	(ddfff)	00/0 = INDICATORS FOR DATA COLLECTED APPROX 100NM FROM SYSTEM CENTER
80						80/8 = INDICATORS FOR DATA COLLECTED APPROX 80NM FROM SYSTEM CENTER
60						60/6 = INDICATORS FOR DATA COLLECTED APPROX 60NM FROM SYSTEM CENTER
45						45/4 = INDICATORS FOR DATA COLLECTED APPROX 45NM FROM SYSTEM CENTER
30						30/3 = INDICATORS FOR DATA COLLECTED APPROX 30NM FROM SYSTEM CENTER
15						15/1 = INDICATORS FOR DATA COLLECTED APPROX 15NM FROM SYSTEM CENTER
CC					(YYGGgg)	CC/C = INDICATORS FOR DATA COLLECTED AT THE SYSTEM CENTER
MF	(fff)	(BBRRR)	(ddd)			ddd = TRUE DIRECTION IN TENS OF DEGREES OF STORM MOTION
	(L _a L _b L _c)	(L _o L _o L _o L _o)	(iHHH)	(TTT _d Td)	(ddfff)	MF = INDICATOR FOR MAX FLIGHT LEVEL WIND OBSERVED
15						AZ = INDICATOR FOR TRUE DIRECTION OF STORM MOTION
30						fff = SPEED OF WIND IN KNOTS
45						dd = TRUE DIRECTION OF FLIGHT LEVEL WIND SPEED IN TENS OF DEGREES
60						BBRRR = BEARING (BB) AND RANGE (RRR) FROM CENTER OF MF
80						YYGGgg = ZULU DATE/TIME OF CENTER DATA
00						TTT _d Td = TEMP/DEWPOINT IN DEGREES CELSIUS; ADD 50 FOR NEGATIVE VALUES
MF	(fff)	(BBRRR)				iHHH = PRESSURE HEIGHT DATA IN RECCO FORMAT
REMARKS (End of message)						L _a L _b L _c = LATITUDE IN DEGREES/TENTHS
						L _o L _o L _o L _o = LONGITUDE IN DEGREES/TENTHS
						/ = DATA UNKNOWN/UNOBTAINABLE

SAMPLE MESSAGE

```

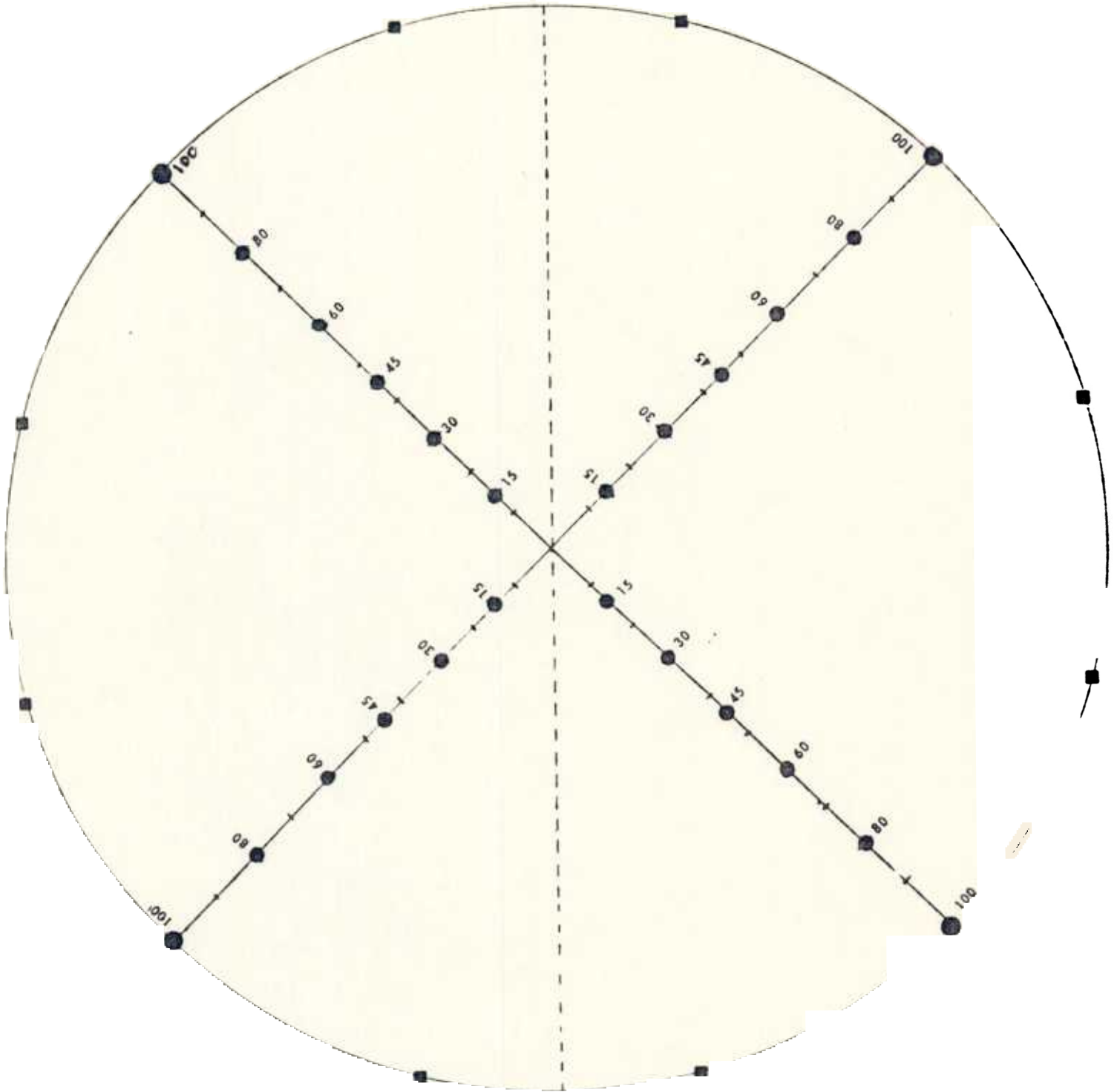
URNT 12 KMIA 241703
AF966 0411 FREDERIC OB 14
SUPPLEMENTARY VORTEX DATA MESSAGE
00178 00899 03107 00908 36027
80177 80895 83100 80908 35042
60178 60891 63092 60807 36052
45177 40887 43088 40907 35070
30178 30883 33070 30908 36088
15178 10880 13000 11010 35108
CC177 C0876 C3947 C1811 241647
MF148 27003 AZ310
15177 10872 13000 11010 18120
30178 30868 33070 31009 17098
45178 40862 43088 40909 18080
60177 60858 63093 60908 17050
80177 80854 83102 80908 17048
00178 00850 03108 00905 18031
MF145 09005
REMARKS LAST REPORT OBS 01 THRU 14 TO KMIA ETA KBI X. 241930Z
    
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APPENDIX A

CODE FOR SUPPLEMENTARY VORTEX DATA MESSAGE.

PREPARED BY:

TRANSMISSION TIME



APPENDIX B

ADVISORY NUMBER 1 TROPICAL STORM ARTHUR PROBABILITIES
FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF ARTHUR PASSING WITHIN 65 MILES OF
LISTED LOCATIONS THROUGH 2 PM AST SAT SEP 1 1984

CHANCES EXPRESSED IN PER CENT...TIMES AST

COASTAL LOCATIONS	ADDITIONAL PROBABILITIES				TOTAL THRU 2 PM SAT
	THRU 2 PM THU	2 PM THU THRU 2 AM FRI	2 AM FRI THRU 2 PM FRI	2 PM FRI THRU 2 PM SAT	
MCPG 125N 717W	X	X	X	2	2
MACC 122N 690W	X	X	4	2	6
MVMG 110N 640W	2	6	X	X	8
MKPP 106N 614W	8	1	X	X	9
MKPT 112N 608W	23	1	X	X	24
MKPE 122N 616W	40	X	X	X	40
MKPB 131N 595W	67	X	X	X	67
MKSV 131N 612W	51	X	X	X	51
MKFL 138N 610W	50	X	X	X	50
MFFF 146N 610W	38	X	X	X	38
MKPR 153N 614W	21	2	X	X	23
MFFR 163N 615W	3	3	X	X	6
MKPA 171N 618W	X	2	X	X	2
MKPK 173N 627W	X	2	X	X	2
MACM 181N 631W	X	X	1	X	1
MISX 177N 648W	X	1	1	1	3
MIST 183N 650W	X	X	1	X	1
MJPS 180N 666W	X	X	2	1	3
MDSD 185N 697W	X	X	X	7	7
MDCB 176N 714W	X	X	X	22	22
MTPP 186N 724W	X	X	X	14	14
MTCA 183N 738W	X	X	X	21	21
MKJP 179N 768W	X	X	X	11	11
MKJS 185N 779W	X	X	X	2	2
MUGM 200N 751W	X	X	X	3	3
MJSJ 184N 661W	X	X	1	1	2
MDPP 198N 707W	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 2 TROPICAL STORM ARTHUR PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF ARTHUR PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 12 AM ST SUN SEP 2 1984

CHANCES EXPRESSED IN PER CENT...TIMES ST

COASTAL LOCATIONS	THRU 12 AM FR	ADDITIONAL PROBABILITIES			TOTAL THRU 12 AM SUN
		12 AM FRI THRU 12 PM FRI	12 PM FRI THRU 12 AM SAT	12 AM SAT THRU 12 AM SUN	
MCPG 125N 717W	X	X		5	6
MACC 122N 690W	X	X	3	5	8
MVMG 110N 640W	1	3	3	1	8
MKPP 106N 614W	2	3	1	1	7
MKPT 112N 608W	7	2	1	1	11
MKPE 122N 616W	12	4	X		17
MKPB 131N 595W	47	X	X	X	47
MKSV 131N 612W	26	1	X	X	27
MKPL 138N 610W	32	1	X	X	33
MFFF 146N 610W	31	1	X	X	32
MKPR 153N 614W	21	3	1	1	26
MFFR 163N 615W	10	7	1	1	19
MKPA 171N 618W	3	9	3	1	16
MKPK 173N 627W		9	3	2	15
MACM 181N 631W	X	6	4	3	13
MISX 177N 648W	X	4	5	4	13
MIST 183N 650W	X	2	5	5	12
MJPS 180N 666W	X	1	4	6	11
MDSD 185N 697W	X	X	1	7	8
MDCB 176N 714W	X	X	X	7	7
MTPP 186N 724W	X	X	X	6	6
MTCA 183N 738W	X	X	X	5	5
MKJP 179N 768W	X	X	X	3	3
MKJS 185N 779W	X	X	X	2	2
MUGM 200N 751W	X	X	X	3	3
MUCM 214N 775W	X	X	X	1	1
MCSP 120N 817W	X	X	X		1
MPCO 093N 799W	X	X	X	1	1
MJSJ 184N 661W	X	1	4	6	11
MDPP 198N 707W	X	X	X	6	6
MKJT 215N 712W	X	X	X	4	4
MYMM 224N 730W	X	X	X	2	2
MYSM 241N 745W	X	X	X	1	1
MYEG 235N 758W	X	X	X	1	1

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 3 TROPICAL STORM ARTHUR PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF ARTHUR PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 AM AST SUN SEP 2 1984

CHANCES EXPRESSED IN PER CENT...TIMES AST

COASTAL LOCATIONS	ADDITIONAL PROBABILITIES					TOTAL THRU 2 AM SUN
	THRU 2 AM FRI	2 AM FRI THRU 2 PM FRI	2 PM FRI THRU 2 AM SAT	2 AM SAT THRU 2 AM SUN		
MCPG 125N 71 7W	X	X	1	3	4	
MA CC 122N 69 0W	X	X	2	4	6	
MVMG 110N 64 0W	X	2		2	5	
MKPP 106N 61 4W	X	1	1	1	3	
MKPT 112N 60 8W	2	1	1	X	4	
MKPE 122N 61 6W	5	3	1	1	10	
MKPB 13 1N 59 5W	39	X	X	X	39	
MKSV 13 1N 61 2W	16	2	X	X	18	
MKPL 13 8N 61 0W	26	1	X	X	27	
MFFF 146N 61 0W	31	1	X	X	32	
MKPR 153N 61 4W	27	2	X	X	29	
MFFR 163N 61 5W	20	4	X		25	
MKPA 171N 61 8W	10	8	1	1	20	
MKPK 173N 62 7W	4	11	2	1	18	
MA OM 181N 63 1W	1	9	4	2	16	
MISX 177N 64 8W	X	7	5	3	15	
MIST 183N 65 0W	X	4	6	4	14	
MJPS 180N 66 0W	X	2	5	5	12	
MD SD 185N 69 7W	X	X	2	6	8	
MDCB 176N 71 4W	X	X	1	6	7	
MT PP 186N 72 4W	X	X	X	5	5	
MT CA 183N 73 8W	X	X	X	4	4	
MKJP 179N 76 8W	X	X	X	2	2	
MKJS 185N 77 9W	X	X	X	1	1	
MUGM 200N 75 1W	X	X	X	3	3	
MUCM 214N 77 9W	X	X	X	1		
MJSJ 184N 66 1W	X	2	6	4	12	
MD FP 198N 70 7W	X	X	1	5	6	
MKJT 215N 71 2W	X	X	X	4	4	
MYMM 224N 73 0W	X	X	X	2	2	
MY SM 241N 74 5W	X	X	X	1	1	
MYEG 235N 75 8W	X	X	X	1		

X MEANS LESS THAN ONE PERCENT

NNNNZ C7 C

ADVISORY NUMBER 4 TROPICAL STORM ARTHUR PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF ARTHUR PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 12 PM AST SUN SEP 2 1984

CHANCES EXPRESSED IN PER CENT...TIMES ST

COASTAL LOCATIONS	THRU 12 PM FRI	ADDITIONAL PROBABILITIES			TOTAL THRU 12 PM SUN
		12 AM SAT	12 PM SAT	12 PM SUN	
MCPG 12 5N 71 7W	X	X	X	3	3
MA CC 12 2N 69 0W	X	X	1	3	4
MVM G 11 0N 64 0W	X	1	X		2
MKPE 12 2N 61 6W	1	2	X	1	4
MKPB 13 1N 59 5W	22	X	X		23
MKSV 13 1N 61 2W	7	2	X	1	10
MKPL 13 8N 61 0W	19	X	X	1	20
MFFF 14 0N 61 0W	30	1	X	X	31
MKPR 15 3N 61 4W	32	X	X	X	32
MFFR 16 3N 61 5W	32	1	X	X	33
MKPA 17 1N 61 8W	24	3	X	X	27
MKPK 17 3N 62 7W	13	8	1	1	23
MA CM 18 1N 63 1W	5	11	2	1	19
MISX 17 7N 64 8W	1	10	3	2	16
MIST 18 3N 65 0W	X	9	4	3	16
MJPS 18 0N 66 6W	X	4	5	4	13
MD SD 18 5N 69 7W	X	X	3	6	9
MDCB 17 6N 71 4W	X	X	1	6	7
MT PP 18 6N 72 4W	X	X	X	6	6
MI CA 18 3N 73 8W	X	X	X	5	5
MKJP 17 9N 76 8W	X	X	X	2	2
MKJS 18 5N 77 9W	X	X	X	2	2
MUGM 20 0N 75 1W	X	X	X	3	3
MJSJ 18 4N 66 1W	X	5	5	4	14
MD PP 19 8N 70 7W	X	X	1	7	8
MKJT 21 5N 71 2W	X	X	X	6	6
MYMM 22 4N 73 0W	X	X	X	3	3

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 5 TROPICAL STORM ARTHUR PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF ARTHUR PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 PM AST SUN SEP 2 1984

CHANCES EXPRESSED IN PER CENT...TIMES AST

COASTAL LOCATIONS	THRU 2 PM FRI	ADDITIONAL PROBABILITIES			TOTAL THRU 2 PM SUN
		2 PM FRI THRU 2 AM SAT	2 AM SAT THRU 2 PM SAT	2 PM SAT THRU 2 PM SUN	
MCPG 125N 71 7W	X	X	X	2	2
MA CC 122N 69 0W	X	X	1		2
MKFE 122N 61 6W	1	1	X	1	3
MKPB 131N 59 5W	9	1	X	X	10
MKSU 131N 61 2W	3	2	1	X	6
MKPL 13 8N 61 0W	9	2	1	X	12
MFFF 146N 61 0W	19	1	X	1	21
MKPR 153N 61 4W	22	1	X	X	23
MFFR 163N 61 5W	26	1	X	X	27
MKPA 171N 61 8W	21	3		X	25
MKPK 173N 62 7W	11	7	1	1	20
MA OM 181N 63 1W	5	9	2	2	18
MISX 177N 64 8W	X	7	4	3	14
MIST 183N 65 0W	X	6	5	3	14
MJPS 180N 66 6W	X	2	5	4	11
MDSD 185N 69 7W	X	X	1	6	7
MDCB 176N 71 4W	X	X	X	5	5
MTPP 186N 72 4W	X	X	X	4	4
MTCA 183N 73 8W	X	X	X	3	3
MUGM 200N 75 1W	X	X	X	2	2
MJSJ 184N 66 1W	X	3	5	4	12
MDPP 198N 70 7W	X	X	1	5	6
MKJT 215N 71 2W	X	X	X	5	5
MYMM 224N 73 0W	X	X	X	3	3

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 6 HURRICANE ARTHUR PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF ARTHUR PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 12 AM ST MON SEP 3 1984

CHANCES EXPRESSED IN PER CENT...TIMES ST

COASTAL LOCATIONS	ADDITIONAL PROBABILITIES						TOTAL THRU 12 AM MON	
	THRU 12 AM SAT	12 AM SAT		12 PM SAT		12 AM SUN		
		12 PM SAT	12 AM SUN	12 PM SUN	12 AM MON			
MVMG 110N 640W	X		X			X		
MKPP 106N 614W	X		1			X		
MKPT 112N 608W	X	Y	1			X	1	
MKPE 122N 616W	1					X	3	
MKPB 131N 595W	4		2			X	7	
MKSJ 131N 612W	2		2			X	5	
MKPL 138N 610W	4		3			1	9	
MFFF 146N 610W	7		5			1	14	
MKPR 153N 614W	8		5			2	16	
MFFR 163N 615W	12		4			2	20	
MKPA 171N 618W	9		6			4	21	
MKPK 173N 627W	3		8			5	19	
MAVM 181N UFOQW	1		8		5	8	5 -	15
MISX 177N 648W	X		2		5	5	6	13
MIST 183N 650W	X		2		4	7	7	13
MJPS 180N 666W	X		1		1	4	4	6
MDSD 185N 697W	X		X		X	1	1	1
MJSJ 184N 661W	X		1		1	7	7	9

X MEANS LESS THAN ONE PERCENT

NNNZ CZ C

ADVISORY NUMBER 7 TROPICAL STORM ARTHUR PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF ARTHUR PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 AM AST MON SEP 3 1984

CHANCES EXPRESSED IN PER CENT...TIMES AST

COASTAL LOCATIONS	THRU 2 AM SAT	ADDITIONAL PROBABILITIES			TOTAL THRU 2 AM MON
		2 AM SAT	2 PM SAT	2 AM SUN	
		THRU 2 PM SAT	THRU 2 AM SUN	THRU 2 AM MON	
MCPG 125N 717W	X	X	X	2	2
MA CC 122N 690W	X	X	X	2	2
M/M G 110N 640W	X	X	1	1	2
MKPP 106N 614W	X	X	1		N2
MKPT 112N 608W	X	1	1	X	2
MKPE 122N 616W	X	2	1		4
MKPB 131N 595W	3	3	1		8
MKSV 131N 612W	1	3	2		7
MKPL 138N 610W	3	3	2	2	10
MFFF 146N 610W	5	4	2	1	12
MKPR 153N 614W	4	6	2	2	14
MFFR 163N 615W	5	6	3	1	15
MKPA 171N 618W	4	6	3	2	15
MKPK 173N 627W	1	6	4	2	13
MA CM 181N 631W	1	4	4	4	13
MISX 177N 648W	X	1	5	4	10
MIST 183N 650W	X	1	4	5	10
MJPS 180N 666W	X	X	2	6	8
MD SD 185N 697W	X	X	X	5	5
MDCB 176N 714W	X	X	X	4	4
MT PP 186N 724W	X	X	X	3	3
MT CA 183N 738W	X	X	X	2	2
MKJP 179N 768W	X	X	X	1	1
MKJS 185N 779W	X	X	X	1	1
MUGM 200N 751W	X	X	X	1	1
MJSJ 184N 661W	X	X	3	6	9
MD PP 198N 707W	X	X	X	4	4
MKJT 215N 712W	X	X	X	3	3
MYMM 224N 730W	X	X	X	2	2
MYSM 241N 745W	X	X	X	1	1
MYE G 235N 758W	X	X	X	1	1

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 8 TROPICAL STORM ARTHUR PROBABILITIES

FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF ARTHUR PASSING WITHIN 65 MILES OF
LISTED LOCATIONS THROUGH 8 AM AST MON SEP 3 1984

CHANCES EXPRESSED IN PER CENT...TIMES AST

COASTAL LOCATIONS	ADDITIONAL PROBABILITIES					TOTAL THRU 8 AM MON
	THRU 8 AM SAT	8 AM SAT THRU 8 PM SAT	8 PM SAT THRU 8 AM SUN	8 AM SUN THRU 8 AM MON		
MA CC 122N 690W	X	X	X	2		2
MV MG 110N 640W	X	X	1	1		2
MK PP 106N 614W	X	X	1	1		2
MK PT 112N 608W	X	X	1	1		2
MK PE 122N 616W	X	1	2	1		4
MK PB 131N 595W	2	2		1		6
MK SV 131N 612W	1	2	2	2		7
MK FL 138N 610W	3	3	2	1		9
MFFF 146N 610W	6	3	2	2		13
MK PR 153N 614W	6	5	2	1		14
MFFR 163N 615W	9	4	2	1		16
MK PA 171N 618W	7	5	3	1		16
MK PK 173N 627W	2	6	3	3		14
MA OM 181N 631W	1	5	4	3		13
MISX 177N 648W	X	2	4	4		10
MIST 183N 650W	X	1	4	5		10
MJ PS 180N 666W	X	X	3	5		8
MD SD 185N 697W	X	X	X	4		4
MDCB 176N 714W	X	X	X	3		3
MT PP 186N 724W	X	X	X	2		2
MJSJ 184N 661W	X	1	2	5		8
MD PP 198N 707W	X	X	X	3		3
MK JT 215N 712W	X	X	X	2		2

X MEANS LESS THAN ONE PERCENT

NNNZ CZ C

ADVISORY NUMBER 2 TROPICAL STORM DIANA PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF DIANA PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 6 PM EDT TUE SEP 11 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 6 PM SUN	ADDITIONAL PROBABILITIES			TOTAL THRU 6 PM TUE
		6 PM SUN THRU 6 AM MON	6 AM MON THRU 6 PM MON	6 PM MON THRU 6 PM TUE	
MARATHON FL	X	1	X	1	2
MIAMI FL	1	1	1	1	4
W PALM BEACH FL	6	1	1	1	9
FT PIERCE FL	22	X	X	X	22
COCOA BEACH FL	37	X	X	X	37
DAYTONA BEACH FL	45	X	X	X	45
JACKSONVILLE FL	33	1	X	X	34
SAVANNAH GA	15	3	1	1	20
CHARLESTON SC	5	7	4	1	17
MYRTLE BEACH SC	1	7	4	3	15
WILMINGTON NC	X	5	5	4	14
MOREHEAD CITY NC	X	3	5	4	12
CAPE HATTERAS NC	X	1	5	5	11
NORFOLK VA	X	1	3	5	9
OCEAN CITY MD	X	X	1	6	7
ATLANTIC CITY NJ	X	X	1	5	6
NEW YORK CITY NY	X	X	X	4	4
MONTAUK POINT NY	X	X	X	4	4
PROVIDENCE RI	X	X	X	3	3
NANTUCKET MA	X	X	X	3	3
HYANNIS MA	X	X	X	3	3
BOSTON MA	X	X	X	2	2
KEY WEST FL	X	X	1	1	2
MARCO ISLAND FL	1	2	1	2	6
FT MYERS FL	3	3	1	1	8
VENICE FL	5	3	2	1	11
TAMPA FL	14	2	X	1	17
CEDAR KEY FL	19	1	1	X	21
ST MARKS FL	9	4	2	1	16
APALACHICOLA FL	3	6	1	2	12
PANAMA CITY FL	2	4	2	2	10
PENSACOLA FL	X	2	2	2	6
MOBILE AL	X	1	1	2	4
GULFPORT MS	X	X	1	2	3
BURAS LA	X	X	1	2	3
NEW ORLEANS LA	X	X	1	1	2
GULF 29N 85W	3	5	1	2	11
GULF 29N 87W	X	2	2	2	6

ADVISORY NUMBER 3 TROPICAL STORM DIANA PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF DIANA PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 12 AM DT WED SEP 12 1984

CHANCES EXPRESSED IN PER CENT...TIMES DT

COASTAL LOCATIONS	THRU 12 AM MON	ADDITIONAL PROBABILITIES				TOTAL THRU 12 AM WED
		12 AM MON THRU 12 PM MON	12 PM MON THRU 12 AM TUE	12 AM TUE THRU 12 AM WED		
MYGF 266N 787W	1	1	X	2	4	
MARATHON FL	X	X	1	1	2	
MIAMI FL	X	1	1	1	3	
W PALM BEACH FL	5	1	1	1	8	
FT PIERCE FL	30	X	X	X	30	
COCOA BEACH FL	64	X	X	X	64	
DAYTONA BEACH FL	72	X	X	X	72	
JACKSONVILLE FL	37	X	X	X	37	
SAVANNAH GA	14	4	1		20	
CHARLESTON SC	4	8	3	2	17	
MYRTLE BEACH SC	1	6	4	3	14	
WILMINGTON NC	X	4	5	4	13	
MOREHEAD CITY NC	X	2	4	5	11	
CAPE HATTERAS NC	X	1	3	6	10	
NO FOLK VA	X	X	3	6	9	
OCEAN CITY MD	X	X	1	6	7	
ATLANTIC CITY NJ	X	X	1	4	5	
NEW YORK CITY NY	X	X	X	4	4	
MONTAUK POINT NY	X	X	X	3	3	
PROVIDENCE RI	X	X	X	3	3	
NANTUCKET MA	X	X	X	3	3	
HYANNIS MA	X	X	X	2	2	
BOSTON MA	X	X	X	2	2	
KEY WEST FL	X	X	1		2	
MARCO ISLAND FL	1	1	1	2	5	
FT MYERS FL	4	2	1	1	8	
VENICE FL	7	3	1	X	11	
TAMPA FL	19	1	1	X	21	
CEDAR KEY FL	25	1	X	1	27	
ST MARKS FL	14	3	2	X	19	
APALACHICOLA FL	7	5	1	2	15	
PANAMA CITY FL	3	6	2	2	13	
PENSACOLA FL	X	3	3	3	9	
MOBILE AL	X	1	2	4	7	
GULFPORT MS	X	1	1	3	5	
EURAS LA	X	X	1	3	4	
NEW ORLEANS LA	X	X	1	3	4	
NEW IBERIA LA	X	X	X	2	2	
GULF 25N 85W	5	5	2	1	13	
GULF 25N 87W	X	3	3	2	8	
GULF 28N 89W	X	X	2	2	4	
GULF 28N 91W	X	X	1		2	

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ADVISORY NUMBER 5 TROPICAL STORM DIANA PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF DIANA PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH NOON EDT WED SEP 12 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	ADDITIONAL PROBABILITIES				TOTAL THRU
	THRU 12 PM MON	12 PM MON THRU 12 AM TUE	12 AM TUE THRU 12 PM TUE	12 PM TUE THRU 12 PM WED	
MYGF 266N 787W	X	1	1	1	3
BERMUDA	X	X	X	2	2
MIAMI FL	X	X	1	1	2
W PALM BEACH FL	1	X	1	2	4
FT PIERCE FL	3	1	1	2	7
COCOA BEACH FL	18	X	X	X	18
DAYTONA BEACH FL	56	X	X	X	56
JACKSONVILLE FL	36	X	X	X	36
SAVANNAH GA	28	1	X	X	29
CHARLESTON SC	22	2	X	1	25
MYRTLE BEACH SC	10	7	2	1	20
WILMINGTON NC	4	9	3	2	18
MOREHEAD CITY NC	2	8	4	2	16
CAPE HATTERAS NC	1	5	5	3	14
NORFOLK VA	X	3	5	4	12
OCEAN CITY MD	X	1	3	5	9
ATLANTIC CITY NJ	X	X	2	5	7
NEW YORK CITY NY	X	X	1	5	6
MONTAUK POINT NY	X	X	1	4	5
PROVIDENCE RI	X	X	X	4	4
NANTUCKET MA	X	X	1	4	5
HYANNIS MA	X	X	X	4	4
BOSTON MA	X	X	X	4	4
PORTLAND ME	X	X	X	2	2
BAR HARBOR ME	X	X	X	2	2
YARMOUTH NS	X	X	X	2	2
MARCO ISLAND FL	X	1	X	1	2
FT MYERS FL	X	1	1	1	3
VENICE FL	1	1	1	1	4
TAMPA FL	3	1	1	2	7
CEDAR KEY FL	6	2	1	1	10
ST MARKS FL	3	2	2	1	8
APALACHICOLA FL	1	2	1	1	5
PANAMA CITY FL	1	1	1	1	4
PENSACOLA FL	X	1	X	2	3

X MEANS LESS THAN ONE PERCENT

NNNN

ADVISORY NUMBER 6 TROPICAL STORM DIANA PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF DIANA PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH NOON EDT WED SEP 12 1984
 CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 12 PM MON	ADDITIONAL PROBABILITIES			TOTAL THRU 12 PM WED
		12 PM MON 12 AM TUE	12 AM TUE THRU 12 PM TUE	12 PM TUE THRU 12 PM WED	
30.5N 80.5W	70	X	X	X	70
JACKSONVILLE FL	36	X	X	X	36
SAVANNAH GA	28	1	X	X	29
CHARLESTON SC	22	2	X	1	25
MYRTLE BEACH SC	10	7	2		20
WILMINGTON NC	4	9	3	2	18
MOREHEAD CITY NC	2	8	4	2	16
CAPE HATTERAS NC	1	5	5	3	14
NORFOLK VA	X	3	5	4	12
OCEAN CITY MD	X	1	3	5	9
ATLANTIC CITY NJ	X	X	2	5	7
NEW YORK CITY NY	X	X	1	5	6
MONTAUK POINT NY	X	X	1	4	5
PROVIDENCE RI	X	X	X	4	4
NANTUCKET MA	X	X	1	4	5
HYANNIS MA	X	X	X	4	4
BOSTON MA	X	X	X	4	4
PORTLAND ME	X	X	X	2	2
BAR HARBOR ME	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

NNNZ CZ C

ADVISORY NUMBER 7 TROPICAL STORM DIANA PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF DIANA PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 6 PM EDT WED SEP 12 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 6 PM MON	ADDITIONAL PROBABILITIES			TOTAL THRU 6 PM WED
		6 PM MON THRU 6 AM TUE	6 AM TUE THRU 6 PM TUE	6 PM TUE THRU 6 PM WED	
31.0N 80 5W	75	X	X	X	75
JACKSONVILLE FL	70	X	X	X	70
SAVANNAH GA	44	1	X	X	45
CHARLESTON SC	26	1	X	1	28
MYRTLE BEACH SC	13	6	1	1	21
WILMINGTON NC	5	10	2	2	19
MOREHEAD CITY NC	2	9	4	2	17
CAPE HATTERAS NC	1	6	6	2	15
NORFOLK VA	X	3	6	4	13
OCEAN CITY MD	X		4	5	10
ATLANTIC CITY NJ	X	X	3	5	8
NEW YORK CITY NY	X	X	1	5	6
MONTAUK POINT NY	X	X	1	5	6
PROVIDENCE RI	X	X	1	4	5
NANTUCKET MA	X	X	1	5	6
HYANNIS MA	X	X	1	4	5
BOSTON MA	X	X	X	4	4
PORTLAND ME	X	X	X	3	3
BAR HARBOR ME	X	X	X	2	2
EASTPORT ME	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

NNNZ CZ C

ADVISORY NUMBER 8 TROPICAL STORM DIANA PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF DIANA PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 12 AM EDT THU SEP 13 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 12 AM TUE	ADDITIONAL PROBABILITIES			TOTAL THRU 12 AM THU
		12 AM TUE THRU 12 PM TUE	12 PM TUE THRU 12 AM WED	12 AM WED THRU 12 AM THU	
31.0N 80.5W	80	X	X	X	80
JACKSONVILLE FL	38	X	X	X	38
SAVANNAH GA	30	X	X	1	31
CHARLESTON SC	26	1	X	X	27
MYRTLE BEACH SC	14	5	1	1	21
WILMINGTON NC	6	9	2	2	19
MOREHEAD CITY NC	3	9	3	2	17
CAPE HATTERAS NC	1	6	6	2	15
NORFOLK VA	X	4	5	4	13
OCEAN CITY MD	X	1	4	5	10
ATLANTIC CITY NJ	X	X	3	5	8
NEW YORK CITY NY	X	X	1	5	6
MONTAUK POINT NY	X	X	1	5	6
PROVIDENCE RI	X	X	1	4	5
NANTUCKET MA	X	X	1	5	6
HYANNIS MA	X	X	1	4	5
BOSTON MA	X	X	X	4	4
PORTLAND ME	X	X	X	3	3
BAR HARBOR ME	X	X	X	2	2
EASTPORT ME	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

NNNZCZC

ADVISORY NUMBER 9 TROPICAL STORM DIANA PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS
 CHANCES OF CENTER OF DIANA PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 AM EDT THU SEP 13 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 AM TUE	ADDITIONAL PROBABILITIES			TOTAL THRU 2 AM THU
		2 AM TUE THRU 2 PM TUE	2 PM TUE THRU 2 AM WED	2 AM WED THRU 2 AM THU	
31.5N 79.8W	75	X	X	X	75
DAYTONA BEACH FL	19	X	X	X	19
JACKSONVILLE FL	27	X	X	X	27
SAVANNAH GA	30	1	X	X	31
CHARLESTON SC	35	X	1	X	36
MYRTLE BEACH SC	27	1	X	1	29
WILMINGTON NC	18	3	1	1	23
MOREHEAD CITY NC	9	8	1	1	19
CAPE HATTERAS NC	3	9	3	2	17
NORFOLK VA	1	7	4	3	15
OCEAN CITY MD	X	3	5	4	12
ATLANTIC CITY NJ	X	1	4	5	10
NEW YORK CITY NY	X	X	3	5	8
MONTAUK POINT NY	X	X	2	5	7
PROVIDENCE RI	X	X	1	5	6
NANTUCKET MA	X	X	1	5	6
HYANNIS MA	X	X	1	5	6
BOSTON MA	X	X	1	4	5
PORTLAND ME	X	X	X	3	3
BAR HARBOR ME	X	X	X	3	3
EASTPORT ME	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

NNNN

ADVISORY NUMBER 10 HURRICANE DIANA PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS
 CHANCES OF CENTER OF DIANA PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 AM EDT THU SEP 13 1984
 CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 AM TUE	ADDITIONAL PROBABILITIES			TOTAL THRU 2 AM THU
		2 AM TUE THRU 2 PM TUE	2 PM TUE THRU 2 AM WED	2 AM WED THRU 2 AM THU	
31.5N 79.8W	75	X	X	X	75
DAYTONA BEACH FL	19	X	X	X	19
JACKSONVILLE FL	27	X	X	X	27
SAVANNAH GA	30	1	X	X	31
CHARLESTON SC	35	X	1	X	36
MYRTLE BEACH SC	27	1	X	1	29
WILMINGTON NC	18	3	1	1	23
MOREHEAD CITY NC	9	8	1	1	19
CAPE HATTERAS NC	3	9	3	2	17
NORFOLK VA	1	7	4	3	15
OCEAN CITY MD	X	3	5	4	12
ATLANTIC CITY NJ	X	1	4	5	10
NEW YORK CITY NY	X	X	3	5	8
MONTAUK POINT NY	X	X	2	5	7
PROVIDENCE RI	X	X	1	5	6
NANTUCKET MA	X	X	1	5	6
HYANNIS MA	X	X	1	5	6
BOSTON MA	X	X	1	4	5
PORTLAND ME	X	X	X	3	3
BAR HARBOR ME	X	X	X	3	3
EASTPORT ME	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

NNNN

ADVISORY NUMBER 11 HURRICANE DIANA PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF DIANA PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH NOON EDT THU SEP 13 1984

CHANCES EXPRESSED IN PERCENT...TIMES EDT

COASTAL LOCATIONS	THRU 12 PM TUE	ADDITIONAL PROBABILITIES			TOTAL THRU 12 PM THU
		12 PM TUE THRU 12 AM WED	12 AM WED THRU 12 PM WED	12 PM WED THRU 12 PM THU	
31.5N 79.5W	75	X	X	X	75
BERMUDA	X	X	X	2	2
JACKSONVILLE FL	11	1	1	2	15
SAVANNAH GA	24	1	X	X	25
CHARLESTON SC	31	1	X	X	32
MYRTLE BEACH SC	22	1	1	X	24
WILMINGTON NC	13	5	1	1	20
MOREHEAD CITY NC	7	7	2	2	18
CAPE HATTERAS NC	3	7	3	2	15
NORFOLK VA	X	5	4	3	12
OCEAN CITY MD	X	1	4	5	10
ATLANTIC CITY NJ	X	X	3	4	7
NEW YORK CITY NY	X	X	1	4	5
MONTAUK POINT NY	X	X	1	4	5
PROVIDENCE RI	X	X	1	3	4
NANTUCKET MA	X	X	1	3	4
HYANNIS MA	X	X	1	3	4
BOSTON MA	X	X	X	3	3
PORTLAND ME	X	X	X	2	2

X MEANS LESS THAN 1 PERCENT

NNNN

ADVISORY NUMBER 12 HURRICANE DIANA PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF DIANA PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 PM EDT THU SEP 13 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 PM TUE	ADDITIONAL PROBABILITIES			TOTAL THRU 2 PM THU
		2 PM TUE THRU 2 AM WED	2 AM WED THRU 2 PM WED	2 PM WED THRU 2 PM THU	
32.5N 76.5W	75	X	X	X	75
BERMUDA	X	X	X	2	2
SAVANNAH GA	15	2	X	1	18
CHARLESTON SC	24	1	X	X	25
MYRTLE BEACH SC	21	1	1	X	23
WILMINGTON NC	14	4	1		20
MOREHEAD CITY NC	8	6	2	2	18
CAPE HATTERAS NC	3	7	3	3	16
NORFOLK VA	X	5	4	3	12
OCEAN CITY MD	X	1	4	4	9
ATLANTIC CITY NJ	X	X	2	5	7
NEW YORK CITY NY	X	X		4	5
MONTAUK POINT NY	X	X		4	5
PROVIDENCE RI	X	X	1	3	4
NANTUCKET MA	X	X	1	3	4
HYANNIS MA	X	X	1	3	4
BOSTON MA	X	X	X	3	3
PORTLAND ME	X	X	X	2	2

X MEANS LESS THAN PERCENT

NNNN

ADVISORY NUMBER 13 HURRICANE DIANA PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF DIANA PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 12 AM EDT FRI SEP 14 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	ADDITIONAL PROBABILITIES				TOTAL THRU 12 AM FRI
	THRU 12 AM WED	12 AM WED THRU 12 PM WED	12 PM WED THRU 12 AM THU	12 AM THU THRU 12 AM FRI	
32.1N 78.6W	75	X	X	X	75
SAVANNAH GA	11	2	1	1	15
CHARLESTON SC	26	1	X	X	27
MYRTLE BEACH SC	24	1	1	X	26
WILMINGTON NC	18	2	1	1	22
MOREHEAD CITY NC	11	5	2	1	19
CAPE HATTERAS NC	5	7	2	2	16
NORFOLK VA	1	5	3	4	13
OCEAN CITY MD	X	2	3	5	10
ATLANTIC CITY NJ	X	1	2	5	8
NEW YORK CITY NY	X	X	1	5	6
MONTAUK POINT NY	X	X	1	4	5
PROVIDENCE RI	X	X	1	3	4
NANTUCKET MA	X	X	1	4	5
HYANNIS MA	X	X	1	3	4
BOSTON MA	X	X	X	4	4
PORTLAND ME	X	X	X	2	2
BAR HARBOR ME	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

NNNN

ADVISORY NUMBER 14 HURRICANE DIANA PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF DIANA PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 AM EDT FRI SEP 14 1984

CHANCES EXPRESSED IN PER CENT TIMES EDT

COASTAL LOCATIONS	ADDITIONAL PROBABILITIES				TOTAL THRU 2 AM FRI
	THRU 2 AM WED	2 AM WED THRU 2 PM WED	2 PM WED THRU 2 AM THU	2 AM THU THRU 2 AM FRI	
33. ON 78. 0W	75	X	X	X	75
SAVANNAH GA	4	3	3	2	12
CHARLESTON SC	23	1	X	X	24
MYRTLE BEACH SC	37	1	X	X	38
WILMINGTON NC	34	1	X	X	35
MOREHEAD CITY NC	26	X	1	X	27
CAPE HATTERAS NC	14	4	1	1	20
NORFOLK VA	4	7	2	3	16
OCEAN CITY MD	1	4	3	4	12
ATLANTIC CITY NJ	X	2	3	4	9
NEW YORK CITY NY	X	1		4	7
MONTAUK POINT NY	X	X	-	4	6
PROVIDENCE RI	X	X	1	4	5
NANTUCKET MA	X	X	1	5	6
HYANNIS MA	X	X	1	4	5
BOSTON MA	X	X	1	3	4
PORTLAND ME	X	X	X	3	3
BAR HARBOR ME	X	X	X	2	2
EASTPORT ME	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

NNNN

ADVISORY NUMBER 1 TROPICAL STORM ISIDORE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF ISIDORE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 AM EDT SAT SEP 29 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 AM THU	ADDITIONAL PROBABILITIES			TOTAL THRU 2 AM SAT
		2 AM THU THRU 2 PM THU	2 PM THU THRU 2 AM FRI	2 AM FRI THRU 2 AM SAT	
MARATHON FL	4	7	2	2	15
MIAMI FL	13	3	2	1	19
W PALM BEACH FL	12	4	1	2	19
FT PIERCE FL	7	5	2	2	16
COCOA BEACH FL	3	5	2	3	13
DAYTONA BEACH FL	X	3	3	4	10
JACKSONVILLE FL	X	1	1	5	7
SAVANNAH GA	X	X	1	4	5
CHARLESTON SC	X	X	1	3	4
MYRTLE BEACH SC	X	X	X	3	3
WILMINGTON NC	X	X	X	3	3
MOREHEAD CITY NC	X	X	X	3	3
KEY WEST FL	2	5	3	3	13
MARCO ISLAND FL	3	5	3	3	14
FT MYERS FL	2	5	3	3	13
VENICE FL	1	3	3	4	11
TAMPA FL	X	3	3	4	10
CEDAR KEY FL	X	1	2	5	8
ST MARKS FL	X	X	1	4	5
APALACHICOLA FL	X	X	1	3	4
PANAMA CITY FL	X	X	X	3	3
GULF 29N 85W	X	X	1	4	5
GULF 29N 87W	X	X	X	3	3
GULF 28N 89W	X	X	X	2	2
GULF 28N 91W	X	X	X	1	1

X MEANS LESS THAN ONE PERCENT

NNNN

ADVISORY NUMBER 3 TROPICAL STORM ISIDORE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF ISIDORE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 8 AM EDT SAT SEP 29 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 8 AM THU	ADDITIONAL PROBABILITIES			TOTAL THRU 8 AM SAT
		8 AM THU THRU 8 PM THU	8 PM THU THRU 8 AM FRI	8 AM FRI THRU 8 AM SAT	
MARATHON FL	35	X	X	X	35
MIAMI FL	51	X	X	X	51
W PALM BEACH FL	36	X	X	1	37
FT PIERCE FL	22	1	X	1	24
COCOA BEACH FL	10	4	2	1	17
DAYTONA BEACH FL	2	6	3	3	14
JACKSONVILLE FL	X	3	4	4	11
SAVANNAH GA	X	X	3	5	8
CHARLESTON SC	X	X	2	4	6
MYRTLE BEACH SC	X	X	1	4	5
WILMINGTON NC	X	X	1	3	4
MOREHEAD CITY NC	X	X	X	3	3
CAPE HATTERAS NC	X	X	X	2	2
KEY WEST FL	27	1	X	X	28
MARCO ISLAND FL	35	X	1	X	36
FT MYERS FL	29	1	1	X	31
VENICE FL	20	2	1	1	24
TAMPA FL	9	6	2	1	18
CEDAR KEY FL	1	7	3	3	14
ST MARKS FL	X	2	4	5	11
APALACHICOLA FL	X	3	4	4	11
PANAMA CITY FL	X	2	3	5	10
PENSACOLA FL	X	X	2	5	7
MOBILE AL	X	X	1	5	6
GULFPORT MS	X	X	1	4	5
BURAS LA	X	X	1	5	6
NEW ORLEANS LA	X	X	1	4	5
NEW IBERIA LA	X	X	X	3	3
PORT ARTHUR TX	X	X	X	2	2
GULF 29N 85W	X	5	4	4	13
GULF 29N 87W	X	2	3	5	10
GULF 28N 89W	X	X	3	5	8
GULF 28N 91W	X	X	1	4	5
GULF 28N 93W	X	X	X	3	3
GULF 28N 95W	X	X	X	2	2
GULF 27N 96W	X	X	X	1	1
GULF 25N 96W	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 4 TROPICAL STORM ISIDORE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF ISIDORE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 PM EDT SAT SEP 29 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 PM THU	ADDITIONAL PROBABILITIES			TOTAL THRU 2 PM SAT
		2 PM THU THRU 2 AM FRI	2 AM FRI THRU 2 PM FRI	2 PM FRI THRU 2 PM SAT	
MARATHON FL	34	X	X	X	34
MIAMI FL	43	X	X	X	43
W PALM BEACH FL	29	1	X	X	30
FT PIERCE FL	16	2	1	1	20
COCOA BEACH FL	6	5	2	3	16
DAYTONA BEACH FL	1	4	4	4	13
JACKSONVILLE FL	X	1	4	5	10
SAVANNAH GA	X	X	2	5	7
CHARLESTON SC	X	X	1	5	6
MYRTLE BEACH SC	X	X	1	3	4
WILMINGTON NC	X	X	X	4	4
MOREHEAD CITY NC	X	X	X	3	3
CAPE HATTERAS NC	X	X	X	2	2
KEY WEST FL	27	X	1	X	28
MARCO ISLAND FL	28	1	1	X	30
FT MYERS FL	21	2	1	1	25
VENICE FL	12	4	2	1	19
TAMPA FL	4	6	3	3	16
CEDAR KEY FL	X	4	4	4	12
ST MARKS FL	X	1	3	5	9
APALACHICOLA FL	X	1	3	5	9
PANAMA CITY FL	X	1	2	5	8
PENSACOLA FL	X	X	1	5	6
MOBILE AL	X	X	1	3	4
GULFPORT MS	X	X	X	4	4
BURAS LA	X	X	1	4	5
NEW ORLEANS LA	X	X	X	3	3
NEW IBERIA LA	X	X	X	2	2
GULF 29N 85W	X	2	4	4	10
GULF 29N 87W	X	1	2	5	8
GULF 28N 89W	X	X	2	4	6
GULF 28N 91W	X	X	X	4	4
GULF 28N 93W	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 5 TROPICAL STORM ISIDORE PROBABILITIES
FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF ISIDORE PASSING WITHIN 65 MILES OF
LISTED LOCATIONS THROUGH 8 PM EDT SAT SEP 29 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 8 PM THU	ADDITIONAL PROBABILITIES			TOTAL THRU 8 PM SAT
		8 PM THU THRU 8 AM FRI	8 AM FRI THRU 8 PM FRI	8 PM FRI THRU 8 PM SAT	
MARATHON FL	29	1	X	X	30
MIAMI FL	63	X	X	X	63
W PALM BEACH FL	41	X	X	X	41
FT PIERCE FL	20	2	X	1	23
COCOA BEACH FL	11	3	2	2	18
DAYTONA BEACH FL	2	6	3	3	14
JACKSONVILLE FL	X	2	4	4	10
SAVANNAH GA	X	X	2	5	7
CHARLESTON SC	X	X	1	4	5
MYRTLE BEACH SC	X	X	1	3	4
WILMINGTON NC	X	X	X	3	3
MOREHEAD CITY NC	X	X	X	3	3
CAPE HATTERAS NC	X	X	X	2	2
KEY WEST FL	20	2	X	1	23
MARCO ISLAND FL	31	1	X	X	32
FT MYERS FL	25	2	X	1	28
VENICE FL	16	3	1	2	22
TAMPA FL	8	5	2	2	17
CEDAR KEY FL	1	5	4	3	13
ST MARKS FL	X	2	3	4	9
APALACHICOLA FL	X	2	3	4	9
PANAMA CITY FL	X	1	2	5	8
PENSACOLA FL	X	X	1	5	6
MOBILE AL	X	X	1	3	4
GULFPORT MS	X	X	X	4	4
BURAS LA	X	X	1	3	4
NEW ORLEANS LA	X	X	X	3	3
NEW IBERIA LA	X	X	X	2	2
GULF 29N 85W	X	3	3	5	11
GULF 29N 87W	X	1	2	5	8
GULF 28N 89W	X	X	2	4	6
GULF 28N 91W	X	X	X	4	4
GULF 28N 93W	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 6 TROPICAL STORM ISIDORE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF ISIDORE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 AM EDT SUN SEP 30 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 AM FRI	ADDITIONAL PROBABILITIES			TOTAL THRU 2 AM SUN
		2 AM FRI THRU 2 PM FRI	2 PM FRI THRU 2 AM SAT	2 AM SAT THRU 2 AM SUN	
MARATHON FL	11	1	1	1	14
MIAMI FL	73	X	X	X	73
W PALM BEACH FL	90	X	X	X	90
FT PIERCE FL	59	X	X	X	59
COCOA BEACH FL	36	X	X	X	36
DAYTONA BEACH FL	19	2	1	1	23
JACKSONVILLE FL	5	7	3	2	17
SAVANNAH GA	X	4	5	3	12
CHARLESTON SC	X	2	4	5	11
MYRTLE BEACH SC	X	1	3	5	9
WILMINGTON NC	X	X	2	6	8
MOREHEAD CITY NC	X	X	2	5	7
CAPE HATTERAS NC	X	X	1	5	6
NORFOLK VA	X	X	X	4	4
KEY WEST FL	6	2	2	1	11
MARCO ISLAND FL	40	X	X	X	40
FT MYERS FL	46	1	X	X	47
VENICE FL	37	X	X	1	38
TAMPA FL	33	1	X	X	34
CEDAR KEY FL	17	3	1	1	22
ST MARKS FL	3	6	3	2	14
APALACHICOLA FL	3	5	3	3	14
PANAMA CITY FL	1	5	3	3	12
PENSACOLA FL	X	1	3	4	8
MOBILE AL	X	X	2	4	6
GULFPORT MS	X	X	1	4	5
BURAS LA	X	X	1	4	5
NEW ORLEANS LA	X	X	1	3	4
GULF 29N 85W	5	5	3	2	15
GULF 29N 87W	X	3	3	4	10
GULF 28N 89W	X	X	2	4	6
GULF 28N 91W	X	X	X	3	3
GULF 28N 93W	X	X	X	2	2
GULF 28N 95W	X	X	X	1	1

X MEANS LESS THAN ONE PERCENT

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ADVISORY NUMBER 10 TROPICAL STORM ISIDORE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF ISIDORE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 8 PM EDT SUN SEP 30 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 8 PM FRI	ADDITIONAL PROBABILITIES			TOTAL THRU 8 PM SUN
		8 PM FRI THRU 8 AM SAT	8 AM SAT THRU 8 PM SAT	8 PM SAT THRU 8 PM SUN	
DAYTONA BEACH FL	36	X	X	X	36
JACKSONVILLE FL	15	1	1	1	18
SAVANNAH GA	2	3	3	4	12
CHARLESTON SC	X	2	3	5	10
MYRTLE BEACH SC	X	1	2	6	9
WILMINGTON NC	X	1	1	6	8
MOREHEAD CITY NC	X	X	1	6	7
CAPE HATTERAS NC	X	X	1	5	6
NORFOLK VA	X	X	1	6	7
OCEAN CITY MD	X	X	X	5	5
ATLANTIC CITY NJ	X	X	X	4	4
NEW YORK CITY NY	X	X	X	3	3
MONTAUK POINT NY	X	X	X	3	3
PROVIDENCE RI	X	X	X	2	2
NANTUCKET MA	X	X	X	2	2
HYANNIS MA	X	X	X	2	2
BOSTON MA	X	X	X	2	2
KEY WEST FL	X	1	X	1	2
MARCO ISLAND FL	10	X	X	1	11
FT MYERS FL	32	X	X	X	32
VENICE FL	65	X	X	X	65
TAMPA FL	94	X	X	X	94
CEDAR KEY FL	46	X	X	X	46
ST MARKS FL	28	X	1	X	29
APALACHICOLA FL	31	1	X	X	32
PANAMA CITY FL	24	1	1	1	27
PENSACOLA FL	8	7	4	1	20
MOBILE AL	2	9	5	1	17
GULFPORT MS	1	8	5	2	16
BURAS LA	1	7	5	1	14
NEW ORLEANS LA	X	5	6	2	13
NEW IBERIA LA	X	2	4	3	9
PORT ARTHUR TX	X	X	3	2	5
GALVESTON TX	X	X	2	2	4
FREEPORT TX	X	X	1	2	3
PORT O CONNOR TX	X	X	1	1	2
GULF 29N 85W	36	X	X	X	36
GULF 29N 87W	16	4	2	X	22
GULF 28N 89W	2	7	4	1	14
GULF 28N 91W	X	3	4	2	9
GULF 28N 93W	X	1	3	2	6
GULF 28N 95W	X	X	2	1	3
GULF 27N 96W	X	X	1	1	2

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 11 TROPICAL STORM ISIDORE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS
 CHANGES OF CENTER OF ISIDORE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 8 PM EDT SUN SEP 30 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 8 PM FRI	ADDITIONAL PROBABILITIES			TOTAL THRU 8 PM SUN
		8 PM FRI THRU 8 AM SAT	8 AM SAT THRU 8 PM SAT	8 PM SAT THRU 8 PM SUN	
DAYTONA BEACH FL	12	X	1	1	14
JACKSONVILLE FL	2	3	3	3	11
SAVANNAH GA	X	3	5	4	12
CHARLESTON SC	X	1	4	5	10
MYRTLE BEACH SC	X	1	2	6	9
WILMINGTON NC	X	X	2	7	9
MOREHEAD CITY NC	X	X	1	7	8
CAPE HATTERAS NC	X	X	1	6	7
NORFOLK VA	X	X	1	6	7
OCEAN CITY MD	X	X	X	6	6
ATLANTIC CITY NJ	X	X	X	5	5
NEW YORK CITY NY	X	X	X	4	4
MONTAUK POINT NY	X	X	X	3	3
FT MYERS FL	1	X	1	2	4
VENICE FL	31	X	X	X	31
TAMPA FL	95	X	X	X	95
CEDAR KEY FL	78	X	X	X	78
ST MARKS FL	35	X	X	1	36
APALACHICOLA FL	49	X	X	X	49
PANAMA CITY FL	41	X	X	X	41
PENSACOLA FL	27	1	1	X	29
MOBILE AL	15	4	1	1	21
GULFPORT MS	9	5	2	1	17
BURAS LA	5	6	2	1	14
NEW ORLEANS LA	2	6	3	1	12
NEW IBERIA LA	X	3	2	2	7
PORT ARTHUR TX	X	X	1	2	3
GALVESTON TX	X	X	1	2	2
GULF 29N 85W	62	X	X	X	62
GULF 29N 87W	33	X	X	X	33
GULF 28N 89W	5	5	2	1	13
GULF 28N 91W	X	3	3	1	7
GULF 28N 93W	X	1	1	1	3
GULF 28N 95W	X	X	X	2	2
GULF 27N 96W	X	X	X	1	1

X MEANS LESS THAN ONE PERCENT

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CHANCES OF CENTER OF ISIDORE PASSING WITHIN 65 MILES OF LISTED LOCATIONS THROUGH 2 AM EDT MON OCT 1 1984
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 AM SAT	ADDITIONAL PROBABILITIES			TOTAL THRU 2 AM MON
		2 AM SAT THRU 2 PM SAT	2 PM SAT THRU 2 AM SUN	2 AM SUN THRU 2 AM MON	
DAYTONA BEACH FL	67	X	X	X	67
JACKSONVILLE FL	63	X	X	X	63
SAVANNAH GA	35	1	X	X	36
CHARLESTON SC	25	1	1	X	27
MYRTLE BEACH SC	11	8	1	1	21
WILMINGTON NC	4	10	2	2	18
MOREHEAD CITY NC	2	9	3	2	16
CAPE HATTERAS NC	1	6	4	3	14
NORFOLK VA	X	4	4	4	12
OCEAN CITY MD	X	1	4	4	9
ATLANTIC CITY NJ	X	X	2	5	7
NEW YORK CITY NY	X	X	1	5	6
MONTAUK POINT NY	X	X	1	4	5
PROVIDENCE RI	X	X	X	4	4
NANTUCKET MA	X	X	1	4	5
HYANNIS MA	X	X	X	4	4
BOSTON MA	X	X	X	4	4
CEDAR KEY FL	72	X	X	X	72
ST MARKS FL	17	X	1	X	18
APALACHICOLA FL	3	1	1	2	7
PANAMA CITY FL	2	1	1	1	5
PENSACOLA FL	X	1	X	2	3
MOBILE AL	X	X	1	1	2
GULF 29N 85W	2	1	1	1	5
GULF 29N 87W	X	1	X	1	2
GULF 28N 89W	X	X	X	1	1
GULF 28N 91W	X	X	X	1	1

X MEANS LESS THAN ONE PERCENT

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ADVISORY NUMBER 13 TROPICAL STORM ISIDORE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS
 CHANCES OF CENTER OF ISIDORE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 8 AM EDT MON OCT 1 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

ADDITIONAL PROBABILITIES

COASTAL LOCATIONS	THRU 8 AM SAT	8 AM SAT		8 AM SUN		TOTAL THRU 8 AM MON
		THRU 8 PM SAT	THRU 8 AM SUN	THRU 8 AM MON	THRU 8 AM MON	
BERMUDA	X	X	1	3	4	
W PALM BEACH FL	X	1	X	1	2	
FT PIERCE FL	1	X	1	1	3	
COCOA BEACH FL	3	1	X	1	5	
DAYTONA BEACH FL	59	X	X	X	59	
JACKSONVILLE FL	90	X	X	X	90	
SAVANNAH GA	47	X	X	X	47	
CHARLESTON SC	36	1	X	X	37	
MYRTLE BEACH SC	26	1	X	X	27	
WILMINGTON NC	16	5	1	X	22	
MOREHEAD CITY NC	8	9		1	19	
CAPE HATTERAS NC	3	10	-	2	17	
NORFOLK VA	1	7	3	2	13	
OCEAN CITY MD	X	3	4	4	11	
ATLANTIC CITY NJ	X	1	3	5	9	
NEW YORK CITY NY	X	X	2	5	7	
MONTAUK POINT NY	X	X	2	5	7	
PROVIDENCE RI	X	X	1	5	6	
NANTUCKET MA	X	X	1	6	7	
HYANNIS MA	X	X	1	5	6	
BOSTON MA	X	X	1	4	5	
PORTLAND ME	X	X	X	4	4	
BAR HARBOR ME	X	X	X	3	3	
EASTPORT ME	X	X	X	3	3	
ST JOHN NB	X	X	X	3	3	
MONCTON NB	X	X		2	2	
YARMOUTH NS	X	X	X	4	4	
HALIFAX NS	X	X	X	3	3	
SABLE ISLAND NS	X	X	X	3	3	
SYDNEY NS	X	X	X	2	2	
EDDY POINT NS	X	X	X	2	2	
FT MYERS FL	X	1	X	1	2	
VENICE FL	X	1	X	1	2	
TAMPA FL	1	1	1	X	3	
CEDAR KEY FL	38	X	X	X	38	
ST MARKS FL	4	1	X	1	6	
APALACHICOLA FL	1	1	X	1	3	
PANAMA CITY FL	1	X	1	1	3	
PENSACOLA FL	X	1	X	1	2	
GULF 29N 85W	X	1	1	X		

X MEANS LESS THAN ONE PERCENT

**ADVISORY NUMBER 14 TROPICAL STORM ISIDORE PROBABILITIES
FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
BY GOVERNMENT AND DISASTER OFFICIALS**

**CHANCES OF CENTER OF ISIDORE PASSING WITHIN 65 MILES OF
LISTED LOCATIONS THROUGH 2 PM EDT MON OCT 1 1984**

CHANGES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 PM SAT	ADDITIONAL PROBABILITIES			TOTAL THRU 2 PM MON
		2 PM SAT THRU 2 AM SUN	2 AM SUN THRU 2 PM SUN	2 PM SUN THRU 2 PM MON	
BERMUDA	X	X	X	4	4
JACKSONVILLE FL	97	X	X	X	97
SAVANNAH GA	59	X	X	X	59
CHARLESTON SC	48	X	X	X	48
MYRTLE BEACH SC	39	X	X	X	39
WILMINGTON NC	31	1	X	X	32
MOREHEAD CITY NC	21	3	1	X	25
CAPE HATTERAS NC	9	9	1	1	20
NORFOLK VA	3	10	2	1	16
OCEAN CITY MD	1	5	4	2	12
ATLANTIC CITY NJ	X	3	4	3	10
NEW YORK CITY NY	X	1	3	4	8
MONTAUK POINT NY	X	1	2	5	8
PROVIDENCE RI	X	X	2	5	7
NANTUCKET MA	X	X	3	5	8
HYANNIS MA	X	X	2	5	7
BOSTON MA	X	X	1	5	6
PORTLAND ME	X	X	1	3	4
BAR HARBOR ME	X	X	X	4	4
EASTPORT ME	X	X	X	3	3
ST JOHN NB	X	X	X	3	3
MONCTON NB	X	X	X	2	2
YARMOUTH NS	X	X	X	4	4
HALIFAX NS	X	X	X	4	4
SABLE ISLAND NS	X	X	X	3	3
SYDNEY NS	X	X	X	2	2
EDDY POINT NS	X	X	X	3	3

X MEANS LESS THAN ONE PERCENT

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ADVISORY NUMBER 16 TROPICAL STORM ISIDORE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF ISIDORE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 AM EDT TUE OCT 2 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 AM SUN	ADDITIONAL PROBABILITIES			TOTAL THRU 2 AM TUE
		2 AM SUN THRU 2 PM SUN	2 PM SUN THRU 2 AM MON	2 AM MON THRU 2 AM TUE	
CHARLESTON SC	47	X	X	X	47
MYRTLE BEACH SC	35	X	X	X	35
WILMINGTON NC	30	X	X	X	30
MOREHEAD CITY NC	27	1	X	X	28
CAPE HATTERAS NC	18	4	1	X	23
NORFOLK VA	4	7	1	1	13
OCEAN CITY MD	1	5	2	2	10
ATLANTIC CITY NJ	X	2	3	2	7
NEW YORK CITY NY	X	1	2	2	5
MONTAUK POINT NY	X	1	2	3	6
PROVIDENCE RI	X	X	2	3	5
NANTUCKET MA	X	1	2	4	7
HYANNIS MA	X	X	3	3	6
BOSTON MA	X	X	2	2	4
PORTLAND ME	X	X	1	2	3
BAR HARBOR ME	X	X	X	3	3
EASTPORT ME	X	X	X	3	3
ST JOHN NB	X	X	X	2	2
MONCTON NB	X	X	X	2	2
YARMOUTH NS	X	X	1	3	4
HALIFAX NS	X	X	X	4	4
SABLE ISLAND NS	X	X	X	5	5
SYDNEY NS	X	X	X	3	3
EDDY POINT NS	X	X	X	3	3
BURGEO NFLD	X	X	X	2	2
ILE ST PIERRE	X	X	X	2	2
CAPE RACE NFLD	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

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ADVISORY NUMBER 15 TROPICAL STORM ISIDORE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF ISIDORE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 8 PM EDT MON OCT 1 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 8 PM SAT	ADDITIONAL PROBABILITIES			TOTAL THRU 8 PM MON
		8 PM SAT	8 AM SUN	8 PM SUN	
		THRU 8 AM SUN	THRU 8 PM SUN	THRU 8 PM MON	
BERMUDA	X	X	1	4	5
SAVANNAH GA	49	X	X	1	50
CHARLESTON SC	46	X	X	X	46
MYRTLE BEACH SC	39	X	X	X	39
WILMINGTON NC	34	X	X	X	34
MOREHEAD CITY NC	27	2	X	X	29
CAPE HATTERAS NC	14	9	X	X	23
NORFOLK VA	3	11	1	1	16
OCEAN CITY MD	1	6	4	1	12
ATLANTIC CITY NJ	X	3	4	2	9
NEW YORK CITY NY	X	1	4	2	7
MONTAUK POINT NY	X	1	3	3	7
PROVIDENCE RI	X	X	3	3	6
NANTUCKET MA	X	1	3	4	8
HYANNIS MA	X	X	3	4	7
BOSTON MA	X	X	2	3	5
PORTLAND ME	X	X	1	3	4
BAR HARBOR ME	X	X	1	3	4
EASTPORT ME	X	X	X	3	3
ST JOHN NB	X	X	X	3	3
MONCTON NB	X	X	X	3	3
YARMOUTH NS	X	X	1	4	5
HALIFAX NS	X	X	1	4	5
SABLE ISLAND NS	X	X	X	6	6
SYDNEY NS	X	X	X	3	3
EDDY POINT NS	X	X	X	4	4
PTX BASQUES NFLD	X	X	X	2	2
BURGED NFLD	X	X	X	2	2
ILE ST PIERRE	X	X	X	2	2
CAPE RACE NFLD	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

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ADVISORY NUMBER 17 TROPICAL STORM ISIDORE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF ISIDORE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 12 PM TUE OCT 2 1984

CHANCES EXPRESSED IN PER CENT...TIMES

COASTAL LOCATIONS	ADDITIONAL PROBABILITIES				TOTAL THRU 12 PM TUE
	THRU 12 PM SUN	12 PM SUN THRU 12 AM MON	12 AM MON THRU 12 PM MON	12 PM MON THRU 12 PM TUE	
BERMUDA	X	2	1	X	3
MYRTLE BEACH SC	4	1	X	X	5
WILMINGTON NC	7	X	X	1	8
MOREHEAD CITY NC	13	1	X	X	14
CAPE HATTERAS NC	16	1	X	X	17
NORFOLK VA	2	2	1	1	6
OCEAN CITY MD	1	3	2	1	7
ATLANTIC CITY NJ	X	2	3	2	7
NEW YORK CITY NY	X	1	4	1	6
MONTAUK POINT NY	X	2	4	3	9
PROVIDENCE RI	X	1	5	2	8
NANTUCKET MA	X	2	6	2	10
HYANNIS MA	X	2	5	2	9
BOSTON MA	X	1	4	3	8
PORTLAND ME	X	X	3	3	6
BAR HARBOR ME	X	X	3	4	7
EASTPORT ME	X	X	2	5	7
ST JOHN NB	X	X	2	5	7
MONCTON NB	X	X	1	6	7
YARMOUTH NS	X	X	4	5	9
HALIFAX NS	X	X	3	6	9
SABLE ISLAND NS	X	X	3	7	10
SYDNEY NS	X	X	1	7	8
EDDY POINT NS	X	X	2	7	9
PTX BASQUES NFLD	X	X	1	6	7
BURGEO NFLD	X	X	1	6	7
ILE ST PIERRE	X	X	1	7	8
CAPE RACE NFLD	X	X	X	7	7
HIBERNIA OILFLD	X	X	X	5	5

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 18 TROPICAL STORM ISIDORE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS
 CHANGES OF CENTER OF ISIDORE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 PM EDT TUE OCT 2 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 PM SUN	ADDITIONAL PROBABILITIES			TOTAL THRU 2 PM TUE
		2 PM SUN THRU 2 AM MON	2 AM MON THRU 2 PM MON	2 PM MON THRU 2 PM TUE	
MOREHEAD CITY NC	60	X	X	X	60
CAPE HATTERAS NC	70	X	X	X	70
NORFOLK VA	16	1	1	1	19
OCEAN CITY MD	15	2	1	1	19
ATLANTIC CITY NJ	7	5	2	1	15
NEW YORK CITY NY	2	7	3	2	14
MONTAUK POINT NY	2	7	3	3	15
PROVIDENCE RI	1	6	3	4	14
NANTUCKET MA	1	8	3	2	14
HYANNIS MA	1	6	4	3	14
BOSTON MA	X	5	4	3	12
PORTLAND ME	X	2	4	4	10
BAR HARBOR ME	X	1	3	6	10
EASTPORT ME	X	1	2	6	9
ST JOHN NB	X	X	2	6	8
MONCTON NB	X	X	2	5	7
YARMOUTH NS	X	1	4	5	10
HALIFAX NS	X	1	2	5	8
SABLE ISLAND NS	X	X	1	5	6
SYDNEY NS	X	X	1	4	5
EDDY POINT NS	X	X	1	5	6
PTX BASQUES NFLD	X	X	X	4	4
BURGEO NFLD	X	X	X	4	4
ILE ST PIERRE	X	X	X	4	4
CAPE RACE NFLD	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

NNNN

ADVISORY NUMBER 19 TROPICAL STORM ISIDORE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF ISIDORE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 8 PM EDT TUE OCT 2 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT
 ADDITIONAL PROBABILITIES

COASTAL LOCATIONS	THRU 8 PM SUN	8 PM SUN 8 AM MON 8 PM MON 8 PM TUE			TOTAL THRU 8 PM TUE
		THRU 8 AM MON	THRU 8 PM MON	THRU 8 PM TUE	
CAPE HATTERAS NC	52	X	X	X	52
NORFOLK VA	6	2	X	X	8
OCEAN CITY MD	11	2	1	X	14
ATLANTIC CITY NJ	7	4	1	X	12
NEW YORK CITY NY	3	6	2	X	11
MONTAUK POINT NY	3	9	2	X	14
PROVIDENCE RI	1	9	2	X	12
NANTUCKET MA	2	11	2	X	15
HYANNIS MA	1	10	3	X	14
BOSTON MA	1	6	4	X	11
PORTLAND ME	X	3	5	X	8
BAR HARBOR ME	X	2	6	X	8
EASTPORT ME	X	1	6	X	7
ST JOHN NB	X	1	5	X	6
MONCTON NB	X	X	4	X	4
YARMOUTH NS	X	3	6	X	9
HALIFAX NS	X	1	5	X	6
SABLE ISLAND NS	X	1	2	X	3
SYDNEY NS	X	X	2	X	2
EDDY POINT NS	X	X	3	X	3

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 20 TROPICAL STORM ISIDORE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF ISIDORE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 AM EDT WED OCT 3 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 AM MON	ADDITIONAL PROBABILITIES			TOTAL THRU 2 AM WED
		2 AM MON THRU 2 PM MON	2 PM MON THRU 2 AM TUE	2 AM TUE THRU 2 AM WED	
BERMUDA	1	2	X	X	3
CAPE HATTERAS NC	1	1	1	X	3
NORFOLK VA	X	1	1	X	2
OCEAN CITY MD	X	1	1	X	2
ATLANTIC CITY NJ	X	1	1	X	2
NEW YORK CITY NY	X	1	1	X	2
MONTAUK POINT NY	X	1	3	X	4
PROVIDENCE RI	X	1	3	X	4
NANTUCKET MA	X	2	5	X	7
HYANNIS MA	X	2	4	X	6
BOSTON MA	X	1	3	X	4
PORTLAND ME	X	X	3	X	3
BAR HARBOR ME	X	X	3	X	3
EASTPORT ME	X	X	3	X	3
ST JOHN NB	X	X	3	X	3
MONCTON NB	X	X	2	X	2
YARMOUTH NS	X	1	5	X	6
HALIFAX NS	X	X	5	X	5
SABLE ISLAND NS	X	1	4	X	5
SYDNEY NS	X	X	2	X	2
EDDY POINT NS	X	X	3	X	3

X MEANS LESS THAN ONE PERCENT

NNNN

NUMBER 7 TROPICAL STORM JOSEPHINE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 8 AM EDT FRI OCT 12 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT
 ADDITIONAL PROBABILITIES

COASTAL LOCATIONS	ADDITIONAL PROBABILITIES					TOTAL THRU 8 AM FRI
	THRU 8 AM WED	8 AM WED THRU 8 PM WED	8 PM WED THRU 8 AM THU	8 AM THU THRU 8 AM FRI	8 AM FRI	
BERMUDA	X	X	1	4		5
MARATHON FL	X	X	1	4		5
MIAMI FL	X	1	1	5		7
W PALM BEACH FL	X	1	2	4		7
FT PIERCE FL	X	1	1	5		7
COCOA BEACH FL	X	X	2	4		6
DAYTONA BEACH FL	X	X	1	4		5
JACKSONVILLE FL	X	X	1	3		4
SAVANNAH GA	X	X	X	3		3
CHARLESTON SC	X	X	X	3		3
MYRTLE BEACH SC	X	X	X	3		3
WILMINGTON NC	X	X	X	3		3
MOREHEAD CITY NC	X	X	X	4		4
CAPE HATTERAS NC	X	X	X	3		3
27N 73W	45	2		1		47

X MEANS LESS THAN ONE PERCENT

FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
LISTED LOCATIONS THROUGH 8 AM EDT FRI OCT 12 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 8 AM WED	8 AM WED THRU 8 PM WED	8 PM WED THRU 8 AM THU	8 AM THU THRU 8 AM FRI	TOTAL THRU 8 AM FRI
28.5N 72.0W	45	2	X	X	47
BERMUDA	X	1	3	4	8
MIAMI FL	X	X	1	4	5
W PALM BEACH FL	X	X	2	3	5
FT PIERCE FL	X	X	1	4	5
COCOA BEACH FL	X	X	1	4	5
DAYTONA BEACH FL	X	X	1	4	5
JACKSONVILLE FL	X	X	1	3	4
SAVANNAH GA	X	X	X	3	3
CHARLESTON SC	X	X	1	3	4
MYRTLE BEACH SC	X	X	1	3	4
WILMINGTON NC	X	X	1	3	4
MOREHEAD CITY NC	X	X	1	4	5
CAPE HATTERAS NC	X	X	1	4	5

X MEANS LESS THAN ONE PERCENT

FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
LISTED LOCATIONS THROUGH 2 PM EDT FRI OCT 12 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 PM WED	ADDITIONAL PROBABILITIES			TOTAL THRU 2 PM FRI
		2 AM THU	2 PM THU	2 PM FRI	
29.0N 73.0W	45	2	X	X	47
BERMUDA	X	1	1	4	6
MARATHON FL	X	X	1	3	4
MIAMI FL	X	1	1	3	5
W PALM BEACH FL	X	1	1	4	6
FT PIERCE FL	X	1	1	5	7
COCOA BEACH FL	X	1	1	4	6
DAYTONA BEACH FL	X	X	2	4	6
JACKSONVILLE FL	X	X	1	3	4
SAVANNAH GA	X	X	1	3	4
CHARLESTON SC	X	X	1	4	5
MYRTLE BEACH SC	X	X	1	4	5
WILMINGTON NC	X	X	2	3	5
MOREHEAD CITY NC	X	X	2	4	6
CAPE HATTERAS NC	X	X	2	3	5
NORFOLK VA	X	X	X	3	3

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 10 HURRICANE JOSEPHINE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 8 PM EDT FRI OCT 12 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT
 ADDITIONAL PROBABILITIES

COASTAL LOCATIONS	ADDITIONAL PROBABILITIES				TOTAL THRU 8 PM FRI
	THRU 8 PM WED	8 PM WED THRU 8 AM THU	8 AM THU THRU 8 PM THU	8 PM THU THRU 8 PM FRI	
29. 0N 73. 0W	45	2	X	X	47
BERMUDA	X	1	1	4	6
MIAMI FL	X	1	1	3	5
W PALM BEACH FL	X	1	2	3	6
FT PIERCE FL	X	1	2	4	7
COCOA BEACH FL	X	1	1	5	7
DAYTONA BEACH FL	X	X	2	4	6
JACKSONVILLE FL	X	X	1	4	5
SAVANNAH GA	X	X	1	4	5
CHARLESTON SC	X	X	1	4	5
MYRTLE BEACH SC	X	X	2	4	6
WILMINGTON NC	X	X	2	4	6
MOREHEAD CITY NC	X	X	2	4	6
CAPE HATTERAS NC	X	X	2	4	6
NORFOLK VA	X	X	X	3	3

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 11 HURRICANE JOSEPHINE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 AM EDT SAT OCT 13 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 AM THU	ADDITIONAL PROBABILITIES			TOTAL THRU 2 AM SAT
		2 AM THU THRU 2 PM THU	2 PM THU THRU 2 AM FRI	2 AM FRI THRU 2 AM SAT	
29.5N 73.5W	45	2	X	X	47
BERMUDA	X	1	1	3	5
MARATHON FL	X	X	1	2	3
MIAMI FL	X	1	1	3	5
W PALM BEACH FL	X	1	2	3	6
FT PIERCE FL	X	1	2	4	7
COCOA BEACH FL	X	1	2	4	7
DAYTONA BEACH FL	X	1	2	4	7
JACKSONVILLE FL	X	X	2	4	6
SAVANNAH GA	X	X	2	4	6
CHARLESTON SC	X	1	2	4	7
MYRTLE BEACH SC	X	1	2	5	8
WILMINGTON NC	X	1	2	5	8
MOREHEAD CITY NC	X	1	3	5	9
CAPE HATTERAS NC	X	1	3	5	9
NORFOLK VA	X	X	1	4	5
OCEAN CITY MD	X	X	X	4	4
ATLANTIC CITY NJ	X	X	X	3	3
NEW YORK CITY NY	X	X	X	2	2
MONTAUK POINT NY	X	X	X	2	2
NANTUCKET MA	X	X	X	2	2
KEY WEST FL	X	X	1	2	3
MARCO ISLAND FL	X	X	1	3	4
FT MYERS FL	X	X	1	3	4
VENICE FL	X	X	1	3	4
TAMPA FL	X	X	1	4	5
CEDAR KEY FL	X	X	1	3	4
ST MARKS FL	X	X	X	3	3
APALACHICOLA FL	X	X	X	3	3
PANAMA CITY FL	X	X	X	2	2
GULF 29N 85W	X	X	X	3	3
GULF 29N 87W	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 12 HURRICANE JOSEPHINE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 8 AM EDT SAT OCT 13 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 8 AM THU	ADDITIONAL PROBABILITIES			TOTAL THRU 8 AM SAT
		8 AM THU THRU 8 PM THU	8 PM THU THRU 8 AM FRI	8 AM FRI THRU 8 AM SAT	
29.5N 73.5W	43	X	X	X	43
31.0N 74.0W	19	2	1	1	23
BERMUDA	X	1	1	3	5
MARATHON FL	X	X	1	2	3
MIAMI FL	X	1	1	3	5
W PALM BEACH FL	X	1	2	3	6
FT PIERCE FL	X	1	2	4	7
COCOA BEACH FL	X	1	2	4	7
DAYTONA BEACH FL	X	1	2	4	7
JACKSONVILLE FL	X	X	2	4	6
SAVANNAH GA	X	X	2	4	6
CHARLESTON SC	X	1	2	4	7
MYRTLE BEACH SC	X	1	2	4	7
WILMINGTON NC	X	1	2	5	8
MOREHEAD CITY NC	X	1	3	4	8
CAPE HATTERAS NC	X	1	3	4	8
NORFOLK VA	X	X	1	4	5
OCEAN CITY MD	X	X	X	3	3
ATLANTIC CITY NJ	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 13 HURRICANE JOSEPHINE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 PM EDT SAT OCT 13 1984

CHANGES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 PM THU	ADDITIONAL PROBABILITIES			TOTAL THRU 2 PM SAT
		2 PM THU THRU 2 AM FRI	2 AM FRI THRU 2 PM FRI	2 PM FRI THRU 2 PM SAT	
30.0N 73.2W	48	X	X	X	48
31.0N 74.0W	26	1	X	1	28
BERMUDA	X	X	1	4	5
MIAMI FL	X	1	1	3	5
W PALM BEACH FL	X	1	1	4	6
FT PIERCE FL	X	1	2	4	7
COCOA BEACH FL	X	1	2	4	7
DAYTONA BEACH FL	X	1	1	5	7
JACKSONVILLE FL	X	X	2	4	6
SAVANNAH GA	X	X	2	4	6
CHARLESTON SC	X	1	2	4	7
MYRTLE BEACH SC	X	1	2	5	8
WILMINGTON NC	X	1	3	4	8
MOREHEAD CITY NC	X	2	2	5	9
CAPE HATTERAS NC	X	1	3	4	8
NORFOLK VA	X	X	1	4	5
OCEAN CITY MD	X	X	X	3	3
ATLANTIC CITY NJ	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 14 HURRICANE JOSEPHINE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 8 PM EDT SAT OCT 13 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT
 ADDITIONAL PROBABILITIES

COASTAL LOCATIONS	THRU 8 PM THU	8 PM THU THRU 8 AM FRI	8 AM FRI THRU 8 PM FRI	8 PM FRI THRU 8 PM SAT	TOTAL THRU 8 PM SAT
31.0N 72.3W	41	X	X	X	41
32.0N 72.0W	25	1	X	1	27
BERMUDA	X	1	2	5	8
MIAMI FL	X	X	1	2	3
W PALM BEACH FL	X	X	1	3	4
FT PIERCE FL	X	X	1	3	4
COCOA BEACH FL	X	X	1	3	4
DAYTONA BEACH FL	X	X	1	3	4
JACKSONVILLE FL	X	X	1	3	4
SAVANNAH GA	X	X	1	3	4
CHARLESTON SC	X	X	1	4	5
MYRTLE BEACH SC	X	1	1	4	6
WILMINGTON NC	X	1	2	4	7
MOREHEAD CITY NC	X	2	2	4	8
CAPE HATTERAS NC	X	2	2	4	8
NORFOLK VA	X	X	1	4	5
OCEAN CITY MD	X	X	1	3	4
ATLANTIC CITY NJ	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF LISTED LOCATIONS THROUGH 2 AM EDT SUN OCT 14 1984

CHANGES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 AM FRI	ADDITIONAL PROBABILITIES			TOTAL THRU 2 AM SUN
		2 AM FRI THRU 2 PM FRI	2 PM FRI THRU 2 AM SAT	2 AM SAT THRU 2 AM SUN	
30.5N 72.5W	53	X	X	X	53
32.0N 72.0W	19	2	X	1	22
BERMUDA	X	1	3	4	8
MARATHON FL	X	X	X	2	2
MIAMI FL	X	X	1	2	3
W PALM BEACH FL	X	X	1	3	4
FT PIERCE FL	X	1	X	3	4
COCOA BEACH FL	X	1	X	3	4
DAYTONA BEACH FL	X	X	1	3	4
JACKSONVILLE FL	X	X	1	3	4
SAVANNAH GA	X	X	1	3	4
CHARLESTON SC	X	X	1	4	5
MYRTLE BEACH SC	X	1	1	4	6
WILMINGTON NC	X	1	2	4	7
MOREHEAD CITY NC	X	1	3	4	8
CAPE HATTERAS NC	X	1	3	4	8
NORFOLK VA	X	X	1	4	5
OCEAN CITY MD	X	X	1	3	4
ATLANTIC CITY NJ	X	X	X	3	3
NEW YORK CITY NY	X	X	X	2	2
MONTAUK POINT NY	X	X	X	2	2
PROVIDENCE RI	X	X	X	2	2
NANTUCKET MA	X	X	X	2	2
HYANNIS MA	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 16 HURRICANE JOSEPHINE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 8 AM EDT SUN OCT 14 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 8 AM FRI	ADDITIONAL PROBABILITIES			TOTAL THRU 8 AM SUN
		8 AM FRI THRU 8 PM FRI	8 PM FRI THRU 8 AM SAT	8 AM SAT THRU 8 AM SUN	
31.5N 72.0W	41	X	X	X	41
33.0N 71.0W	17	3	1	1	22
BERMUDA	X	2	3	4	9
JACKSONVILLE FL	X	X	1	2	3
SAVANNAH GA	X	X	1	3	4
CHARLESTON SC	X	X	1	4	5
MYRTLE BEACH SC	X	1	1	4	6
WILMINGTON NC	X	1	2	4	7
MOREHEAD CITY NC	X	2	2	4	8
CAPE HATTERAS NC	X	2	3	4	9
NORFOLK VA	X	X	2	4	6
OCEAN CITY MD	X	X	1	4	5
ATLANTIC CITY NJ	X	X	X	3	3
NEW YORK CITY NY	X	X	X	2	2
MONTAUK POINT NY	X	X	X	3	3
PROVIDENCE RI	X	X	X	2	2
NANTUCKET MA	X	X	X	3	3
HYANNIS MA	X	X	X	2	2
BOSTON MA	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 17 HURRICANE JOSEPHINE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 PM EDT SUN OCT 14 1984
 CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 PM FRI	ADDITIONAL PROBABILITIES				TOTAL THRU 2 PM SUN
		2 PM FRI THRU 2 AM SAT	2 AM SAT THRU PM SAT	2 PM SAT THRU 2 PM SUN		
33.0N 72.0W	44	X	1	X	45	
34.0N 72.0W	25	1	X	1	27	
BERMUDA	X	1	2	3	6	
JACKSONVILLE FL	X	X	1	3	4	
SAVANNAH GA	X	X	1	4	5	
CHARLESTON SC	X	1	1	4	6	
MYRTLE BEACH SC	X	1	2	4	7	
WILMINGTON NC	X	2	3	4	9	
MOREHEAD CITY NC	1	3	3	4	11	
CAPE HATTERAS NC	2	4	3	3	12	
NORFOLK VA	X	2	2	4	8	
OCEAN CITY MD	X	1	2	4	7	
ATLANTIC CITY NJ	X	X	1	5	6	
NEW YORK CITY NY	X	X	1	3	4	
MONTAUK POINT NY	X	X	1	3	4	
PROVIDENCE RI	X	X	X	4	4	
NANTUCKET MA	X	X	1	3	4	
HYANNIS MA	X	X	1	3	4	
BOSTON MA	X	X	X	3	3	
PORTLAND ME	X	X	X	2	2	

X MEANS LESS THAN ONE PERCENT

FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
LISTED LOCATIONS THROUGH 8 PM EDT SUN OCT 14 1984
CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 8 PM FRI	ADDITIONAL PROBABILITIES			TOTAL THRU 8 PM SUN
		8 PM FRI THRU 8 AM SAT	8 AM SAT THRU 8 PM SAT	8 PM SAT THRU 8 PM SUN	
34.0N 70.0W	39	X	X	X	39
36.0N 68.0W	8	7	2	1	18
BERMUDA	1	3	2	3	9
CHARLESTON SC	X	X	1	1	2
MYRTLE BEACH SC	X	X	1	2	3
WILMINGTON NC	X	1	X	3	4
MOREHEAD CITY NC	X	1	2	2	5
CAPE HATTERAS NC	1	1	2	3	7
NORFOLK VA	X	1	1	3	5
OCEAN CITY MD	X	1	1	3	5
1-5)--.58: 86 .R	/		1	3	4
NEW YORK CITY NY	X	X	1	3	4
MONTAUK POINT NY	X	X	1	3	4
PROVIDENCE RI	X	X	1	3	4
NANTUCKET MA	X	X	2	3	5
HYANNIS MA	X	X	1	4	5
BOSTON MA	X	X	1	2	3
PORTLAND ME	X	X	X	2	2
BAR HARBOR ME	X	X	X	2	2
EASTPORT ME	X	X	X	2	2
ST JOHN NB	X	X	X	2	2
YARMOUTH NS	X	X	X	3	3
HALIFAX NS	X	X	X	3	3
SABLE ISLAND NS	X	X	X	4	4

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 19 HURRICANE JOSEPHINE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 AM EDT MON OCT 15 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 AM SAT	ADDITIONAL PROBABILITIES			TOTAL THRU 2 AM MON
		2 AM SAT THRU	2 PM SAT THRU	2 AM SUN THRU	
35.0N 70.0W	37	X	X	X	37
35.5N 68.0W	18	2	1	1	22
BERMUDA	1	1	3	4	9
SAVANNAH GA	X	X	X	2	2
CHARLESTON SC	X	X	1	1	2
MYRTLE BEACH SC	X	X	1	2	3
WILMINGTON NC	X	1	1	2	4
MOREHEAD CITY NC	X	1	2	2	5
CAPE HATTERAS NC	1	2	1	3	7
NORFOLK VA	X	1	1	3	5
OCEAN CITY MD	X	1	1	3	5
ATLANTIC CITY NJ	X	1	1	2	4
NEW YORK CITY NY	X	X	1	2	3
MONTAUK POINT NY	X	X	1	3	4
PROVIDENCE RI	X	X	1	2	3
NANTUCKET MA	X	X	2	2	4
HYANNIS MA	X	X	1	3	4
BOSTON MA	X	X	1	1	2
YARMOUTH NS	X	X	X	2	2
HALIFAX NS	X	X	X	2	2
SABLE ISLAND NS	X	X	X	3	3

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 20 HURRICANE JOSEPHINE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANGES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 8 AM EDT MON OCT 15 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 8 AM SAT	ADDITIONAL PROBABILITIES			TOTAL THRU 8 AM MON
		8 AM SAT THRU 8 PM SAT	8 PM SAT THRU 8 AM SUN	8 AM SUN THRU 8 AM MON	
35.0N 71.5W	43	X	X	X	43
35.5N 71.0W	31	1	X	X	32
BERMUDA	X	1	1	4	6
SAVANNAH GA	X	X	1	2	3
CHARLESTON SC	X	1	1	2	4
MYRTLE BEACH SC	X	1	2	3	6
WILMINGTON NC	X	2	2	3	7
MOREHEAD CITY NC	1	3	3	3	10
CAPE HATTERAS NC	4	4	2	2	12
NORFOLK VA	1	3	2	3	9
OCEAN CITY MD	X	3	3	2	8
ATLANTIC CITY NJ	X	1	3	2	6
NEW YORK CITY NY	X	1	1	3	5
MONTAUK POINT NY	X	1	1	3	5
PROVIDENCE RI	X	X	1	3	4
NANTUCKET MA	X	1	1	4	6
HYANNIS MA	X	X	2	3	5
BOSTON MA	X	X	1	3	4
PORTLAND ME	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 21 HURRICANE JOSEPHINE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 PM EDT MON OCT 15 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	ADDITIONAL PROBABILITIES				TOTAL THRU 2 PM MON
	THRU 2 PM SAT	2 PM SAT THRU 2 AM SUN	2 AM SUN THRU 2 PM SUN	2 PM SUN THRU 2 PM MON	
35.5N 70.5W	40	X	X	X	40
36.0N 69.0W	23	1	X	1	25
BERMUDA	X	1	2	5	8
CHARLESTON SC	X	X	1	2	3
MYRTLE BEACH SC	X	1	X	3	4
WILMINGTON NC	X	1	1	3	5
MOREHEAD CITY NC	1	1	2	3	7
CAPE HATTERAS NC	2	2	3	2	9
NORFOLK VA	1	1	2	3	7
OCEAN CITY MD	X	2	2	3	7
ATLANTIC CITY NJ	X	1	2	3	6
NEW YORK CITY NY	X	1	1	3	5
MONTAUK POINT NY	X	1	1	3	5
PROVIDENCE RI	X	X	2	3	5
NANTUCKET MA	X	1	2	3	6
HYANNIS MA	X	1	1	3	5
BOSTON MA	X	X	1	3	4
PORTLAND ME	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
LISTED LOCATIONS THROUGH 8 PM EDT MON OCT 15 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT
ADDITIONAL PROBABILITIES

COASTAL LOCATIONS	THRU 8 PM SAT	ADDITIONAL PROBABILITIES			TOTAL THRU 8 PM MON
		8 PM SAT THRU 8 AM SUN	8 AM SUN THRU 8 PM SUN	8 PM SUN THRU 8 PM MON	
36.2N 70.0W	41	X	X	X	41
37.0N 68.0W	16	3	1	1	21
BERMUDA	X	1	2	4	7
CHARLESTON SC	X	X	1	1	2
MYRTLE BEACH SC	X	X	1	2	3
WILMINGTON NC	X	1	1	2	4
MOREHEAD CITY NC	1	1	1	3	6
CAPE HATTERAS NC	1	2	2	3	8
NORFOLK VA	1	1	1	3	6
OCEAN CITY MD	1	1	1	3	6
ATLANTIC CITY NJ	X	2	1	3	6
NEW YORK CITY NY	X	1	2	2	5
MONTAUK POINT NY	X	1	2	3	6
PROVIDENCE RI	X	1	2	3	6
NANTUCKET MA	X	2	2	4	8
HYANNIS MA	X	1	2	4	7
BOSTON MA	X	X	2	3	5
PORTLAND ME	X	X	1	2	3
BAR HARBOR ME	X	X	1	2	3
EASTPORT ME	X	X	X	3	3
ST JOHNS NB	X	X	X	2	2
MONCTON NB	X	X	X	2	2
YARMOUTH NS	X	X	1	3	4
HALIFAX NS	X	X	1	3	4
SABLE ISLAND NS	X	X	1	3	4
SYDNEY NS	X	X	X	2	2
EDDY POINT NS	X	X	X	3	3

X MEANS LESS THAN ONE PERCENT

FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
LISTED LOCATIONS THROUGH 2 AM EDT TUE OCT 16 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 AM SUN	ADDITIONAL PROBABILITIES			TOTAL THRU 2 AM TUE
		2 AM SUN THRU 2 PM SUN	2 PM SUN THRU 2 AM MON	2 AM MON THRU 2 AM TUE	
37.0N 70.0W	39	X	X	X	39
37.5N 69.0W	26	X	1	X	27
BERMUDA	X	X	2	3	5
SAVANNAH GA	X	X	X	2	2
CHARLESTON SC	X	X	1	2	3
MYRTLE BEACH SC	X	X	1	3	4
WILMINGTON NC	X	1	1	3	5
MOREHEAD CITY NC	X	1	2	4	7
CAPE HATTERAS NC	1	2	2	4	9
NORFOLK VA	1	1	2	4	8
OCEAN CITY MD	1	3	2	3	9
ATLANTIC CITY NJ	1	2	2	3	8
NEW YORK CITY NY	X	2	2	3	7
MONTAUK POINT NY	X	3	2	4	9
PROVIDENCE RI	X	2	2	4	8
NANTUCKET MA	X	4	3	3	10
HYANNIS MA	X	3	2	4	9
BOSTON MA	X	1	2	3	6
PORTLAND ME	X	X	1	3	4
BAR HARBOR ME	X	X	1	3	4
EASTPORT ME	X	X	1	2	3
ST JOHN NB	X	X	1	2	3
MONCTON NB	X	X	X	2	2
YARMOUTH NS	X	X	2	3	5
HALIFAX NS	X	X	1	3	4
SABLE ISLAND NS	X	X	1	3	4
SYDNEY NS	X	X	X	2	2
EDDY POINT NS	X	X	X	3	3

X MEANS LESS THAN ONE PERCENT

FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
LISTED LOCATIONS THROUGH 8 AM EDT TUE OCT 16 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 8 AM SUN	ADDITIONAL PROBABILITIES			TOTAL THRU 8 AM TUE
		8 AM SUN THRU 8 PM SUN	8 PM SUN THRU 8 AM MON	8 AM MON THRU 8 AM TUE	
37.5N 70.5W	42	X	X	X	42
38.0N 69.0W	23	1	X	1	25
BERMUDA	X	X	1	3	4
MOREHEAD CITY NC	X	2	1	3	6
CAPE HATTERAS NC	1	2	3	3	9
NORFOLK VA-	1	2	2	3	8
OCEAN CITY MD	3	3	2	2	10
ATLANTIC CITY NJ	2	3	2	2	9
NEW YORK CITY NY	1	3	2	3	9
MONTAUK POINT NY	1	4	2	3	10
PROVIDENCE RI	X	3	3	3	9
NANTUCKET MA	1	5	3	2	11
HYANNIS MA	1	3	3	3	10
BOSTON MA	X	2	2	3	7
PORTLAND ME	X	1	1	3	5
BAR HARBOR ME	X	X	1	3	4
EASTPORT ME	X	X	1	3	4
ST JOHN NB	X	X	1	3	4
MONCTON NB	X	X	X	3	3
YARMOUTH NS	X	1	1	4	6
HALIFAX NS	X	X	1	4	5
SABLE ISLAND NS	X	X	1	4	5
SYDNEY NS	X	X	X	3	3
EDDY POINT NS	X	X	1	2	3

X MEANS LESS THAN ONE PERCENT

FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
LISTED LOCATIONS THROUGH 2 PM EDT TUE OCT 16 1984
CHANGES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 PM SUN	ADDITIONAL PROBABILITIES			TOTAL THRU 2 PM TUE
		2 PM SUN THRU 2 AM MON	2 AM MON THRU 2 PM MON	2 PM MON THRU 2 PM TUE	
38.0N 70.5W	38	1	X	X	39
38.5N 68.0W	14	4	1	1	20
BERMUDA	X	X	1	3	4
MOREHEAD CITY NC	X	1	2	2	5
CAPE HATTERAS NC	1	2	2	2	7
NORFOLK VA	1	2	2	2	7
OCEAN CITY MD	4	2	2	2	10
ATLANTIC CITY NJ	3	3	2	2	10
NEW YORK CITY NY	2	3	2	2	9
MONTAUK POINT NY	2	5	2	2	11
PROVIDENCE RI	1	4	2	3	10
NANTUCKET MA	2	6	2	2	12
HYANNIS MA	1	5	2	3	11
BOSTON MA	X	3	2	3	8
PORTLAND ME	X	1	2	2	5
BAR HARBOR ME	X	1	1	3	5
EASTPORT ME	X	X	2	3	5
ST JOHN NB	X	X	1	3	4
MONCTON NB	X	X	1	2	3
YARMOUTH NS	X	1	2	4	7
HALIFAX NS	X	X	2	4	6
SABLE ISLAND NS	X	X	2	4	6
SYDNEY NS	X	X	1	2	3
EDDY POINT NS	X	X	1	3	4
PTX BASQUES NFLD	X	X	X	2	2
BURGEO NFLD	X	X	X	2	2
ILE ST PIERRE	X	X	X	2	2
CAPE RACE NFLD	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 27 HURRICANE JOSEPHINE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS
 CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 8 PM EDT TUE OCT 16 1984
 CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 8 PM SUN	ADDITIONAL PROBABILITIES			TOTAL THRU 8 PM TUE
		8 PM SUN THRU 8 AM MON	8 AM MON THRU 8 PM MON	8 PM MON THRU 8 PM TUE	
38.5N 72.0W	41	1	X	X	42
39.5N 68.0W	5	8	3	1	17
BERMUDA	X	X	X	3	3
MOREHEAD CITY NC	1	1	1	2	5
CAPE HATTERAS NC	2	2	2	1	7
NORFOLK VA	3	3	1	2	9
OCEAN CITY MD	13	2	X	1	16
ATLANTIC CITY NJ	12	2	1	1	16
NEW YORK CITY NY	8	3	1	1	13
MONTAUK POINT NY	6	6	1	2	15
PROVIDENCE RI	3	6	2	2	13
NANTUCKET MA	4	7	3	1	15
HYANNIS MA	3	7	2	2	14
BOSTON MA	1	5	3	2	11
PORTLAND ME	X	2	3	3	8
BAR HARBOR ME	X	1	3	3	7
EASTPORT ME	X	1	2	4	7
ST JOHN NB	X	X	2	4	6
MONCTON NB	X	X	1	4	5
YARMOUTH NS	X	2	3	4	9
HALIFAX NS	X	1	2	5	8
SABLE ISLAND NS	X	X	2	5	7
SYDNEY NS	X	X	1	4	5
EDDY POINT NS	X	X	1	5	6
PTX BASQUES NFLD	X	X	X	3	3
BURGEO NFLD	X	X	X	3	3
ILE ST PIERRE	X	X	X	3	3
CAPE RACE NFLD	X	X	X	3	3

X MEANS LESS THAN ONE PERCENT

FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
LISTED LOCATIONS THROUGH 2 AM EDT WED OCT 17 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 AM MON	ADDITIONAL PROBABILITIES			TOTAL THRU 2 AM WED
		2 AM MON THRU 2 PM MON	2 PM MON THRU 2 AM TUE	2 AM TUE THRU 2 AM WED	
39.0N 71.5W	42	X	X	X	42
40.0N 69.0W	13	4	2	1	20
BERMUDA	X	X	X	2	2
MYRTLE BEACH SC	X	X	1	1	2
WILMINGTON NC	X	1	X	2	3
MOREHEAD CITY NC	X	1	1	3	5
CAPE HATTERAS NC	1	2	1	3	7
NORFOLK VA	2	2	2	2	8
OCEAN CITY MD	8	3	1	2	14
ATLANTIC CITY NJ	11	2	1	2	16
NEW YORK CITY NY	10	3	1	1	15
MONTAUK POINT NY	10	5	1	1	17
PROVIDENCE RI	5	6	2	2	15
NANTUCKET MA	8	6	2	1	17
HYANNIS MA	5	7	2	2	16
BOSTON MA	2	6	3	2	13
PORTLAND ME	X	3	4	2	9
BAR HARBOR ME	X	2	3	4	9
EASTPORT ME	X	1	3	4	8
ST JOHN NB	X	1	2	4	7
MONCTON NB	X	X	2	4	6
YARMOUTH NS	X	2	4	4	10
HALIFAX NS	X	1	2	5	8
SABLE ISLAND NS	X	X	2	5	7
SYDNEY NS	X	X	1	4	5
EDDY POINT NS	X	X	2	4	6
PTX BASQUES NFLD	X	X	X	3	3
BURGEO NFLD	X	X	X	3	3
ILE ST PIERRE	X	X	X	3	3
CAPE RACE NFLD	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
LISTED LOCATIONS THROUGH 8 AM EDT WED OCT 17 1984
CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 8 AM MON	ADDITIONAL PROBABILITIES			TOTAL THRU 8 AM WED
		8 AM MON THRU 8 PM MON	8 PM MON THRU 8 AM TUE	8 AM TUE THRU 8 AM WED	
38.5N 70.5W	38	X	1	X	39
38.0N 68.0W	16	2	2	1	21
BERMUDA	X	X	1	4	5
MYRTLE BEACH SC	X	X	1	2	3
WILMINGTON NC	X	1	X	3	4
MOREHEAD CITY NC	X	1	2	2	5
CAPE HATTERAS NC	1	2	2	2	7
NORFOLK VA	1	2	2	2	7
OCEAN CITY MD	4	3	1	2	10
ATLANTIC CITY NJ	5	3	1	1	10
NEW YORK CITY NY	4	3	1	1	9
MONTAUK POINT NY	5	4	1	1	11
PROVIDENCE RI	2	4	2	2	10
NANTUCKET MA	4	6	1	2	13
HYANNIS MA	2	5	2	2	11
BOSTON MA	1	3	2	2	8
PORTLAND ME	X	1	1	2	4
BAR HARBOR ME	X	1	1	2	4
EASTPORT ME	X	X	1	3	4
ST JOHN NB	X	X	1	2	3
MONCTON NB	X	X	1	1	2
YARMOUTH NS	X	1	2	3	6
HALIFAX NS	X	1	1	3	5
SABLE ISLAND NS	X	X	1	4	5
SYDNEY NS	X	X	X	2	2
EDDY POINT NS	X	X	1	2	3

X MEANS LESS THAN ONE PERCENT

FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 PM EDT WED OCT 17 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 PM MON	ADDITIONAL PROBABILITIES			TOTAL THRU 2 PM WED
		2 PM MON THRU 2 AM TUE	2 AM TUE THRU 2 PM TUE	2 PM TUE THRU 2 PM WED	
35.5N 69.0W	44	X	X	X	44
35.0N 67.0W	16	3	1	1	21
BERMUDA	1	3	4	3	11
CHARLESTON SC	X	X	1	1	2
MYRTLE BEACH SC	X	X	1	1	2
WILMINGTON NC	X	1	X	2	3
MOREHEAD CITY NC	X	1	1	2	4
CAPE HATTERAS NC	1	1	2	2	6
NORFOLK VA	X	1	1	2	4
OCEAN CITY MD	X	1	1	1	3
ATLANTIC CITY NJ	X	X	1	2	3
NEW YORK CITY NY	X	X	1	1	2
MONTAUK POINT NY	X	X	1	1	2
PROVIDENCE RI	X	X	1	1	2
NANTUCKET MA	X	X	1	2	3
HYANNIS MA	X	X	1	2	3
BOSTON MA	X	X	X	2	2
YARMOUTH NS	X	X	X	2	2
SABLE ISLAND NS	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

1984 OCT 31 37

HURRICANE JOSEPHINE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 8 PM EDT WED OCT 17 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 8 PM MON	ADDITIONAL PROBABILITIES			TOTAL THRU 8 PM WED
		8 PM MON THRU 8 AM TUE	8 AM TUE THRU 8 PM TUE	8 PM TUE THRU 8 PM WED	
37.0N 62.0W	30	X	1	X	31
40.0N 55.0W	1	6	6	2	15
BERMUDA	3	1	X	X	4
SABLE ISLAND NS	X	1	2	2	5
ILE ST PIERRE	X	X	1	2	3
CAPE RACE NFLD	X	X	1	5	6
HIBERNIA OILFLD	X	X	1	7	8

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 32 HURRICANE JOSEPHINE PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF JOSEPHINE PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 AM EDT THU OCT 18 1984

CHANCES EXPRESSED IN PER CENT...TIMES EDT

COASTAL LOCATIONS	THRU 2 AM TUE	ADDITIONAL PROBABILITIES			TOTAL THRU 2 AM THU
		2 AM TUE THRU 2 PM TUE	2 PM TUE THRU 2 AM WED	2 AM WED THRU 2 AM THU	
38.0N 59.0W	29	1	X	X	30
42.0N 51.0W	X	5	7	3	15
SABLE ISLAND NS	X	1	2	X	3
ILE ST PIERRE	X	X	1	2	3
CAPE RACE NFLD	X	X	2	4	6
HIBERNIA OILFLD	X	X	2	7	9

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 1 TROPICAL STORM KLAUS PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF KLAUS PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 2 PM AST FRI NOV 9 1984

CHANCES EXPRESSED IN PER CENT...TIMES AST

COASTAL LOCATIONS	THRU 2 PM WED	ADDITIONAL PROBABILITIES			TOTAL THRU 2 PM FRI
		2 PM WED THRU 2 AM THU	2 AM THU THRU 2 PM THU	2 PM THU THRU 2 PM FRI	
MKPL 138N 61W	X	X	1	1	2
MFFF 146N 61W	X	1	X	1	2
MKPR 153N 614W	X	1	1	2	4
MFFR 163N 615W	1	2	1	2	6
MKPA 171N 618W	N 2	3	2	2	9
MKPK 173N 627W	7	3	1	2	13
MACM 181N 631W	13	3	1	X	17
MDSD 185N 697W	2	3	2	2	9
MDCB 176N 714W	X	1	2	2	5
MTPP 186N 724W	X	1	1	2	4
MTCA 183N 738W	X	X	1	2	3
MUBM 200N 751W	X	X	X		
MDPP 198N 707W	X	2	2	3	7
MKJT 215N 712W	X	1	1	4	6
MYMM 224N 73W	X	X	1	2	3

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 2 TROPICAL STORM KLAUS PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF KLAUS PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 12 AM ST SAT NOV 10 1984

CHANCES EXPRESSED IN PER CENT...TIMES AST

COASTAL LOCATIONS	ADDITIONAL PROBABILITIES						TOTAL THRU 12 AM SAT
	THRU 12 AM THU	12 AM THU	12 PM THU	12 PM THU	12 AM FRI	12 AM SAT	
		THRU 12 PM THU	THRU 12 AM FRI	THRU 12 AM SAT	THRU 12 AM SAT	THRU 12 AM SAT	
MFFF 146N 610W	X	1	X	1		2	
MKPR 153N 614W	1	1	X	1		3	
MFFR 163N 615W	2	2	1			6	
MKPA 171N 618W	4	3	2		1	10	
MKPK 173N 627W	10	3	1		X	14	
MACM 181N 631W	18	2	X		X	20	
MDSD 185N 697W	1	2	2		2	7	
MDCB 176N 714W	X	1	1		2	4	
MTPP 186N 724W	X	1	X		2	3	
MTCA 183N 738W	X	X	1			2	
MUGM 220N 751W	X	X	X		2	2	
MDPP 198N 707W	X	1	2		3	6	
MKJT 215N 712W	X	1	1		3	5	
MYMM 224N 730W	X	X	1		2	3	
MYSM 241N 745W	X	X	X		2	2	

X MEANS LESS THAN ONE PERCENT

NNNN

ADVISORY NUMBER 11 HURRICANE LILI PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF LILI PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 12 AM AST WED DEC 26 1984

CHANCES EXPRESSED IN PER CENT...TIMES AST

COASTAL LOCATIONS	ADDITIONAL PROBABILITIES					TOTAL THRU 12 AM WED
	THRU 12 AM MON	12 AM MON THRU 12 PM MON	12 PM MON THRU 12 AM TUE	12 AM TUE THRU 12 AM WED		
MCPG 125N 717W	X	X	X	2	2	
MKPK 173N 627W	1	2	X	1	4	
MACH 181N 631W	9	2	1	X	12	
MISX 177N 648W	7	6	X	1	14	
MIST 183N 650W	15	5	X	X	20	
MJPS 180N 666W	5	12	X	1	18	
MDSD 185N 697W	X	11	3	2	16	
MDCB 176N 714W	X	3	6	3	12	
MTPP 186N 724W	X	2	7	4	13	
MTCA 183N 738W	X	X	6	5	11	
MKJP 179N 768W	X	X	1	7	8	
MKJS 185N 779W	X	X	1	6	7	
MKCG 193N 814W	X	X	X	4	4	
MUGM 200N 751W	X	X	3	7	10	
MUCM 214N 779W	X	X	X	7	7	
MUCF 221N 805W	X	X	X	4	4	
MUSN 216N 826W	X	X	X	2	2	
MUHA 230N 824W	X	X	X	2	2	
MNPC 141N 834W	X	X	X	2	2	
MJSJ 184N 661W	11	9	1	X	21	
MDPP 198N 707W	X	8	5	3	16	

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ADVISORY NUMBER 12 HURRICANE LILI PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF LILI PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 12 AM AST WED DEC 26 1984

CHANCES EXPRESSED IN PER CENT...TIMES AST

COASTAL LOCATIONS	ADDITIONAL PROBABILITIES					TOTAL THRU 12 AM WED
	THRU 12 AM MON	12 AM MON	12 PM MON	12 AM TUE	12 AM TUE	
		THRU 12 PM MON	THRU 12 AM TUE	THRU 12 AM WED	THRU 12 AM WED	
MCPG 125N 717W	X	X	X	2	2	
MKPK 173N 627W	1	2	X	1	4	
MACM 181N 631W	9	2	1	X	12	
MISX 177N 648W	7	6	X	1	14	
MIST 183N 650W	15	5	X	X	20	
MJPS 180N 666W	5	12	X	1	18	
MDSD 185N 697W	X	11	3	2	16	
MDCB 176N 714W	X	3	6	3	12	
MTPP 186N 724W	X	2	7	4	13	
MTCA 183N 738W	X	X	6	5	11	
MKJP 179N 768W	X	X	1	7	8	
MKJS 185N 779W	X	X	1	6	7	
MKCG 193N 814W	X	X	X	4	4	
MUGM 200N 751W	X	X	3	7	10	
MUCM 214N 779W	X	X	X	7	7	
MUCF 221N 805W	X	X	X	4	4	
MUSN 216N 826W	X	X	X	2	2	
MUHA 230N 824W	X	X	X	2	2	
MNPC 141N 834W	X	X	X	2	2	
MJSJ 184N 661W	11	9	1	X	21	
MDPP 198N 707W	X	8	5	3	16	

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ADVISORY NUMBER 13 HURRICANE LILI PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF LILI PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 6 AM ST WED DEC 26 1984

CHANCES EXPRESSED IN PER CENT...TIMES ST

COASTAL LOCATIONS	THRU 6 AM MON	ADDITIONAL PROBABILITIES			TOTAL THRU 6 AM WED
		6 AM MON	6 PM MON	6 AM TUE	
		THRU 6 PM MON	THRU 6 AM TUE	THRU 6 AM WED	
MCPG 125N 717W	X	X	1	2	3
MKPA 171N 618W	6	X	X	1	7
MKPK 173N 627W	15	1	X	X	16
MACM 181N 631W	40	X	X	X	40
MISX 177N 648W	28	X	X	X	28
MIST 183N 650W	37	X	X	X	37
MJPS 180N 666W	18	7	X	X	25
MDSO 185N 697W	1	15	2	1	19
MDCB 176N 714W	X	7	6	2	15
MTPP 186N 724W	X	4	8	3	15
MTCA 183N 738W	X	1	8	4	13
MKJP 179N 768W	X	X	3	7	10
MKJS 185N 779W	X	X	2	7	9
MKCG 193N 814W	X	X	X	5	5
MUGM 200N 751W	X	X	6	6	12
MUCM 214N 779W	X	X	1	7	8
MUCF 221N 805W	X	X	X	5	5
MUSN 216N 826W	X	X	X	3	3
MUHA 230N 824W	X	X	X	3	3
MUAN 219N 850W	X	X	X	2	2
MHNJ 165N 859W	X	X	X	2	2
MNPC 141N 834W	X	X	X	3	3
MNBL 120N 839W	X	X	X	2	2
MCSP 126N 817W	X	X	X	3	3
MJSJ 184N 661W	29	2	X	X	31
MDPP 198N 707W	X	11	5	1	17
MKJT 215N 712W	X	5	6	3	14
MYMM 224N 730W	X	1	5	5	11
MYSM 241N 745W	X	X	1	6	7
MYEG 235N 758W	X	X	1	6	7
MYAK 241N 776W	X	X	X	5	5
MYNN 251N 775W	X	X	X	4	4
MYGF 266N 787W	X	X	X	2	2
ST CROIX VI	28	X	X	X	28
ST THOMAS VI	37	X	X	X	37
SAN JUAN PR	29	2	X	X	31
PONCE PR	18	7	X	X	25
MARATHON FL	X	X	X	2	2
MIAMI FL	X	X	X	2	2
KEY WEST FL	X	X	X	2	2

X MEANS LESS THAN ONE PERCENT

ADVISORY NUMBER 14 HURRICANE LILI PROBABILITIES
 FOR GUIDANCE IN HURRICANE PROTECTION PLANNING
 BY GOVERNMENT AND DISASTER OFFICIALS

CHANCES OF CENTER OF LILI PASSING WITHIN 65 MILES OF
 LISTED LOCATIONS THROUGH 8 AM AST WED DEC 26 1984

COASTAL LOCATIONS	CHANCES EXPRESSED IN PER CENT...TIMES AST					TOTAL THRU 8 AM WED
	THRU 8 AM MON	8 AM MON THRU 8 PM MON	8 PM MON THRU 8 AM TUE	8 AM TUE THRU 8 AM WED		
MDSO 185N 697W	1	X	X	X		1
MDPP 198N 707W	4	X	X	X		4
MKJT 215N 712W	9	X	X	X		9
MYMM 224N 730W	1	X	X	X		

X MEANS LESS THAN ONE PERCENT