19980928I_FDR

HURRICANE GEORGES (LANDFALL, MCF - MCF)

Flight 6 980928I N43RF

DATA TYPE	SENSOR or OPTION
INE	2
Accelerometer	1
Temperature Probe	1
Altitude (for vertical wind)	RA APN-159
Static Pressure	Fuselage
Dynamic Pressure	Fuselage
Dewpoint Probe	1

Notes:

Aircraft INE #2 positions were renavigated with respect to GPS.

APN-159 radar altimeter spikes before take off and after landing were removed and patched with APN-232 altitudes.

SPECIAL NOTE!!! Locations 80, 81 and 82 of record five on the standard tape contain vertical ground, vertical air and vertical wind speeds, respectively, derived from Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

	Takeoff	Landing
Aircraft static pressure	1012.4 mb	1012.9 mb
Corrected tower pressure	1013.0 mb	1013.9 mb

Flight Director: Jack Parrish, (813) 828-3310 ext. 3077

HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: GEORGES

Prepared by the Hurricane Research Division at 12:05:49 PM on 09/27/98.
File: georges980928i.ftrk

Aircraft: N43RF Altitude: FL 70-140 Proposed takeoff: 28/0900Z

DROP LOCATIONS

#	LAT	LON	TIME
1	28 30	84 30	0:33
2	28 48	86 00	0:50
3	29 42	85 24	1:03
4	30 12	86 00	1:12
5	30 12	87 00	1:23
6	30 18	88 06	1:35
7	30 06	88 48	1:42
8	30 12	90 00	1:55
9S	28 49	88 41	2:35
10	29 12	88 18	2:42
11S	28 49	90 43	3:14
12	28 30	91 00	3:19
13	30 18	88 06	3:58
14	30 06	88 48	4:06
15	30 36	85 54	5:10
16	30 18	88 06	5:34
17	30 12	90 12	5:57
18S	28 31	88 21	6:26
19S	29 42	88 16	6:40
20S	28 27	89 42	7:33

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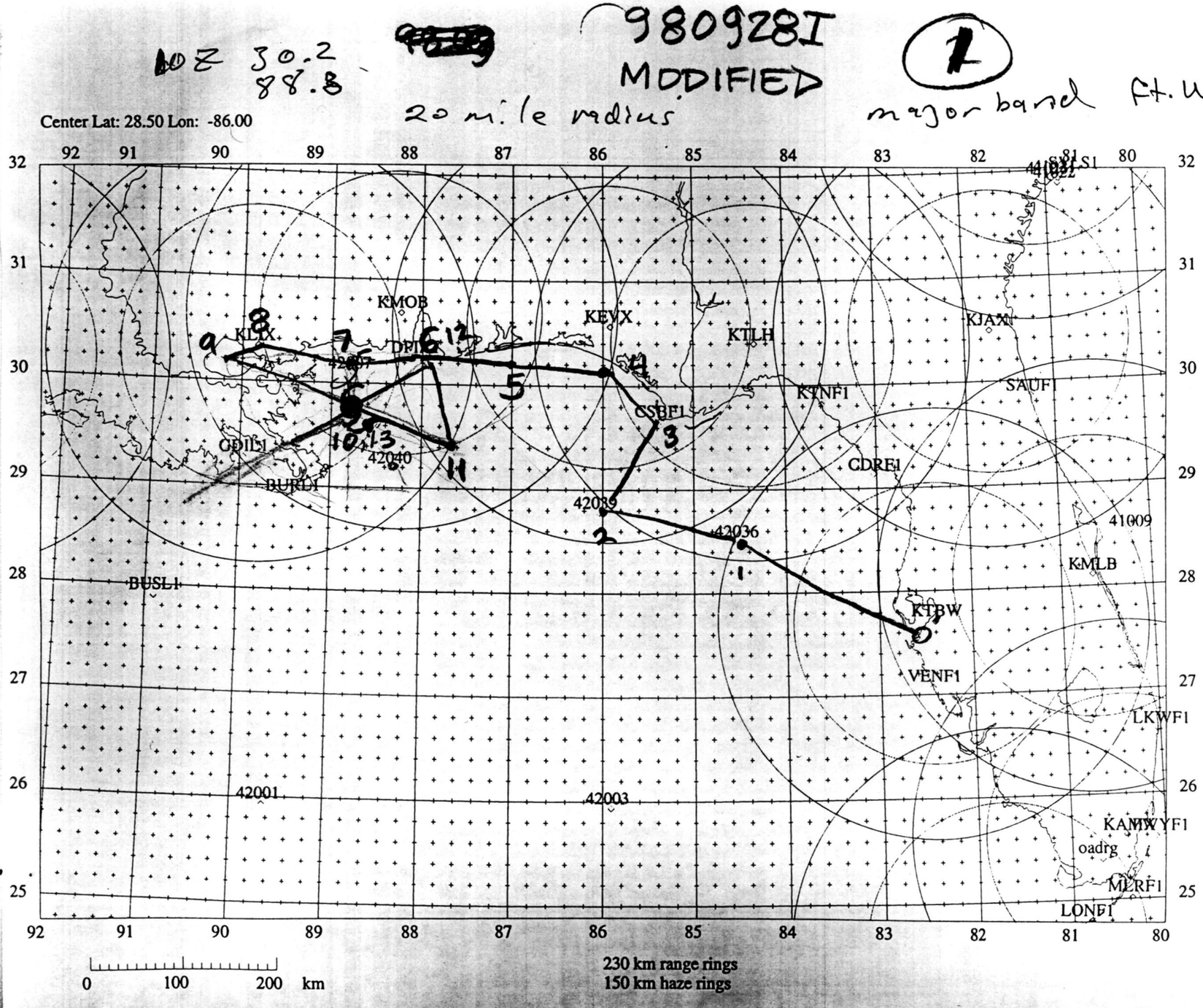
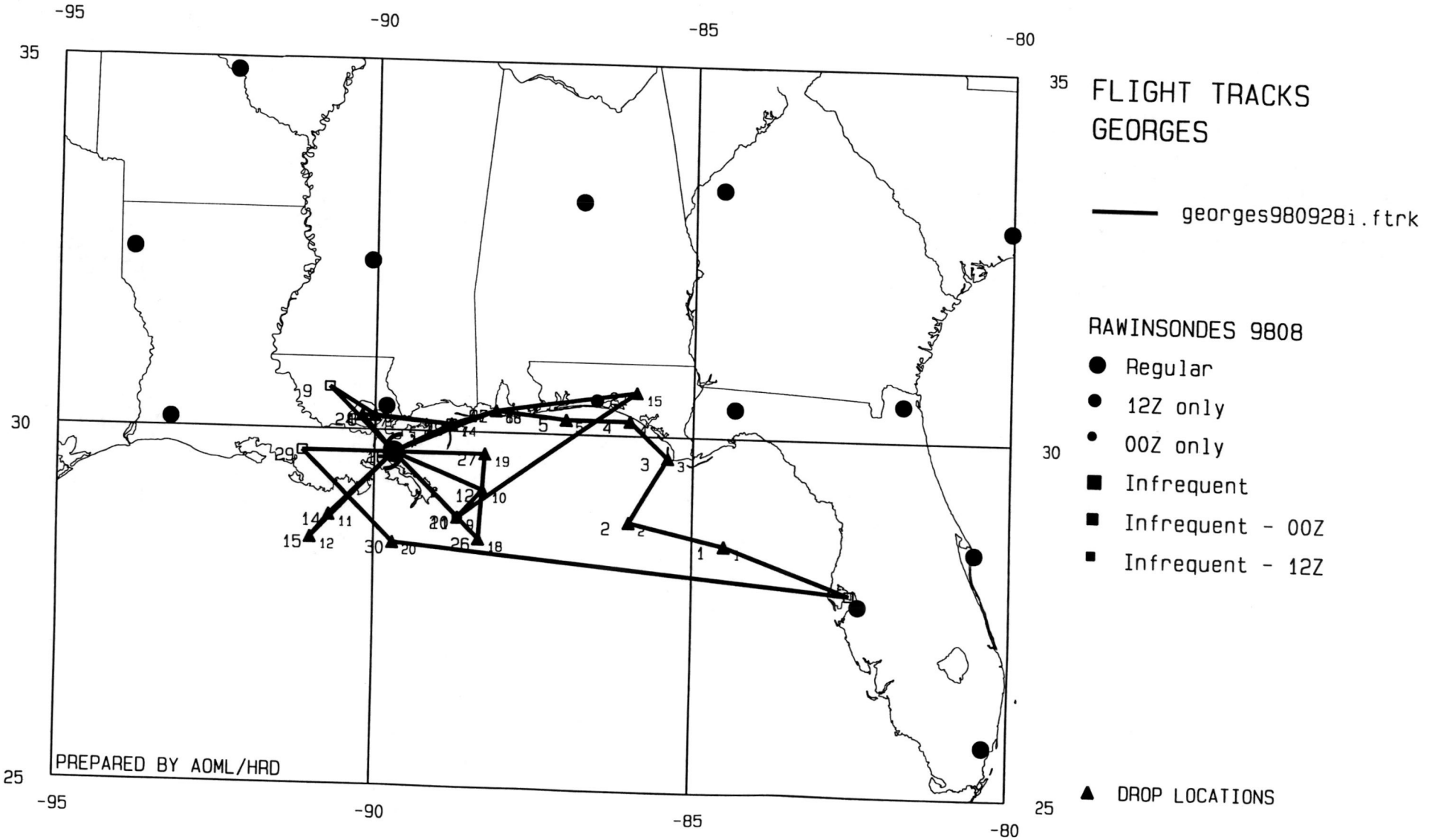

9809281
MODIFIED
1
20 mile radius
major band ft. Walton
Center Lat: 28.50 Lon: -86.00
KMOB
KEVX
KJAX
KTLH
KLIX
DPIA
CSBF1
KTNF1
SAUF1
GDIL1
BURL1
42040
42039
42036
CDRF1
41009
KMLB
BUSL1
KTBW
VENF1
LKWF1
42001
42003
KAMY
oadrg
MLRF1
LONF1
0
100
200
km
230 km range rings
150 km haze rings

?

NOAA 43 Tak. 98 28/09Z



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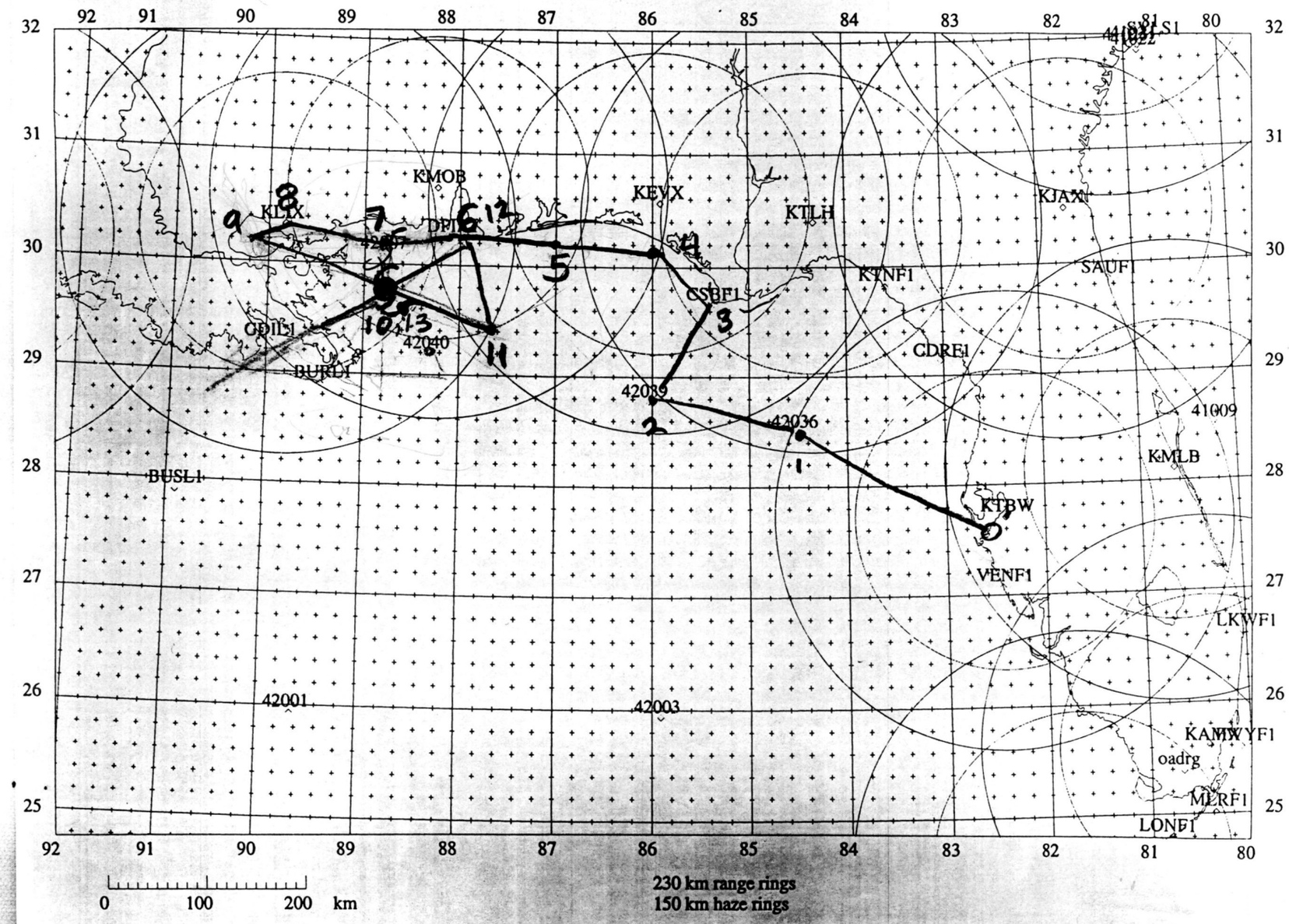
TRACK DISTANCE TABLE (nm)

#	LAT	LON	LEG	TOTAL	TIME
0	MACDILL		0.	0.	0:00
1	28 30	84 30	112.	112.	0:33
2	28 48	86 00	81.	193.	0:50
3	29 42	85 24	63.	256.	1:03
4	30 12	86 00	43.	299.	1:12
5	30 12	87 00	52.	351.	1:23
6	30 18	88 06	57.	408.	1:35
7	30 06	88 48	38.	447.	1:42
8	30 12	90 00	63.	509.	1:55
9S	30 35	90 43	44.	553.	2:04
10S	29 42	89 42	75.	628.	2:20
11S	28 49	88 41	75.	703.	2:35
12	29 12	88 18	31.	734.	2:42
13S	29 42	89 42	79.	813.	2:58
14S	28 49	90 43	75.	888.	3:14
15	28 30	91 00	24.	912.	3:19
16S	29 42	89 42	99.	1012.	3:39
17	30 18	88 06	91.	1103.	3:58
18	30 06	88 48	38.	1141.	4:06
19S	29 42	89 42	53.	1194.	4:17
20S	28 49	88 41	75.	1269.	4:32
21	30 36	85 54	181.	1449.	5:10
22	30 18	88 06	115.	1565.	5:34
23	30 06	88 48	38.	1603.	5:42
24	30 12	90 12	73.	1676.	5:57
25S	29 42	89 42	40.	1716.	6:05
26S	28 31	88 21	100.	1816.	6:26
27S	29 42	88 16	71.	1887.	6:40
28S	29 42	89 42	75.	1962.	6:56
29S	29 42	91 08	75.	2037.	7:11
30S	28 27	89 42	106.	2143.	7:33
31	MACDILL		382.	2525.	9:02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41009
KMLB
BUSL1
KTBW
VENF1
LKWF1
42001
42003
KAMW YF1
oadrg
MLRF1
LONF1
230 km range rings
150 km haze rings
0
100
200
km

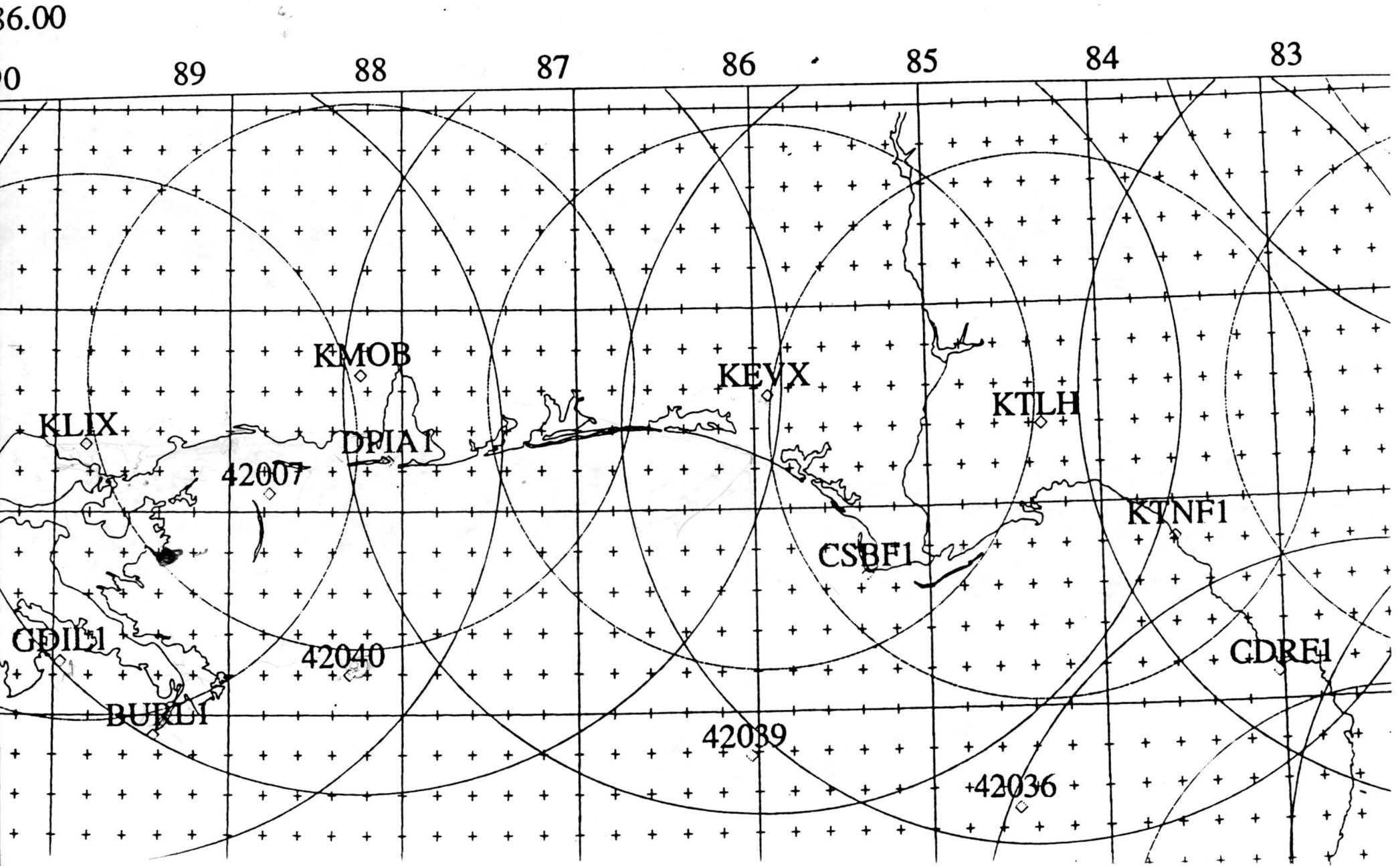
Radar
On

100220

Location	Latitude (°)	Longitude (°)
UAH Profiler	30.49037	-89.10155
Lynaun ~12 mi N of Gulfport airport RT 49 15 miles North		
DOW1	30.41500	-89.07667
Kessler AFB		
DOW2	30.40733	-88.92933
Gulfport regional airport		
TTU Tower	30.41330	-89.06944
Kessler AFB		
Clemson Tower	30.28567	-89.74400
Slidell airport		
OU Tower	30.21700	-89.78522
Slidell NWS		

NOAA-42 0503 29.6° 88.6° 960mb dropsonde
0528 29° 44" 88° 40"
0543 29° 46" 88° 40"

1240 TCM


86.00
90
89
88
87
86
85
84
83
KMOB
KEVX
KTLH
KLIX
DPIA1
42007
KTNF1
CSBF1
GDIL1
42040
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Location	Latitude (°)	Longitude (°)
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Slidell NWS		

NOAA42 0503 29.6° 88.6° 960 mb dropsonde
0528 29° 44" 88° 40"
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ZCZC MIATCDAT2
TTAA00 KNHC 280229
HURRICANE GEORGES DISCUSSION NUMBER 51
NATIONAL WEATHER SERVICE MIAMI FL
11 PM EDT SUN SEP 27 1998

THE MOTION HAS BEEN ERRATIC...BUT THE PAST 12 HOUR MOTION AVERAGES OUT TO 335/06 AND THE 6 HOUR MOTION IS ONLY 4 KNOTS. THE TRACK MODEL GUIDANCE...AGAIN...HAS NOT CHANGED MUCH...AND SHOWS THE HURRICANE TRAPPED BETWEEN HIGH PRESSURE CELLS TO THE EAST AND WEST. THE UKMET...GFDL...AND LBAR...ALL SHOW VERY SLOW MOTION THROUGH 72 HOURS. FOR THE FIRST 24 HOURS...THE OFFICIAL TRACK FORECAST IS ADJUSTED TO THE RIGHT OF THE PREVIOUS ADVISORY BECAUSE OF THE INITIAL MOTION AND IS THEN SLOWED DOWN EVEN MORE THAN THE PREVIOUS ADVISORY. THE GFDL MODEL SHOWS A TURN TOWARD THE WEST THROUGH 48 HOURS AND THEN A TURN TOWARD THE NORTH...BUT VERY SLOW AVERAGING ABOUT 3 KNOTS. SO AT 24 HOURS...THE OFFICIAL TRACK SHOWS A PARTIAL LEFT TURN OUT OF RESPECT FOR THE GFDL MODEL.

IN ANY CASE...THE SLOW MOTION ALLOWS FOR LOTS OF RAIN...THE GFDL MODEL SHOWS A MAX OF 62 INCHES OVER EASTERN LOUISIANA. THIS IS PROBABLY EXCESSIVE...BUT IS INDICATIVE OF THE POTENTIAL FOR SERIOUS FRESH WATER FLOODING. COMBINE THIS WITH STRONG ONSHORE WINDS PILING UP THE GULF WATERS ALONG THE COAST. WE ARE TALKING SERIOUS FLOOD POTENTIAL.

THE WIND SPEED IS DECREASED 5 KNOTS TO 90 KNOTS BASED ON HRD WIND FIELD ANALYSES...EVEN THOUGH THE CENTRAL PRESSURE REMAINS AT 961 MB. SLOW WEAKENING IS FORECAST AFTER THE CENTER MOVES OVER LAND.

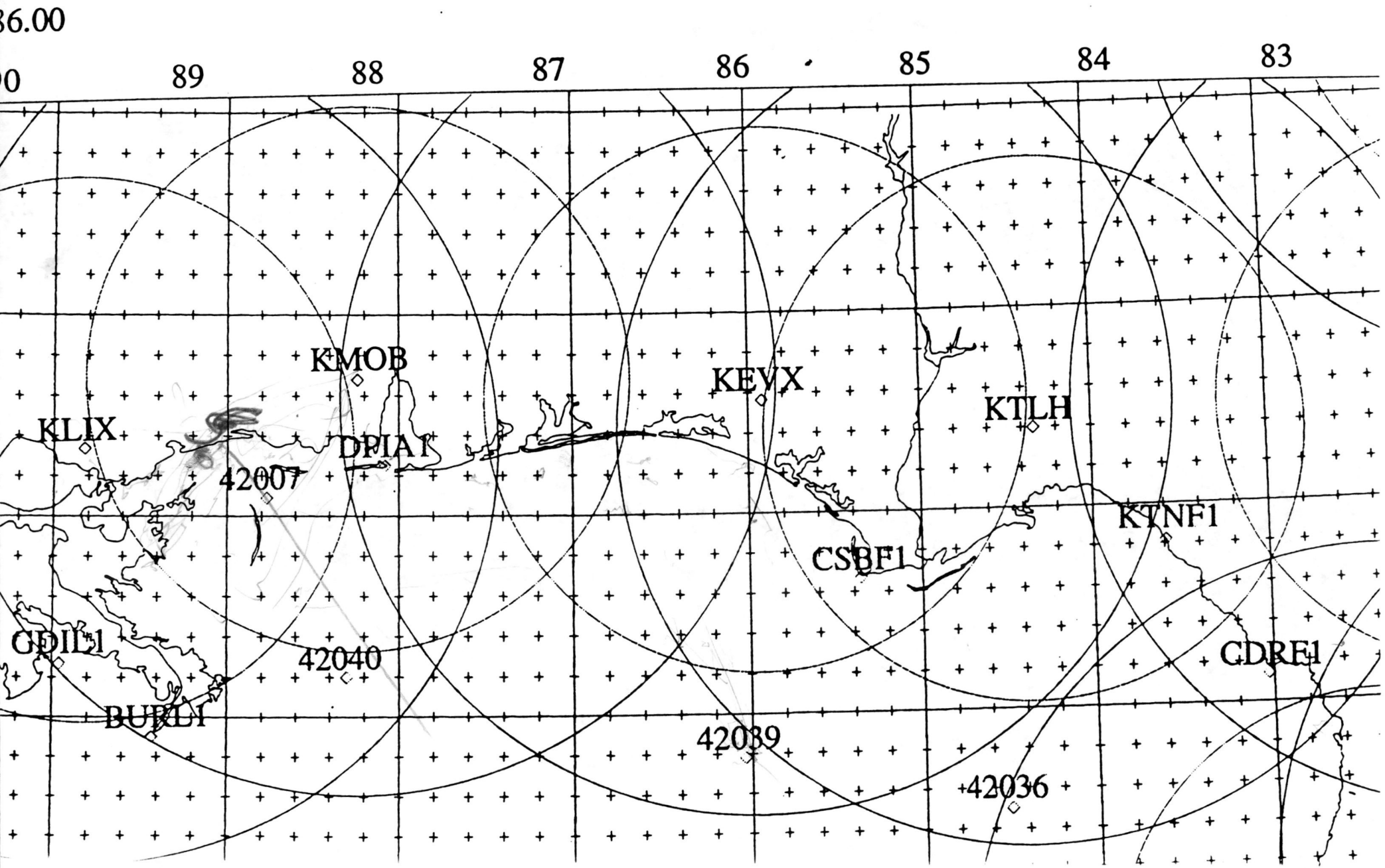
LAWRENCE

FORECAST POSITIONS AND MAX WINDS 10Z est. 30.2 88.8

INITIAL	28/0300Z	29.5N	88.6W	90 KTS 20 mile radius wind
12HR VT	28/1200Z	29.9N	88.9W	90 KTS
24HR VT	29/0000Z	30.3N	89.2W	80 KTS...INLAND
36HR VT	29/1200Z	30.5N	89.6W	65 KTS...INLAND
48HR VT	30/0000Z	30.8N	89.6W	45 KTS...INLAND
72HR VT	01/0000Z	31.5N	89.5W	35 KTS...INLAND

NNNN major rainband Ft. Walton Beach area

AF
Teal 023 1030Z, 1145Z center


86.00
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